

Veterans Day

Rocket Deadline Moves Forward to Tomorrow As Friday Is a Holiday!

The Redstone Rocket

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

VOL. XVI; NO. 26

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA 35809

NOVEMBER 8, 1967

SENTINEL SYSTEM SET

Sprint Hits Computer Bulls-Eye

WHITE SANDS MISSILE RANGE, N. M.—The U. S. Army's Sprint anti-missile missile, in a successful test flight last week, hit a computer drawn bullseye in the sky.

The 27-foot-long, high acceleration missile hit the imaginary intercept point after a flight that included several planned sharp maneuvers.

The point, which was programmed into the missile's flight control computer, was designed to simulate the intercept point for a real incoming missile.

The Sprint will be one of two interceptor missiles deployed with the nation's anti-ballistic missile (ABM) system. It is currently in its flight test program at White Sands.

Test officials said the missile was launched from an underground cell and performed according to plan.

(See SPRINT on Page 3)



LT. GEN. A. D. STARBIRD

Lt. Gen. Starbird Named To Manage Anti-Ballistic Missile System Program

WASHINGTON, D. C. — Secretary of Defense Robert S. McNamara announced Friday that the U. S. Army's System Manager for the Sentinel System. General Starbird is currently serving as Director, Defense Communications Agency, Washington, D. C. He will assume his new position on November 15, 1967.

The system, when deployed, will provide a defense against the Chinese Communist ICBM force of the mid-1970's. As system manager, Gen. Starbird, will be responsible for Sentinel's development and timely deployment.

General Starbird's organization will have three main elements: The first will be the Sentinel System Office in the Washington, D. C., area, an element of the Office, Chief of Staff, U. S. Army.

The second will be the Sentinel System Command at Huntsville, Alabama, which will develop, pro-

quire and install the Sentinel System.

The third element, the Sentinel System Evaluation Agency with headquarters at White Sands Missile Range, N. M., will provide Gen. Starbird with independent evaluation, review and testing.

The Sentinel System organization will be supported by existing Army agencies such as the Corps of Engineers, the Army Materiel Command, the Strategic Army Communications Command, the Continental Army Command, and the U. S. Army Air Defense Command.

The existing Nike-X organization will continue separately from the Sentinel System. It will carry on research and development on systems, the objective of which would be to protect against large scale attacks. The Nike-X Program will also design equipment to be used for test of the penetration capabilities of our offensive missiles. Lt. Gen. Austin W. Betts, Army Chief of Research and Development, will continue to be responsible for the Nike-X program.

Family Attends Dedication Of School's Toftoy Hall

Leaders of Redstone Arsenal last Friday honored the man who founded this vast missile and space development center.

The occasion was the formal dedication of a new \$1,000,000 academic building at the Army Missile and Munitions Center and School as Toftoy Hall, in memory of the late Maj. Gen. Holger N.

(Pictures on Page 5)

Toftoy. Known affectionately as "Mr. Missile", Gen. Toftoy is credited with initiating a series of historic actions during the past two decades that laid the foundations for the huge Redstone complex as it exists today. He commanded Redstone Arsenal from 1954-1958.

Even the elements cooperated for the occasion. Renowned figures

in the nation's missile and space programs began gathering while a dense fog shrouded the Arsenal. A few minutes before the ceremony in front of the building on Patton Road, the sun broke through and shone brightly until rain began in mid-afternoon.

There was time for a glittering ceremony, climaxed when Mrs. Hazel Toftoy, the general's widow, and Col. Paul B. Schuppener, MMCS commandant, pulled a cord that dropped a strip of red, white and blue bunting from the building's new inscription. Inside the building, a portrait of the general and a bronze plaque citing him as "outstanding pioneer of the nation's missile and space programs" were also unveiled.

The keynotes were sounded by (See TOFTOY on Page 5)

Five Receive Army Awards

Col. Paul B. Schuppener, Commandant of the Army Missile and Munitions Center and School conducted an awards ceremony in his office Nov. 2.

The Bronze Star Medal for distinguished and meritorious service while performing military operations in the Republic of Vietnam was presented to Sergeant First Class Floyd R. Read. Sergeant Read, who is currently an instructor in the Ammunition Department, MMCS, served in Vietnam from October 1966 to September 1967.

Lt. Col. Matthew R. Thome, Executive officer of MMCS, was awarded the Army Commendation (See FIVE on Page 3)

Family Receives Bronze Star, Commendation For PFC Clyde G. Gentle

A Limrock, Ala., soldier, PFC Clyde G. Gentle, has been posthumously awarded the Bronze Star Medal and the Army Commendation Medal for Valor.

The awards were accepted by his parents, Mr. and Mrs. Oscar C. Gentle, during a ceremony at the U. S. Army Missile Command. Maj. Gen. Charles W. Eifler, Commanding General, made the pre-

sentation. PFC Gentle was killed in a plane crash in Vietnam Aug. 11, 1967. He had begun his tour in Vietnam in March. He was serving with 4th Cavalry, 1st Infantry Division.

On June 18, PFC Gentle won the Army Commendation Medal with "V" device for heroism. His (See FAMILY on Page 3)

\$52 Million Allotment Goes For Pershing 1-A

The Army Thursday awarded a \$52 million contract to Martin Marietta Corp., for production of ground support equipment for the Pershing 1-A system. Included in the total is a \$5 million increment awarded in August for long lead item procurement.

Work under the contract will be performed at the Company's Orlando Division which is prime contractor for the Pershing system.

New ground support equipment involved has been developed for the U. S. Army Missile Command under a \$66 million contract awarded in January, 1966. Pershing 1-A involves a shift from tracked vehicles to wheels for all

ground support equipment, including the erector-launcher. The change stems from the Army's continuing quest for faster rate of fire, increased reliability, less maintenance and overall lower costs.

The wheeled ground support equipment features an erector-launcher which carries the complete missile on a single carrier towed by the Army's most modern truck—the M-656 being developed by Ford Motor Company. Other equipment will also be transported by the M-656 or modifications.

There is no change to the basic 34 foot, 400 mile range missile (See PERSHING on Page 3)



POSTHUMOUS AWARD—Mr. and Mrs. Oscar C. Gentle of Limrock, Ala., accept the posthumously awarded medals earned by their son PFC Clyde G. Gentle in Vietnam. He was a member of the 1st Infantry Division. Maj. Gen. Charles W. Eifler, Commanding General of the U.S. Army Missile Command, presents the Bronze Star and Army Commendation Medal for Valor to the Gentles.

The Redstone Rocket

The Redstone Rocket is published weekly, on Wednesdays. The publisher will receive editorial content for publication in the Rocket only through the Information Office, Army Missile Command, Redstone Arsenal, Ala., 35809 Bldg. 5250, Room A-136, Extension 876-1400 or 876-1500.

All advertising copy and payments therefor are received by Mrs. Vergie Robinson, P. O. Box 345, Huntsville, Ala., 35804, telephone 534-4701, as representative of the publisher. Advertising deadline—both display and wanted—is noon of Friday before publication.

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Rocket Ruminations

No man can be valiant unless he hazards his body, nor rich unless he hazards his soul. —Warner

... For Their Sacrifice

Silence fell over the battlefield and the trenches for the first time in four bloody years. The date was Nov. 11, 1918, and World War I had ended.

Those who returned were given a hero's welcome. Those who did not return were honored on each anniversary of the fighting's end by a Nation "... filled with solemn pride in the heroism of those who died in the country's service ..."

Peace and freedom are not easily maintained, though, for in the years that followed it became evident the forces of tyranny had not been vanquished. In other years and on other battlefields, Americans preserved their precious birthright of freedom with their courage and blood.

This year, as in many years past, American servicemen are fighting and dying on far-flung battlefields to help make the world safe for democracy.

On Veterans Day, Nov. 11, 1967, let us pay homage to the millions of Americans who have so steadfastly served the cause of freedom. Let us demonstrate our belief in, and support of, those who are fighting

the battle for freedom in the Republic of Vietnam.

