

The Redstone Rocket

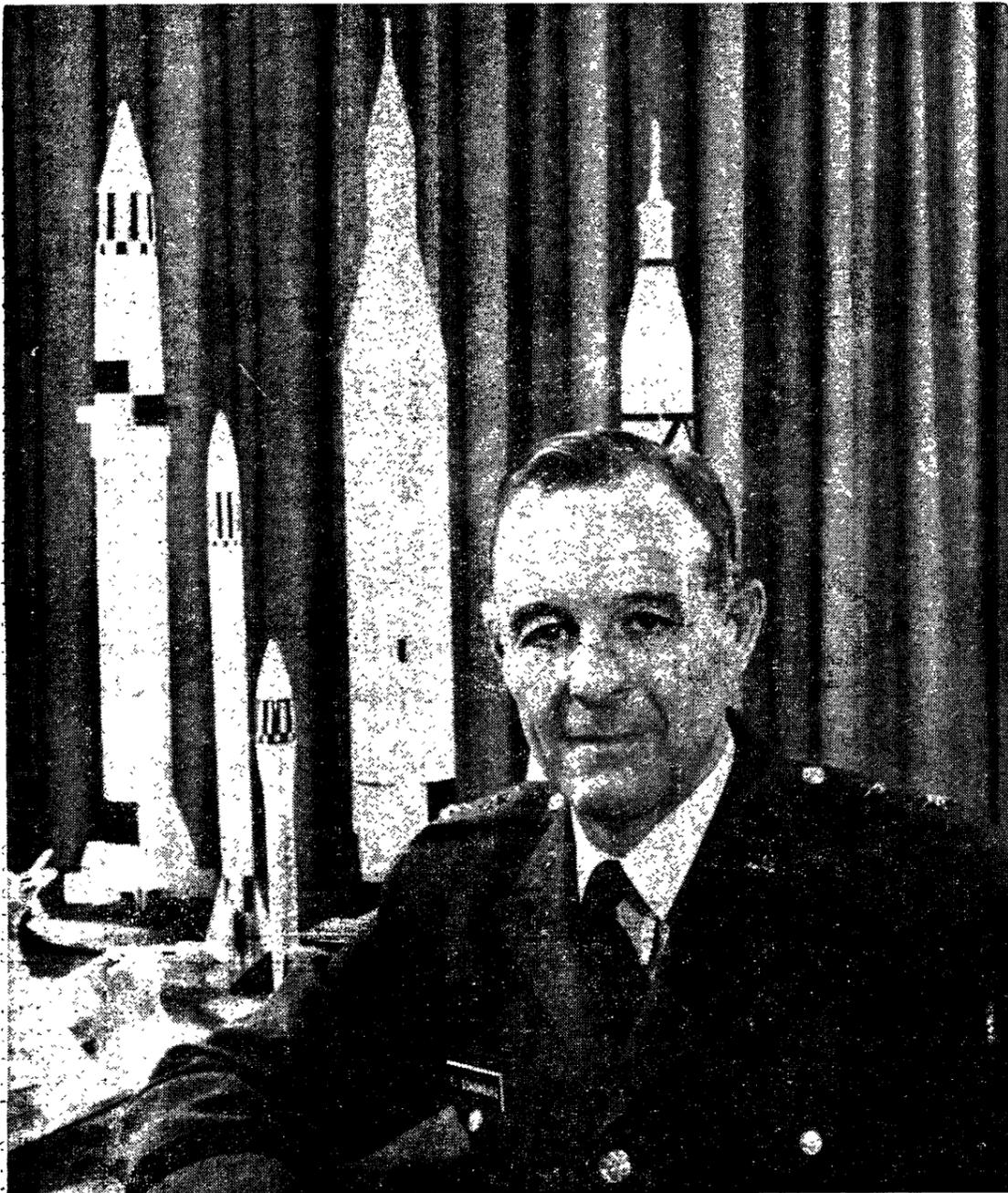
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FEBRUARY 3, 1960

Gen. Schomburg Assumes Command of AOMC



COMMANDING GENERAL, AOMC—Maj. Gen. August Schomburg became Commanding General of the U. S. Army Ordnance Missile Command on Feb. 1. Gen. Schomburg is pictured above with models of Army missiles developed by AOMC. (Photo by 1st Lt. Cecil Stoughton).

General Outlines Plans For AOMC in Statement

Gen. Barclay Will Continue to Fill Two Assignments

Brig. Gen. J. A. Barclay will continue to fill two important assignments in the Army Ordnance Missile Command, it was announced today by Major General August Schomburg, Commanding General.

Gen. Barclay will be Deputy to General Schomburg in AOMC. The Command includes Redstone Arsenal, the Army Rocket and Guided Missile Agency, White Sands Missile Range, and the Army Ballistic Missile Agency.

Additionally, Gen. Barclay continues as the Commander, ABMA, a post he has held since March 31, 1958.

Gen. Barclay has been serving as the Deputy in AOMC for several months.

ARMY MISSILES CONTINUE TO BE BIG BUSINESS

Statement Touches Transfer of Some Elements to NASA

Maj. Gen. August Schomburg Monday, Feb. 1, succeeded to the command of the U. S. Army Ordnance Missile Command at Redstone Arsenal.

Gen. Schomburg was Deputy Chief of Ordnance prior to becoming Commanding General, AOMC. He received that appointment in May, 1958 after serving as the Chief of Research and Development in the office of the Chief of Ordnance.

The general, among other important posts he has held, was chief of the Procurement Branch, G-4, Logistics for the United States Army in Europe from 1953 until his assignment at OCO in 1956.

He served at Watertown Arsenal in Massachusetts as director of the Research, Development and Engineering from September, 1949 until July, 1952. He was transferred to the Industrial College of the Armed Forces, Ft. McNair, Washington, D. C., and graduated in June, 1953.

Gen. Schomburg also served on the War Department General Staff in G-3 (Plans and Training) from 1944 to 1946.

He was Assistant Military At- (See STATEMENT on Page 2)

WARS SOCIETY HONORS GEN. SCHOMBURG'S SON

First Lieutenant August Schomburg, Jr., the son of Maj. Gen. August Schomburg, Commanding General of the Army Ordnance Missile Command, has been selected as the First U. S. Army's Outstanding Lieutenant of the year.

Assigned to the 2nd Infantry Brigade at Fort Devens, Mass. Lt. Schomburg is well known in the New England area as the Commander of the crack, 2nd Brigade Drill Team. His team has won the acclaim of civic groups (See LT. SCHOMBURG, Page 2)



DISTINGUISHED SERVICE MEDAL—Maj. Gen. J. B. Medaris (center), retiring chief of the Army's missile and space programs, receives one of the nation's highest military honors—the Distinguished Service Medal, Oak Leaf Cluster. In the photo above, Secretary of the Army Wilber M. Brucker (right), pins DSC medal on Gen. Medaris, Commanding General of the Army Ordnance Missile Command, at a retirement review ceremony held at Redstone Arsenal in the general's honor. Looking on at left is Lt. Gen. John Hinrichs, Chief of Ordnance.

GENERAL MEDARIS RECEIVES TWO MILITARY MEDALS

Two of the nation's highest military honors were conferred upon Maj. Gen. J. B. Medaris, retiring chief of the Army's missile and space programs, Saturday.

At a retirement review ceremony held at Redstone Arsenal, Gen. Medaris received:

1. The Distinguished Service Medal, Oak Leaf Cluster, from Secretary of the Army Wilber M. Brucker. The citation attesting to General Medaris' superb leadership was read by Lieutenant General John Hinrichs, the Chief of Ordnance.

2. The Legion of Merit, Oak Leaf Cluster, presented by Major General Daniel Callahan, Mobile Air Materiel Command—one of the few times the U. S. Air Force has thus honored an Army officer in peace time.

The Air Force award was for development of the Jupiter IRBM Weapons System which is being deployed in Italy and Turkey.

The ceremony was held under cloudy skies before an audience of thousands of military and civilians.

Gen. Medaris has completed 37 years of active service dating back to World War I when he fought in France with the Marine Corps.

He retired on the second an- (See AWARDED 2 on Page 2)



LEGION OF MERIT—Maj. Gen. J. B. Medaris (left), retiring chief of the Army's missile and space programs, receives one of the nation's highest military honors Saturday . . . the Legion of Merit, Oak Leaf Cluster. In the photo above, Maj. Gen. Daniel Callahan, Mobile Air Materiel Command, presents Gen. Medaris with the Legion of Merit—one of the few times the U. S. Air Force has thus honored an Army officer in peacetime. The presentation was made at a retirement review ceremony held at Redstone Arsenal in General Medaris' honor.

The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday at no expense to the Government by Jack W. Hoffhaus, Hartselle, Alabama, with exclusive regard for the reader interests of personnel at Redstone Arsenal, Alabama, in accordance with an agreement between the publisher and the Public Information Office, Army Ordnance Missile Command, Redstone Arsenal, Alabama.

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STATEMENT

(Continued from Page 1)

tache at Ottawa, Canada, in the U. S. Embassy, and Liaison Officer with the Canadian Army for the following three years.

During the early years of his military career, Gen. Schomburg served in various Infantry assignments. He transferred to Ordnance in 1937 and attended the Massachusetts Institute of Technology to earn his master of science degree in mechanical engineering. The General also completed courses at the Ordnance School at Aberdeen Proving Ground, Md., and remained at the Proving Ground in various assignments until 1944.

Gen. Schomburg has been awarded the Legion of Merit with Oak Leaf Cluster and the Commendation Ribbon with Oak Leaf Cluster.

The following is the text of Gen. Schomburg's statement issued when he assumed command:

STATEMENT

This is an important day for me. I have succeeded to the command of the Army Ordnance Missile Command — the great military and civilian organization which is broadly responsible for the design, development, testing, procurement and support of weapons systems.

These rocket-powered systems contribute to the nation's defense

by enabling the Army to carry out its assigned missions in emergencies. They range from small, battlefield-type rockets supplementing or replacing conventional artillery to the giant ballistic missiles, or the oncoming anti-missile missile, Zeus, and the general field of space defense. I want to emphasize that this is a continuing responsibility and that it is in no way affected by the proposed realignment of outer space missions previously handled by my Command. We will, therefore, continue to employ approximately the same number of personnel on Redstone Arsenal as has been previously committed to weapons systems development, procurement and field support.

Now let me explain the proposed transfer. The President has recommended to the Congress, now in session, that the space vehicle team directed by Dr. Werner von Braun should be transferred from the management of the Army to that of the National Aeronautics and Space Administration. If Congress assents, the transfer will become effective sometime in March, 1960. By July 1st, 1960, approximately 4,800 civilian personnel now employed by the elements of my Command at Redstone will become part of the new NASA organization. This does not mean any dislocation.

They will stay right at the Arsenal, occupying most of the buildings in which they now work. They will continue the same programs in which they are now engaged for NASA. They will also be available to assist the Army when required.

The weapons programs on which they have also been working will be continued in the Ar-

my Ballistic Missile Agency. We plan to organize a new research and development element in that Agency as soon as possible. Some of the experienced missile people now working under Dr. von Braun's supervision will remain with the Army to prevent any interruption in our important defense work.

After the transfer is fully accomplished, I believe there will be some increase in total employment on the Arsenal. We will then have the NASA space vehicle organization operating there in addition to the present Army activities. Current employment is running at about the 17,800 mark — this includes Army contractors on the installation — and I see no reason to expect any decline. The level of Army spending for missiles this year will be about the same as that of last year.

