

The Redstone Rocket

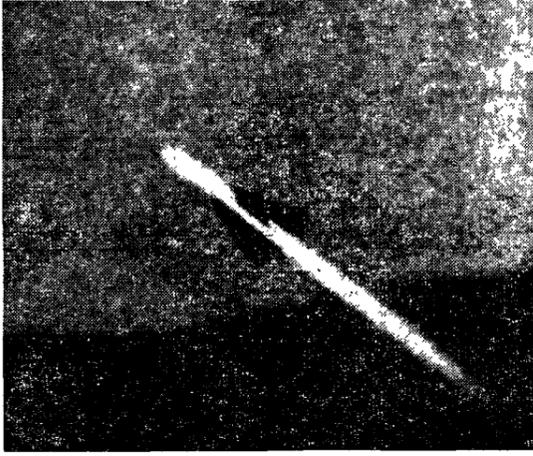
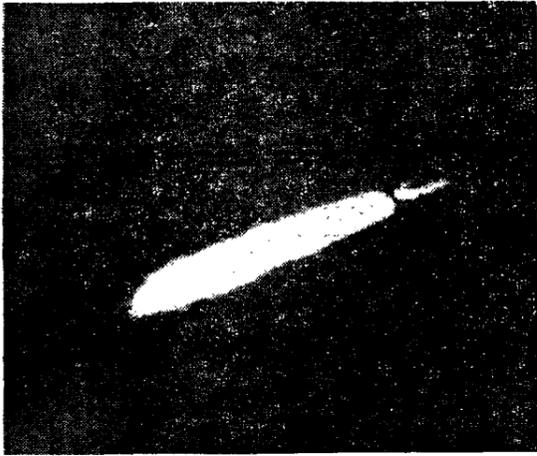
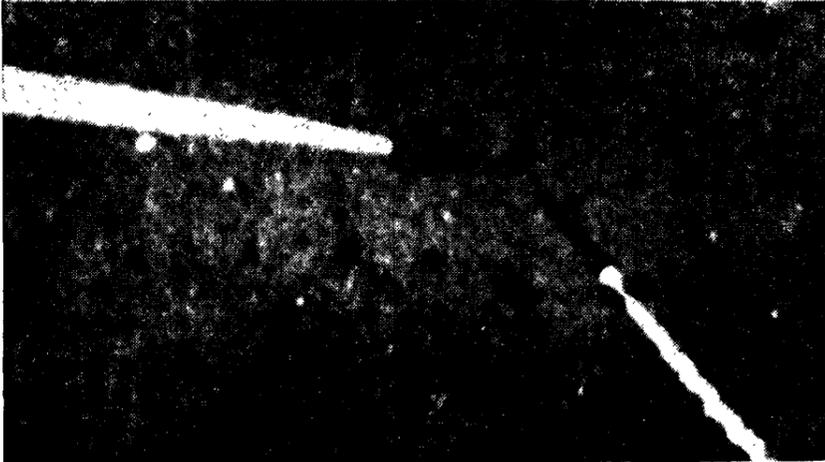
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VOL. IX; NO. 14

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

AUGUST 10, 1960

HIGH SPEED AND LONG RANGE stop-motion cameras captured the above launch, intercept and destruction of a Littlejohn rocket by a Hawk anti-aircraft guided missile at White Sands on July 27. The announcement of the successful intercept was made August 4 by the Department of the Army. In the below inserts, the Hawk (lower right streaks skyward to intercept the Littlejohn pictured (lower left) moments after its launch. The Hawk closes in on the incoming Littlejohn (center) and destroys it (top) at approximately 5,000 feet altitude. The Hawk, developed for the Army Rocket and Guided Missile Agency, is a dual-thrust solid propellant missile with an electronic homing guidance system. The solid fuel Littlejohn was one of seven surface-to-surface missile systems recently transferred from ARGMA to the Army Ballistic Missile Agency. Both ARGMA and ABMA are elements of the Army Ordnance Missile Command at Redstone Arsenal, Ala.



Gen. Schomburg Slated To Open AUSA's Drive

GEN. SCHOMBURG IS CHAIRMAN OF SCOUT ROUNDUP

Maj. Gen. August Schomburg, Commanding General of the Army Ordnance Missile Command Wednesday was named Chairman of the Tennessee Valley Council's 1960 Boy Scout Round-up program.

The program, designed to interest boys in scouting, will begin on September 1 and continue until Nov. 25. On Dec 3, all Boy Scouts who have recruited at least one new scout during this period will be invited, along with the new scouts, to attend an "open house" at Redstone Arsenal. Here they will be entertained by the Army and shown various phases of the Army's missile program.

Last year's Round-up resulted in the addition of approximately 1400 new scouts for the Council. It is anticipated that even more will join during the 1960 drive.

The Tennessee Valley Council includes the following North Alabama counties: Madison, Jackson, Cullman, Morgan, Limestone, Lauderdale, Colbert, Franklin and (See GEN. SCHOMBURG, Page 3)

Membership Chmn. To Meet on Monday In Rocket Auditorium

The Tennessee Valley Chapter of the Association of the United States Army will open its 1960 membership drive Monday morning, Aug. 15 at an 8:30 meeting in Rocket Auditorium. All persons designated by agency chairman to act as Division Chairmen, Branch Monitors or Solicitors are urged to attend the meeting.

Maj. Gen. August Schomburg, Commanding General of the Army Ordnance Missile Command will make the opening remarks. A. A. "Tony" Demetriou, President of the local chapter, will conduct the meeting.

Capt. Don Voorhees, chairman of the drive for Redstone Arsenal, has announced that the following persons have been named agency chairmen: AOMC, Major Fabian R. Andrews; ABMA, Lt. Col. Nathan I. Reiter; ARGMA, Capt. Milton C. Tieman; OGMS, Capt. Benjamin H. Penuel; and RSA, Mr. Franklin B. Dykes.

The drive will continue through Sept. 13, a day which has been proclaimed "General of the Arm- See AUSA on Page 2)

Hawk Repeats Earlier Feat

Littlejohn Is Shot From Desert Sky

WHITE SANDS MISSILE RANGE, N. M. — An Army Hawk, the guided anti-aircraft missile which intercepted and destroyed an Honest John unguided artillery rocket in trajectory, has repeated that feat against the smaller Littlejohn rocket.

The successful intercept, which occurred here on July 27, was announced Thursday by the Department of the Army.

Littlejohn served as a target for the Hawk, a mobile missile system designed to intercept aircraft at extremely low altitudes, in order to test Hawk ground radar capabilities against a supersonic target of very small size over a trajectory of limited duration.

The intercept took place shortly after Littlejohn was launched toward the Hawk battery. Hawk swooped in on its prey at about 5,000 feet altitude.

Hawk was developed by the Raytheon Company for the Army Rocket and Guided Missile Agency, an element of the Army Ordnance Missile Command at Huntsville, Ala. It is a dual-thrust solid propellant missile with an electronic homing guidance system. Nearly 17 feet long, Hawk is fired from a mobile launcher built to accommodate three missiles at once.

The Littlejohn target is 14 and a half feet long, about half the length of the Honest John. In cross section the solid fuel rocket is just over a foot in diameter.

The test was a continuation in

GEN. MEDARIS IS NAMED PRESIDENT OF TOY COMPANY

Maj. Gen. J. B. Medaris, (Ret.) has been named president of the Lionel Company, manufacturers of toy trains, according to an announcement made last week.

Gen. Medaris, formerly Commanding General of the Army Ordnance Missile Command, will also continue his duties as chairman of the board of Electronic Teaching Laboratories in Washington, D. C., and for the time being will continue to reside in Arlington, Va.

The Lionel Co. headquarters are at Newark, N. J. The company specializes in plastic toys and electronic equipment.

Maj. Potter Joins Judge Advocate Office Staff

Maj. Donald V. Potter was recently assigned as Deputy Command Staff Judge Advocate with the Army Ordnance Missile Command.

Maj. Potter studied a pre-law course at George Washington, D. C., and received his bachelor of law from American University, Washington. He later returned to American University and earned a master's degree in law.

Prior to entering the service as an enlisted man in 1942, the Ma-a series designed to prove out Hawk's capacity as a defense against fast-moving field army targets and is not directly associated with the development of an intercontinental ballistic missile defense system.

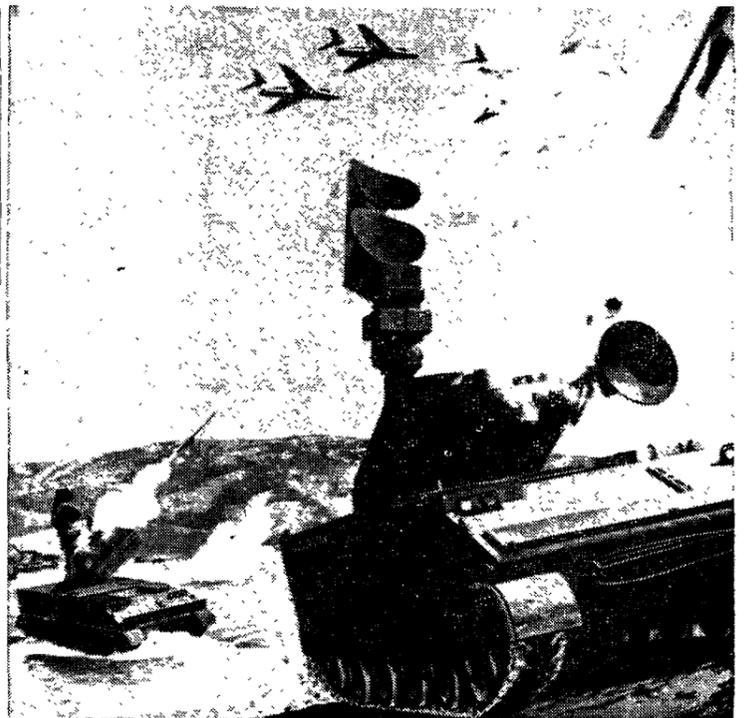
ciated with the development of an intercontinental ballistic missile defense system.

MAULER SYSTEM SKETCH RELEASED

Missile Is Designed To Destroy Short Range Missiles,

The Department of the Army Monday released an artist's concept of the Mauler air defense missile system now under development.

A highly mobile solid propellant weapon, the Mauler is de- (See MAULER on Page 7)



ARTISTS CONCEPTION OF MAULER MISSILE SYSTEM



BRIG. GEN. RICHARD M. HURST, commanding general, ABMA, receives his new rank insignia from Mrs. Hurst and Maj. Gen. August Schomburg, commanding general, AOMC, at promotion ceremonies Aug. 10. On returning to his own headquarters, Gen. Hurst was honored by military and civilian personnel of his command who crowded the approach to the building, and individually congratulated him on his promotion. Gen. Hurst has commanded ABMA since May of 1960.

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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The publisher will receive editorial content for publication in the Rocket only through the Public Information Office, Army Ordnance Missile Command, Redstone Arsenal, Alabama, Bldg. 4505, Extension 2722. All advertising copy and payments therefor are received by Mrs. Zillah Newsome, 311 Holmes Ave., N. E., Huntsville, Alabama, P. O. Box 346, telephone JE 4-4701, as representative of the publisher.

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TEST FACILITIES FOR NIKE ZEUS BEING BUILT

Huntsville, Ala., — New advanced test facilities for the Army's Nike Zeus anti-missile missile system are being constructed at Pt. Mugu, Cal., the Department of the Army announced today.

The Army will begin a series of Nike Zeus test firings at Pt. Mugu, headquarters of the U. S. Pacific Missile Range, early next year. The firings will test the missile over its maximum range with command guidance.

At a later date, test firings of the system will move to Kwajalein Island in the South Pacific, where the Army will fire Nike Zeus missiles against Atlas intercontinental ballistic missiles launched by the Air Force from Vandenberg Air Force Base, Cal.