The principles of freedom and human dignity for which they are fighting today are no different from those for which their fathers and grandfathers fought. They are basic conditions of our national life and our Nation's Armed Forces always stand ready to pay the cost in order that all Americans may enjoy the blessings of freedom.

Veterans Day is the time for young and old alike to honor our veterans—past, present and future—and pledge our full and unwavering dedication to the principles for which so many have sacrificed so much. (AFPS)

FIRST U.S.-JAPANESE Santama Symposium on Community Affairs was held at Tachikawa AB, Oct. 13. Symposium was designed to bring Santama Regio civic leaders and Kanto Base Command military officials together for exchange of ideas and general familiarization of inter-relationships between military and civilian communities in area west of Tokyo. (AFPS)



COMPANY IS TOPS — Continuing his company's fine record is Lt. Michael A. Stankovich, who assumed command of the 7th Enlisted Training Company of the School Troop Command at the Missile and Munitions Center, Aug. 18. Since he assumed command, the 7th ETC has received the 2nd Battalion honor company award for three months in a row. Lt. Stankovich's home is in Elkhart, Ind. He was graduated from Graverhet High School in Marquette, Mich. in 1964 and won his commission at the Officer's Candidate School at Fort Benning, Ga.

Engineering Mgt. Section, IEEE To Meet

The Engineering Management Group of the Institute of Electrical and Electronic Engineers will initiate a new series of meetings beginning at the Redstone Officers' Open Mess Nov. 15 at noon.

The concept behind this series, according to Group Chairman Harry F. Vincent, is to select speakers who will present principles of engineering management from the diverse viewpoints of universities, government and industry. Vincent is Project Director of Research and Development at the Army Missile Command.

Dr. Merritt Williamson, Director of the Center for Engineering

Well Done

TO ALL PERSONNEL:

The 1968 Combined Federal Campaign has officially come to a successful conclusion. Again, employees of the Federal Government have demonstrated their concern for those persons less fortunate than themselves who are assisted through the participating local, national and international charitable organizations.

With post-campaign contributions and payroll deduction authorizations still trickling in, more than 98% of Army, Thiokol and Rohm and Haas personnel at Redstone Arsenal have participated in the campaign and have contributed or pledged more than \$281,000.

Much of the credit for this year's campaign attainments can be attributed to efficient pre-campaign planning, conscientious solicitors and the desire of our personnel to share. All campaign workers and all participants have my sincere thanks as general chairman of the campaign for a job well done and a responsibility accepted with generosity.

CHARLES W. EIFLER
Major General, USA
Commanding General
U. S. Army Missile Command



Laser Research Meeting Set This Week At Arsenal

The Army Missile Command is hosting a two day meeting this week to review the Army's laser research program.

Discussing their research for the U. S. Army Research Office will be the following chief investigators: Prof. Arthur Schawlow of Stanford University, "Spectroscopy of Ions in Solids"; Prof. William Bennett of Yale University, "Gas Laser Research"; Prof. Sven Har-

man of Columbia University "Photon Echoes"; Prof. A. T. Forrester of UCLA, "Photoelectric Mixing"; Dr. P. P. Sorokin of IBM, "Saturable Dye Lasers."

W. B. Jennings, Jr., of the Missile Command's Physical Sciences Laboratory and Dr. Harold Jacobs of the Army Electronics Command will review the laser programs of their respective commands.

Maj. Gen. Charles W. Eifler was to welcome the visitors to the Arsenal this morning.

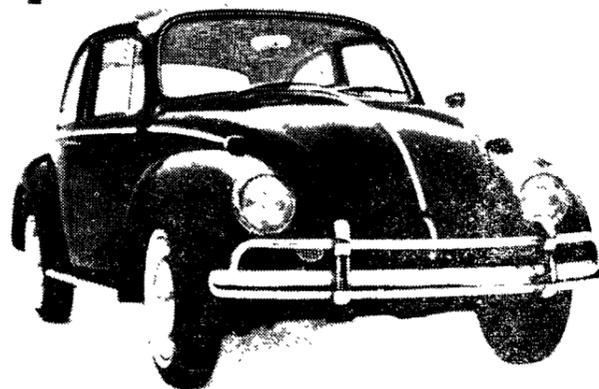
The group is scheduled to tour the Missile Command gas laser facility tomorrow.

Coordinating the meeting for the Missile Command is Norman Shapiro, Deputy Director, Physical Sciences Laboratory, Research and Development Directorate.

Management at Vanderbilt University, will be the speaker. His topic will be "Performance Counseling."

Tickets and reservations may be obtained by calling Robert Martin of Astro Space Laboratories, 837-5830.

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FAMILY

(Continued From Page 1)

troop was conducting an aerial cordon of the village of Chanh Long. Three insurgents were spotted attempting to flee from the village. PFC Gentle's platoon was landed by helicopter to apprehend them.

Almost immediately after disembarking from the aircraft, the friendly unit was taken under intensive fire. PFC Gentle disregarded his personal safety to rescue a buddy and administer first aid before he returned to battle with the insurgents who were overrun.

The Bronze Star Medal was awarded for outstanding meritorious service in connection with ground operations against a hostile force in the Republic of Vietnam from April to August 1967.

In part the citation reads: "Through his untiring efforts and professional ability, he consistently obtained outstanding results. He was quick to grasp the implications of new problems with which he was faced as a result of the ever changing situation inherent in a counterinsurgency operation and to find ways and means to solve these problems. The energetic application of his extensive knowledge has materially contributed to the efforts of the United States Mission to the Republic of Vietnam to assist that country in ridding itself of the communist threat to its freedom."

Also present for the ceremony were four sisters from the Scottsboro area: Mrs. Bill Higginbotham, Mrs. Rachel Hasting, Mrs. Ras Warren, and Mrs. Harlan Griffin. PFC Gentle was the youngest of seven children.



"WE CARE" PACKAGES SHIPPED—Two large boxes containing a music distribution system, patio items and hundreds of smaller gifts donated by individuals and organizations left Huntsville last week for the 93rd Evacuation Hospital in Vietnam. The hospital has been adopted by Huntsville and Madison County citizens. On hand to see that the shipment got a good send off were (from left to right) Paul Carter, TIME Freight; Bob Ryan, President, National Defense Transportation Association; Jim Allen, Manager, Decatur Transfer & Storage; Maj. Gen. Charles W. Eifler, Commanding General, U.S. Army Missile Command; Huntsville Mayor Glenn Hearn; Mrs. Harry E. Miller, Red Cross; J. C. Walker, Executive Vice President, Huntsville-Madison County Chamber of Commerce; Dr. W. M. McKissack, President, Huntsville-Madison County Chamber of Commerce; Madison County Commissioner Board Chairman James Record; and John W. Houtz, Community Chairman, Operation "We Care."

Professor Rowan To Talk To Professional Engineers

The Alabama Society of Professional Engineers will meet for the annual Engineering Educational Program tomorrow at the Holiday Inn, West, with dinner scheduled for 7:00 p.m. and talk at 8:00 p.m.

Professor William H. Rowan, Chairman of Department of Civil Engineering, Vanderbilt University, will speak on "Engineering Education." Interested students from all three high schools and the Vanderbilt Alumni Association have been invited to participate.

Rowan is a nationally recognized civil engineer, educator, author, inventor, lecturer, and formerly served on the Tennessee State Board of Architectural and Engineering Examiners.

The membership welcomes interested professionals and students to hear the professor. Reservations

can be made by calling Bob Trenkle at 876-7878 or 536-8735.

PROCUREMENT FAIR SET

The Army Missile Command's next Procurement Fair will be on Wednesday, Nov. 15, in Bldg. 4488. The Fairs are planned to give potential qualified contractors an opportunity to examine current procurement needs at one time and in one place.

The number of procurement packages for this Fair and their approximate value will be announced later.

PERSHING

(Continued From Page 1)

under the Pershing 1-A program. Management of the Pershing is under the U. S. Army Missile Command with Lt. Col. Edwin A. Rudd as Project Manager.

An earlier contract awarded a \$10,351,000 contract to Martin Marietta for industrial engineering support of the Pershing Missile System.