Additionally, we have 3,920 military personnel on post. While few of them will remain with the NASA organization, we have requirements for all within the Army elements.

There is no reason whatsoever, therefore, for any worry about what might happen at Redstone. There is nothing on the horizon, so far as I am able to see, which justifies the slightest concern. On the contrary, I think the future is extremely bright.

The other major element of my Command, White Sands Missile Range, is located 1,000 miles west of Huntsville in New Mexico. Our planning calls for a slight increase in employment at the Range — where we do the vital evaluation testing of the missile systems developed by ABMA or the Army Rocket and Guided Missile Agency. We have some truly challenging assignments in the offing — the Nike Zeus is an outstanding example. The Army must not only continue to provide defense systems against aircraft and missiles but must explore the means for space defense.

I regard this task as the most challenging of my career — and I have been in the Army 39 years. I am proud to be associated with this great Ordnance - science - industry team, a team which has earned the respect of the country for its outstanding performance.

I know of the warm cooperation and the fine support which the good people of Tennessee, Georgia, Alabama and Mississippi have extended to the Missile Command. I know how much that has meant to my organization. I assure you that we will do everything we can to justify your respect, confidence and friendship. We are determined to keep the Army in the forefront of missile technology and to provide the combat arms with reliable and efficient weapons systems. We are going to make the best possible use of the resources entrusted to us. That is our solemn obligation and I can promise you we will not fail. Thank you.

AWARDED 2

(Continued from Page 1)

niversary of the launching of Explorer I, the nation's first earth satellite, for which he was responsible.

The Citations follow:

Distinguished Service Medal

The President of the United States of America, authorized by Act of Congress July 9, 1918, has awarded the Distinguished Service Medal (First Oak Leaf Cluster) to Maj. Gen. John B. Medaris, U. S. A., for exceptionally meritorious service in a duty of great responsibility:

Gen. Medaris distinguished himself by eminently meritorious conduct in the performance of outstanding services in positions of great responsibility to the Government during the period October 1957 to January 1960. As Commanding General of the Army Ballistic Missile Agency, and later of the United States Army Ordnance Missile Command, Gen. Medaris directed and guided the Army missile and space activities in a conspicuously superior manner. As a result of his dedicated efforts in the engineering and scientific fields related to guided missile development, many research and development objectives have been accomplished with distinction. His brilliant leadership in all phases of the Army missile program was at all times directed in the best interests of inspired service, and materially enhanced the "state of the art" in this vital area. The broad military knowledge, selfless application and untiring devotion to duty which Gen. Medaris constantly manifested in these scientific fields marked him as one of the nation's most outstanding authorities on these highly specialized pursuits. The many sound recommendations and valuable suggestions which he made for the advancement of national defense projects and programs resulted in the creation of the most comprehensive organization of its kind in the Free World. Gen. Medaris' energetic leadership and forceful direction led to the successful accomplishment of the first launching of a United States satellite (Explorer I), the first firing and recovery of a full-scale nose cone, the Juno lunar probe, the placing of Juno into orbit around the sun, and the first launching into outer space and return to earth of living animals. The warm spirit of cooperation and diplomacy which he displayed in frequent discussions of complex policy matters with Congressmen, Congressional Committees, high ranking officials of the Department of Defense and other Government agencies gained consistently superior results. His voluntary sacrifice of leisure time for presentations on lecture platforms, before television cameras, on radio and at press conferences, individual interviews with magazine writers,

and in personal statements developed excellent public relations which informed the public and created an intelligent understanding of the challenges, dangers and promises of the Space Age. General Medaris' distinguished performance of duty throughout this period represents outstanding achievements in the most cherished traditions of the United States Army, and reflects the utmost credit upon himself and the military service.

Legion of Merit

Citation accompanying award of Legion of Merit, Second Oak Leaf Cluster, by the U. S. Air Force to Maj. Gen. John Bruce Medaris.

Maj. Gen. John B. Medaris distinguished himself by exceptionally meritorious conduct in the performance of outstanding service to the United States from 1 February 1956 to 31 January 1960 as Commander, Army Ballistic Missile Agency and later as Commander, Army Ordnance Missile Command. During this period he demonstrated extraordinary leadership in promoting interservice cooperation of the highest order, as well as professional competence and dedicated effort in making highly significant contribution to the missile programs of the United States and the free world. Especially noteworthy was the primary role he played in the monumental development of the Jupiter weapons system adopted for deployment to selected North Atlantic Treaty Organizations. The selfless devotion to duty, resolute determination and singularly distinguished accomplishments of Gen. Medaris reflect the highest credit upon himself and the armed forces of the United States.

LT. SCHOMBURG

(Continued from Page 1)

in cities throughout the area. He was honored Jan. 27 by the Society of American Wars at the Society's annual dinner at the New York Athletic Club. The Society presented him with a wrist watch in recognition of his achievement.

Lt. Schomburg was selected by a board of senior First Army staff officers on the basis of his abilities of leadership, professional skill and knowledge, and his bearing and appearance.

A graduate of The Citadel, the military college at Charleston, S. C., Lt. Schomburg was commissioned a 2nd Lieutenant in June, 1958, and has since qualified in Ranger and Airborne training.

While training at the Army Airborne and Ranger School at Fort Benning, Ga., Lt. Schomburg met and married the former Brenda Huffine.

Lt. Schomburg received a First Army Certificate of Achievement, presented by Maj. Gen. J. F. R. Seitz, First Army Chief of Staff.

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GENERAL MEDARIS PRESENTS AWARDS

Thirty individuals were given awards by Maj. Gen. J. B. Medaris during the final days of his command at the Army Ordnance Missile Command.

The General recognized outstanding members of his staff with Commendation Ribbons and certificates of achievement.

Col. Glenn P. Elliott, a native of Huntsville received the Commendation Ribbon with Metal Pendant. Col. Elliott was cited for his "conspicuous contributions to high priority missile missions in his various assigned capacities. He has been chief of the Army Ordnance Missile Command's Pacific Field Office, Col. Elliott was the first man to command a Corporal guided missile battalion in Europe and was the commanding officer for the 217th Field Artillery Missile Battalion (Redstone) when it was organized.

Col. Calvin A. Heath received a Commendation Ribbon with Metal Pendant for the outstanding job he did while director of the Industrial Division, Army Ballistic Missile Agency. Col. Heath was cited for negotiations which led to the successful and timely deployment of the Redstone and readiness of the Jupiter missile ahead of schedule. He is presently assigned as chief of the AOMC Control Office.

Col. Thurston T. Paul, Jr., Deputy Commander of ABMA, was cited and presented the Commendation Ribbon for distinguishing himself as Director, Field Support Division, ABMA, and concurrently as Jupiter Project Officer, and as Chief, Jupiter Project Office. His citation was based on managerial ability, tact and dynamic leadership which was instrumental in fielding the Redstone and Jupiter Weapons systems.

Col. John G. Zierdt, now Deputy Commander of the Army Rocket and Guided Missile Agency, was awarded a Commendation Ribbon by Gen. Medaris for his work while he was the General's Chief of Staff at the Army Ordnance Missile Command. He was cited for coping with matters of the most complex nature with congressional committees and high ranking officials of the Departments of the Army and Defense and other Government Agencies in a superb manner.

Col. O. T. McCloskey, commander of Redstone Arsenal, was awarded a Commendation Ribbon with Metal Pendant by General Medaris for the manner in which he conducted support activities to the Command.

Others who received Commendation Ribbons from Gen. Meda-



LAST OFFICIAL SIGNATURE—Maj. Gen. J. B. Medaris, who retired from the Army Saturday, Jan. 30, was photographed as he performed his last official act of signing an Army document. He fixed the date for the launching of the first Pershing Ballistic Missile at Cape Canaveral in a message to the Army Ballistic Missile Committee. Pershing is the Army's newest mid-range surface to surface weapon. General Medaris commanded the U. S. Army Ordnance Missile Command.

ris include: Lt. Col. Glenn Crane, Lt. Col. Erwin M. Graham, Jr., Lt. Col. Lewis M. Anderson, Lt. Col. Henry R. Del Mar, Lt. Col. Nils Bengtson, and Lt. Col. James N. Jean; Maj. Lawrence W. Sheeran;

Maj. O. E. Adamson, Capt. W. A. Brooks, Capt. W. E. Kasper, Lt. Robert Morrow, M/Sgt. Robert F. Jackson, SFS. Melvin C. Collins, SPC. Leo S. Boron, SP/5 Robert L. Keller.

Certificates of Achievement were awarded Capt. Matt Wagner, Robert F. Mello, Yewell Lybrand, Theodore N. Hardeman, Francis J. Buckley, Gordon L. Harris, Carl E. Duckett, Lewis L. Aycock, Robert Cuthill and Miss Louise M. Parker.

Out-of-Town Guests Attend Open House

Two hundred out-of-town guests attended Redstone Arsenal's Open House Saturday.

The day-long program had the dual purpose of honoring Maj. Gen. J. B. Medaris, who retired as Commanding General of the Army Ordnance Missile Command, and observed the fourth anniversary of the establishment of the Army Ballistic Missile Agency at Huntsville, Ala.

Among those present were Secretary of the Army Wilbur Brucker; W. M. Holaday, Special Assistant to the Secretary of Defense; Lt. Gen. A. G. Trudeau, Army Chief of Research and Development; Lt. Gen. John H. Hinrichs, Army Chief of Ordnance, and Roy Johnson, the former Director of the Advanced Research Projects Agency.

Also attending the celebration were Maj. Gen. William Quinn, Army Chief of Information; Maj. Gen. Lewis V. Hightower, Office of the Secretary of Defense; Maj. Gen. Russell L. Vittrup, Chief of Army Legislative Liaison; Maj. Gen. Nelson M. Lynde, Army Assistant Chief of Ordnance; Maj. Gen. William K. Ghormley, Commanding General of Picatinny Arsenal, Dover, N. J., and Maj. Gen. Richard D. Meyer, Office, Chief of Transportation.

The Army was represented by Maj. Gen. A. T. McNamara, Office of the Quartermaster General; Maj. Gen. Dwight E. Beach, Commanding General, Fort Bragg, N. C.; Maj. Gen. C. F. Born (Ret.), Lone Star Post of the American Ordnance Association, Dallas, Tex.; Maj. Gen. William W. Dick, Jr., Office of the Chief of Research and Development; and Maj. Gen. C. H. Clarke, Fort Jackson, S.C.

Air Force visitors included, Maj. Gen. O. V. Ritland, Commanding General of the Air Force Ballistic Missile Division, and Maj. Gen. D. N. Yates, Commanding General of Patrick Air Force Base, Fla.

A ranking civilian contingent included a party from the Jet Propulsion Laboratory, Pasadena, Calif., led by Dr. W. H. Pickering, Director of JPL, and J. E. Froehlich, Tom F. Morrow, vice president of Chrysler's Defense

Prospective Bidders On Saturn Second Stage Meet at AOMC

Thirty-six industrial firms were represented here last week at a conference of prospective bidders on the second stage of the Saturn heavy space vehicle.

The meeting was held Tuesday and Wednesday by the Army Ballistic Missile Agency. ABMA is conducting the Saturn program for the National Aeronautics and Space Administration.