The Western Electric Company, New York, N. Y., is prime system contractor under the technical supervision of the Army Rocket and Guided Missile Agency, an element of the Army Ordnance Missile Command at Redstone Arsenal, Ala. Bell Telephone Laboratories are responsible for the technical development of the system. Douglas Aircraft is responsible for developing the missile.

The new facilities include two surface launchers a weight and balance tower, three missile assembly buildings, a missile guidance building, a launch control building and a launch support shelter.

The eight story weight and balance tower is constructed of structural steel and corrugated asbestos siding. It rests on a foundation of concrete piling.

Framed with structural steel,

AUSA

(Continued From Page 1)
ies John J. Pershing Centennial Day" by President Eisenhower. During the drive, eight-foot models of the Pershing surface-to-surface missile with graphs show-

the missile guidance building has concrete block walls. The adjacent missile tracking radar pedestal, constructed of reinforced concrete, is mounted with concrete blocks to shield against atmospheric conditions.

The two surface launching facilities consist of launching rails mounted over reinforced concrete launching pads and glass deflector pits. The rails are hydraulically actuated to raise the missiles to the proper firing angles.

The launch support shelter, located between the two launchers, is a one story building which will house the necessary checkout equipment.

Four buildings — the launch control building and three missile assembly buildings — were modified from existing structures to meet the needs of the Nike Zeus program.

Construction at Pt. Mugu, located 60 miles north of Los Angeles, was done by the Dale-Benz Corporation of Phoenix, Ariz., under the supervision of the 11th Naval District. The Mobile Engineer District of the Army Corps of Engineers supervised the Ralph M. Parsons Company, Los Angeles, in the design of the facilities. These designs were developed from criteria submitted by Burns and Roe, Inc., New York, N. Y., to fulfill ARGMA's specifications. The Pt. Mugu installation has been released to ARGMA by the 11th Naval District.



JUNIOR CHOIR HONORS 'CHAPLIN'—The Girls Junior Choir last week honored Chaplain Allister Sinclair with a farewell party in the social room of the Post Chapel. The girls prepared a punch, cookie and cake surprise party. They were dismayed when they realized their sign was misspelled, felt better when Chaplain Sinclair joked about it. Kneeling at left is Leslie Gage; (standing, left to right) Mary Eifler, Susan Palmer, (back row) Gwen Roy and Kathie Conner, Chaplain Sinclair, (kneeling) Judy Nelson, Cheryl Anderson, (standing) Patricia Palmer and Nancy Nelson.

ing the number of new members and renewals received will be erected at various points on the Arsenal.

The Tennessee Valley Chapter of AUSA was formed in March 1959 and the first membership drive resulted in the enrollment of some 3,600 members, making the chapter one of the largest in the country.

Membership dues are \$5.00 per year and include a subscription to "Army" magazine.

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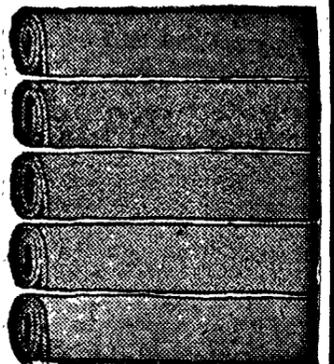
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INCENTIVE AWARDS

The following Redstone Arsenal personnel have been cited by the Incentive Awards Office and recently have received outstanding, sustained superior performance or other awards. They represent the Army Ordnance Missile Command and the Ordnance Guided Missile School here:

Outstanding

Villa H. King, Stock Control Clerk (Typing), Post Surgeon Division, RSA; Oscar C. Russell, Buildings & Grounds Manager, Post Engineer Division, RSA; James E. Spencer, Prog Mgmt Officer, Ind Div, ABMA; Hilda B. Buford, Clerk General, Ind. Div, ABMA; Opal D. Dawson, Mail & File Clerk, Ind Div, ARGMA; Frances Davidson, Secretary (Steno), Res & Dev Div, ARGMA; Genevieve B. Redpath, Admin Mgmt Spec, Control Officer, ARGMA; Dorothy S. Sherrill, Freight Traffic Officer (General), Trans Ofc., USAOMC; James B. Ellis, Supply and Maintenance Officer, Depot Opns, RSA.

Sustained Superior

James H. Ballard, Msle Sys Ind Mgmt Ofcr, Ind Div, ARGMA; Herbert Crowson, Supv GM Dev Cont Engr, Res & Dev Div, ARGMA; Geraldine S. Wright, Secretary, Fld Svc Div, ARGMA; Robert B. Hegwood, Mathematician, Msle Firing Lab, ABMA; Elsa M. Borgman, Clk Gen, Msle Firing Lab, ABMA; Barron Currin, Pers Mgmt Tech Civ Pers, ARGMA; Robert E. Turner, Ex Instr Mech, Ord Msle Labs Div, ARGMA; Davis W. Ryals, Tab Equip Opn Supv, Ind Div, ARGMA; Lonnie N. High-

tower, Msle Sys Ind Dir, Ind Div, ARGMA; Wesley E. Smith, Truck Driver, Operating Svcs Ofc, ARGMA; Fred Sayers, Admin Mgmt Officer (Programming) Cont Ofc, ARGMA;

Paul D. Sandlin, Tech Equip Supply Officer, Ord Msle Labs Div, ARGMA; Paul D. Barker, Tech Plans Officer, Control Ofc, ARGMA; Ernest K. Charlton, Jr., Tech Programs Officer, Control Ofc, ARGMA; Villa H. King, Stock Control Clerk (Typing) Post Surgeon, RSA; Freida A. Rice, Secretary (Stenography), Comptroller, USAOMC;

Jean S. Roberts, Supv Teletypist, Post Signal Division, RSA; Orval D. Proctor, Engineering Designer, Post Engineer Division, RSA; Wallis C. Rainwater, Supv Res Engr, Msle Firing Lab, ABMA; Hilda B. Buford, Clerk General, Ind Div, ABMA; James E. Spencer, Prog Mgmt Officer, Ind Div, ABMA; Patricia L. Dunmyer, Secretary (Steno), Ind Div, ABMA; Genevieve B. Redpath, Admin Mgmt Spec, Cont Ofc, ARGMA;

Frances Davidson, Sec (Steno), Res & Dev Div, ARGMA; Opal D. Dawson, Mail & File Clerk, Ind Div, ARGMA; David O. Hayles, Admin Officer, Control Ofc, ARGMA; John F. Neely, Jr., Fac & Resources Officer, Ind Div, ARGMA; Harold Baker, Material Segregator & Classifier, Ind Div, ARGMA;

Cleo S. Cason, Librarian (Admin), Ord Msle Labs Div, ARGMA; Raymond C. Duncan, Pers Sec Spec, Ord Msle Labs Div, ARGMA; Richard E. Ely, Mech Engr, Ord Msle Labs Div, ARGMA; Abron Hyter, Jr., Truck Dri-

Maj. Potter

(Continued From Page 1)

vor spent three years in private law practice in Washington.

He received his commission in 1943, and was integrated into the regular Army in 1949.

Maj. Potter is entitled to wear the Bronze Star Medal, which he earned in Korea in 1952, and the Army Commendation Medal which he received at Fort Myer, Va.

The Major is married to the former Miss Harriet Rogert of Blair, Neb. They have four children, Linda, 14; Nancy, 13; Donald, Jr., 12; and Eric, 7.

Richard T. Russell, Jr., Truck Driver, Post Trans Div, RSA; Ralph O. Lister, Automotive Equip Operator Gen Foreman, Post Trans Div, RSA;

James C. Hoskins, Jr., Gen Supply Officer, Msle Firing Lab, ABMA; Margaret R. Richter, Secretary, Control Office, ABMA; Beverly S. Stewart, Secretary, Ind Div, ABMA; Jane H. Jones, Secretary, Control Ofc, ABMA; Wanda Williams, Secretary, Control Ofc, ABMA;

Russell D. Shelton, Physicist, Res Proj Lab, ABMA; Elva L. Reitzel, Clk-Gen (Steno) G & C Lab, ABMA; George L. Filip, Tool Die and Gage Mkr., G&C, ABMA; Claude C. Beaton, Instrument Mkr Leader, G & C Lab, ABMA.

Other Awards

Special Act or Service: Eddie Dean, Pipefitter Lead Foreman, Post Engr, RSA; Joseph C. Haney, Steamfitter, Post Engr, RSA; Junior F. Prince, Steamfitter, Post Engr, RSA; Theo M. Simmons, Steamfitter, Post Engr, RSA; Ralph L. Smith, Steamfitter Apprentice, Post Engr, RSA.

Group Invention Disclosures: William C. McCorkle, Jr., Msle Dev Engr and Robert C. Conard, GM Design Engr, Ord Msle Labs Div, ARGMA; William C. McCorkle Jr., Msle Dev Engr and Ro-



WELCOME TO AOMC — Maj. Gen. William K. Ghormly (left), Commanding General of the Army Ordnance Special Weapons Ammunition Command, is greeted by Maj. Gen. August Schomburg, Commanding General, Army Ordnance Missile Command, during his recent visit to Redstone Arsenal. General Ghormly was here for a series of discussions on the mutual responsibilities of OSWAC and AOMC.

Gen. Schomburg

(Continued From Page 1)

Lawrence. Robert L. Haskins of Huntsville is Scout Executive for the Council.

General Schomburg has invited more than 60 community and civic leaders from the nine counties to attend an organizational dinner meeting at Redstone Arsenal on Aug. 17. An outline for the program will be presented at that time.

"ONE ARMY" FACT: Extra-tough soldiers who must qualify both as rangers and paratroopers are being assigned to Special Forces Operational Detachments in the Army National Guard.

Children: Bring 'em up—don't run 'em down.

bert G. Conard, GM. Design Engr, Ord Msle Labs Div, ARGMA.

Invention Disclosure, Fritz K. Mueller, Aero Res Admin, G&C Lab, ABMA.

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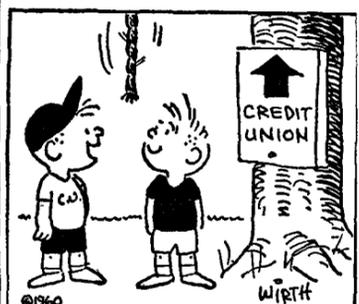
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Social News

At the Service Club

DANCE CLASSES: Come out to the Cha Cha Cha and Jitterbug Dance classes on Aug. 10. Let Mr. Doeffinger show you the basic steps for these two popular dances. The Cha Cha Cha Dance Class starts at 1930 hours and the Jitterbug Dance Class starts at 2030 hours.

DANCE: Everyone enjoyed the dance on July 26. The Hilding Holberg Orchestra furnished the music. If you missed this big dance, check your Service Club Program so you won't miss the August dances.

PATIO PARTY: Dance on the Patio to your favorite records on Aug. 14, at 1930 hours. The Huntsville Hostesses will be there to "Cut a Rug" with you. Bring along your favorite records and join in the fun.

BIRTHDAY CAKE DANCE: The Huntsville Hostesses made delicious cakes for our Birthday Cake Dance on July 31. The highlight of the dance was the drawing for the Junior Hostess of the Month Contest. Dot Worley's name was drawn; therefore, she will be the honored guest for one of the August dances.

BRIDGE CLASSES: Try your hand at the fascinating game of bridge on Aug. 11, at 1930 hours and Aug. 16, at 2015 hours. This is a game that everyone should learn to play.

TOURNAMENTS: Prove how

skillful you are at the game of Shuffleboard by entering the Shuffleboard Match on August 11, at 2000 hours. A prize will be awarded to the winner.

The Cribbage Tournament should be a challenge for all successful cribbage players. The Tournament starts at 1800 hours on Aug. 14.