This work, also will be performed by the Orlando Division with the cost plus incentive fee contract covering the one year period to Sept. 30, 1968.

SHILLELAGH

A \$2,951,200 U. S. Army contract has been awarded to the Aeronutronic Division of Philco-Ford Corporation to supply support equipment for the Shillelagh guided missile system.

Under the contract, Aeronutronic will provide test sets for the Army's new tank killer. Work will be done at the company's plant at Newport Beach, Calif.

Shillelagh is a gun-launched guided missile system being developed for the Army's armored vehicles. The 152mm gun-launcher can fire either missiles or conventional ammunition.

The Shillelagh program is managed by the U. S. Army Missile Command, Redstone Arsenal, Ala., under Col. Spencer R. Baen, Project Manager. Aeronutronic is prime contractor.

The U. S. Army Missile Command has announced award of a \$2,150,000 contract to Rohm and Haas Co. for exploratory development work on propellants. The work will be performed over a 12 month period at the company's Redstone Arsenal Division.

Technical supervision of the contract will be under the direction of the Missile Command Research and Development Directorate.

FAAR (RADAR)

Test equipment for the Forward Area Alerting Radar (FAAR) will be covered by a \$726,000 development contract recently awarded by the U. S. Army Missile Command. Sanders Associates received the contract for work to be performed in their Bedford, Mass. plant.

FAAR is a portable radar designed to provide early detection of attacking enemy aircraft, primarily for the Chaparral air defense guided missile system.

Technical direction of the program is under the Missile Command's Chaparral Management Office headed by LTC Donald Steenburn. The Project Manager of the Vulcan/Chaparral is Col. R. C. Daly, Army Materiel Command, Washington, D. C.

The Missile Command Procurement and Production Directorate negotiated the contract awards. Col. S. C. Holmes is the P&P Director.

FIVE

(Continued From Page 1)

Medal for service as Chief of the Ammunition Division and later as Deputy Director of Supply and Maintenance, Eighth U. S. Army Support Command from September 1966 to August 1967.

1st Lt. Robert A. Loy received the Army Commendation Medal for his outstanding service while on tour in Vietnam between August 1966 and August 1967. Lt. Loy is presently assigned as chief of the Maintenance Branch of the Ammunition Department at MMCS.

The Outstanding Performance Rating Award was presented to Mrs. Doris F. Olson, of the Office of the Secretary, MMCS.

PFC Juan Granados was recognized as the Soldier of the Month at the ceremony. PFC Granados is attached to the 1st ETC, STC at MMCS.

Phone Conversion Extends To Feb. 1

The Army has announced that the scheduled effective date for converting Redstone Arsenal's telephone service from Government to a common carrier operation has been extended to Feb. 1, 1968. It had originally been scheduled for November 9, 1967.

Several unresolved issues requiring more time for negotiation coupled with administrative efforts needed to consummate the arrangements have made the extension necessary.

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SPRINT

(Continued From Page 1)

Development of ABM system components is being managed by the Nike-X Project Office, Redstone Arsenal, Alabama. Western Electric Company is the prime contractor. Martin-Marietta Corporation's Orlando, Florida, Division is the principal subcontractor for the Sprint missile.

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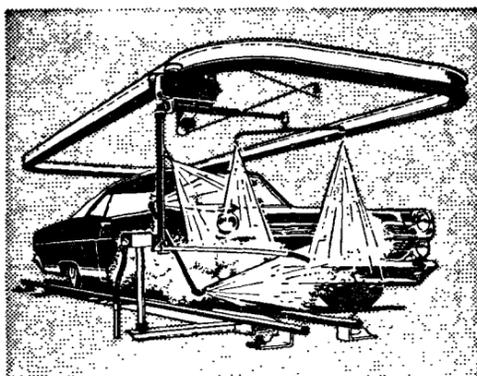
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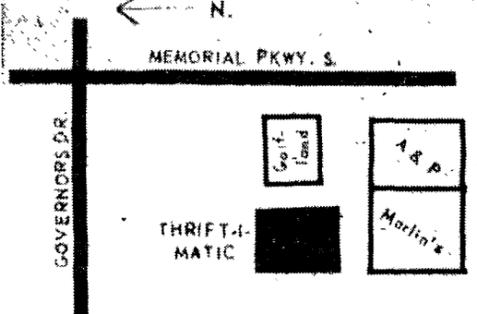
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Fashion Show Set Tuesday At Club By Officers Wives

The Redstone Arsenal Officers Wives Club will view fashions for winter during the November lunch next Tuesday at the Redstone Officers Open Mess.

In charge of the event is Mrs. S. C. Holmes, chairman, and wives of officers assigned to the Procurement and Production Directorate.

Coordinator and commentator for the show will be Barbara Commiso, local TV personality. The clothes from Pizitz will be modelled by members of the wives club. Models are: Mrs. S. H. Abernathy, Mrs. James Lothrop, Jr., Mrs. E. W. Powell, Mrs. Gene Totri, Mrs. W. R. Dearborn, Mrs. M. B.

Haney, Mrs. J. M. Kay, Mrs. John Marshall and Mrs. John J. Vietas. Because the seating is limited, members will be allowed one guest each.

Reservations must be in the hands of some member of the committee by noon Nov. 10. Cancellations will be accepted by Mrs. G. P. Higdon, 837-5759 until noon Monday.

Handling reservations are: Mrs. B. P. Rosseau, 837-1904; Mrs. R. W. Scott, 837-4159; Mrs. L. D. Smith, 837-4907; Mrs. W. R. Sherron, 837-3713. Mrs. G. P. Higdon, 837-5759 will accept cancellations until noon Monday.



A-OK ARRANGEMENTS—Maj. Gen. and Mrs. C. W. Eifler pose with committee chairmen at the recent Harvest Ball. From left they include: CW4 Joe Joseph, food; Mrs. W. F. LaHatte, entertainment; Mrs. Eifler; General Eifler; Mrs. C. C. Harvey, honorary chairman; Mrs. Joseph Churan, decorations; Mrs. F. H. Niedermeyer, publicity, and Col. Robert Van Wert, seating and tickets.

NCO Wives To Hear Moran Talk On Holiday Highlights

Mrs. Betty Moran, a professional home economist, will present a program "Holiday Highlights" following a business meeting of the Redstone Non-Commissioned Officers Wives Club Nov. 9 at the NCO Open Mess. The meeting begins at 7:30 p.m.

Her program offers new innovations for the holiday season including fancy entertaining with holiday brunches and mistletoe buffets. Slides, featuring festive holiday entrees and centerpieces

will be shown. Recipe booklets will be available to all attending.

The guest speaker, a representative of a Dallas, Texas company, received a B. S. degree in Home Economics from North Texas State University and a masters degree from Texas Technological College.

Her program is especially designed for military wives.

The Nov. 30 social meeting of the Wives Club will feature a white elephant sale and a demonstration on ways to serve wines. A representative of a Montgomery, Ala. firm will provide the program on wines. The meeting will start at 7:30 p.m. at the NCO Open Mess.

Senior NCOs Scheduled For Briefing

Senior NCO Command Information Briefings for all enlisted ranks E-6 through E-9 assigned to the School Troop Command, Army Missile and Munitions Center and School are scheduled for 2 p.m. on Nov. 13, 15 and 17 at the post theater.

Col. J. L. Keown, Commanding Officer of the School Troop Command, will present a "Report on the Status of the Command." SGM H. L. Howell, senior NCO in the School Troop Command, will introduce Col. Keown at the briefings.

Ave Maria Grotto To Be Visited By Service Club Tour

The Post Service Club will sponsor a tour to Ave Maria Grotto for enlisted men on Sunday. The bus will leave the Service Club at 9 a.m. and return at 5:30 p.m.

The Ave Maria Grotto is a beautifully landscaped park that provides a natural setting for 125 miniature reproductions of some of the most famous historic buildings and shrines in the world. These masterpieces of stone and concrete are the lifetime work of Brother Joseph Zoetti, a Benedictine Monk of St Bernard Abbey and College.

Among the numerous replicas built by Brother Joseph are famous building of Jerusalem and the Holy Land, Roman landmarks, Spanish Missions and replicas of the famous Shrines of our Lady, Fatima and Lourdes.