The companies attending received instructions upon which to base their bids for the second stage rocket.

Firms represented were: Bell Aircraft, Bendix Aviation, Boeing Airplane, Chance Vought Aircraft, Chrysler Corp. Missile Di-

vision, Convair Division of General Dynamics, Douglas Aircraft, Avco, Firestone Tire and Rubber, General Electric, Lockheed Aircraft, Martin Co., McDonnell Aircraft, North American Aviation, Northrop Aircraft, Raytheon, Sperry-Rand, United Aircraft, Beech Aircraft, Brown Engineering Co., Garrett Corp.,

And Minneapolis - Honeywell, Reynolds Metals Co., Allison Division of General Motors, Hickock Electrical Instrument Co., Pratt-Whitney Aircraft, Goodyear, Grumman Aircraft, General Precision, Inc., Aeronutronics Division of Ford Motor, American Machine and Foundry, Acme Scientific Co., Hayes Aircraft, Walter Kidde, Linde Co., and Fairchild Engine and Aircraft Co.

Products Division, was accompanied by Chrysler Missile Division heads, I. V. Minett and A. W. Brady.

Other generals attending the Open House and retirement ceremonies included Brig. Gen. and Mrs. C. D. Clifton, Deputy Chief of Information; Brig. Gen. John W. Cave, Assistant Chief of Ordnance, and Brig. Gen. and Mrs. Joseph M. Colby (Ret.), representing the Rockwell Corporation, Pittsburgh, Pa.

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Social News



GOING AWAY—Maj. Gen. and Mrs. John B. Medaris (ret.) leave the Goddard House for the airport Sunday. Gen. and Mrs. Medaris lived at the Goddard House during the days immediately preceding his retirement as Commanding General of the Army Ordnance Missile Command. The Medarises are vacationing in Florida.

Art Group Again Meets Weekly At Officers Club

The art group of the Redstone Arsenal Officers Wives Club is meeting weekly on Tuesday mornings from 9 to 12 at the Officers Club. All members of the Wives Club who are interested in participating are invited to attend.

At one meeting each month Mrs. Louise Marsh, Art Coordinator of the Huntsville School System, meets with the group to assist with the art work.

For more information concerning this activity, call the art chairman, Mrs. Charles Yates, JE 6-4725.

Winners at Party Bridge Are Named

Seven tables of party bridge were played Monday night, Jan. 25, at the Officers Club with the following results:

Women: first, Mrs. Robert Kirk; second, Mrs. James McCabe.

Men: first, Pat Smith; second,

MRS. SCHOMBURG TO BE HONORED BY WIVES CLUB

The Redstone Arsenal Officers Wives Club will hold a brunch on Tuesday, Feb. 9, to welcome Mrs. August Schomburg, wife of Maj. Gen. Schomburg, newly assigned Commanding General of the Army Ordnance Missile Command.

The event will be held at the Officers Club from 10:30 a.m. until noon.

Reservations must be made not later than noon, Friday, Feb. 5, with (on post) Mrs. J. G. Stanley, ext. 5-7940, Mrs. J. B. Levas, ext. 5-7557; (off post) Mrs. E. E. Joungerman JE 6-9420; or Mrs. R. E. Neunlist, JE 4-4467.

Cancellations will be accepted until noon, Monday, Feb. 8, by Mrs. R. L. Crossman, ext. 5-7563. Nursery reservations can be made by calling ext. 5-8745.

Capt. James McCabe.

Reservations to participate in Monday night party bridge played at the Officers Club beginning at 7:30 p.m. should be made not later than Saturday noon with Mrs. John Severeid, Ext. 5-7841.



RECEIVES GIFT FROM VOLUNTEERS—Left to right, Mrs. James N. Jean presents a piece of airplane luggage to Miss Corrie Knight, former American Red Cross field director for Redstone Arsenal, as Mrs. Henry D. Arrott and Mrs. David Robinson look on. The luggage was a farewell token to Miss Knight from the Arsenal Red Cross volunteers and was presented during a farewell coffee held by the group on Monday, Jan. 25.

VOLUNTEERS HONOR MISS KNIGHT WITH FAREWELL COFFEE AT CLUB

The Redstone Arsenal Red Cross volunteers held a farewell coffee Monday morning Feb. 25, in honor of Miss Corrie Knight, American Red Cross director at Redstone, who will leave shortly for a post at Hunter Air Force Base, Savannah, Ga.

During the event Miss Knight was presented with a piece of airplane luggage as a farewell token from the group.

Fifty ladies attended the coffee which took place in the Redstone Room at the Officers Club. Mrs. Henry D. Arrott, chairman of the Red Cross volunteers at Redstone Arsenal, was chairman for the

event. She was assisted by Mrs. Andrew Garrabrant, co-chairman for volunteers; Mrs. David Robinson, Gray Ladies chairman; Mrs. Frederick Cressy, Gray Ladies co-chairman; Mrs. Nelson Jean, in charge of the Bloodmobile; and Mrs. Allen Macey, in charge of hospital recreation.

Mrs. Kinch Wins At Party Bridge

The party bridge group of the Redstone Arsenal Officers Wives Club met Thursday with three tables in play.

Mrs. R. S. Kinch was high, and

DROP-SPLITTER
EL PASO, Tex., (ANS) — Pharmacist SFC Karl Mittwedde at the William Beaumont Army Hospital thought he'd heard them all when a lady asked for green stamps after he'd filled her prescription — then a doctor prescribed a "half-drop" of a certain medicine. The sergeant was equal to the occasion — he asked the doctor for the loan of his drop-splitter!

Mrs. F. G. Hogg placed second. All members of the Wives Club are invited to participate in party bridge played weekly on Thursday from 10 a.m. until 2 p.m. at the Officers Club. Reservations should be made by Wednesday noon with Mrs. R. S. Macey, JE 9-2531.



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NEW COMERS—Mrs. John R. Harris (left) and Mrs. Benjamin Albert (right) discuss sewing group activities with Mrs. James MacDonnell sewing chairman, during the Redstone Arsenal Officers Wives Club coffee held Tuesday morning at the Officers Club.

NEWCOMERS TO OFFICERS WIVES CLUB WELCOMED AT COFFEE

More than 125 ladies attended the newcomer's coffee held Tuesday morning, Jan. 26, by the Redstone Arsenal Officers Wives Club.

Purpose of the event was to acquaint newcomers with the numerous activities of the Club which include bowling, sewing, golf, art, gardening, bridge, swimming, fund raising, hospitality, thrift shop, and assistance with Red Cross, scouting, pre-teen and teenage projects.

Each activity was represented by a decorative table and an activity representative was present to talk to newcomers interested in participating.

The main tables were decorated with bouquets of spring flowers

which were awarded as door prizes to Mrs. M. L. Hanson and Mrs. J. M. MacDonnell.

Chairman for the event was Mrs. S. C. Holmes, who is also chairman of the Club's hospitality committee. She was assisted by Mrs. Kyle Washburne, Mrs. Sylvester Hall, Mrs. Hugh Gallagher, Mrs. R. L. Chatham, Mrs. J. E. Marais, Mrs. J. A. Myers, Mrs. P. A. Lamoure, Mrs. P. B. Schuppener, and Mrs. Russell Bergman.

Pouring during the event with Mrs. Raymond W. Burkett, Mrs. W. E. Andruss, Mrs. William M. Cobb, Mrs. D. P. Vander Heyden, Mrs. G. P. Levey, Mrs. Nathan I. Reiter, Mrs. J. C. Baer and Mrs. Merle C. Ashley.

Herling Will Speak To Bar Association And to Sojourners

On Friday, Feb. 5th, Jack Herling, of Washington, D.C., will speak at the luncheon meeting of the Explorer Chapter of the Federal Bar Association on the subject "Labor - Management Relations and the National Temper." The meeting will be held at noon at the Officers' Open Mess at Redstone Arsenal.

In the evening, Herling will speak at the monthly meeting of Redstone Chapter 353, National Sojourners, on the subject "Labor and Management in Politics."

John Herling, nationally known Washington correspondent, covers the White House, Congress and the various government departments. He specializes in labor affairs.

Mr. Herling is the publisher

Accountants Group Holds First Meeting

The Federal Government Accountants Association Huntsville Chapter held their first regular meeting at the Russel Erskine Hotel Thursday (Jan. 28).

Approximately 40 accountants attended the meeting. After cocktails and dinner, progress of the association to date was reviewed and plans for the coming year discussed.

Programs committee director, Sy Farber stated that several per-

sons in government and industrial circles are scheduled to speak at future meetings.

Canasta Winner Is Mrs. John Draper

The canasta group of the Redstone Arsenal Officers Wives Club met Thursday evening with three tables in play.

Mrs. John Draper scored high, while Mrs. Victor Swan was low.

All members of the Wives Club are invited to participate in canasta played weekly on Thursday evenings at 7:30 p.m. at the Officers Club. Reservations should be made not later than Wednesday with Mrs. Oliver Edwards, ext. 5-8178, or Mrs. D. L. Voorhees, JE 9-2452.

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MRS. AUGUST SCHOMBURG

Mrs. Schomburg Reviews Her 28 Years as an Army Wife

As Maj. Gen. August Schomburg, newly assigned Commanding General of the Army Ordnance Missile Command, turns his interests to the Army's missile program, Mrs. Schomburg indicates that her thoughts will be first with her family — her husband, her three children and her five grandchildren.

A native of New York City, Mrs. Schomburg is the former Miss Fern Alice Wynne, daughter of Mrs. Arthur Wynne of Montclair, N. J. and the late Arthur Wynne.

She became Mrs. Schomburg on June 12, 1931, just six days after her graduation from Douglass

College, Rutgers University, New Brunswick, N. J., with a Bachelor of Letters degree in journalism. General Schomburg had just completed his studies at the U. S. Military Academy, West Point, N. Y., and the wedding was in traditional style at the Academy Chapel.

The Schomburg's first child, a daughter, was born the following year at Ft. Francis E. Warren, Wyo., and named Alice after her mother. The Schomburg's youngest daughter, Augusta Ann, and son, August, Jr., were born in Hawaii where Gen. Schomburg was assigned from 1934 until 1936.

At the Service Club

DANCE: The Sweetheart Valentine Ball will begin at 2000 hours on Feb. 11, with Hilding Holmberg's Orchestra playing. Who will be the SWEETHEART of this dance? Join us at the

Alice, a mathematics graduate of the Massachusetts Institute of Technology, is now Mrs. R. M. d'Oliveria of Norwell, Mass., the wife of Lieutenant d'Oliveria of the U. S. Navy. They have three children, Cecilia, six years old; Alyce, three years old, and Mark, two years old.

Augusta, who studied chemical engineering at the University of Colorado and German at the University of Heidelberg, is now Mrs. Mead S. Gruver of Akron, O. Her husband, the son of Maj. Gen. Earl S. Gruver (Ret.), is connected with private industry at Akron. The Gruver's have two daughters, Wynn and Sue, who are two and three years old.

First Lt. August Schomburg Jr., a 1958 graduate of the Citadel, Charleston, S. C., is now serving at Ft. Devine, Mass., and he has just been chosen as the outstanding first lieutenant in First Army. He is married to the former Miss Brenda Huffine, daughter of Maj. and Mrs. Rodney Huffine, of Little Rock, Ark.