POST-WIDE POOL TOURNAMENT: By all means don't miss the Post-Wide Pool Tournament which starts at 1900 hours on Aug. 16. The Semi-Final and Final Pool Tournament will be held at 1900 hours on Aug. 17.

DECK SHUFFLEBOARD: Deck Shuffleboard can be so much fun. If you don't want to miss out on the fun, come and play Deck Shuffleboard on the Patio at 1800 hours on Aug. 13.

MONTE CARLO NIGHT: Try your hand at Blackjack, Poker, and Roulette at the Monte Carlo Party on Aug. 12, at 2000 hours. Prizes will be awarded to the winners. The Huntsville Hostess will assist with the games and serve refreshments.

Betty

Sojourners to Meet

Redstone Chapter 353 of the National Sojourners will hold a dinner meeting Friday night at the Squirrel Hill Officers Club at 6:30 p. m.

This is the regular meeting

ABMA Is Sponsoring A 'Get Acquainted' Picnic on Sunday

Civilian and military personnel of ABMA's Research and Development Operations are planning a "get acquainted" picnic Sunday, Aug. 14 at the Redstone Arsenal Tennessee River picnic grounds. The picnic will start at 2 p. m.

Entertainment and games have been planned to include volley ball, badminton, horse shoe pitching, soft ball, boating and other sports. The organizers also suggest bringing folding chairs and tables if the more sedentary prefer cards, chess or other sitdown activities.

There is a boat launching platform but swimming and water skiing are prohibited in the area adjoining the picnic area.

The Noncommissioned Officers Club will cater the lunch. No collection will be made in advance for food. The "News for You" boards in ABMA have further details of this picnic.

Lt. Canja to Speak To Exchange Club

Lt. Safron S. Canja, Technical Operations Officer for the Army Rocket and Guided Missile Agency's Control Office, was the guest speaker at the Birmingham Exchange Club of Norwood Aug. 4. The dinner meeting was to be held in the Colonial Room at the Bankhead Hotel.

Lt. Canja, who discussed the Army's missile program, is a graduate of Ohio State University with a Bachelor of Science degree in Education.

Mrs. Lowers Wins At Party Bridge

The Bridge Group of the Arsenal Officers Wives Club had four tables in play last Thursday.

Winners were Mrs. H. R. Lowers, first, and Mrs. S. J. Dobbs, second.

Reservations may be made to play this week by calling Mrs. A. Y. Harper, Jr., JE 9-2606 by noon today.

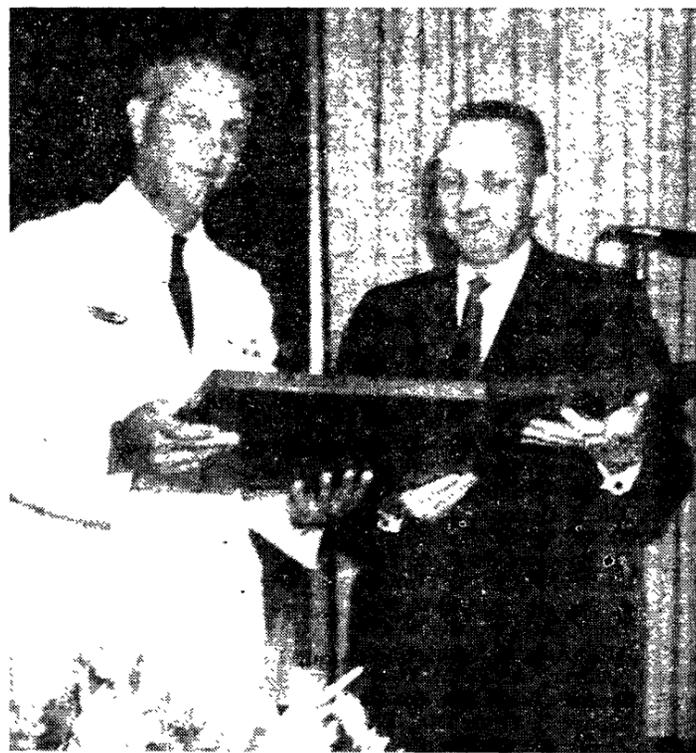
Mrs. Henderson to Be Garden Club Speaker on Tuesday

Mrs. George A. Henderson, Town and Country Garden Club, Huntsville, will discuss roses at the meeting of the Redstone Arsenal Officers Wives Garden Club scheduled at the Squirrel Hill Officers Club at 8 p. m. on Aug. 16.

Another guest from Town and Country Garden Club will be Mrs. Walter Dolle.

Prospective members of the Redstone Officers Wives Garden

which was originally scheduled on Aug. 5 and will be open to members and their guests.



RECEIVES PLAQUE—Lt. Col. Frank Napper (left), receives a plaque presented by A. A. Stewart on behalf of the employes of the Field Service Division, ARGMA, during a farewell party for the colonel at the Elks Club last Friday night. Col. Napper has been the director of the Field Service Division since June, 1956. The original title was chief, and was changed to director in 1958. Stewart is the deputy director. Col. Napper is scheduled for duty in the Far East.

Lt. Col. Graham, Mrs. Garrabrant Win at Party Bridge

At a party bridge Monday night (Aug. 2) at the Squirrel Hill Officers Club, there were seven tables in play.

The winners were:

Men: Lt. Col. Erwin Graham, first; CWO Andrew Garrabrant, second.

Women: Mrs. Andrew Garrabrant, first; Mrs. Bobby Bierig, second.

Club have been asked to contact Mrs. R. F. Husa, ext. 58448 for information.

second.

Reservations to play with the group may be made with Mrs. John Severeid, Arsenal, ext. 5-78-41 by Saturday noon.

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Donna McDuffie, age 2, is one of the Gay-Mar models who will show clothes for the Chapman Heights Garden Club desert bridge to be held at the V. F. W., Aug. 16 at 12:30. This show promises to be the largest ever shown in Huntsville and includes costumes to be shown from nine local merchants.

Costumes range from Tots through the mature fashions including male and female.

Tickets may be obtained from the Gay-Mar Modeling School — From Mrs. Parker at JE 6-0568 or Mrs. McDuffie at JE 9-4105 . . . Also Mrs. Jankowski, president of the Chapman Heights Garden Club or any member of the Chapman Heights Garden Club.



RECEPTION LINE — Brig. Gen. and Mrs. Richard M. Hurst received more than 300 members of the Army Ballistic Missile Agency and other elements of the Army Ordnance Missile Command on Saturday night at the Squirrel Hill Officers Club. The Commander's Reception was held following the general's recent promotion to his present rank. In addition to civilian and Army personnel were liaison representatives of industry and other services. The reception line (left to right) are: Lt. Richard Nidever, acting aide de camp; Gen. and Mrs. Hurst and Mrs. Nidever.

- wood Designs."
- Melady, John H., "The Home Owners' Complete Garden Handbook"
- Mikes, George, "The Hungarian Revolution."
- Platt, Raye R., "Finland and Its Geography."
- "The Praeger Picture Encyclopedia of Art."
- Reilly, David R., "Portrait Waxes."
- Rettinger, Michael, "Practical Electroacoustics."
- Reynolds, Helen (Baker), "Gold, Rawhide and Iron"
- Roper, Lanning, "The Gardens in the Royal Park at Windsor"
- Rose, Ronald, "Living Magic"
- Rosenthal, Irving, "The Art of Writing Made Simple"
- Sanderson, Ivan T., "The Monkey Kingdom."
- Schneider, Josef A., "Child Photography Made Easy."
- Short, Ernest H., "Sixty Years of Theatre."
- Stirling, Anna, "Ghosts Vivisected"
- Taylor, Eva F. R., "The Haven-Finding Art."
- Thorpe, Merle H., "The Greatest Opportunity in the World: Selling"
- U. S. Military Academy, "The West Point Atlas of American Wars."
- Vermes, Geza, "Discovery in the Judean Desert."
- Whitford, Robert C., "Concise Dictionary of American Grammar and Usage."
- Wilde, Jean T., "The Romantic Realist: Caroline de la Motte Fouque."
- Williams, Gluyas, "The Gluyas Williams Gallery."
- Williams, Neville, "Powder and Paint."
- Women's Cub of Havana, "Flowering Plants From Cuban Gardens."
- Woods, Ralph L., "A Treasury of Friendship."

Post Library

BY ANNA L. FARRAR, Librarian

- Alsop, Joseph, "The Reporter's Trade."
- Better Homes and Gardens, "Decorating Ideas"
- Bjerkoe, Ethel H., "The Cabinetmakers of America."
- Bradshaw, Percy V., "Water-colour."
- Bunker, Milton N., "Handwriting Analysis."
- Chamberlain, Samuel, "Soft Skies of France."
- Chatfield, Herbert W., "Varn-

ished Cloths for Electrical Insulation."

- Comstock, Helen, "The Concise Encyclopedia of American Antiques."
- DeRopp, Robert S., "Man Against Aging"
- Duvoisin, Roger A., "One Thousand Christmas Beards"
- Fadiman, Clifton, "Party of One."
- Fellig, Arthur, "Naked Hollywood."
- Fletcher, Ifan K., "Splendid Occasions in English History."
- Gardens and Gardening, "The Studio Garden Annual, vol. 6"

- Griffin, Thomas F., "Practical Worsted Combing."
- Grigson, Geoffrey, "Ideas."
- Huxley, Gervas, "Talking of Tea."
- Johnson, Clay, "Your Pilot's License."
- Jones, William H. S., "The Cape Horn Breed."
- Knight, Arthur, "The Liveliest Art."
- LeConte, Emma, "When the World Ended: Diary"
- Lockwood, Luke V., "Colonial Furniture in America"
- Lyons, Norbert, "The McCormick Reaper Legend."
- McCullough, Edo, "Good Old Coney Island."
- Macht, Carol, "Classical Wedg-

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ARRIVE FROM WEST POINT—Instructors in the Earth, Space and Graphic Sciences at the United States Military Academy, West Point, N. Y., arrive here Friday night for a combined weekend of recreation and a two-day orientation at the U. S. Army Ordnance Missile Command and the George C. Marshall Space Flight Center. During the weekend a picnic, tour and reception were planned. Monday the group visited the Space Cen-

ter and Tuesday were guests at AOMC to study missile management and systems. Left to right (front row) are: Lt. R. M. Renfro, Capt. J. E. Fox, Capt. W. F. Ulmer, Capt. R. W. Snyder, Capt. J. H. Hesterly; (second row, left to right): Capt. J. R. Brinkerhoff, Mr. T. B. Nicholson, Capt. J. R. Stuart, Col. L. E. Schick, Col. C. R. Broshous, Capt. R. Sherman, Capt. R. B. Moore, and Capt. E. H. Birdseye.

Driver Training Is Planned for Traffic Violators on Arsenal

Employees having accidents in their cars or government vehicles, and other drivers attached to the Arsenal, may have to go to school if they have an accident according to a recently published procedure for the Missile Command.

The school will be operated by the Redstone Arsenal Safety Division under the supervision of Dillard Womack, and will consist of a ten hour course for traffic violators or others who appear on the Military Police blotter. Capt. Darrel D. Kasson, Military Police Operations Officer, will report violations to the Safety Office, and the Safety Office will schedule the school monthly or as needed.

The driver training course is outlined as a one-hour introduction to the Army Safety program in general and the Redstone Arsenal program in particular, causes of motor vehicle accidents, driver attitude (two hours), the art of driving (two hours), skills on the highway (two hours) and specific traffic problems (two hours).

Three Science Fair Winners Visit Here

There is nothing unusual about two teen-agers getting together for a friendly conversation. But when words like "electron tube," "ultraviolet light," and "survival on Mars" begin to float out of dis-

ussion, heads start turning to see who is doing the talking.

At Redstone Arsenal this morning, heads were turning in the office of Chief Scientist Dr. W. W. Carter when David J. Wilson, Jr., of Athens, Alabama, and James K. Bramblett of Lafayette, Indiana, started talking about their favorite subjects — Science and engineering.