Ave Maria Grotto is located on the campus of St Bernard College at Cullman.

A picnic lunch will be furnished.

Harvest Ball Funds To Go To Charity

The ballroom of the Redstone Arsenal Officers Open Mess was transformed into an autumn festival of color for the Fifth Annual Harvest Ball sponsored by the Officers Wives Club under the honorary chairmanship of Mrs. Clarence C. Harvey.

Mrs. Joseph Churan headed the decorating committee assisted by LTC John Thompson, Mrs. C. L. Foster, Mrs. S. R. Baen, Mrs. Richard Hart, Mrs. Ben Powell, and Mrs. Lewis Kittle. They gave an authentic harvest atmosphere to the evening festivities with colorful leaves, nuts, corn, and scarecrows.

Frankie Schenk and his band provided music for dancing in the

light of the harvest moon.

Colonel Robert Van Wert and 1LT Timothy Radigan were in charge of the seating arrangements and ticket sales. CW4 Joe Joseph supervised the elegant menu and serving of the food which was accomplished in record time.

The highlight of the evening featured a return engagement of the Pink Pebblestone Players. A nautical theme was chosen for the floor show, and the master of ceremonies, Ray Jones, looked as though he had just returned from the deep.

Mrs. John Redmon opened the show by singing "Minnie the Mermaid" while Mrs. E. S. Totri portrayed the beautiful deep-sea creature.

A melodrama, "The Lighthouse Keeper's Daughter," directed by Mrs. W. F. LaHatte, was presented by the Players—Chaplain and Mrs. J. P. Kirkland, Maj. G. P. Higdon, Col. S. R. Baen, and Mrs. W. Kulbacki.

Mrs. G. P. Higdon, Mrs. S. R. Baen, Mrs. K. G. Martin and Col. J. G. Redmon were in charge of properties. Mrs. J. B. Mumford played the organ.

The Barnacle Bills—Lt. G. L. Brown, Maj. G. B. Kuykendall, Capt. J. B. Mumford, Lt. C. R. Rodwell, Col. J. G. Redmon, and LTC E. A. Rudd, under the direction of Mrs. M. W. Pettit, made their first appearance at Redstone Arsenal.

The Fifth Annual Harvest Ball was a tremendous success and will be remembered for years to come. Proceeds from the ball will be divided between the widows fund of the Army Distaff Hall and charitable purposes in the Huntsville and Redstone Arsenal area.

Red Cross Offers First Aid Course

An American Red Cross First Aid course will be offered at the Post Chapel in the social room on Monday, Nov. 13, Thursday, Nov. 16 and Monday, Nov. 20.

The basic ten hour course is from 7 to 10 p.m. on Nov. 13 and from 7 to 10:30 on the other nights.

All military personnel and their dependents and interested civilians in the area may attend. Anyone wishing to attend should register by calling Margaret Kelly, 833-0456.

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TOFTOY

(Continued From Page 1)

two men who gratefully acknowledged their personal and professional debt to Gen. Toftoy.

Dr. Wernher von Braun attributed his successful career in the United States to Gen. Toftoy who brought him and 125 other scientists to this country 22 years ago.

Dr. von Braun pointed out that the free world's first satellite, Explorer I, was designed and built by the Army while Gen. Toftoy was in command here. He noted, as he spoke, that the Explorer, launched by the Army almost ten years ago, is still in orbit—and was at that moment passing over Kwajalein Island in the Pacific where the Army is now conducting highly successful tests of the Nike-X anti-ballistic missile system soon to be deployed.

Maj. Gen. Charles W. Eifler, now commanding general of the Army Missile Command—an outgrowth of Army agencies established by Gen. Toftoy—said it is doubtful if the Army would ever have attained its position in the missile business today without the dedication and perseverance of Gen. Toftoy. He noted also that Gen. Toftoy's efforts resulted in the selection of Redstone Arsenal as the central site for all Army missile and rocket work.

In a printed program circulated to the 500 guests, who included almost 100 members of the original von Braun scientific team in Peenemunde, Germany, Col. Paul B. Schuppener, MMCS commandant, noted that the \$95,000,000 school itself was established with the help of Gen. Toftoy and has now graduated more than 50,000 students from all branches of the U.S. Armed forces and 31 foreign nations. This figure, he said, is 2.5 times the number of inhabitants of Huntsville when the school was established in 1952.

Maj. Charles N. Toftoy and Mrs. George K. Williams, Gen. Toftoy's son and daughter, attended the ceremony.

Also present were three former commandants of the school: Brig. Gen. Erwin M. Graham, now commander of the Army Ordnance Center and School at Aberdeen, Md.; Gen. Eifler; and Col. Henry S. Newhall, USA Ret., of Daytona, Fla.

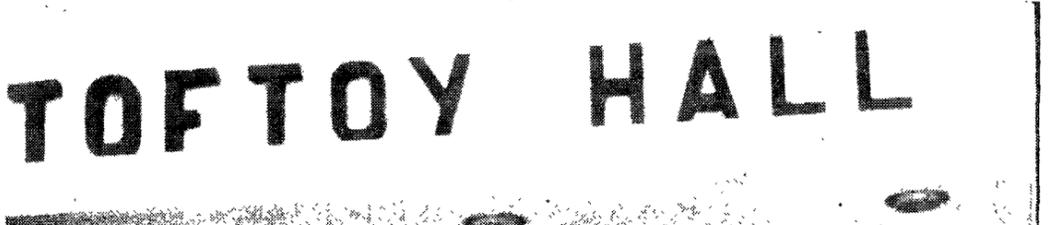
The U.S. Continental Army Command, which controls MMCS, was represented by Col. B. J. Tutin of Fort Monroe, Va. The bad weather prevented Lt. Gen. J. L. Throckmorton, commander of the Third U.S. Army in Atlanta, from landing here.

At the conclusion of the ceremony, Mrs. Toftoy presented to



A

TOFTOY HALL DEDICATION — These pictures captured the spirit of the dedication of Toftoy Hall held at the Army Missile and Munitions Center and School here last Friday. (A) Some 500 leaders of the nation's missile and space programs and prominent citizens of Huntsville gathered in front of Toftoy Hall to honor the late Maj. Gen. Holger N. Toftoy, missile and space pioneer and founder of Redstone Arsenal. (B) Highlight of the ceremony came when Mrs. Hazel Toftoy, the general's widow, unveiled the inscription above the entrance to the building. From l. to r. are Mrs. Toftoy, Dr. Wernher von Braun, director of the Marshall Space Flight Center; Maj. Gen. Charles W. Eifler, commanding general of the Army Missile Command; and Col. Paul B. Schuppener, MMCS commandant who presided at the ceremony. (C) A bronze plaque and portrait in the lobby of Toftoy Hall are viewed by Dr. von Braun, Mrs. Toftoy, Gen. Eifler and Col. Schuppener.



B

Col. Schuppener the U.S. flag which covered Gen. Toftoy's casket during his funeral. The flag will be preserved in Toftoy Hall.

Following the ceremony, J. Burl Galloway, president of the Tennessee Valley chapter of the Association of the U.S. Army, acted as host at a luncheon at the Officers Club for the official party and members of the "Fort Bliss Old Timers", the original members of the Peenemunde team.

At the luncheon, Col. Schuppener presented a book containing the signatures of all the guests at the ceremony to Mrs. Toftoy.

During the weekend, members of the "Old Timers" group and leading citizens of Huntsville, including Dr. von Braun and Gen. Eifler, flew to Washington where on Monday afternoon a stone memorial was placed on the grave of Gen. Toftoy. He died last April in Washington and was buried with full military honors in Arlington National Cemetery.

AIR FORCE HAS authorized some of its commissaries to hold inventories twice a year instead of monthly. AF commands will designate one commissary each to make tests of the twice-a-year closing. In these stores, AF shoppers will have 10 more days each year for shopping. Trial, which begins this month, runs until next July. Book inventories will be conducted in months stores are not closed. (AFPS)



C

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Marauders Crack Strong Rocket Defense For Win

Taking advantage of every possible break, the MICOM Marauders took a long stride toward wrapping up the Redstone unit level football league crown last Friday with a 16-0 win over the Third Battalion Rockets.