Throughout her more than 28 years as an Army wife, Mrs. Schomburg has accompanied her husband whenever possible, and has been with him in Canada and Germany as well as Hawaii. However her stay in Hawaii is perhaps the most memorable to her since two of her children were born there.

Mrs. Schomburg indicates that one of her major personal interests is antiques, and she is anxiously awaiting the re-decorating of her quarters at Redstone Arsenal so that she can once again put her house in order. Gen. and Mrs. Schomburg formerly resided at Bradley Hills, Bethesda, Md. She has been at Redstone Arsenal since January 15.

When General Schomburg finds time apart from his many official duties, he assists Mrs. Schomburg with her antique collection.

As she begins her life at Redstone Arsenal, Mrs. Schomburg is looking forward to participating in Post activities and meeting the people of Redstone and Huntsville.

Service Club lounge for dancing and crowning of the Sweetheart of February.

DANCE CLASSES: Frances Harold will teach dance classes on Feb. 5 and 12 at 1900 hours. Ray Pisani will teach his latest classes in foxtrot and tango at 1930 and 2030 hours on Feb. 10.

TOURNAMENTS: A Chess tournament will be held at 1400 hours on Sunday, Feb. 7 in the Service Club.

GLEE CLUB: We are still trying to locate a director for the Male Glee Club. The group practices every Thursday night at 1930 hours in the Service Club.

POPCORN PARTY: Join us for popcorn and your favorite TV program at 2000 hours on Friday, Feb. 5.

SPG: The Show Production Group meets at 1930 hours on Tuesdays and Thursdays in the Theatre in the "Old Troop Area" near Madison Pike and Patton

Road.
FUDGE PARTY: Friday, Feb. 12, we will serve fudge candy and coffee at 2000 hours in the Service Club kitchen.

KITCHEN SNACK NIGHT: A snack will be served at 1800 hours in the Service Club kitchen. Make your favorite sandwich and have a cup of coffee with us.

MOVIES: A movie "Who Buys Your Livestock" will be shown in the TV lounge on the Feb. 9 at 1900 hours.

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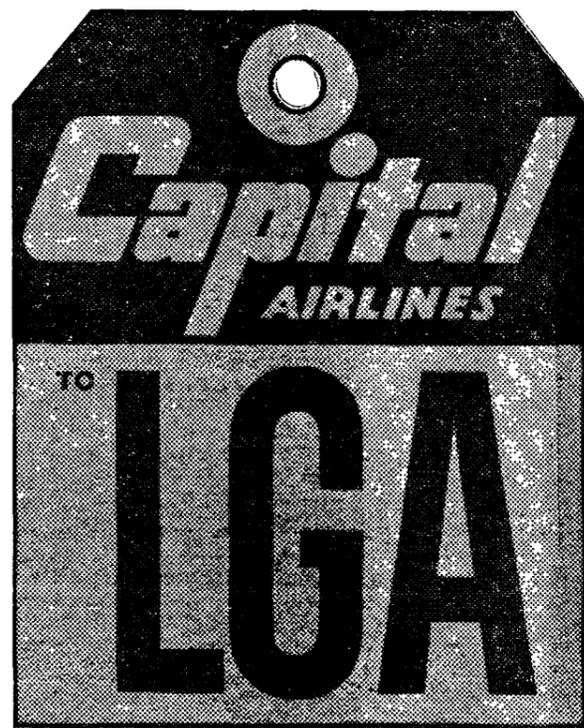
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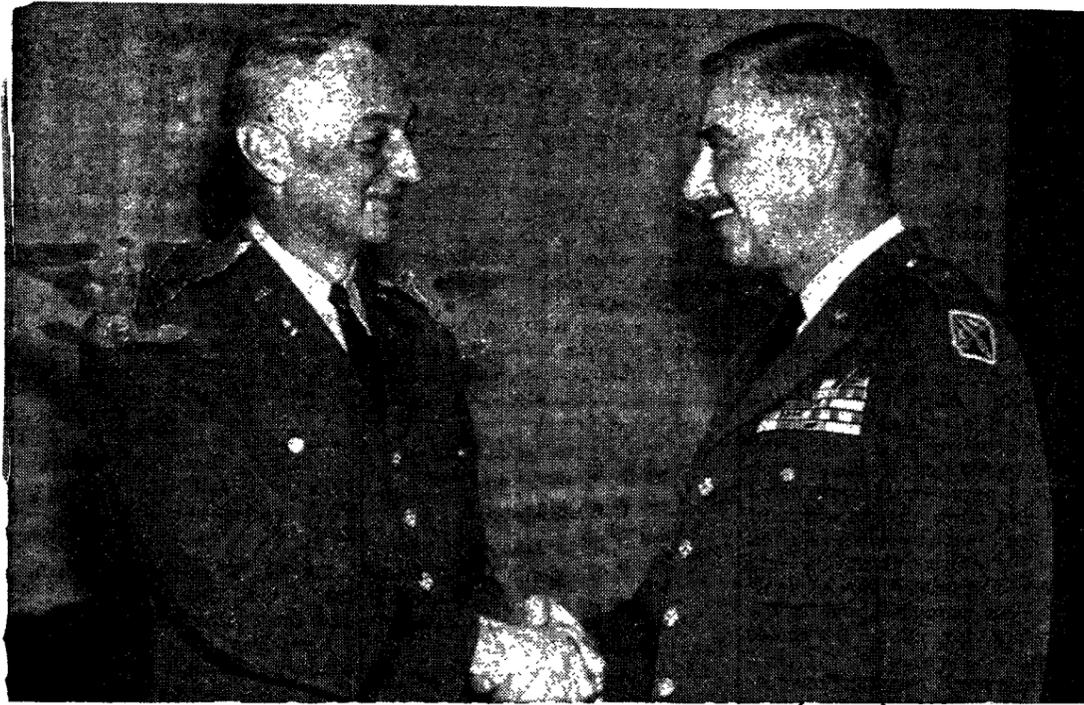
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PROMOTED TO COLONEL—Col. Oliver M. Hirsch (left) receives congratulations from Maj. Gen. J. B. Medaris who pinned oversized ornamental insignia on Col. Hirsch after the colonel's promotion was announced last week. Gen. Medaris retired as Commanding General of the Army Ordnance Missile Command on Sunday. Col. Hirsch is Director of the Industrial Division, Army Ballistic Missile Agency.

ABMA Scientists Will Give Space Lectures

Several scientists of the Army Ballistic Missile Agency will be guest lecturers in a unique graduate course on Space Engineering Science which opens today at Washington University, St. Louis. This novel course is being offered by the Sever Institute of Technology, Washington University, in conjunction with the physics departments of Washington University and St. Louis University.

The seven scientists who will each devote two weeks to the course are all employes of the ABMA Research Projects Laboratory. They are acting in a private capacity, having scheduled their vacation leave-time to coincide with the lecture schedule.

Dr. Ernst Stuhlinger, director of the Laboratory, and an international missile-space authority, will open the course this afternoon, with a talk on "Space Engineering, a New Engineering Science." Earlier in the day he will address a student assembly at Graham Chapel, speaking on "The Space Age and the Young Stu-

dent." Dr. Gustav Mesmer, director of the Sever Institute of Technology, said the Army scientists were chosen because of their unusual achievements and pre-eminence in their fields. The seven are members of the team which, under the technical direction of Dr. Wernher von Braun, developed the Redstone and Jupiter ballistic missiles and launched the Free World's first satellites of the earth and sun, Explorer I and Pioneer IV, as well as numerous other satellites and space probes. The major project of the group at present is the development of the Saturn heavy space vehicle for the National Aeronautics and Space Administration. Saturn is the nation's biggest and most advanced heavy space rocket.

Ninety-minute lectures will be presented three afternoons a week. Because of the heavy demand, the same lectures will be repeated in the evening to a second group of graduate students. The course will end May 20.

In addition to Dr. Stuhlinger, the lecturers and their topics will be as follows: Dr. Rudolph Festa, "Astronomy and Cosmology;" Dr. Charles Lundquist, "Celestial

Howard, Sightless Since Adolescence, Is Safe Worker

William B. Howard, instrument maker and repairer, Test and Evaluation Laboratory, OML, is named safe worker of the week.

Bill was born in Jacksonville, Ala. He attended the Jacksonville Grammer School; because of an unfortunate accident, Bill lost his eyesight and completed his high school training at the Alabama School for the Blind. His aggressiveness and ambition enabled him to complete a radio and TV repair course with the National

Mechanics;" Dr. David Woodbridge, "Physics of the Atmosphere and Outer Space;" Dr. Alfred Weber, "Instrumentation in Space;" Dr. Russell Shelton, "Radiation Problems in Space;" and Robert Seitz, "Propulsion Problems in Space."

Three credits toward a graduate degree will be given registered students who participate actively and successfully in at least three of the topics presented.

A second part of the Space Engineering Science series is planned for the fall semester, 1960, according to the Institute. Proposed topics will include: "Physics of the Moon and Planets," "General and Thermal Design Problems," "Power Supply Problems," "Communication Problems in Space," and "Space Biology."

Institute. He also used the Naval Reserve equipment to learn the Morse Code.

Howard entered Civil Service employment at Anniston Ordnance in 1951; he joined the Redstone group in Aug. 1953. Although totally blind, Bill is very proficient in maintaining, repairing and modifying optical and optical-mechanical instruments. His work performance and attitude toward his work have been well above average, according to his fellow workers and supervisors. He has been active in the Incentive Award Program and has received cash awards for five suggestions

which he submitted. Howard has never had an accident or caused any of his fellow employes to have one

Howard married the former Floda Mae Smith from Ashville, Ala., and they have a son, Larry, 12 years old, who attends the Union Hill School. They now reside at Lacy Springs, Route 1.



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MODIFIED STATIC TEST TOWER IS READY FOR SATURN BOOSTER

Modification of a towering static test stand at the Army Ballistic Missile Agency's Test Laboratory at Redstone Arsenal, Ala., has been completed in preparation for the first static firing of the massive Saturn booster, Maj. Gen. August Schomburg, commanding Army Ordnance Missile Command, said yesterday.

The 1,500,000-lb. thrust Saturn booster, being developed by ABMA, an element of the Army Ordnance Missile Command, is the first stage of a multi-stage space vehicle capable of placing very heavy payloads into earth orbit or effecting a "soft" lunar landing.

Of gigantic size and unique design, the 175-foot-high Saturn test tower literally dwarfs its surroundings in the sparsely wooded area of the Test Laboratory, located over a mile from the other nine laboratories of ABMA.

The huge tower was previously used in the testing program of the Redstone and Jupiter missiles. Originally, the tower was 147 feet in height.

The Laboratory's test facilities for the Redstone and Jupiter were completed in 1956 at a cost of \$12,000,000. Since this initial outlay, the Laboratory has grown into an approximate \$20,000,000 development, including the recent Saturn addition.

In addition to the Saturn test site, which includes the tower, an instrumentation blockhouse, an observation bunker and fueling fa-

ilities, the Laboratory contains an engineering and administration building, a power plant test stand, a cold-flow test stand and a component laboratory.

Designed by Maurice H. Connel and Associates, Inc., of Miami, Fla., the tower will continue to support the Jupiter program. Being able to modify one side of the tower, the opposite side is still used for static firing Jupiter IR-BM's, rather than having to construct an entirely new stand has saved the government over 10 million dollars and over a year in time.