Wilson, 19 year old son of Dr. and Mrs. David J. Wilson, and Bramblett, 18 year old son of Mr. and Mrs. Ardrey M. Bramblett, both won second place awards at the National Science Fair in Indianapolis last May. Wilson's exhibit was titled "Survival on Mars" and Bramblett exhibited an "Ultraviolet Flying Spot Microscope."

The two visited Major General August Schomburg, Commanding General of the Army Ordnance Missile Command, in addition to

talking with Dr. Carter.

David Wilson is one of 15 American high school students who will participate in the Berlin Industries Fair, Berlin, Germany, September 17. He is planning a career in engineering and is employed this summer by the Brown Engineering Company of Huntsville. At Athens High School, he was a member of the National Honor Society, a delegate to Boys State, an Eagle Scout and salutatorian of his 1960 graduating class.

Jim Bramblett has spent the past week touring the Army's rocket and missile activities at Redstone Arsenal. He was given the tour for winning the Army Science Award at the National Science Fair. He plans a career in electronic research. Following his graduation from Lafayette High School next spring, he will enter Purdue University. He is a member of his high school orchestra and choir and his hobbies include the study of minerals, music photography and amateur radio operations.

A third student from West Hartford Connecticut visited last week.

He is Donald F. Carpenter, 17-year-old National Science Fair winner, who also talked to Gen. Schomburg and Dr. Carter during his one-week tour of the Arsenal.

Carpenter, who won first place in the physical sciences division of the National Science Fair in Indianapolis in May, received

the trip to Redstone for winning the U. S. Army Science Award. His exhibit showed the "Aerodynamics and Thermodynamics of a Counterflow Vortex Tube."

He is a student at William Hall High School in West Hartford.

Wife: "Since God created woman after man, it must follow that we females are an improvement over the original model."

Husband: "Oh, come now. My theory is that God had a very good reason for making woman after he made man—he didn't want any advice."

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Mauler

(Continued From Page 1)

signed to destroy short range enemy ballistic missiles and rockets, and high performance tactical aircraft that bomb, strafe, harass or reconnoiter near forward battle area positions.

The Army Rocket and Guided Missile Agency has overall charge of Mauler development. Convair Division of General Dynamics Corporation, Pomona, Calif., is the development contractor.

It is anticipated that any future enemy will use modern jet aircraft in close support of his own forward units, and Mauler weapons, a part of the Army's modernization program, will be a powerful answer to that threat of attack.

Each Mauler fire unit will be contained entirely on a self-propelled chassis of a standard design. This unit will be capable of delivering accurate fire even while moving. This characteristic conforms to present Army policy to give a high degree of mobility to all its new weapons systems, so that the enemy is not presented with targets which are fixed or anchored to the ground.

The Mauler fire unit will be light enough to be carried by fixed wing aircraft or helicopter, and to be dropped by parachute



CERTIFICATE OF ACHIEVEMENT—Maj. Gen. J. A. Barclay (right), Deputy Commanding General of the Army Ordnance Missile Command, presents his former aide de camp, Lt. Conrad C. Ege a certificate of achievement. The recent ceremony took place before Lt. Ege's departure on leave. Lt. and Mrs. Ege are visiting his parents in Tucson, Ariz. They have 30 days before he goes to Purdue to study industrial management. The lieutenant is a '51 graduate from the U. S. Military Academy who has earned his "jump wings" with the Airborne, has had Ranger training, and earned Army flight wings.

Births at Post Hospital

Erroneously omitted from last week's list:
Pamella Suzan Barkett, 10 lbs.,

in the battle area. Each Mauler fire unit will contain a power supply, target detection and electronic computer fire control equipment as well as its own basic load of missiles. The surface-to-air Mauler missile will be pre-packed in light weight cases that will serve both, as shipping containers and as launching tubes.

One man will be able to operate the Mauler fire unit.

1½ ozs., July 21, daughter of SP4 and Mrs. Thomas Barkett Jr.
Becky Lynn Saylor, 6 lbs., 6 oz., July 29, daughter of Capt. and Mrs. Dennis B. Saylor.
Willa Esther Seldon, 5 lbs., 15½ ozs., July 31, daughter of M-Sgt. and Mrs. Fletcher E. Selon.
James Markham Frye, 7 lbs., 7½ ozs., July 31, son of Sgt. and Mrs. James W. Frye.
Kim Dian Andreoli, 5 lbs., 5¼

BALCH IS NAMED TO RESOLUTIONS COMMITTEE, AUSA

Washington, D. C. — Jackson Balch has reported to Lt. General

Milton G. Baker, President of the Association of the United States Army, as a member of the Association's Resolutions Committee for its 1960 Annual Meeting, now in progress. Balch is employed by ARGMA Research and Development Operations.

ozs., August 1, daughter of SFC. and Mrs. John W. Andreoli.

Tonya Renee Adams, 6 lbs., 14¼ ozs., August 1, daughter of SFC. and Mrs. Harmon D. Adams.

Peter Evan Dickerson, 7 lbs., 4¼ ozs., August 2, son of SP4 and Mrs. Paul E. Dickerson.

Bryan Douglas Craft, 5 lbs., 13½ ozs., August 2, son of SP5 and Mrs. Arthur L. Craft.

Kathi Jo Troy, 6 lbs., 5¼ ozs., August 2, daughter of Sgt. and Mrs. Billie L. Troy.

Don Otto Smith, 8 lbs., 12 ozs., August 3, son of Seaman 3-c and Mrs. Clyde O. D. Smith, Jr.

Terry Daniel Lindsey, 6 lbs., 5 ozs., August 3, son of T-Sgt. and Mrs. Ottis G. Lindsey.

Balch, who represents the Tennessee Valley Chapter, is one of the twelve members of the Committee, which is charged with writing platforms for Association action during the next twelve months. The twelve Committee members were selected from among the Association's 66,000 members.

"Mr. Balch," said General Baker, "is one of the key officials of this most important activity of AUSA's year. We are fortunate indeed to have a man of his background and accomplishments give so freely of his time and energy to further our country's defense effort."

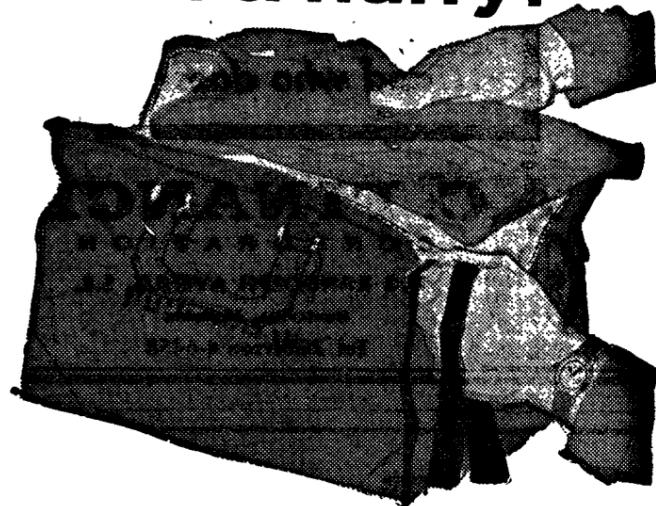
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100	\$ 5.74	\$ 7.27	10.04	18.45
150	8.61	10.90	15.06	27.68
200	11.48	14.54	20.09	36.91
300	16.93	21.54	29.87	55.09

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WATER SAFETY AIDES QUALIFY

Three qualifying phases in life-saving and water safety must be accomplished before attaining the title of water safety aide.

First, the swimmer must qualify as a junior or senior lifesaver (according to age), passing from this category to advance swimmer; with greater endurance and ability, the advance swimmer becomes a water safety aide.

The following qualified as water safety aides at Redstone Arsenal pool: Linda Schuppener, Jack Dempsey, Katherine Conner, Mike Metcalf, Buck Applewhite, Leonard Stanley, Nickey Ashley and Bill Wynn.

The second half of a six week period for the Brownie, Cub Scout and Girl Scout program which began on June 20th, closed on Friday, July 29th. The program was sponsored by the Joint Activities Council. During the past three weeks, 181 Military Children participated with 164 qualifying for

awards this period.

Red Cross certificates were presented by Mrs. Peter L. Horne, Jr., Volunteer Red Cross Water Safety instructor. Maj. Merle Ashley, Cub Scout neighborhood Chairman, awarded the pins and Mrs. Richard Butt, Girl Scout neighborhood Chairman, gave the qualified swimmers their emblems.

Mrs. J. H. Davitt, on Post Chairman of Red Cross Volunteers, presented Mrs. Peter L. Horne, Jr., with a 20 year Red Cross pin, thanking her for her many years of service and countless accomplishments.

The final course of the Joint Activities Council Swimming Program under the direction of the Special Services Division was completed on Friday, Aug. 5th at the Post Swimming Pool with 81 dependent children passing test requirements.

Lt. Col. Donald C. Maliskey, Chairman of JAC, presented the Red Cross certificates to qualified beginners and Sgt. John Cammack, NCOIC, awarded the Red Cross

Baseball Standings

Team	W	L
Hq Det, USAG	10	2
School Troops, OGMS	10	3
UTC	6	7
Det B, ABMA	0	14

Games — 1st Aug-6th Aug
4 Aug, UTC defeated Hq Det, USAG 8-7.

4 Aug., School Troop defeated Det B, ABMA by forfeit 7-0.

Baseball Schedule

Aug 6, 1700—School Troops, OGMS vs. UTC.

1930 — Hq Det, USAG vs. Det B, ABMA.

Aug. 10, 1800 — School Trp., OGMS vs Det B, ABMA.

2030, UTC — vs Hq Det, USAG.

Aug 12, 1800 — Sch Trp, OGMS vs Hq Det, USAG.

2030 — Det B, ABMA vs UTC.

Aug 13, 1930 — Hq, USAG vs UTC.

Aug 14, 1930 — Hq Det, USAG vs Sch Trp, OGMS.

SOFTBALL STANDINGS

(Final Week)

American League

Team	W	L
Hq Det, USAG	22	2
Co 'A' OGMS	16	8
1st ETC	16	8
AOMC Officers	9	16
Sig Det	8	17
Med Det	3	22

National League

UTC	19	6
NCO Club	17	7
Det 'A' ARGMA	15	10
Det 'B' ABMA	12	12
OGMS Officers	9	16
3rd ETC	2	23

Games Aug 1 - Aug 6

Aug. 1: Hq Det USAG defeated AOMC Officers 13-3.

1st ETC defeated Sig Det 12-3.

NCO Club defeated Det A, ARGMA 7-0.

Hq Sch Trp defeated Det 'B', ABMA 16-13.

Aug. 2: — NCO Club defeated UTC 7-6.

Det 'A' ARGMA defeated 3rd

pins.

The swimming classes were divided into two age groups; 5 and 7 were instructed from 10 a. m. to 11 a. m. daily excluding Saturday and Sunday, for three weeks; the older group of children ages 8 to 13 were instructed from 9 a. m. to 10 a. m. Outstanding children were Steve Johnson and Janice White.

The instructional program organized for dependent children not affiliated with Arsenal organizations, is under direction of Sgt. John Cammack, chief instructor, who was assisted by the following water safety instructors: Pfc. Richard Budd, Pfc. John Boyland, SP5 Michael Dorsey, Pfc. John Williams, Pfc. Samuel Whitten and SP4 Churchill Road.

Bantam Bowlers to Hold Banquet Tues.

A banquet honoring members of the Redstone Batam Bowling League will be held Tuesday, Aug. 16, at 6:30 p. m. in the Post Chapel social rooms.

Sponsored by the Arsenal Youth Activities Group, the local league placed 257th out of approximately 2,000 which participated in the nation-wide "mail-o-matic tournament" conducted by the American Junior Bowling Congress. Forty-three boys and girls from 10 to 12 years old bowled a season of 36 games in the league.