It was the fifth win in six starts for the Missile Command eleven and the second loss, both to MICOM, for the challenging Third Battalion crew. The first Battalion Raiders handled the UTC Humpers, 50-22, on Saturday.

The two teams slugged it out almost on even terms through most of the game with the Rocket defense suffering two lapses. And each time Hal Griggs was there to take advantage of the opportunity by threading the needle with an aerial to one of his receivers.

The first chance came midway in the second quarter when Brad Jolley outscrambled a Rocket defender and grabbed a pass to complete a 40-yard scoring maneuver. Both Jolley and the defender had possession of the ball as it bounced back and fourth between them before the speedy flanker was able to gain control and race into the end zone.

Late in the game Griggs was back in business with a pass over the center that Mike Camping latched onto and hauled 35 yards for the final score.

Griggs connected with Jolley for the conversion following the opening score and Ray Dixon scooted around end for the second two-point conversion.

The Raiders and the Humpers played a fairly even first half with the former leaving the field at the intermission with a 20-16 lead. But that was as far as the UTC team got with the First Battalion turning the game into a rout with four

touchdowns in the third period. Led Johnson and Bill Cox scored twice apiece for the winners with Jim Lerner, Denny Lomas and Lenny Davidson each accounting for one touchdown.

Earl Huff, Mel Bratton and Ricky Cooper made trips into the end zone for the Humper points.

Ruggers Open Home Stand On Saturday

Boasting four wins in five starts the Redstone Rugby Club will open a three-game home stand on Saturday afternoon when they take on Birmingham at the Arsenal soccer field on Patton Road.

Ft. Jackson will provide the opposition on Nov. 18 with Atlanta coming here for a game on Nov. 25. All three games will begin at 3.

The Arsenal ruggers captured their fourth win of the current season when they journeyed to Atlanta last Sunday and handed the Duke University team a decisive 24-0 setback.

Leading Redstone to victory were Andrea Nageon de Lestang with two penalty tries. Frank Coble had a pair of tries while Dave Olmschenk, Scott Duguid and Ray Durbin accounted for a try apiece.

Hawks Cut Rates For Servicemen

In conjunction with observance of Veteran's Day this Saturday, the local Alabama Hawks of the Professional Football League are offering special ticket prices to servicemen.

General admission to the Hawks' game with the Des Moines Warriors will be \$1 to members of the armed forces in uniform. Game time is 7:30 p.m. in Milton Frank Stadium.

Part of the ceremonies at half-time will include the honoring of veterans representing WWI, WWII, the Korean War and the Vietnam conflict.

The Hawks have clinched the western division championship of the PFL and are supported by an affiliation with the NFL Atlanta Falcons.

The opposing Des Moines Warriors bring a team, well-stocked through a working agreement with the NFL Minnesota Vikings.



A DAY FOR QUARTERBACKS—A highlight of the annual Pee Wee football banquet last Saturday was the awarding of the most valuable player trophies. Bill Buckner (far right) who quarterbacked the local professional Hawks, made the presentation to the signal callers on the three Assenal teams. The award winners, in the front row are: Steve Joslyn, of the 110-pound Mustangs, Brad Shuput, who guided the 95-pound Rams, and James (Bo Bo) Bearden, who directed the offense for the 80-pound Hawks. Their coaches, standing to the rear of their respective players are, Earl Joslyn, James Jones and William Willis.

Honor Junior Gridders, Cheer Leaders At Banquet

Thirty players received special awards as a highlight of the annual Redstone Pee Wee League football banquet held last Saturday at the NCO Club in honor of the three teams that represent Redstone Arsenal.

Each youngster who participated for the Hawks (80-pounds), Rams (95 pounds) and Mustangs (110 pounds) received a personal trophy from Lt. Col. Robert T. Ash, Jr., the chairman of the Joint Activities Council which sponsors the Little League program. The three teams competed in the Huntsville Parks and Playgrounds system against other city teams.

A most valuable player was selected for each team by the vote of his teammates, and in each case it was the quarterback: James (Bo Bo) Bearden of the Hawks, Brad Shuput of the Rams, and Steven Joslyn of the Mustangs.

The players also selected an outstanding lineman and back from both the offense and de-

fense for recognition: offensive linemen were Bill Willis (Hawks center), Greeley Kyle (Rams center) and Zachary Golden (Mustangs end); defensive linemen were Larry Joe Silence (Hawks end), Mike Howell (Rams tackle and Ray Nichols (Mustangs linebacker); offensive backs were Donald Kane (Hawks fullback), Gus Steenborg (Rams fullback) and Terry O'Connor (Mustangs fullback); defensive backs were Mike Lucian (Hawks cornerback), Craig Willis (Rams cornerback) and Kenneth Joslyn (Mustangs cornerback.)

A new feature this year was the sportsmanship award, presented to five men from each team who "showed more than average desire to participate." The criteria set forth for this award included "devotion to the game both on and off the field, continued presence and participation in practice and scheduled games, showing leadership and rendering assistance to fellow players, and playing the

game to the best of ability at all times."

Winners picked by the coaches: Bill Willis, Donald Kane, Milton Love, Robert Galley and Danny Jenkins of the Hawks; Mike Williams, David Jenkins, Mike Tillyer, Frank Bragg and Gordon Pigg of the Rams; Ray Nichols, Mike Johnson, Mike Clardy, Kenneth Joslyn and Rich Daquila of the Mustangs.

Over 30 cheerleaders who supported the teams were also introduced to the parents and officials in attendance, along with the head coaches—SFC William Willis (80), James Jones (95) and CWO Earl Joslyn (110).

Featured speaker for the event was Bill Buckner, quarterback of the local Alabama Hawks professional team whose career spans all-American mention at East Mississippi Jr. College and Delta State in his home state.

Buckner, who came to the Hawks after a tryout with the Atlanta Falcons, keynoted his speech by relating his experiences in the Fellowship of Christian Athletes which "confronts athletes and coaches, and through them the youth of America to promote the fellowship of Christ and the Church."

Teams Sought For CWF League

Preliminary planning for the 1967-68 Civilian Welfare Fund basketball season has been initiated and the call is out for organizations to submit their entry for the league season.

Sid Douglas is handling the preliminary plans for setting up the league and he said that organizations expecting to enter teams should make their plans known by calling him at 876-3844.

He said that a meeting will be called as soon as possible to iron out scheduling matters.



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Spares Pad Lead In Comp Center

A long, cold winter is becoming more evident each week for nine of the ten entries in the Comp Center Mixed bowling League.

The Spares are responsible for the present dire hopes of their competitors and they are making like they intend to wrap up the league crown sometime around Christmas.

Last week the Spares made it six sweeps in nine nights of bowling by brushing aside the threat mounted by Courts and Co. to close out the first round with a full ten point lead.

Randy Sumner did his best to stem the Spare tide with a 235 game and a league leading 552 total. But his efforts went for naught when Gene Matthews rolled games of 200 and 202 for a 551 total.

The Lucky Strikes remained in second although held to a split by Fortren IV and the Skunks broke even with the Strike Outs, with Joe Bennett setting the pace.

Norma Street and Don Duchess led the Bad Gnus to a 3 to 1 win over the All-Sports who were paced by the feminine half of their attack, Sue Todd and Dottie Spruell. Huntsville Realty dropped all four to the Hawks in the final match of the week.

Rod And Gun Club Sets Turkey Shoot

The first of two scheduled Turkey Shoots sponsored by the Redstone Arsenal Rod and Gun Club is slated for the weekend. The second shoot is slated for the second weekend of December.

There will be a variety of events planned (children and ladies) provided the attendance is sufficient. The children's shoot will be held at 2 p.m.

The shoot will be held at the small bore range with the general public invited to compete. Shooting will start at 10 a.m. and continue until dark and a door prize will be given away at the end of the day. Club members will be present to assist beginners.