The tremendous forces generated by the 75-foot-tall, 22-foot-diameter booster are absorbed by massive concrete foundations resting on heavy piling driven in to bedrock. Vertical loads are carried from the anchored missile through a restraining and measuring system to girders built into a load platform connected to four corner columns secured to the foundations.

Horizontal loads in one direction are taken by the tower and at right angles to it to a steel buttress. Above the load platform, there are two lattice columns supporting one end of the trussed bridge. The opposite end of the bridge rests over the tower. This bridge carries a 100-ton crane used for placing the first stage in position for testing.

Also included in the construction operation were underground fuel tanks with piping for emergency dumping of propellants and a million-gallon-capacity steel reservoir to supplement the available water supply. The 40,000 gallons per minute of water used by the deflector in quenching the heat and flames from the static-firing booster would, if pumped at this rate continuously, supply a city of over 500,000 population.

The contributions of the Army Ballistic Missile Agency in the "build-up" consisted of a complete tank and piping system for the storage, loading and emergency dumping of both liquid oxygen and fuel; a fire-fighting

system including sensitive detecting devices, gaseous nitrogen and water deluges that can be activated in a fraction of a second and a water-cooled deflector for changing the direction of the jet flames from the verticle to the horizontal.

Another major item designed by the Agency is a thrust ring and holddown hardware complex that is designed to secure the first stage while being tested, to compensate for differences in thrust between various engines and to dampen any shock loads that occur. Also developed by ABMA is the control and instrumentation networks, incorporating over 7,500,000 feet of wire, which provide a maximum of operational safety and allow the recording of over 800 measurements during testing. Working platforms and scaffolds and many special tools and devices were designed by the Laboratory for this particular mission.

In the overall construction program, the Test Laboratory supplied the basic parameters for use by the architects and engineers in the design, fabrication and installation of ABMA-contributed items. The Engineering Office of the Army Ordnance Missile Command exercised overall project control, and the Mobile District of the Army Corps of Engineers was responsible for construction design and contract inspection and management.

The principal construction firms involved were the J. A. Jones Company of Atlanta, Ga., and the Dunn Construction Company of Birmingham, Ala. Major contributions were made by the Chicago Bridge and Iron Company and the Ingals Iron Works of Birmingham, who fabricated and erected the structural steel, with assistance from a number of other sub-contracting companies.

Total cost of the modification of the static test facility was \$3,750,000. Of this \$1,250,000 was spent on construction by the Corps of Engineers, and \$2,500,000 was spent on major equipment and instrumentation.

The magnitude of the project, in cost and complexity of design, necessitated the development of a scale model of the clustered booster with a thrust of only 4,000 pounds. This allowed testing of the deflector configuration, possible erosion patterns of the deflector pit, heat radiation in investigations, and probable noise levels.

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Safety Scoreboard

(As of 1 Feb.)

Days since last civilian disabling injury	22
Our Goal	50
Days since last military disabling injury	2
Our goal	30
Days since last contractor personnel disabling injury	19
Our goal	50
Days since last government motor vehicle accident	3
Our goal	30

DRIVING RECORD (Government Vehicles)

(As of 1 Feb.)

Organization	No. Accidents (1960)	Day-Last MV Accident
Transportation Div. (RSA)	2	17
Post Engineer Div. (RSA)	4	11
Provost Marshall Div. (RSA)	3	3
Depot Operations (RSA)	0	130
All Other RSA	1	29
Thiokol (ARGMA)	0	64
All Other ARGMA	0	154
OGMS	1	3
ABMA	2	6

Movie Schedule

Wednesday, Feb. 3, "The Young Philadelphians" starring Paul Newman, Barbara Rush, and Brian Keith. Time 1815 and 2015.

Thursday Friday, Feb. 4-5, "The Gazebo" starring Glenn Ford, Debbie Reynolds and Carl Reiner. Time 1815 and 2015.

Saturday Feb. 5, SPECIAL MATINEE, "Hong Kong Affair" starring Jack Kelly and May

Births at Post Hospital

Roy Lee Dickey, 7 lbs. 10 1/2 ozs., Jan. 19, son of SFC. and Mrs. Francis L. Dickey.
Brenda Lee Verneau, 7 lbs. 1 1/2 ozs., Jan. 20, daughter of S/Sgt. and Mrs. Wilford N. Verneau, Jr.
Cecelia Lynn Smith, 7 lbs. 1/2 ozs., Jan. 20, daughter of S/Sgt. and Mrs. Charles M. Smith.

Donnie Ohal Wynne, 7 lbs. 10 ozs., Jan. 21, son of SFC. and Mrs. Willie Ohal Wynne.

Leona Mildred Ferris, 6 lbs. 3 1/2 ozs., Jan. 21, daughter of SFC. and Mrs. Milton L. Ferris.

Kathleen Rene Van Zelf, 7 lbs. 11 1/2 ozs., Jan. 23, daughter of PFC. and Mrs. Robert L. Van Zelf.

Daniel Frederick Levison, 7 lbs. 9 ozs., Jan. 23, son of Sgt. and Mrs. Albert N. Levison.

Kent David Pittman, 8 lbs. 9 1/2 ozs., Jan. 23, son of M/Sgt. and Mrs. Billy D. Pittman.

Susan Ramona Johnson, 6 lbs. 14 3/4 ozs., Jan. 23, daughter of Sp-4 and Mrs. Charles E. Johnson.

Ralph Edwin Cason, 6 lbs. 2 1/2 ozs., Jan. 25, son of Lt. Col. and Mrs. Claude E. Cason.

Mark Blaine Spangler, 7 lbs. 10 1/2 ozs., Jan. 25, son of Sp-4 and Mrs. Gary B. Spangler.

Wynn. Time 1000.

Saturday, Feb. 6, "The Sad Sack" starring Jerry Lewis, David Wayne, Peter Lorre and Phyllis Kirk. Time 1815 and 2015.

Sunday-Monday, Feb. 7-8 "The Seven Thieves" starring Edward G. Robinson, Rod Steiger, Joan Collins and Eli Wallach. Time Sunday 1400, 1815, and 2015. Time Monday 1815 and 2015.

Tuesday, Feb. 9, "Ask Any Girl" starring David Niven, Shirley MacLaine and Gig Young. Time 1815 and 2015.

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AT ABMA OPEN HOUSE—Secretary of the Army Wilber Brucker (second from right) chats with top-ranking officials of the Army Ordnance Missile Command Saturday at Redstone Arsenal during open house in observance of the fourth anniversary of the establishment of the Army Ballistic Missile Agency, an AOMC element. Standing in front of tail section of huge Saturn super-booster are, left to right: Dr. Wernher von Braun, Director of Development Operations Division, ABMA; Brig. Gen. J. A. Barclay, ABMA Commander; Secretary Brucker; and Maj. Gen. August Schomburg, who succeeded Maj. Gen. J. B. Medaris as AOMC Commanding General upon his retirement from the Army Jan. 31. The ABMA open house also served to honor the retiring general. Mr. Brucker presented the Distinguished Service Medal to General Medaris.

Engineering Symposium Will Be Held Feb. 4-5

A two-day engineering symposium will be conducted in the Rocket Auditorium, Feb. 4-5 by representatives of the Bendix

Aviation Corp. The Bendix representatives are guests of the U.S. Army Ordnance Missile Command Control office and all questions concerning attendance at the two day meeting or any portion of it by Government employes should be referred to Robert Libby, Ar-

senal ext. 2-2689. The invitation to attend includes all interested Government employes Army Rocket and Guided Missile Agency, the Army Ballistic Missile Agency, the Ordnance Guided Missile School, and Redstone Arsenal.

Topics will include "Passive Anta-Radiation Guidance System" by Kirke W. Marsh, chief engineer, Guidance Systems, Pacific Division; "Advanced Infrared Techniques" by Dr. Lloyd G. Mundie, head of Infrared and

First Troops Fire Lacrosse to Prove Battle Readiness

McGREGOR RANGE, N.M. — The Army's Lacrosse guided missile and soldiers trained to use it proved themselves battle ready today in the first troop firing of the powerful new surface-to-surface weapon.

The Fifth Missile Battalion, 41st Artillery, the first Lacrosse battalion activated, fired the missile at 8:10 A.M., MST, over the desert range here (29 Jan.).

The shot climaxed eight months of intensive training since the unit's activation in May, 1959 at Fort Sill, Okla. The battalion, commanded by Lt. Col. Leo M. Blanchett, Jr., has been assigned to Fort Sill's 52d Artillery Group during its training period. The Lacrosse is not fired at Ft. Sill because of range limitations.

The firing was part of the first annual service practice firing session held by the Fifth Battalion. The battalion and the Fifth Missile Battalion, 42d Artillery, are at McGregor Range for annual

service practice firing. The two units underwent firing phases of Army training tests over the week-end.

Lacrosse, developed under the supervision of the Army Rocket and Guided Missile Agency, U.S. Army Ordnance Missile Command, is produced by Martin-Orlando.

It is a troop support weapon designed to deliver high explosive or nuclear warheads on enemy fortifications and troop concentrations with pinpoint accuracy. The 19-foot long missile has a range comparable to that of long range artillery. Its accuracy is obtained through the system's "guidance central" - a command guidance station that electronically picks up the missile in flight and slams it into its target.

Since the missile is guided in flight, precise target location information is not required at the firing point.

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TWO YEARS AGO ON JANUARY 31 THE FIRST EXPLORER ORBITED

Two years ago Sunday, (Jan. 31, 1958) the United States took its first major step into the age of space travel and research by successfully launching its Army-developed scientific earth satellite, Explorer I.

The reaction was tumultuous in Huntsville, Ala., home of the Army Ballistic Missile Agency, whose Jupiter C missile had placed the 18-pound satellite into orbit around the earth. On the eve of the launching, thousands packed into the Square downtown amid wailing sirens, blaring horns and firing rockets to celebrate the historic event.

Explorer I, launched by the

Army only 84 days after receiving the assignment from the Department of Defense, was the first of four Army Explorers launched into orbit in less than two years.

The greatest achievement of the discovery and subsequent investigation of the Van Allen Radiation Belt, which circles the earth. Scientists participating in the International Geophysical Year consider this among the most important findings of the world-wide research program.

Carry instrumentation designed by Dr. James Van Allen of the State University of Iowa, Explorer I detected a deadly band of radiation particles beginning at about 600 miles altitude. The number of particles encountered per second was some 1,000 times greater than what had previously been considered normal.

A second experiment confirmed man's ability to control temperature within an artificial satellite. Scientists of the Jet Propulsion Laboratory, who conducted the heat experiment, were assured by results that their technique for temperature control is adequate for the successful operation of sensitive electronic equipment.

In the third area of Explorer I's instrumentation, it was deter-

mined that micrometeorites offered no serious hazard to orbiting vehicles. Though the impact microphone inside the vehicle registered the collision of several small particles on the shell, no damage occurred during the three-month life-time of the satellite's radio transmitters.

Although radio transmission from Explorers I and IV has ceased, optical sightings and photographs continue to provide vital information in still another area of science.

Such sightings and pictures of the orbiting vehicles not only are used in computing and predicting more precise orbital data for other satellites, but are also instrumental in correcting mapping errors by locating, more exactly, geographical positions on earth. These sightings and photographs are made by the worldwide network of Moonwatch teams, U.S. and Foreign observatories, military installations, photo tracking stations and miscellaneous observers.