Presentation of awards will follow the buffet style dinner.

ETC by forfeit 7-0.

Aug. 3: — NCO Club defeated Hq Sch Trp 6-4.

Det 'A' ARGMA defeated Det 'B' ABMA 24-3.

Master of ceremonies for the affair will be Capt. Edward J. Ottman. Lt. Col. Edward J. Kloes will deliver the welcoming address, with Lt. Col. Raymond Hansotte making the presentation of awards. The invocation and benediction will be given by Chaplain James H. Goewey.

Individual trophies will go to members of the first place team, "The Turkeys," Kip Jean, Carl Schoen, Oscar Hufnagle and John Billings. Also receiving awards will be members of the "Kingpins", the second place team composed of Shanny Dowling, Brian Lee, Bill Morrison and Tom Doolley, as well as third place team members of the "Pin-splitters"—Suzan Palmer, Sarah Napper, John Jaffe and Duncan Calvert.

An award for "most improved bowler" will be presented to Norman Ott who raised his score 50 points during the past season.

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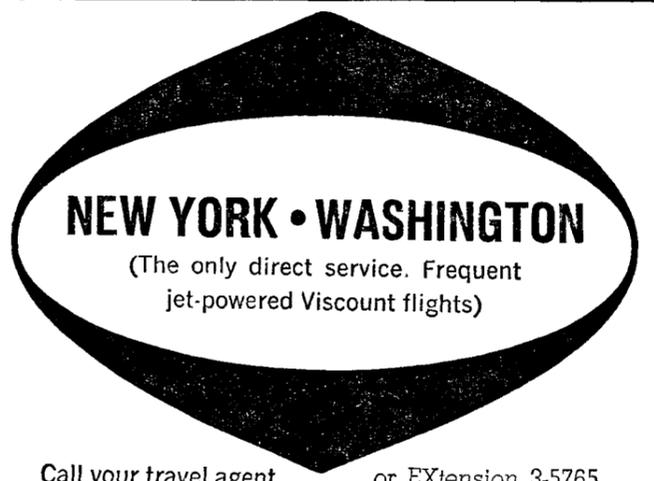
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CAPITAL AIRLINES



SITTING PRETTY on a limb over the Tennessee River is this week's pert Rocket pinup. She is Miss Marjorie Beene, 19-year-old summer employe in the Review Branch of ARGMA Control. This Fall she will enter Mercer College to study music. A graduate of Warner-Robins (Ga.) High School, she also bears the title: Miss Warner Robins 1960. Marjorie, who plays the oboe and clarinet, also sings. This Summer she is enjoying water skiing at Guntersville Lake, near where she lives. Vital statistics include sparkly blue eyes, blonde hair, 5 feet 2 inches, 34-24-35.

1960 ALL-STAR TEAM IS PICKED

All-Star Teams Will Represent Arsenal At Third Army Meet

Redstone's 1960 All-Star Baseball Team was selected last week during a meeting of coaches and officials of the baseball league.

Lt. Edward O. Buckbee, Sports Officer, coordinated and approved the nominations for the 1960 teams with Sgt. Anthony Croce and Sgt. Minos J. Campbell appointed as managers of the squad.

All-Star players, who are at this station and can be released, plus other league players selected by All-Star Team managers, will represent Redstone Arsenal at the Third Army Tournament to be held Sept. 19-23, at Ft. Benning, Geo.

The following men were nominated to All Star berths:

FIRST TEAM

Catcher, Pfc Roger Peterson—School Troops, OGMS.

First Base, Sp/5 Morris M. Smith — Hq Det, USAG.

Second Base, Pfc Lawrence Svoboda — Hq. Det, USAG.

Third Base, Pfc Tom Leonard—UTC.

Short Stop, Sp/4 Pete Matienzo — Hq Det, USAG.

Outfield, Pfc Hugh Bass — Hq. Det, USAG.

Outfield, Pfc John Andree — School Troops, OGMS.

Outfield, Pfc Leroy McElhinny — Hq. Det, USAG.

Pitcher, SP/4 Earnest Pharr—Hq. Det, USAG.

Pitcher, Pfc Kenneth Hunsicker — School Troops, OGMS.

SECOND TEAM

Catcher, Sp/4 Jerry Allen — Hq Det, USAG.

First Base, Sp/4 Dom Crocitto — UTC.

Second Base, Sp/4 William Mil-

SIX CAN CROW, THEY BEAT MAC, THE GOLF PRO

Six lady golfers beat the pro during the tournament sponsored by the Golf Group of the Officers Wives Club on Wednesday (Aug. 3), at the Arsenal golf course.

The six are now wearing pins inscribed: "I beat Mac."

They are: Mrs. C. J. Payne, Mrs. E. J. Kloos, Mrs. G. P. Levy, Mrs. J. N. Jean, Miss Lynda Holmes,

ler — School Troops, OGMS.

Third Base, Pfc Mike Kalafsky — School Troops, OGMS.

Short Stop, Sp/4 Robert Rock — School Troops, OGMS.

Outfield, Pfc Ronald Norton — School Troops, OGMS.

Outfield, Pfc Henry Horsman — Hq Det, USAG.

Outfield, Sp/4 Tom Grego — UTC.

Pitcher, Pfc. Robert Schlett — School Troops, Ogm.

Pitcher, Pfc Skip Fuller — UTC.

Manager, Sgt Anthony Croce — Hq Det, USAG.

Manager, Sgt. Minos J. Campbell—School Troops, OGMS.

Coach, Sp/4 Michael Cassiday — Hq Det, USAG.

and Miss Kay McClure. James E. McClure, the Arsenal golf pro, played the ladies with handicaps established earlier in the season. McClure shot 38.

Next week, Aug. 17, the group will play a Blind Partner tournament.

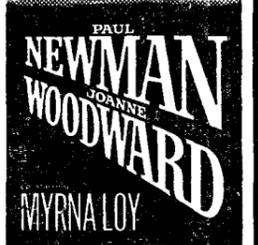
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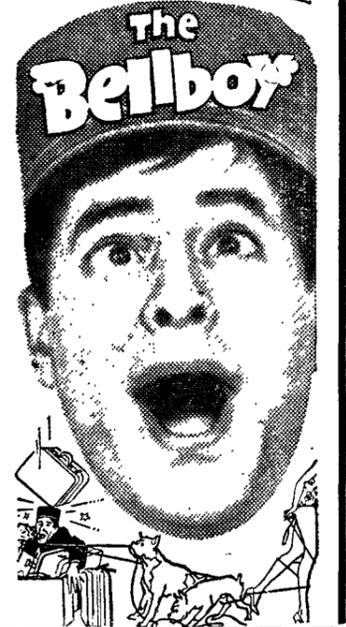


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HONORED AT OGMS—Being congratulated by Col. Charles W. Eifler (right), commandant at OGMS, is Maj. Milton B. Christian, Capt. Benjamin Penuel looks on at center. Presently chief of the Air Defense Missile Division, Christian received a certificate of achievement for outstanding performance of duties while serving as the deputy chief of the division. He is a native of Birmingham, Ala., and entered the Army in January of 1942.

SOFTBALL PLAYOFF BEGAN AUGUST 8

The 1960 playoffs for softball began Aug. 8 to determine the post champions.

Playoff being a double elimination type tournament have the following teams: Headquarters Det., USAG; Co. A, OGMS; First ETC, AOMC officers, UTC, OGMS

NCO Club, Det. A, ARGMA; and Det. B, ABMA.

Games will be played on Monday, Tuesday, and Thursday starting at 1800 and 1930 hours on fields 1 and 2.

In the opening round Monday night UTC met AOMC officers and NCO Club Det. A, ARGMA in the early contest. Headquarters Det., USAG met Co. A, OGMS and First ETC met Det. C, ABMA

Yankees Win Flag Pirates Are Second

The Yankees gobbled up their three last opponents to proclaim themselves 1960 Minor League Champions. The Champions from Redstone Park tasted defeat only once this year; at the hands of the second place Pirates.

This week's play saw the Tigers move into a second place tie with the Pirates only to be displaced by the Yankees while the Pirates squeaked by the Hitters.

The Hitters mauled the Rebels in a heated contest Tuesday and shocked the Pirates into generating a 7th inning winning rally on Saturday. Later that day this same Hitter team journeyed to Redstone Park to thoroughly spank the Yankees before the League Champions could bring their big guns into play.

These twenty Minor League All Stars will challenge the Major

in the late contest. The winner of this playoff, in addition to being named post champions, will represent Redstone Arsenal in the Third Army Softball Tournament at Ft. Jackson, S. C., Sept. 5.

Movie Schedule

Wednesday, August 10, "The Nights of Lucretia Borgia" starring Belinda Lee and Jacques Sernas, Time 1800 and 2030 hours. Thursday and Friday, August

League White Sox Thursday, Aug. 11 at 5 p. m.

William Baker, Fred Bilek, Mark DeBolt, Keith Jefferds, Harvey LeReau, Jack Caradine, Bud Street.

Jimmy Turner, Chick Brady, Mike Eyer, Craig Johnson, Greg Maxwell, Mark Richey, Tim Will.

Willie Bejosa, Tony Cherry, Kit Horvath, Peter Lawson, Nick Pena, Herb Duncan.

Scene of battle is Explorer Field.

11-12, "Murder, Inc." starring Stuart Whitman and May Britt. Time 1800 and 2030. hours.

Saturday, August 13, SPECIAL MATINEE "From the Earth to the Moon" starring Joseph Cotton and George Sanders. Time 1000 hours.

Saturday, August 13, "The High Powered Rifle," starring Willard Parker and Allison Hayes. Time 1800 and 2030 hours.

Sunday-Monday, August 14-15, "It Started in Naples" starring Clark Gable and Sophia Loren. Time Sunday 1400, 1800 and 2030 hours. Time Monday 1800 and 2030 hours.

Tuesday, August 16, "Sex Kittens Go to College" starring Mammie Van Doren and Tuesday Weld. Time 1800 and 2030 hours.

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- 1955 OLDSMOBILE 4 door Holiday.
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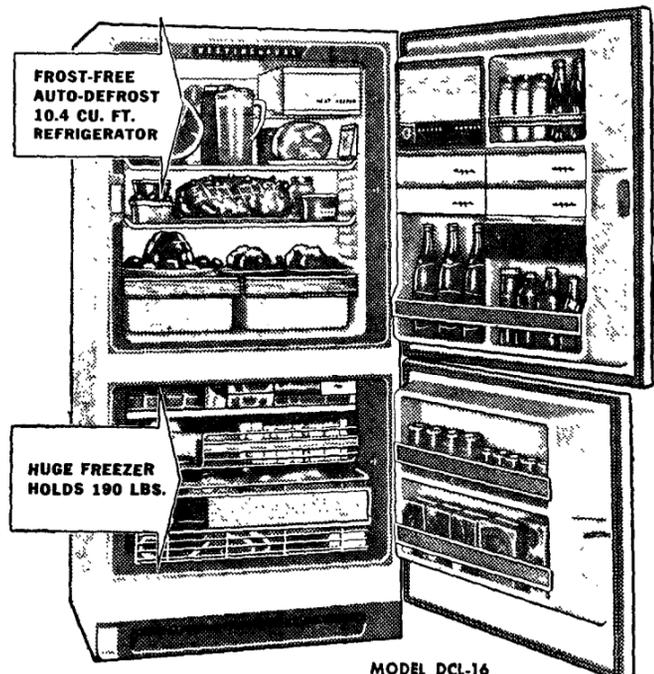