Club officials indicated that contestants would be permitted to use their own shotguns provided they are 410, 20, 16, 12 guages with no more than 30 inch barrel. Shells will be furnished.

Club membership is open to all active duty and retired military personnel.

Eligible personnel desiring additional information may contact present members at the Shoot.

MICOM Gals Nab City League Lead

An effective job of defending together with timely shooting were the winning ingredients last week as the Missile Command took over the lead in the Huntsville Women's Industrial basketball league race.

The CWF-sponsored MICOM team captured their third straight league win with a last ditch rally at the expense of the IBM sextet, 52-49.

The MICOM girls met GE this week and are scheduled to tackle the strong Boeing six next week. All league games are played on Monday evenings at the Joe Bradley gym on Triana Blvd.

Trailing 43-46 with less than two minutes to go, MICOM countered with a pair of goals by Yvonne Marks and another by Gladys Hill while their defensive trio was limiting IBM to a single free throw.

Yvonne poured 29 points through the net to take scoring honors by a single point from the IBM star, Tic Harrison. Gladys

connected for 20 and Betty Young aided the loser's attack with 16.

Wynell Newton accounted for two points and Pat Jones completed the MICOM scoring with a charity toss.

After starting the game in the fore court, Pat was shifted to the

defensive platoon in the second quarter where she joined Linda Jones, Paula Legg, Helen Smith and Jackie Carswell in slowing down the fast moving IBM attack.

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MICOM Wins Safety Award

For the third consecutive year the Army Missile Command has been awarded the AMC Award of Merit for Safety. Maj. Gen. Charles W. Eifler, Commanding General of MICOM, received the citation from Gen. Frank S. Besson, Jr., Commanding General of AMC, during recent ceremonies at Aberdeen Proving Ground, Md. The Award is given each year to the top 20 percent of AMC installations for outstanding achievement in safety.

Cage Clinic Reset For November 20

The Special Services Office has rescheduled its annual basketball officials clinic for the week of Nov. 20 with sessions set for the Service Club on Monday, Tuesday and Wednesday.

The clinic will be conducted for the benefit of officials and coaches in the unit level league. Sgts. Bill Heizer and Irv Lyles, who will conduct the clinic, said that all coaches and officials should make it a point to attend and that players will probably find the sessions profitable.

They recently returned from the Third Army Clinic and report that there are a number of significant changes in the rules for the coming season.

Rejectors Share AMC League Lead

The already crowded situation at the top of the AMC bowling league standings became even more so last week with the addition of a third claimant for the lead.

The All-Sports Trophies and the Voyagers went into their match all even and they ended in exactly the same shape after splitting four points evenly. This enabled the Rejectors to grab a share of the lead after a 3 to 1 win over the T-Birds.

The Lancers and the Stars scored sweeps with the Raiders and the Bombers as their respective victims while the Avengers, Alley Cats and Travelers each scored 3 to 1 victories.

The latter outfit provided most of the noise for the evening as they shot games of 1031 and 1016 and totaled 3036 in whipping the Packers. George Johnson was their kingpin with a pair of 202's and a 573 total.

Hal Madry paced the All-Sports in their duel for the lead with a 560. His mates backed him with a 1043 opener that was worth two points, despite the Voyagers win in each of the last two games.

Jim Kyzer, Gary Hooper and Sim Anderson combined to make it a dismal evening for the Bombers while Joe Leary and Ken Champagne were the chief instigators in the Lancer sweep.

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200	36.92	20.09	14.54	11.81	1500	137.80	72.80	59.80
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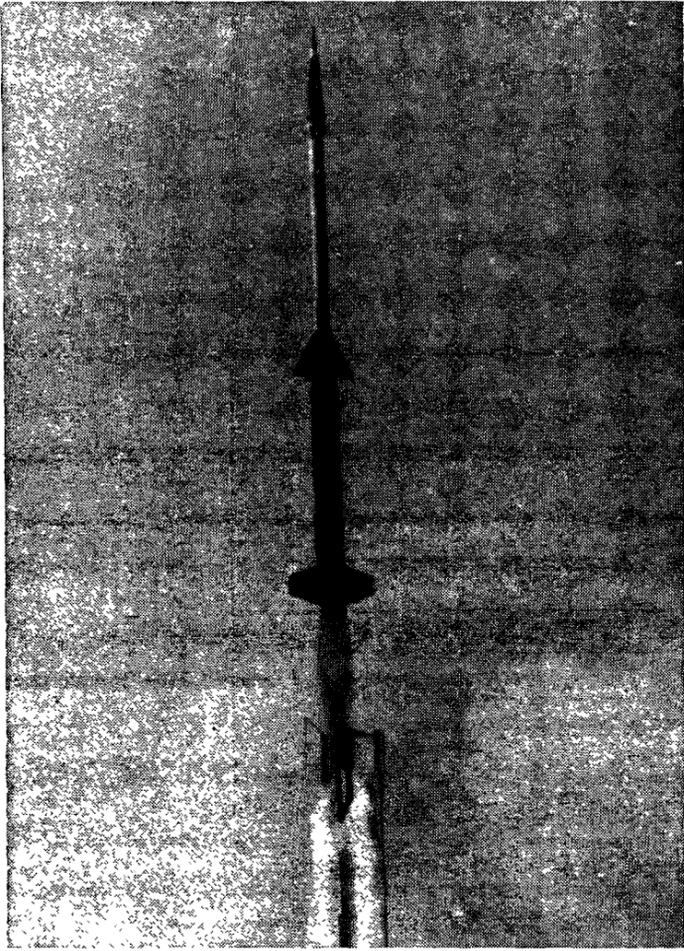
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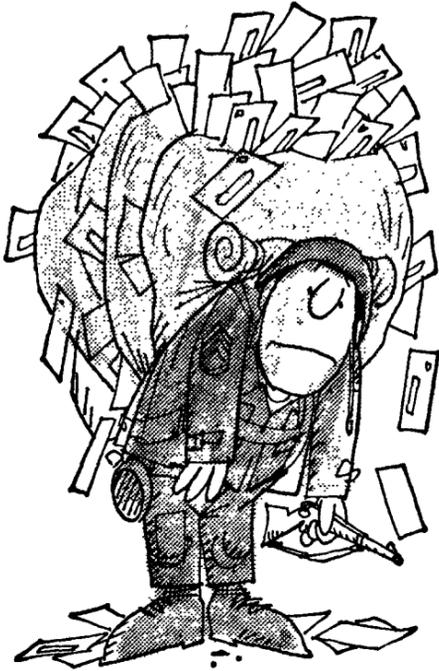


PRESTAGE FIRING—An experimental payload, mounted atop a two-stage rocket, is shown at White Sands Missile Range, N.M., in one of a series of research tests called Project PRESTAGE. The recently completed program was managed by the U. S. Army Missile Command, as executive agent for The Advanced Research Project Agency of the Department of Defense, to study new control techniques for high performance interceptor vehicles. The program was part of ARPA's Project DEFENDER, a study of ballistic missile defense systems.

ARPA Complete Tests In PRESTAGE Project

The Advanced Research Projects Agency has completed a series of research tests known as Project PRESTAGE at White Sands Missile Range, N. M. The tests involved firings of experimental payloads into a high

velocity trajectory to study new control techniques for high performance interceptor vehicles. ARPA officials said test objectives of the PRESTAGE program were accomplished. The Missile Experiments



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DAR Chapter Sets Visit To Missile And Munitions Ctr., School

Maj. Burford F. Morgan of the local Combat Development Command Maintenance Agency will address the Twickenham Town Chapter of the Daughters of the American Revolution at the November 14 meeting to be held at the Army Missile and Munitions Center and School. The Major will speak to the ladies on "Developing the Army of the Future."

Col Paul B. Schuppener, Commandant of MMCS, and Mrs. Schuppener will greet the members of the Huntsville Chapter at Stilwell Hall.

Arrangements for the event were made by Mrs. Herbert W. Norton, the November project chairman of the local DAR chapter. Mrs. Norton has arranged for Army buses to transport the ladies from Parkway City Shopping Center to Stilwell Hall. The buses will leave Parkway City at about 9:30 a.m. and arrive at the meeting place on the Arsenal about 10 a.m., when refreshments will be served.