The Jupiter C missile, carrier vehicle for Explorer I, was designed, fabricated and launched at an approximate cost of 1.5 million dollars. To date, the satellite has travelled 281,495,400 miles. Thus, Explorer I continues to yield valuable information at a constantly decreasing cost of less than one-thousandth of a cent per mile.

Originally, Explorer I completed an orbit every 114.9 minutes, soaring out to an apogee of 1,573 miles and in to a perigee of 224 miles. The satellite is now completing an orbit every 109.3 minutes with an apogee of 1,265 miles and a perigee of 217 miles. It is expected to remain in orbit until late 1962.

Explorer III, which is no longer orbiting, was hurled aloft on March 26, 1958, and re-entered the earth's atmosphere three months later, after traveling 31 million miles. This satellite also carried cosmic ray intensity measuring devices.

Explorer IV, launched by the Army on July 26, 1958, remained in orbit for 452 days. The satel-

lite re-entered the earth's atmosphere last October after traveling over 160 million miles. The 38-pound satellite carried four radiation counters, giving excellent data on the distribution and energy level of the radiation band.

On Oct. 13, 1959, the Army launched its Explorer VII satellite under the direction of the National Aeronautics and Space Administration. Explorer VII, weighing 91.5 pounds and containing seven vital scientific experiments, is the most complex and informative vehicle orbited to date in the Free World.

Explorer VII, which has traveled 44.5 million miles in its elliptical orbit, is circling the earth at an apogee of 673 miles and a perigee of 347 miles. As of Dec. 30, 1959, magnetic tape telemetering records from the 20 megacycle transmitter totaled over 300 miles in length.

While the same workhorse Jupiter C placed Explorers I, III and IV into orbit, Explorer VII was boosted aloft by a Juno II rocket, which was a modified Jupiter intermediate range ballistic missile. Both the Jupiter and the Jupiter C were developed by ABMA, an element of the Army Ordnance Missile Command, also at Redstone Arsenal.

Jan. 30, one day before the

dramatic launching of Explorer I, will mark the fourth anniversary of the Army Ballistic Missile Agency, actually activated on Feb. 1, 1956. ABMA celebrated its birthday by holding an open house, at which thousands witnessed a static test firing and tour of the laboratories of the first and only agency created exclusively for the performance of technical service responsibilities for long-range ballistic missiles and orbital vehicles.

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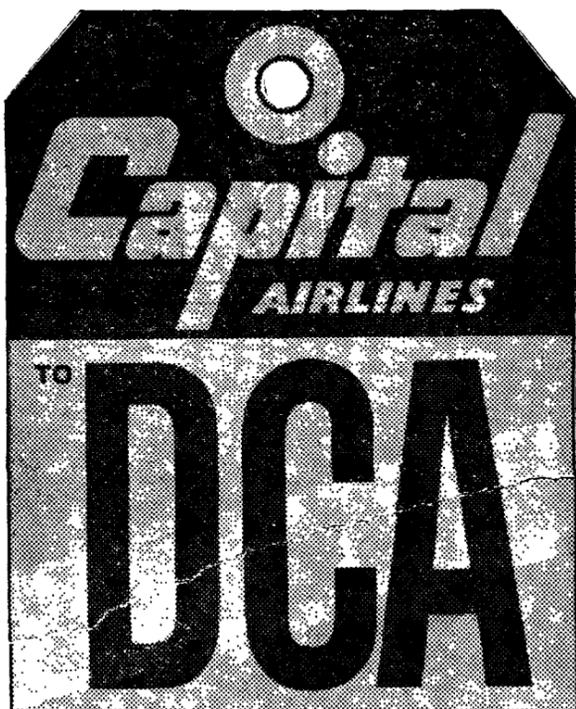
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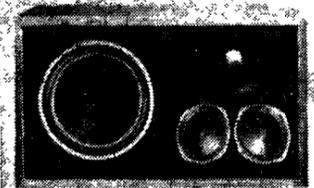


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EXHIBIT AT ABMA OPEN HOUSE—Secretary of the Army Wilber Brucker inspects recovered Jupiter intermediate range ballistic missile nose cones on display last Saturday at Redstone Arsenal during open house in observance of the fourth anniversary of the establishment of the Army Ballistic Missile Agency, Army Ordnance Missile Command. Secretary Brucker headed a list of dignitaries, plus thousands of other visitors, attending the day-long event, which also served to honor Maj. Gen J. B. Medaris, who was retiring as Command General of AOMC.

Martin Receives Contract For Pershing Development

The Department of the Army announced last Friday the award of an \$82,599,690 contract to the Martin Company, Orlando, Fla., for continued research and development of the Pershing ballistic missile system.

This brings the total for the Pershing missile system for FY 1960 to \$118,057,000, the Army

having announced previously orders for approximately \$35 million.

Today's contract covers production of missiles, ground support equipment, training and flight and environmental testing in addition to engineering services in continued research and development activities.

The Pershing program, progressing on schedule, is under the technical supervision of the Army Ballistic Missile Agency.

The Pershing is a two-stage, selective range, surface-to surface ballistic missile system being designed as an Army tactical support weapon of extreme accuracy and high mobility. Pershing missiles have already undergone a series of static firing tests at the ABMA Test Laboratory and these tests are to be continued. Designed to test and evaluate missile performance prior to actual flight testing the static firings have been considered highly successful by the ABMA Commander, Brig. Gen. J. A.

Barclay.

To keep the Pershing system as tactical as possible throughout the development stage, tactical ground support equipment will be introduced early in the research and development test program. Transporter - erector - launcher equipment will enable the Pershing to be moved to an unprepared site, erected and fired in a matter of minutes. This will give the Pershing the mobi-

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Month's Safety Theme Is in Handling Material

During the month of February, 1960, the spotlight will be on the prevention of accidents incurred during the course of handling materials. An installation-wide program is planned to direct the attention of all concerned to the hazards associated with this subject, on the job and in the home, through the showing of safety films, supervisor safety talks, unit safety training and other appropriate means.

lity of smaller weapons in the Army's family of missiles. The weapon will be ground and air transportable.

Part of the development program will be conducted at the Atlantic Missile Range at Cape Canaveral, Fla. The Army-contractor team will use this facility for testing and tracking missile firings during the research and development flight test program.

As stated by a Redstone safety representative "This is a most important endeavor in our accident prevention effort as handling objects is the principal source of lost time work injuries. One of the main reasons for the large number of injuries received in handling materials is that all parts of the body are exposed to contact; eyes, head, arms, legs, hands, fingers, feet and toes. And of course, there are numerous hernias, back sprains and extensive property damage as a result of the unsafe handling of materials, both by hand and mechanical handling equipment.

"Fortunately, the prevention of most of these accidents and injuries does not require a high degree of technical knowledge and most all of them are uncalled for. They usually result because persons fail to understand or disregard simple and easily applied rules for safe handling or fail to provide or use the required proper protective apparel and equipment."

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M/SGT. CHARLES BUTLER (left), new president of the Redstone Arsenal Non-commissioned Officers Club, receives congratulations from Sergeant-Major J. M. Hingenitz, outgoing president. Looking on is Maj. Russell A. Bergmann, of Redstone Consolidated Supply Division, who serves as NCO Club advisor.

BLOODMOBILE TO VISIT ARSENAL NEXT WEDNESDAY

The Red Cross Bloodmobile is scheduled to be at the Redstone Arsenal gymnasium on Feb. 10 from 8:30 a.m. until 2:30 p.m., it

was announced by the Arsenal coordinator, Maj. Jesse A. Garner.

Sam Howell of the Red Cross Blood Center in Birmingham pointed out that the Bloodmobile program would be unable to operate without the services of volunteer groups such as the Gray Ladies, the Red Cross Aides, and the Volunteer Nurses. The Arsenal Chairman for these volunteers are: Mrs. Henry D. Arrott, Volunteers; Mrs. J. N. Jean, Blood Program and Mrs. F. W. Connor, Volunteer Nurses.

Approximately 50 of the 86 volunteers are on hand for each Bloodmobile visit in addition to the Red Cross canteen workers who are from the Huntsville Chapter of the Gray Ladies

The Bloodmobile began its

operation at Redstone Arsenal in 1951. The Gray Ladies were formally organized on the Arsenal in 1957. There were 18 Gray Ladies in the first class, with 12 others qualified at other Posts serving at the Post Hospital and working with the Bloodmobile. Miss Corrie Knight, Red Cross field worker who recently transferred to Hunter Air Force Base, was instrumental in organizing the group.

The Red Cross Office personnel on the Post also give due credit to the repeat donors. The staff reports that when the repeat donors don't get the word before the Bloodmobile arrives, the donors call the office and complain. Five gallon pins have been awarded at the Arsenal, other donors are working on lesser or greater gallons.

Last August was the record month for the Bloodmobile's bi-monthly visit. A total of 932 pints

Cartographers Are Needed at Arsenal

The U.S. Civil Service Board of Examiners has announced openings for cartographers at Redstone Arsenal.

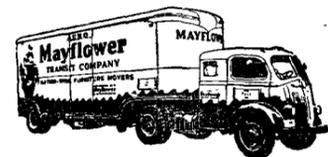
The announcement is numbered 5-35-1(60). The position carries a grade of GS-14 (\$11,335 per annum.)

Competition on Announcement No. 5-35-15(59) closes tomorrow. This announcement covered biologists at GS-11 (\$7030 P. A.) through GS-14.

ARMY HISTORY

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GENERAL MEDARIS PREDICTS 1960 LEVEL IN MISSILE DEVELOPMENT

The Army's missile development and production programs will continue in 1960 at the same level of effort as programmed in 1959, Maj. Gen. J. B. Medaris, recently retired Commanding General, U.S. Army Ordnance Missile Command, said Sunday.

"Work will continue on 18 weapons systems for which my former Command has systems responsibilities," Gen. Medaris added. "The Command will also furnish major support to other Commands on two additional weapons systems."

The two big missile programs which Gen. Medaris directed since Feb. 1, 1956 until last Sunday, the Redstone Ballistic Missile System and the Jupiter IR-BM System, will be practically completed in the new year.

The last production Jupiter will come off the line in December, 1960. The last production Redstone will be completed in 1961. Thereafter the Missile Command will be responsible for the Redstone spare parts and maintenance program so long as the missile remains operational. The Command will also procure spare parts for the Jupiter system, which is under operational control of the U.S. Air Force.

Another major weapon system initiated under Gen. Medaris' direction, the Pershing Ballistic Missile, will enter the test firing phase of development early in 1960.

The other Army weapons systems for which the Command has continuing responsibilities include the following:

Air Defense Systems - Hawk, Nike Ajax and Nike Hercules. All are in production. Ajax and Hercules are deployed in the United States and in NATO countries. Award of a contract to develop a new battlefield type air defense weapon, Mauler, is anticipated shortly.

Missile Defense System - Nike Zeus. The system is an advanced development. Test firing facilities are now being constructed in the Pacific Ocean area to permit testing Zeus capabilities against Jupiter target missiles.

Surface-to-Surface Tactical Systems - Honest John, Corporal, Sergeant, Lacrosse, Little John. The first two systems have been deployed with Army and NATO forces for several years. Army artillery battalions are now e-

quipped with Lacrosse. The Sergeant system is in production. Little John will enter the production phase during 1960.

Early development work is in progress on Redeye, an air defense missile.

The Command will continue evaluation of the SS-10 and SS-11 French anti-tank missiles.