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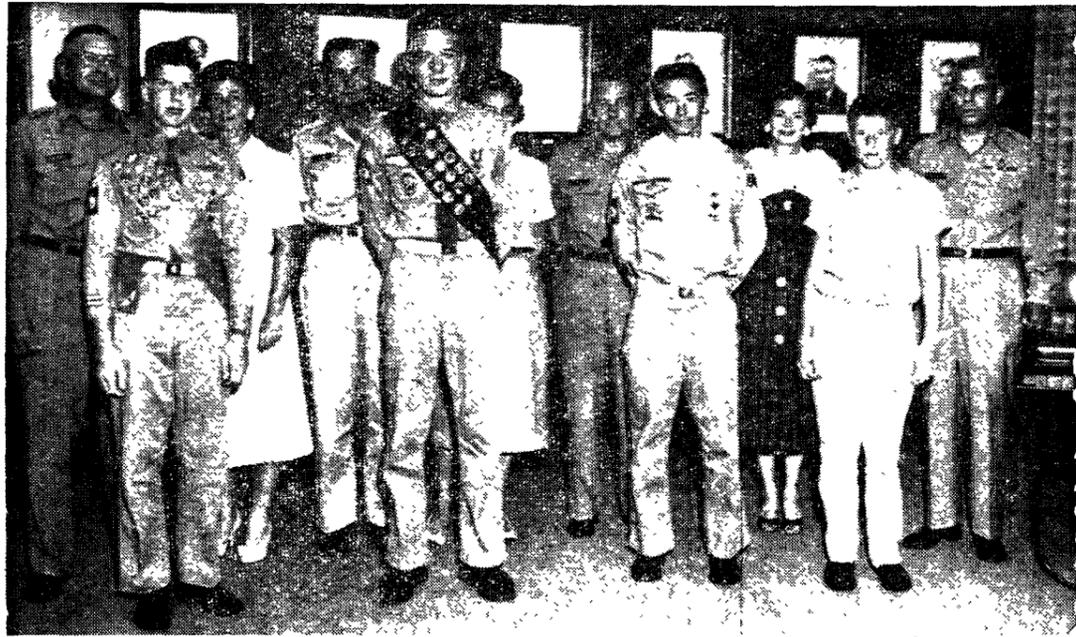
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SCOUTS EARN HONORS — Four Explorers from Troop 234 received high honors during a Court of Honor at the Post Chapel last week. The Scouts and their parents (left to right) are: Col. E. J. Kloos, Richard, and Mrs. Kloos; Col. H. M. Murray, Mike and Mrs. Murray; Capt. Donald Smith, Ralph, and Mrs. Smith, Joe Hinesley and Capt. Joseph Hinesley. Richard Kloos and Ralph Smith were presented with Life Scout awards, Joe Hinesley became a Star Scout; and Mike Murray earned his Eagle Scout certificate.

Explorers Receive Charter for 1960

A charter for its third year of operations was presented to Squadron 234 of the Air Explorer Scouts at Redstone Arsenal last night at ceremonies during which nine youths received a total of 39 merit badges and awards and

three new members were inducted by Mike Murray, squadron president.

Burton Niemeyer of the Madison District of Boy Scouts of America presented the charter to Lt. Col. E. J. Kloos, chairman of the Troop Committee, at the meeting in the social hall of the Arsenal Chapel. The invocation and benediction were given by Chaplain James H. Goewey.

Ralph Smith won eight merit

badges, while Richard Kloos won six. Others receiving them were Kent Furphy, David Cherry, Robert Buchholz, William Arnold and Wilfred Mrazek.

Mike Murray, Mrazek, Cherry and Kloos also received special awards for work done during the recent 50th anniversary year of the Boy Scouts. Mike Murray was presented the Eagle Scout rank, the highest rank that can be attained in the Boy Scout program. Richard Kloos and Ralph Smith achieved the Life Scout rank, the second highest award in Scoutdom. Gold Air Explorer awards went to Kloos and Smith.

Joe Hinesley received a Star Scout award.

Col. Harry C. McClain and Col. Thomas W. Cooke presented the awards.

Ben Dowling, Dennis Theusch and Joe Hinesley were inducted as new members.

MISSILE GUARDSMEN

FORT TOTTEN, N.Y., (ANS)—Army National Guardsmen serving in the Army Air Defense missile battalions which have been placed under the U.S. Army Air Defense Command, may soon wear the distinctive red and gold shoulder sleeve insignia of the command. "This action," said a spokesman, "represents another step forward in the program of the 'One Army' concept."

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TWO PATENTS ARE ISSUED THROUGH AOMC DIVISION

The Patent Division of AOMC has been notified of the issuance of patent no. 2,950,619, titled "Flutter Simulator", to Hans V. Schuerch, a Government contractor or employee. The patent is assigned to the United States of America.

Notice also has been received that patent no. 2,950,624, titled "Transmission Device", is issued to Josef Boehm, presently a Branch Chief in Guidance and Control Division, MSFC. A letter initiating an incentive award of \$100.00 to Mr. Boehm has been forwarded to the office, Chief of Ordnance for review and further processing.

Vacation: Peaceful rest? Or rest in peace?

One of the first women to submerge in a submarine is believed to have been Clara Barton, founder of the American Red Cross.

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PROMOTED TO FULL COLONEL—Mrs. Lester H. LeVine (left) pins the eagle insignia of a full colonel on her husband during a recent promotion ceremony in the office of Maj. Gen. August Schomburg (right), Commanding General of the Army Ordnance Missile Command. Col. LeVine is Chief, Redstone Arsenal Control Office. He was formerly in the office of the Assistant Chief of Staff for Military Applications and Training, AOMC. He has been assigned at the Arsenal since November, 1958. Col. LeVine, who earned both bachelor and master of science degrees at the University of Massachusetts, joined the Army in July, 1940. Among his decorations are the Bronze Star with cluster, Commendation Ribbon, Purple Heart, Presidential Unit Citation, Combat Infantryman's Badge and Master Parachutist. He served with the Airborne prior to transfer to Ordnance.

with leaders in the Government (including the nominee's agency head) to obtain their opinions and other pertinent evidence.

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PUBLIC SERVICE NOMINATIONS CLOSE AUG. 15

Nominations for the Rockefeller Public Service Awards close on Aug. 15, Frank Holmes, executive chairman of the Incentive Awards Committee, announced today.

The nominees names and back-

grounds must reach the Rockefeller Public Service Awards, Woodrow Wilson Hall, Princeton University, Princeton, N. J., by that date.

Briefly, any past or present employe of the Federal Government may nominate a candidate. The candidate must be in the GS-16/GS-18 category and must have performed a "truly outstanding service to the nation." Normally candidates shall have been in the employ of the Federal Government for a minimum of 15 years, shall be at least 45 years of age, and shall have a reasonable period of useful future service in prospect.

The new program places primary emphasis on past accomplishment. Each person thus honored will be assisted to make a further significant contribution to strengthen the cause of public service. This contrasts with the original program set up by Princeton University with a grant from John D.

Rockefeller 3rd.

A small number of distinguished civilians in the employ of the Federal Government will gain this recognition and financial assistance to carry out a program to share his knowledge, by writing, lecturing, or research, combined with seminars or consultation with students or members of a faculty at a college or university. This will be a part of the privilege, but will not be required of an awardee.

The nominations may be made by any past or present employe of the Federal Government, other than himself or a member of his family, for a Rockefeller Public Service Award simply by writing the Committee on Selection.

The Committee on Selection will also seek nominations from persons not previously or presently employed by the Federal Government but who, because of their work, are unusually well informed about it.

Nominating letters must contain a full and factual explanation and justification for the nomination. They should include the names of three other persons who know the candidate and his work intimately, and who are both competent and willing to support his candidacy upon inquiry by the committee.

All nominators should know that the committee on selection reserves the right to consult with respect to particular nominations

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Two Dental Officers Join Surgeon's Staff

Two new dental officers recently joined the Army Surgeon's staff at Redstone Arsenal.

They are 1st Lts. Thomas M. Rutherford and Richard R. Cannon. Lt. Rutherford, whose family lives at Buckhannon, W. Va., received a bachelor of science degree from West Virginia Wesleyan College in his hometown before attending the Baltimore College of Dental Surgery at the University of Maryland where he earned his doctorate in dental surgery.

He entered the Army after graduation and was assigned here after initial Army training at Fort Sam Houston, Tex. He is married to the former Miss Beverly Rinehart of Waynesburg, Pa. They have a three-week-old son, Eric.

Lt. Cannon did his pre-dental work at Albion College, Albion, Mich., and earned his doctorate in dental surgery at the University of Michigan. His family lives at Battle Creek.

The Lieutenant entered the Ar-



WHOOPIES! CAUGHT BY A CAMERA!—The black snake in the upper center of the photo above checked to see whether or not it was time for lunch last Thursday and was caught by a cameraman in the ARGMA R and D Operations building. The live snake crawled through a hole in the wall, looked at the clock and crawled back inside again. The cameraman had time for one quick snap before the snake disappeared.

ARMY TUITION

Military personnel planning to enroll for the Fall Quarters at the University of Alabama Huntsville

my after graduation and was trained at Ft. Sam Houston before his assignment here.

Center under the Army Tuition Assistance Program are reminded by Paul R. Fisher, Chief, Army Education Division, to complete DA Form 2171-R and return it to the Education Center, Bldg. 3655 before Sept. 20.

The fall quarter begins Sept. 22. Personnel enrolling for the first time must have transcripts from their former schools sent to the Huntsville Center, and must complete their application for admission prior to registration.

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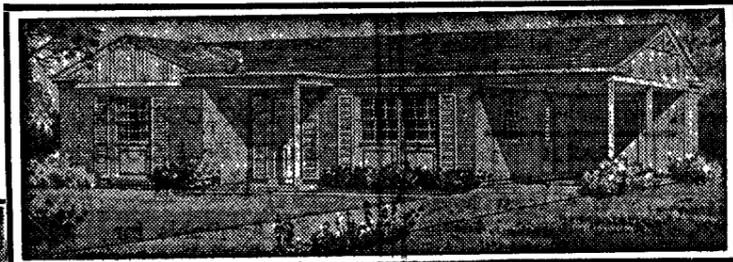
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ABMA's Research and Development Operations Directors Are Named

Six Laboratories Are Newly Created

By Buddy Phillips

Internal realignment of the Army Ballistic Missile Agency has resulted in the creation of the Research and Development Operations office under the direction of Dr. Arthur Rudolph. The office brings together a group of experienced engineers and scientists, intimately connected with Army missiles and rockets for the past 15 years.

Six new laboratories have been established under Dr. Rudolph's direction. They will be responsible for a major portion of Army Missile development. ABMA designed and developed the Redstone, Jupiter and Pershing ballistic missile systems, and on Aug.

1, 1960 took over the Research and Development and systems management of the Honest John, Littlejohn, Corporal, Sergeant, Light Antitank Weapon (LAW), Missile "A" and Missile "B" weapon systems. The Army Rocket and Guided Missile Agency (ARGMA) retained responsibility for all field service activities related to management of these latter systems until a later date.

L. Col. Lee B. James, Deputy Director of R&D Operations, is a graduate of Columbia Military Academy, Columbia, Tenn., and received his BS degree in military engineering from the United States Military Academy at West Point. He was awarded an MS degree in Aeronautics by the University of Southern California in 1950.

Col. James received his commission in 1943 and subsequently served in England and Germany during the remainder of World War II.

the Army Chemical Corps since 1942.

McDaniel supervised the Honest John rocket test program at White Sands Missile Range, N. M. He has developed many new testing techniques, including the application of statistical concepts to rocket testing.

He has also had unusual success in developing and using environmental test techniques which resulted in field forces receiving rockets suitable for any environment without extensive modification or test. He was also director of the Design and Development Laboratory, Ordnance Missile Laboratories, ARGMA, during the design of Littlejohn, Missile "A" and Missile "B".