Mrs. Norton is the wife of Maj. Herbert W. Norton who is assigned to the Directorate of New Missiles and Literature at MMCS.

Branch, Advanced Research Projects Division, of the U. S. Army Missile Command's Research and Development Directorate, directed work on the program. The Douglas Missile and Space Systems Division of the McDonnell-Douglas Corp. designed and launched the payloads under contract to the Missile Command.

Payloads were boosted into a high velocity trajectory by a two-stage rocket, Nike Ajax for the first stage and a Tomahawk for the second. Both are standard sounding rockets.

The program was part of ARPA's Project DEFENDER, a continuing series of research experiments in ballistic missile defense systems. The Missile Command managed the program for ARPA, an agency of the Department of Defense.

WITH THE ELIMINATION of District of Columbia Engineer Commissioner position, man holding that assignment, Brig. Gen. Robert E. Mathe, has been assigned to office of Chief of Engineers, Army. (AFPS)

BLOOD DONORS Suggestors Possibly Will Benefit

In an awards ceremony conducted recently by Col. Paul B. Schuppener, Commandant of the Army Missile and Munitions Center and School, two units of MMCS received golden cups for Red Cross blood donations.

Accepting on behalf of the 42 members of the 227th Ordnance Detachment was 1LT Joseph K. Dolejsi.

Capt. H. J. Phelan received the cup for the 300 members of the MMCS Marine Detachment.

Theatre Schedule

WED., Nov. 8
"The Tiger and the Pussycat" (M)
THURS.-FRI. Nov. 9-10
"The Silencers" (M)
SAT.-WED., Nov. 11-15
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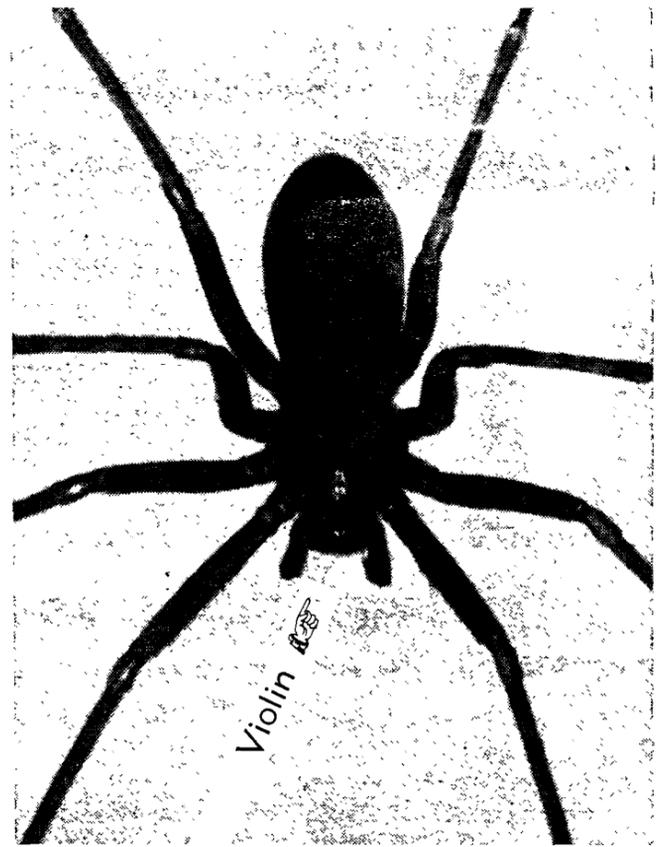
Winners of suggestion awards will benefit if a bill now in the House of Representatives becomes law.

New York Congressman Frank Horton has introduced a bill which would exclude from taxable income all suggestion awards paid to employees "under a formalized suggestion award plan which complies with such regulations as the Secretary of the Treasury may prescribe."

The proposal to amend the Internal Revenue Code is based on the premise that making a suggestion does not constitute performance of any duty which the employer ordinarily expects the employee to perform . . . that awards are paid for effort above and beyond job expectancy . . . that suggestions are voluntary . . . that participation in a suggestion system is not a condition of employment.

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Nuclear Physicist Chooses Assignment Here

He has only been at Redstone Arsenal since September, but 1st Lt. Donald Smith, a nuclear research physicist, is full of plans.

His activities will center around his new job with the U. S. Army Missile Command's Research and Development Directorate. As a nuclear physicist in the Physical Sciences Laboratory, he is working with Dr. T. G. Miller, chief of the Radiation Physics Branch, who is conducting experiments in neutron polarization with a Van de Graaff accelerator.

In addition to being an officer in the U. S. Army, Lt. Smith is a Doctor of Philosophy, holding a degree in nuclear physics from Massachusetts Institute of Technology, where he was also a research assistant.

He graduated in 1962 from Georgia Institute of Technology in a four-way tie for valedictorian,

and he held a Shell Oil Graduate Fellowship at MIT for the academic year 1965-66. Prior to attending MIT he was on the mathematics faculty at Georgia Tech.

Lt. Smith graduated in early September from the Ordnance Officers Basic Course at Aberdeen Proving Ground, standing first in the class academically.

When stating his preferences for Army assignments, Lt. Smith

chose the Missile Command from among several Army installations conducting research in his specialty. He says he is "well pleased" with the laboratory facilities, particularly with the electronic equipment.

"It will probably take a few months to get started on my own research program," he said, thinking of a number of possibilities.

He is considering extending work in particle-gamma ray correlations first initiated during his thesis research at MIT.

Another possibility would be to study charged-particle polarization, a program which would complement the neutron polarization studies presently being carried out at the Missile Command by Dr. Miller.

Lt. Smith is also studying the feasibility of using the Van de Graaff accelerator for applied research on radiation damage to thin film and electronic components.

Physics is his first interest, but if he can find the time, Lt. Smith hopes to follow up other interests while at Redstone Arsenal. These include investments and finance, tennis, golf and travel.

He took ROTC courses and was designated a Distinguished Military Graduate and granted a Regular Army Commission in 1951. Specializing in Artillery, he has commanded a Nike missile battalion, served as an ROTC professor at the University of Indiana and headed the 65th Ordnance Company in Korea.

His professional associations and honoraries include: Tau Beta Pi, Phi Eta Sigma, Sigma Pi Sigma, Phi Kappa Phi, Pi Mu Epsilon, Sigma XI, and the American Physical Society.

He has published a paper on his

work in nuclear spectroscopy at MIT. Two additional manuscripts have been accepted for publication in the near future.

Lt. Smith and his wife, Evelyn, whom he met while at MIT, are now living on the Arsenal.

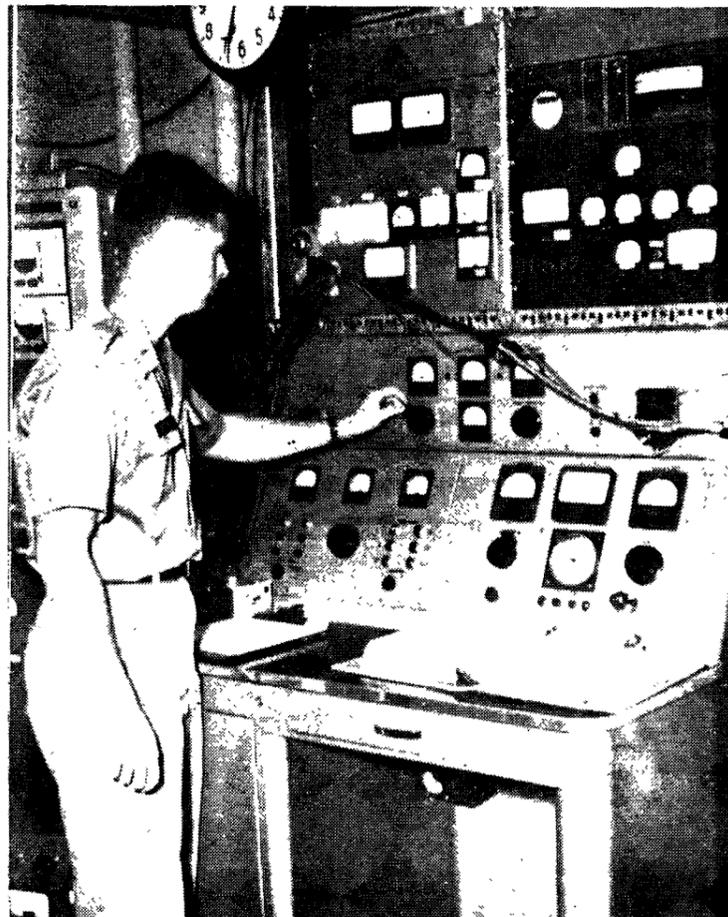
Redeye Officer To Address Grads Thursday Morning

A Missile Command Officer who holds a key position in development of a "personal" missile for every combat soldier will address 98 enlisted graduates of the Army Missile and Munitions Center and School here this week.