A new system, known only as Missile "A", is under active study.

AOMC is supervising the development of the Shillelagh anti-tank missile to be incorporated in a vehicle mounted tactical system under the overall direction of the Ordnance Tank Automotive Command.

The Missile Command is assisting the Chemical Corps and the Ordnance Weapons Command in development of a new weapon system known only as T-273.

"The Command will accelerate procurement in the Pershing and Little John systems during the year as they near completion of the research and development phase," Gen. Medaris said.

The AOMC Commander anticipates that employment and earnings at Redstone Arsenal, headquarters of the Command, will continue at approximately the same levels as in the past year. He forecast a slight increase in civilian employment at another major element of the Command, White Sands Missile Range in New Mexico.

Gen. Medaris emphasized that the proposed transfer of person-



MANAGEMENT AND FINANCE DISCUSSIONS—Maj. Gen. R. W. Ward (center), Deputy to the Comptroller of the Army for management, talks with Maj. Gen. J. B. Medaris (left) Commanding General of the U. S. Army Ordnance Missile Command, and Maj. Gen. August Schomburg, who will succeed Gen. Medaris when he retires on Jan. 31. The conversation took place during a break in the meeting of the Army Research and Development Organization Board at the Army Ordnance Missile Command today (Jan. 27). Gen. Ward, Chairman of the Board, was appointed by Secretary of the Army Brucker. Today's discussions centered on the organization concept, management control system, internal financial management, and supporting research for the Army missile program.

nel and facilities of the Army Ballistic Missile Agency to the National Aeronautics and Space Administration will not reduce the level of Army effort in support of weapons programs. ABMA will be reconstituted around a new research and development division and will continue to supervise the Pershing, Redstone, Jupiter and other Army missile systems.

HISTORY NOTE
The Confederate States of America was created 99 years ago (Feb. 4, 1861) at Montgomery, Ala.

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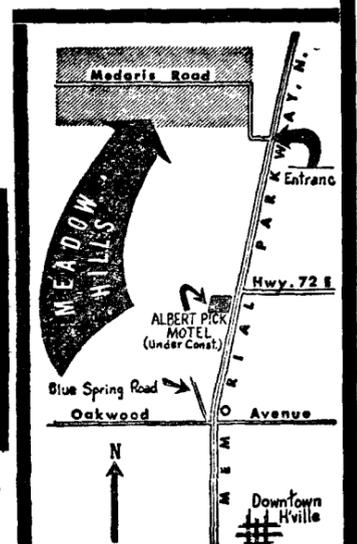
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Sec. Brucker Praises Gen. Medaris' Command

Following is the text of Secretary of the Army Wilber M. Brucker's remarks at the retirement ceremony for Maj. Gen. J. B. Medaris on Jan. 30:

I greet you, Gen. Medaris, to tell you in the presence of all this splendid crowd of the magnificent record you have made for your country. The playing of those few bars of the Marine Song was for the purpose of recalling something near and dear to your heart. From that great organization, the United States Marine Corps, you made the transition later to the United States Army as a lieutenant of Infantry.

The playing of that dear song, "Beautiful Ohio," your state from which you graduated from school, also recalled fond memories to you. This is a day these many people will never forget and I am sure it is a day that will be

etched upon your heart.

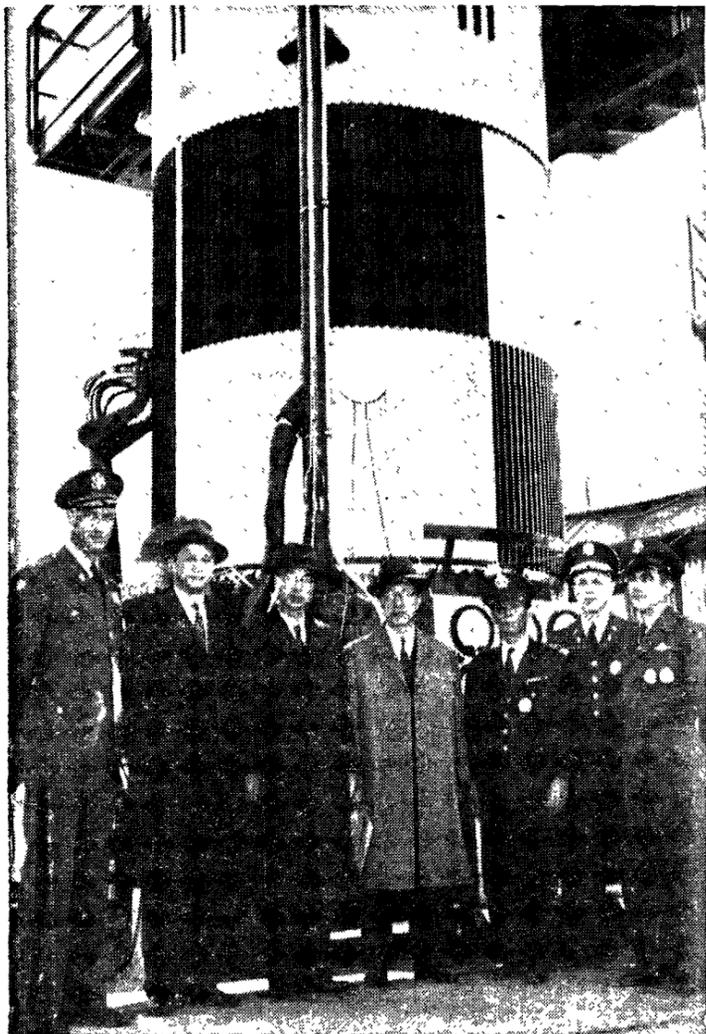
Gen. Medaris, you represent to the people of the United States, the patriotic people of our land, the superlative in the field of Army and military leadership. You came here four years ago and gathered together different elements — scientists, engineers, and others — who were engaged in this great job of missiles and space of the future. You made it a reality. Combining all of these with your unusual talents of organization, your years of experience, your combat background, under fire in Africa, in Sicily and again in Normandy, you gave all of your great leadership to this task.

Four years ago there were a lot of people who said "It couldn't be done" — but you did it. When Explorer I went up that night, two years ago tomorrow night, no one will ever forget the feeling that went around the whole of the Free World—America has done it! It wasn't just America. It was this group of dedicated people led by Gen. Medaris who

brought that about.

I will not repeat all the words that have been said here today but I will say this—from the depths of sincerity in my heart, representing all of the United States Army and all the right thinking people of this nation, we today are by your side. This is your day and never will it be said that Gen. Medaris is not receiving upon this field of honor, here in the Redstone Arsenal, the highest tribute of a grateful nation.

Now on behalf of the President, the Commander in Chief, Dwight D. Eisenhower, I present to you and I place upon your breast the Distinguished Service Medal of the United States with Oak Leaf Cluster—the second time this has been given to you—and I now do this on behalf of our country.



DELEGATION OF JAPANESE OFFICIALS visiting Cape Canaveral, Fla., under the auspices of the U. S. Department of State—is shown standing before a Jupiter intermediate range ballistic missile in place on a launching pad operated by the Army Ballistic Missile Agency. The Army escort officer was Lt. Col. Curtis L. Ferrell, Jr., left, Deputy Chief, Atlantic Missile Range Army Field Office. The visitors are Yuco Kato, Chief of Secretariat; Naka Funada, member Japanese House of Representatives; Keikichi Masuhara, member, House of Councilors; and Col. Mitsusuke Tanaka, Japanese Army attache to Washington; Major Robert E. Bassler, Jr., second from right is Chief of the ABMA Project Office, Army Field Office; and Major Peter Paylan is Chief of the Downrange Affairs Office, A. F. Missile Test Center.

EQUITIES

824 STANHOPE DR. — Oak Park—3 bedroom brick with 1½ baths, large living and dining room, enclosed garage and fenced yard. On corner lot. Price \$17,600.

209 THORNTON AVE. (Mayfair)—2 bedroom home with separate dining room, fireplace and fenced back yard. Purchase equity and assume monthly payments of only \$70.39.

2914 AZALEA CIRCLE (Holiday Homes)—3 bedroom brick with paneled kitchen and den combination, large carport, washer and ydrer connections, glass sliding door to patio, on city sewer, forced air heat. On a large corner lot that is fenced with redwood, (offering privacy for the swimming pool), ready for use. Purchase equity and assume payments of only \$94.80.

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3 BEDROOM Furnished house. Will consider men or ladies. Conveniently located. JE 4-0929. 1tc

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FOR SALE — 1958 Karmann-Ghia Volkswagen, radio, white-walls. Original tires still good. Excellent condition. Must be seen and driven to be appreciated. \$1800. JE 6-1906. 1tp

BANKHEAD KINDERGARTEN— Now has vacancies, transportation furnished, ages 4 and 5. Phone JE 6-2779. 1tc

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FARM FOR SALE — Located 4 miles east of Arab, ¼ mile from Grassy Junior High School 3 bedroom house, central heating system, hardwood floors, new bath, city water and telephone, 2 acre lake with plenty of bass and bream, 60 acres are fenced, will sell all or 20 acres, O. D. STONE, Arab, Ala., Pho. JUniper 6-5988. 2-10c

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1959 SPORTSMAN DESOTO 4-dr., hardtop, green and white, all extras, 14,000 miles. Perfect condition. Reason selling, owner has older car. Call BROWN, Ext. 5-8923, or Athens 1664-W. 1tp

FOR SALE — 1957 Two bedroom Liberty trailer. Small equity or \$2200.00 cash. Call JE 6-6931 anytime. 1tp

FOR SALE — Frigidaire Custom Imperial Automatic Dishwasher. Has luxurious brushed chrome front. In perfect condition, only 7 months old. Original cost \$350, will sell for \$200. Phone JE 4-6712. 1tp

FOR SALE — 1958 Philco Electric Range with large 40-inch oven. Built-in hamburger grid- dle, broiler, roaster, four thermostat controlled cooking units, clock timer, minute interval timer, color lit dials, and storage space for cooking utensils. Used only 1 year. Cost \$600 new, will sell for \$250. Phone JE 4-6712. 1tc

NEW — three bedroom home, ceramic tile bath, forced air heat, small down payment, located in Arab, Alabama. 2-10-c

FOR SALE — Boxer puppies, males and females; 4 months old, fawn color. Ears and tails trimmed. Call ext. 3-1890 or Athens 1620-XW. 1tp

FOR SALE — Extra nice 2 bedroom home with large den, basement, fence, nice yard, trees, small down payment. Phone JE 2-2690 after 5:15. 1tc

FOR RENT — 3 room furnished apartment, lights and water furnished, air conditioned. Phone JE 2-8289. 1tc

FOR SALE — 1959 Renault Dauphine, excellent condition, radio, heater, defroster. \$1295.00. Warren Kelly, Arab, Ala., Pho. JUniper 6-7122. 2-10c

'54 **PLYMOUTH** Station Wagon, 2-dr., radio, heater, good clean condition. Good tires, used as family car. Asking \$500. JE 6-7859. 1tp

FOR SALE — 1954 Plymouth 4-dr. sedan. New overhaul, poor tires. \$300.00 or best offer. Pho. JE 6-8773 evenings. 1tp

FOR RENT — 5-room unfurnished apartment at 1122 Wellman Ave., near schools. Phone JE 4-9311 or JE 2-5697. 1tc

ROOM FOR RENT with kitchen privileges to two men or two women. In Northeast Huntsville. Call JE 4-7394. 1tp