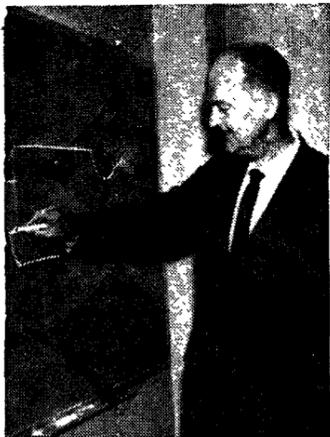
McDaniel holds a degree in Physical Chemistry from Berry College, Mount Berry, Ga., and took graduate work at the Redstone Graduate Institute and the University of Alabama. He also attended the Naval Electronics School at Monterey, Calif. Prior to his new appointment, he was Assistant Technical Director of the Ordnance Missile Laboratory at Redstone.

The new laboratories and their directors are:

RESEARCH LABORATORY

The Research Laboratory will be responsible for accomplishing applied research in specialized scientific fields, coordinating and evaluating research proposals for applied research, and managing research contracts of the R&D Operations.

The office will include three associate directors for Mathematics, Physics and Chemistry.



JOHN L. MCDANIEL

Serving Dr. Rudolph as Technical Director is John L. McDaniel, a veteran of Army missile work at Redstone since July 1949, and of chemical development with

ments at ABMA were: the establishment of an aeroballistic flight measuring program, including instrumentation specifications for Redstone and Jupiter missiles; the establishment of specifications of tracking methods for the Redstone and Jupiter; and the establishment of the first upper air wind and density climatologies for missile design and employment.

Analysis Advanced Design Laboratory

Initiation and performance of feasibility and design studies and preparation of proposals and concept for weapons systems for future development is the primary mission of the Analysis and Advanced Design Lab.

The Lab will perform analytical studies of weapon systems submitted by other agencies and conduct preliminary design where appropriate for new systems assigned to ABMA.

The new director, Charles W. Hussey, holds a BS degree in physics from Western Kentucky State and an MS degree in physics from the University of Florida. Hussey has been at Redstone Arsenal since 1950. He was in charge of system design for the



CHARLES W. HUSSEY

Littlejohn surface-to-surface rocket and Missile "A" which is still under development. He has played a major role in the improvement of fin-stabilized rockets.

Propulsion Laboratory

Performance of research and development in missile and rocket propulsion and related scientific fields is the responsibility of

(Continued on Page 16)

LOTS

River Lots — Building Lots — Business Lots — Placements for Trailers — Many other desirable lots for a small down payment.

LEVERT STREET

Seven 4-room apartments (together).

Two 4-room apartments. Buy these and receive a nice rental income.

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6 rooms or 2 family apartment.

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Nice 3-bedroom house, reasonable.

2501 KILDARE ST.

6 room house located on 100' x 200' lot, newly decorated, 3 bedrooms, kitchen, living room, dining room, with or without stove and refrigerator. Close to Bible school. Can be financed.

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Pump Street — Nice 6 room house with bath.

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83 acres of land near Hazel Green with 6 room house, barn, poultry house, tractor shed.

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4 room house near John Blue Co., sign on property

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30 beautiful building lots. Just outside city limits, exclusive homes only.

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Nice 4 rom house, located on corner lot.

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Nice building lot, 75'x150'

15 acres located on Hwy. 72, suitable for business. Can be bought for a small down payment or will consider trade.

We have moved to a new location . . . Building in back of 2501 Meridian St., N., across from Woody's Drive-in Theatre. Look for our sign.

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Priced from \$15,325 to \$17,850

100% GI LOANS

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Some have built-in range and oven — 1½ & 2 baths. Sliding glass doors to patio. Near Gate 9. Go out the old Madison Pike toward Madison. Nolan Hills on Right.

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Across From Martin Stove



GERHARD H. REISIG

Gerhard H. Reisig, Director, has been at Redstone Arsenal since 1950, where he was instrumental in the successful development of the Redstone and Jupiter ballistic missiles. Reisig received his BS and MS degrees from the Technical University of Dresden, Germany, in General and Applied Physics. He also attended the Technical University of Berlin and the University of Leipzig.

Since 1956, he has served as a Section and Branch Chief in the Development Operations Division, where he dealt with systematic studies in physics and climatology of total flight atmosphere for both missiles and satellites.

Among his many accomplish-

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THESE HOMES ARE MODERN THROUGHOUT—
FEATURING: Beautiful Brick — 3 Bedrooms — 1½ or 2 Ceramic Baths — Dens — Carports — Garages — Large Lots — Some Have Built-in Kitchens and Basements.

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1½

And 2

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MOBILE HOME FOR SALE—2-bedroom, air conditioned, TV, electric heat, excellent condition. \$1850. See at Colony Apts., one mile south of Whitesburg Bridge, weekdays after 5 p.m., or call Thiokol ext. 6-6130. 1tp

FOR SALE — Frigidaire, medium size, good appearance, good condition, \$60.00 at Thrift Shop, Bldg. 3656 or JE 9-7984. 1tp

1957 FORD FAIRLANE "500" 4-dr. Thunderbird Special Engine, radio, heater, A.-T. Power steering, windows, and brakes. Excellent condition and appearance. \$1,040.00 JE 6-5255. 1016 Parklane, N. W. 1tp

FOR SALE — House, Belmont. 6 rooms, 2 baths, double carport, covered patio, large corner lot, extras. 15 minutes to Bldg. 4488. Shown by appointment. JE 6-8794. 8-17p

EQUITY SALE BY OWNER — 2 bedroom home on Kent Road, S.W., electric range, air conditioned, garage, monthly payments \$55.96, total price only \$9,000.00, 4½% mortgage. Pho. JE 6-6214. 1tc

SAVE REALTORS FEES — Owner selling 3 bedroom house loaded with extras, and 4½% G.I. mortgage. Near schools. Call 534-8468 after 5 p.m. 1tp

EQUITY SALE — 4½% G. I. loan. 2113 Gilbreath Rd., Lakewood Manor, 2 bedrooms, den, completely redecorated. Call Redstone ext. 3-3153 ask for Buchanan. ttc

FOR SALE — 1952 Ford, 4-door, heater, good tires, good condition, \$265.00. Phone JE 6-5620. 1tp

FOR SALE — 1958 30'x8' House Trailer, automatic washer, air conditioned, good condition, may be seen at Lot 45, McAlister Trailer Park. Can contact after 5:30 p.m. 534-8486 or during working hours, Ext. 3-7846, ask for Bud Walker. 1tc

FOR SALE — Trucold Air Conditioner, 1960 model, 1½ h.p., 13,500 BTU, 220 volts, \$200.00. Phone Ext. 5-7879. 1tc

FOR SALE — Guntersville: 3-bedroom brick home, 2 baths, living room, dining room, kitchen, basement, carpets in front, near schools and churches, owner being transferred. Phone JU 2-4197. 1tp

FOR SALE BY OWNER — Three bedroom house with modern styling, fully air conditioned, attached garage, large lot containing shade trees and covered by well established lawn. Price: \$14,500. Call Ext. 3-2961 or JE 6-8747. 1tp

BEDROOM FOR RENT TO GIRL All home privileges. Meals available. Convenient to Arsenal. Phone after 5 p.m. JE 9-1312, Miss Stewart. 1tp

FOR SALE!
425 EWING ST. — Just off Jordan Lane: 3 bedroom brick, air conditioned; with 809 certificate. \$550.00 down.
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Phone JE 6-3286
Dolly Futch, JE 4-6965

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FOR RENT — Brand new brick veneer, 2 bedrooms, unfurnished apartment, \$75.00; Phone JE 6-0775 or JE 6-3657. 8-31c

4117 GARTH ROAD, S.E. 3 Bedroom, 2 Bath, with Central Air Conditioning. Will finance equity without closing cost under any reasonable basis for responsible party. Shown by appointment. R. J. Broun, Extension 3-2627. ttc

BEST HOME BUYS —
Best location in town (just outside Gate 9). On 100% GI loans or minimum FHA terms. Sherwood Park, 534-3113, JE 6-7421. 1tc

TAKE A HOUSEBOAT VACATION on Tennessee River Lakes. Cruise, Eat, Sleep, Swim, Fish and Relax in comfort. For information or reservations call Guntersville JU 2-4441 or JU 2-4642. 8-31c

WANTED — Good used furniture, antiques and appliances, highest cash prices paid for one piece or a house full. Get our bid before you sell. Prompt estimates given. We buy, sell or trade for anything of value. Call JE 9-4272, open 9 a. m. to 9 p.m. Monday through Saturday. Ray's Furniture Exchange, 4850 Governor Drive. ttc

STOP! LOOK! LISTEN! — We manufacture den or living room furniture to order. Love seats with Polly-foam cushions, arms and back if desired, also trailer couches. Select the arm styles you prefer. Come in and see some of our quality frames made. All types furniture upholstered, free estimates. Auto seats covered, tailored only. We guarantee to save you money. Check with us on our great selection of materials and colors. Open 6 days a week, 7 a.m. to 8 p.m., 2506 Oakwood Ave., N. W., Rocket City Upholstery Co., phone JE 4-9696. ttc

FOR SALE — 1959 Cushman Pacemaker motor scooter. Red and white. 7.95 horsepower, 4-cycle Cushman Huskey engine. Excellent condition. Phone arsenal 5-8279 after 1700 hours. May be seen at 227-A Niblo Dr. Arsenal. 1tp

FOR RENT — Guntersville: Six-room brick home with 2 baths, basement, convenient location. Phone JU 2-3544. 1tp

FOR SALE — 1959 Peerless Gold Seal trailer, spacious 50'x10', 2 bedroom, carpeted living room, Mojave oak paneling throughout. Front kitchen, built-in range and oven, air conditioned, 40' canvas awning. Call 534-2319 after 4:00 p.m. or Ext. 3-5972 during day. 8-10p

FOR SALE — Large well wooded lot in southeast Huntsville, Phone JE 6-1165 after 5:30 or Sunday. 1tp

FOR SALE — 7 weeks old wire-haired fox terriers. Also 1953 4-dr. Plymouth, new battery, tires. Good condition. Phone JE 6-7172. 1tp

LONG-HAIRED DACHSHUNDS: We have another fine litter of registered puppies sired by our AKC Champion. Hasson Vom Habichtshof. \$50 up. M-Sgt. Larsen, JE 6-4185, or Redstone Ext. 3-1748. 8-10c

HAMMOND ORGANS—We rent, sell and service. Call us about our "playtime plan", qualified teachers available. Robbins Music Center, 110 South Jefferson St. Phone JE 6-2443. ttc

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PRUDENTIAL for the best in LIFE Insurance. For the best in HOME insurance — the Homeowner's Package. New lower rates and improved coverage plus OUR 15% DIVIDEND. Call John E. Broyles Agency, JE 6-0711 or 534-8615. ttc

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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. ttc

MODERN HEALTH Club Services — Central YMCA, 203 South Green St. is offering massages, turkish baths, electric heat cabinets, ultra-violet and infra-red lamps, diathermy sun lamp, swimming pool Graduate Masseur in charge. Phone 534-2444. ttc

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Drive out and see our display of quality home furnishings at wholesale prices. Our low overhead permits us to give you extra discount savings. Easy budget terms available. Furniture Outlet Store, Meridianville, Ala., phone JE 6-6857. Go Out-a-Way—Less-to-Pay. ttc

ROOMS FOR RENT—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial JE 4-6452. ttc

FOR SALE OR RENT — New and used PIANOS and ORGANS. We tune and recondition your piano. "Your new Baldwin Dealer". TRAYLOR and HADLEY, INC., North Memorial Parkway. Phone JE 9-6241. ttc

1957 PONTIAC CONVERTIBLE: Excellent condition; new tires, and top. Will accept best offer. JE 6-2466 if no answer call JE 6-3301 after 6:30 p.m. 1tp

EQUITY SALE — 3 bedrooms, bath, living room, dining room, and kitchen. Monthly payments \$76.00. Total price \$15,000. 803 Giles Drive, N. E. Shown by appointment. Phone JE 6-2238. 1tp