ROOM FOR RENT with kitchen privileges to two men or two women in Northeast Huntsville. Call JE 4-7394. 1tp

FOR SALE — 1957 Dodge Royal D-500. 2-Door Hardtop. Extra clean. Good tires, 21,400 miles. Can be financed. Call JE 2-2318 after 4:30. 1tp

FOR RENT — 2 and 3 room furnished apartments \$55 and \$65 per month, private bath, utilities included. Call JE 4-9176 after 11; a.m. 1tp

AVAILABLE FEB. 10 — 2 furnished rooms in South Huntsville, private shower, private front and back entrance, \$70. 00 per mo., Phone JE 6-0835. 1tp

FOR RENT — 4 room furnished duplex apartment, private entrance, automatic washer connections, in East Huntsville, \$75.00 per mo., phone JE 2-5714. 1tp

EQUITY SALE — House, exceptionally low equity wanted, 6-room, 3 bedroom, 1½ ceramic baths, practically new, brick, good location. Must sell. Hurry, call JE 2-8764 for details and inspection. 2-11p

FOR RENT — Two 1-bedroom trailers, \$60 per month. See at McGuire Grocery, behind Redstone Trailer Park. 2-10c

FOR SALE — Good, used fully automatic washing machine. \$35.00. Phone JE 6-0590. 1tc

FOR SALE—Membership in Flying Club based at Pryor Field Airport, Decatur. Excellent discount. Phone JE 9-2034 after 4:30 p.m. 1tp

FOR SALE — 6-room brick, double carport, large lot, 2 houses from the Country Club on a hill overlooking the city, 5 minutes from downtown and 5 minutes from Gate No. 1, RSA. Owner transferred. \$700 down and \$99.86 monthly payments. Call JE 4-0279 evenings and weekends. 1tp

NOTICE — Retired officer's wife will share expenses of a car for privilege of going to commissary, cleaners, etc. From Whitesburg Drive and Bob Wallace vicinity. Phone JE 2-3969. 1tc

THREE BEDROOM 1½ ceramic tile bath already financed FHA, small equity, immediate possession, located in Arab, Alabama. 2-10-c

BEST HOME BUYS — Best location in town (just outside Gate 9). On 100% GI loans or minimum FHA terms. Sherwood Park, JE 2-3113, JE 6-7421. 1tc

CASH! FOR YOUR CAR — We need all makes and models. We will pay you more. We buy and sell imports, too. Texas Auto Sales, phone JE 6-6121. 1tc

ABS SECRETARIAL SERVICE— Personal, business and legal typing. Mailing service (club news, convention announcements, etc.) Mimeographing (post cards, office forms, Church bulletins, garden club booklets), Income Tax: Returns prepared. Art work. Telephone Answering Service. Office 528 Madison St., S. Phone JE 4-6451 - JE 6-9341 Home phone JE 4-6433. 1tc

FOR RENT — Modern 3 room furnished apartment, hardwood floors, electric heat, Ceramic tile bath, showers and tub, off street parking, good location, Phone JE 4-6990. 1tc

FURNITURE & APPLIANCE BARGAINS Drive out and see our display of quality home furnishings at wholesale prices. Our low overhead permits us to give you extra discount savings. Ask about our easy pay plan. Furniture Outlet Store, Meridianville, Ala., phone JE 6-6857. Go Out-a-way — Less-to-pay 1tc

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Congratulatory Message Sent ABMA Commander

Among the good wishes received at the Army Ordnance Missile Command on the fourth birthday the Army Ballistic Missile Agency celebrated last Saturday was the following message to Brig. Gen. J. A. Barclay, Deputy Commanding General of the Army Ordnance Missile Command and Commander of ABMA, from George L. Haller, Vice President of the General Electric Company.

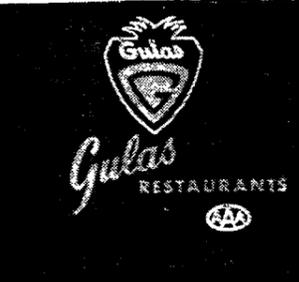
Brig. Gen. John Barclay Congratulations to Army Ballistic Missile Agency on its fourth anniversary. The General Electric Company wishes to express its appreciation of the Army Ballistic Missile Agency's job well done in supporting the United States Race for Space Leadership.

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Letters to Gen. Medaris Laud Him for Contribution To Missiles, Space Effort

(NOTE: The following excerpts are taken from letters received by Maj. Gen. J. B. Medaris on the occasion of his retirement from the Active Army).

General Lyman L. Lemnitzer, Chief of Staff, U.S. Army:

"It is noteworthy that you retire on the second anniversary of the successful launching of Explorer I, the Free World's first earth satellite. It is a fitting monument to your genius and leadership of the superb organization at Huntsville which you created and inspired."

General Matthew Ridgway, retired, former Chairman, Joint Chiefs of Staff:

"Your courage, complete integrity, high competence and sound judgement have already made an enduring contribution such as few are privileged to make."

General Maxwell D. Taylor, retired, former Chief of Staff:

"In recent years you have been a most effective spokesman for Army missile activities. It is a great national tragedy that forces beyond the control of all of us prevented your magnificent team from making its full contribution to the national defense. This tragedy was in spite of your forceful presentation of the Army's capabilities to the responsible authorities above you."

Lt. Gen. James M. Gavin, retired:

"Your vision, sound judgement and your enthusiasm were always the source of great inspiration and encouragement for those of us who worked with you."

Lt. Gen. Arthur G. Trudeau, Chief of Research and Development:

"We shall miss your sturdy support, although I know that wherever you are or whatever you are doing, the Army you have loved so much and served so well can call on you."

Lt. Gen. J. H. Hinrichs, Chief of Ordnance:

"You have made a terrific contribution in many fields during your Army career, most notably in your exercise of command and leadership in these last exciting and sometimes frustrating years. I share with you pride in the games won and regret at those lost."

Maj. Gen. D. N. Yates, Commander, Air Force Missile Test Center:

"I can say that your accomplishments are an eloquent testimonial of your capabilities and dedication to the job of defending our country."

General Carter B. Magruder, Commander-in-Chief, UN Command, Japan:

"You can leave active duty with a feeling that you have rendered great service to your country. My admiration and best wishes go with you."

Lt. Gen. Clark L. Ruffner, Commanding Third U.S. Army:

"Your dynamic leadership in performing a task vital both to the defense of our country and to its continuing progress in the missile field is a matter of public record and knowledge."

Dr. T. Keith Glennan, Administrator, National Aeronautics and Space Administration:

"Few people have left their imprint more positively and forcefully on the nation's space and missile programs than you. I salute you as a dedicated, effective and forthright public servant and a soldier among soldiers."

Dr. Frank A. Rose, President, University of Alabama:

"For all that you and the members of your team have done on our behalf, we want you to know that we will forever remain indebted."

Donald W. Douglas, Jr., President, Douglas Aircraft:

"The people of our nation know, as do all of us who have worked with you, that the results of your efforts are tangibly expressed in better national security and capability in the critical-

ly important field of space and missile technology."

L. L. Colbert, President, Chrysler Corporation:

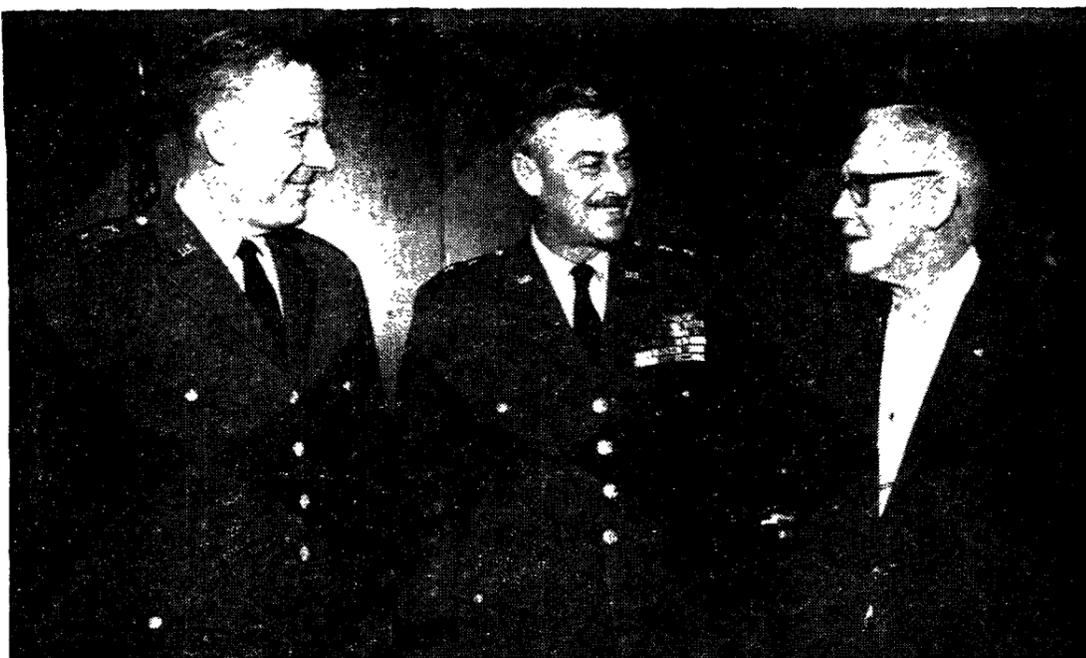
"I cannot help but be reminded of Oct. 4 and 5, 1957 when the Army proposed that the free world's first satellite could be launched within 90 days. Our confidence in you and in the Army has been based upon this type of character and ability to produce."

R. S. Reynolds, Jr., President, Reynolds Metals Company:

"I want to tell you of my own great respect for you and your accomplishments. It is my conviction that your great usefulness to your service and your country cannot end with retirement."

Dr. W. H. Pickering, Director, Jet Propulsion Laboratory:

"I have some personal knowledge of the cost you have paid in filling this assignment, in emotion, in sacrifice, in worry and in physical effort. The nation is better off as a result of your effort."



THE MAYOR CALLS — Mayor R. B. Searcy of Huntsville called upon the retiring Commanding General, U. S. Army Ordnance Missile Command, and his successor Jan. 26. Left to right: Major General August Schomburg, who will succeed to the command Feb. 1, Major General J. B. Medaris, who retires from active duty Jan. 31, and Mayor Searcy. The Mayor explained he wanted to welcome General Schomburg to his city.

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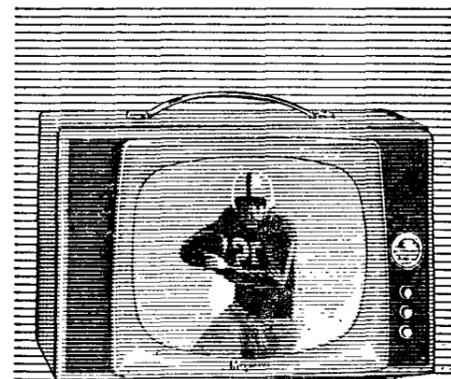
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17" PORTABLE

Entirely new and ultra slender portable television. Richly styled like fine luggage . . . truly beautiful from every angle. Optically filtered 155 sq. in. pictures are brilliantly clear, sharp, and steady. Complete TV enjoyment wherever you plug it in. Smart two tone brown and tan or charcoal gray color combinations.

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