FOR RENT — Charming, new, air conditioned, furnished, 1 bedroom apartment, ceramic bath, 2 double closets, living room, paneled kitchen, very best neighborhood. Close in. Adults, Phone JE 4-8467. 1tc

FOR SALE — 1955 Oldsmobile, Super 88, power steering, power brakes, grey and white finish, excellent condition. Phone JE 6-4818, after 5 p.m. 1tp

FOR RENT — Available Sept. 1: Brick duplex, ceramic tile bath, nice residential section, 1020 Bierne Ave. No small children, phone JE 6-1451. 7-13-c

FOR SALE — Beautiful ¾ acre bluff lot in Weatherly Heights, Huntsville. \$1500 equity. Balance of \$1800 at \$50 per month. Appraised at \$4000. Phone Arab JUniper 6-4481. 1tp

1955 PLYMOUTH PLAZA Tudor — Good condition, reasonable. Contact Harvey Wolf, ext. 3-3727 days or 3-2907 nights. 1tp

FOR SALE — 25' Chris-Craft Cavalier Cruiser, 4 sleeper, private head, dinette, complete galley, fully equipped including 1-mile beam spotlight, electric wiper, life vests and cushions, bumpers, anchors, etc. Only 85 hours on motor. As equipped sells for \$6100.00. Will sell for \$4700.00 or will consider trade. Contact Mr. Dickover, extension 3-5228, or Arab JU 6-5272. 1tp

FOR SALE — One male boxer, registered, 9 months old, has already been clipped and had all shots. Am moving, must sell. Will accept best offer. Call Sgt. Posey, 534-2996. 1tp

FOR RENT — Furnished cabin—by day, weekend or week, good water skiing or fishing. Call Redstone Ext. 3-6695, ask for Curtis or Athens 1352-W. 1tc

FOR SALE BY OWNER — 3 bedroom brick home: rear-opening attached garage, built-in range and oven, interior planter, built-in bookcases. Half-acre lot, well kept lawn. Near schools and proposed shopping center. JE 9-3303. 1tp

FOR SALE — 1948 Sportsman 25' House Trailer, good condition, would be ideal for lake lot. Located Lot 80 Triana Mobile Home Court. Henry Theisen 3-2520. 1tp

FOR SALE — 1957 Ford Custom 300. Fordomatic, radio, and heater. Very clean inside and out. Best offer above \$1000. JE 9-3303. 1tp

FOR RENT — 6 room lakefront home, 5 miles from Decatur, 28 miles from Arsenal, private swimming and boat docking facilities. House contains 1,300 sq. feet of living space, consisting of 2 bedroom, bath, kitchen, living room and large family room over-looking lake, air condition and T.V. antenna furnished. Immediate possession. Call LAWRENCE COOPER, EL 3-1470, Decatur. 1tc

FOR SALE — 1953 Cadillac, 4 door, 62 Series, Fleetwood, Radio, heater, air conditioned, A-1. Ext. 3-4744 or after 6:00 p. m. JE 9-1444. 1tp

FOR SALE — Motorcycle, 1956 Harley-Davidson. 74-FL. Like new, many extras, \$600.00. 200 N. Lombardy Albertville, Ph. 107-R after 5 p. m. or week-end. 1tp

FOR SALE—1954 Spartan Royal Mansion, 37'x8', Two bedroom Trailer. Air Conditioner, washer, 20'x8' metal awning with side room. In excellent condition. See at Triana Mobile Home Court, Lot No. 42 after 5 p. m. week days and on Sat. and Sun. 1tc

FOR SALE — New 3 bedroom houses with den, 2 full baths, completely furnished, includes 3 bedroom suites, living room suite, dinette, built in oven and surface unit, refrigerator, dish washer, central air conditioning city sewage, G. I., \$150.00 pays all; FHA minimum plus \$150 closing, prices start at \$12,900.00 payments as low as \$85.50 including taxes and insurance, across from Albert Pick Motel. on Highway 72 east. Call JE 9-8491. ttc

AIR TRANSPORTATION to Phoenix, Ariz. and return, Leaving 26 Aug., returning Sept. 5, in New CESNA 172 Airplane. Share Expenses, room for one. \$75.00 round trip. Ext. 3-1700. 1tp

TRAILER FOR SALE — 1957 2-bedroom 46'x8', \$2800, terms, \$2600. cash. \$1700 is now financed. Call: JE 9-8900. 1tp

FOR SALE — Beautiful executive type, 2 story brick home on acre lot, 2 car brick garage, beautifully landscaped with large shade trees and shrubbery. Consisting of 3 bedrooms, 2 ceramic tile baths, large living room with fireplace, separate dining room, kitchen, 1 open and 2 enclosed sun porches and patio. Carpets, drapes, cornices, TV antenna, and air conditioning unit included. Total price \$21,500. Attractive terms. Your inspection invited. 2401 Andrew Jackson Way, N. E. 8-17c

FOR SALE — Nice Lake Front Cottage, and furnishing. Masonry construction, double carport, two large screen porches, fireplace, two bedrooms, city water and electric heat, 16x30 living room and kitchen on nice wooded lot, new 1960. Call Ross L. Cornelius, Broker, Guntersville, Ala. 8-17c

FOR SALE — Nice 3 bedroom home, tile bath, central heat, car port, paved street, and one of the nicest sections of Arab. Ready for occupancy. Small down payment. Call Ross L. Cornelius, Broker, Guntersville, Ala. 8-17c

FOR RENT — 5 room unfurnished apartment at 1122 Wellman Ave., newly decorated, near schools. Phone JE 4-9311 or 534-5697. ttc

DUPLEX EQUITY — Lovely 2 BR, Brick, 1750 sq. ft. beautifully landscaped superior construction, excellent investment, and rental location. Aluminum storm doors and windows, venetian blinds, curtain rods, TV antenna, knotty pine paneled kitchen and cabinets, private utility rooms, attic storage and porches. Many other extras including one side furnished. Purchase equity and assume F.H.A. mortgage. Owner will finance part of equity. Priced when shown. Phone JE 6-2693. 8-17c

WOODVILLE, ALA., BY OWNER — See this lovely home located across street from Woodville School. Only 25 mi. from Huntsville. Large living room, dining room, kitchen, bedrooms, closed in porch, breezeway, attached garage. Beautiful lawn, garden and orchard. Enjoy country living at its best. May be seen anytime. Priced to sell. See owner, Mr. Shelton on premises. 8-10p

LAKE FRONTAGE — 935 feet, Guntersville area, good beach, deep water bay for boats, choice bldg spot, Hardwood Trees, \$6.00 per ft. Arsenal Ext. 5-7750 after 6:00. 1tc

FOR SALE — 8'x45 Pacemaker Mobile Home, Excellent condition, Westinghouse automatic washer, roof mounted air conditioner, carpets, storage shed. Located at lot No. 40 Ogles Trailer Court. Lt. Ebbing 3-1458 (Duty) 1tp

FOR SALE!
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ABMA's

(Continued From Page 14) the new Propulsion Laboratory. The laboratory will design and develop missile and rocket propulsion systems to meet known and anticipated weapon systems requirements, while providing scientific and technical guidance to and supervision of contractors utilized in accomplishing this mission.



HOLM HINRICHS

Holm Hinrichs, Laboratory Director, originally from Hildesheim, Germany, has been employed at the Arsenal since March 1951. He attended Cornell University and received his BS in chemistry from Siena College, Loudonville, N. Y. He has done post graduate work at Rensselaer Polytechnic Institute and the University of Alabama Center in Huntsville.

A veteran of World War II action in the South Pacific, Hinrichs was previously with the Ordnance Missile Laboratories at Redstone. In that position he was responsible for basic research at both Thiokol Chemical Corporation and Rohm & Haas, Redstone Arsenal Divisions, and in-house projects on detonation phenomena and unsymmetrical nozzles.

Guidance, Control and Aeroballistics Laboratory

The primary mission of this laboratory is the performance of supporting research, design, and development of guidance, control, electrical networks, missileborne tracking, measuring, telemetering, and range safety devices, components and systems, and related electrical ground support and test equipment.

The lab will also design electrical ground support equipment for research and development systems testing and firing in addition to the design and development of missile instrumentation and telemetry systems for analysis of flight performance of missile components, systems, and subsystems.



JESS B. HUFF

Jess B. Huff, Jr., Director, has served at Redstone Arsenal since October 1951. He graduated from Western Kentucky Teacher's College with a BS in physics and later received his MS in physics from the University of Kentucky.

While serving with the Army in World War II, Huff saw action in North Africa and Italy.

Huff directed the development of the guidance systems in three of the Army's highly successful missiles — Redstone, Jupiter and

Pershing Systems Design and Development Laboratory

Conduct of design, development, and fabrication activities in the field of structures, mechanics and support systems as related to missile weapon systems is the primary mission of the Systems Design and Development Laboratory.

This responsibility includes fabrication and technical supervision of production of experimental and prototype missiles for research and development. The lab will also design and develop airframes, missile mechanical, pneumatic and hydraulic subsystems, launchers and other ground support equipment.

Director Lewis L. Gober, employed by ABMA since 1956, is a graduate of Mississippi State College where he received a degree in Mechanical Engineering. During World War II, Gober participated in the North African and European theaters with the U. S. Army.

Gober is an active member of the Society of American Military



LEWIS L. GOBER

Engineers, the Society of Automotive Engineers and the American Ordnance Association. He also holds a U. S. Army Reserve commission as a lieutenant colonel.

In January 1958, Gober established the Engineering Branch of ABMA's Industrial Division,

which was responsible for the production of the first Redstone missile.

Test Evaluation and Firing Laboratory

The Test Evaluation and Firing Laboratory will perform experimental and developmental testing of complete missile systems and their components, providing an independent evaluation of test results and recommendations on design criteria. They will assure that weapons systems and their support equipment will perform satisfactorily the purposes for which they are intended under all conditions.

The laboratory will also operate and maintain facilities and equipment required at the Atlantic Missile Range at Cape Canaveral, Fla., and White Sands Missile Range, N. M.

The director, William L. Grafton, is a graduate of Mississippi State College with a BS degree in Aeronautical Engineering. During World War II, Mr. Grafton served in the Army Air Corps in the European Theater of Operations.

An employe of Redstone Arsenal since 1952 he was Responsible

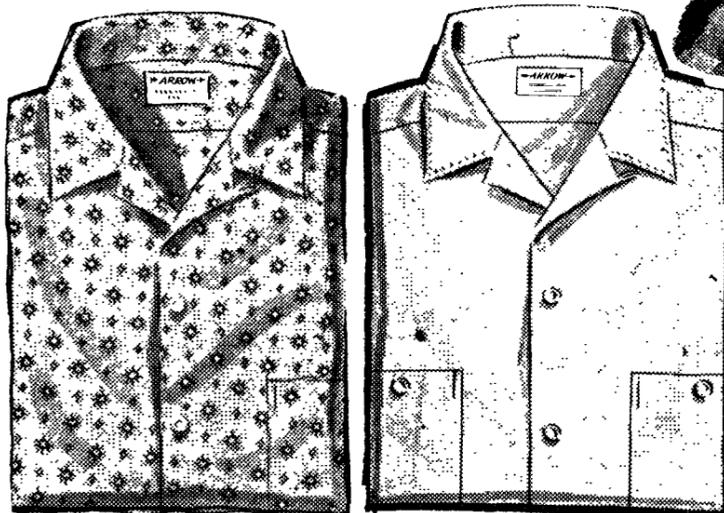


WILLIAM L. GRAFTON

Test Engineer for the Redstone missile from beginning of tests through completion. He was instrumental in assembling a unified team of test and launch personnel to coordinate the first three Redstone launchings. In addition, he was responsible for the development of all booster procedures for the Redstone engine.

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