Lt. Col. Steven Dorehak, Jr., project officer in the system engineering division of the MICOM Redeye Project Office, will speak to the graduates from the U. S. Army and Marine Corps and Germany at a ceremony in Post Theater 1 at 9:30 a.m. tomorrow. The event is being held on Thursday because Friday is Veterans Day.

Lt. Col. Dorchak was born in Pennsylvania and holds the degrees of bachelor and master of science from Duquesne University and the University of Alabama. He began his military career as an enlisted man at the close of World War II and served in the Philippines and Okinawa. At Duquesne,

Drive Safely



AT THE CONTROLS—Lt. Donald L. Smith, research physicist with the U. S. Army Missile Command's Physical Sciences Laboratory, makes an adjustment at the control console of a Van de Graaff accelerator. He is one of several officers assigned to the command holding Doctoral degrees.

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School Starts New Class In Educational TV

The first regularly scheduled course in educational television to be offered by the Continental Army Command is now being given once each month at the Army Missile and Munitions Center and School here.

Known as the Television Applications Course, it is being offered for one week each month to Army officers and civilian educators who supervise, plan or manage instruction at 26 schools and 16 training centers throughout the nation at which the Continental Army Command this year is enrolling some 580,000 students.

The first class of 21 students from 19 other Army educational activities was held here from Oct. 16-20. The second and third sessions of four and one-half days are to begin on Nov. 27 and Dec. 11. About 20 students will attend each monthly session during the remainder of fiscal 1968. A five-year survey to determine training requirements has been conducted by the Continental Army Command.

The students here use an ultra-modern classroom in the MMCS Officer Training Department and two studios in the Television Department. They are taught how to determine the most effective educational use of the television medium as well as techniques and procedures for the actual production of classroom programs. One assignment is to script and produce a short educational television feature with students acting as instructors and actors and manning

cameras, controls and production equipment.

Officials said the Missile and Munitions Center and School was asked to prepare and present the new course because it has pioneered in educational television and achieved high professional quality since 1958. In that first year, MMCS produced historic educational telecasts on missile research, development and training that were transmitted live from its Redstone Arsenal studios to the cadet corps of the U. S. Military Academy at West Point, N. Y., to the National Press Club and the Pentagon in Washington and to the national television networks in New York City.

MMCS now transmits about 10 hours of televised instruction each school day. With the use of television expanding throughout its training activities, the Continental Army Command has also been using MMCS as a production center for several other schools. Mobile camera vans with the ability to make instantaneous recordings on video tape have been dispatched to several Army schools. Lessons on a wide variety of military subjects were prepared here for use at the Command and General Staff College, Chemical School, Womens Army Corps School, Infantry School, Aviation School and for special courses offered at Fort McClellan, Ala., Fort Benning, Ga., and Fort Polk, La.

Surveying its use of educational television, the Continental Army Command registered several results. Educational television speeds learning and increases retention of subject matter. Each student has a front-row seat during periods of instruction. One instructor can simultaneously teach several classes through use of multiple TV monitors. Bad weather does not delay instruction as mobile transmitters can be located in sheltered areas. Unlimited numbers of students can simultaneously view small and expensive equipment such as missile components and circuitry that otherwise could be seen by only a few students at one time. This avoids costly duplication of equipment for training purposes.

During the past year, the Continental Army Command invested \$3.7 million to expand its educational television facilities into 23 schools and 11 training centers. By next February, some television facilities will be available at all its training activities. Regional production facilities such as those at the Missile and Munitions Center and School will continue to provide production support over large geographic areas of the nation, producing video tapes for several schools in one region. The Army's television capability is already scheduled for further expansion during fiscal year 1969.



FIRST MALAYSIAN GRADUATES

Maj Pritam Singh Bal was congratulated by Col. Paul B. Schuppener, Commandant of the Army Missile and Munitions Center and School for becoming the first Malaysian Officer to graduate from MMCS.

Maj. Bal attended the Ammunition Officer course which graduated Friday. All told, 114 men representing nine foreign nations and the United States received diplomas at the ceremony. MMCS has now trained military personnel from 31 foreign countries.

BRASS DOUBLES IN—Training experts from 19 U.S. Continental Army Command schools and centers recently served as producers, actors, make-up men, script writers and cameramen as the Army Missile and Munitions Center and School held the first Television Applications Course to learn more effective ways to use educational television in military training. In picture A, students are producing a video tape feature on maintenance of the .45-calibre pistol. In Picture B, other students man the consoles in the MMCS-TV control room.

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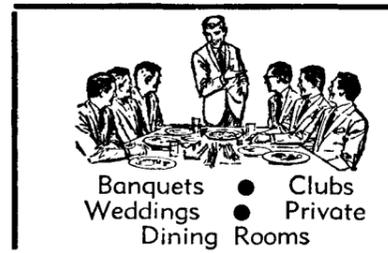
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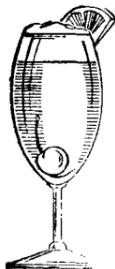
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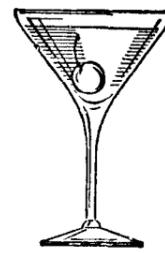
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Military Man Faces More Challenges Than Before Col. Tutin Tells Graduates

"Never before has a military man faced such a challenge as he does now," said Col. B. J. Tutin as he addressed 114 graduates of the Army Missile and Munitions Center and School Friday morning.

It is because of the power that technology has placed with the soldier in the form of weapons systems that were merely concepts just a few years ago, said Col. Tutin, who is director of operations in the Office of Individual Training at U. S. Continental Army Command in Fort Monroe, Va.

Speaking to officers and enlisted men from nine foreign nations and the U. S., Col. Tutin interpreted military might not in terms of equipment, but said it can be measured only to the degree that equipment is maintained in operational condition.

"Skilled manpower is the key to military might," he concluded. The students were called "well-trained VIP's" by their guest speaker as he offered three traits of character that will bolster their future endeavors.

"Call them VIP traits if you will: vigor, integrity and positive attitude," remarked the former University of Oklahoma professor of military science and tactics.

J. Burl Galloway, president of the Tennessee Valley chapter of the Association of the U. S. Army, presented special plaques to two honor graduates for achieving a course average of 96 or better. The recipients were Capt. John S. Scott of Sydney, Australia, who scored 96.6 in the ammunition officer course as the first Australian ever to attend MMCS, and Pvt. John Adams of Willingsboro, N. J., who averaged 96.2 in the ballistic missile repair program.

Other honor graduates recognized as first in their classes included Sgt. Maj. Karl Moeller of Germany (92.1, Hawk air defense missile technician), Staff Sgts. Yoshikatsu Ogawa and Takashige

Yakabe, both of Japan (tie, 89.9, Hawk continuous wave radar), Pvt. Garmy L. Mausten, Jr. of Kennewich, Wash. (95.9, ammunition storage), and Pvt. Ronald L. Herzog of Belleville, Ill. (89.8, ammunition renovation).

A highlight of the graduation ceremony was the playing by the 55th U. S. Army band of the national anthems for all ten nations represented by graduates: Germany, Japan, Malaysia, Guatemala, Australia, Denmark, Italy, Greece, Tunisia and the United States.

FOURTH AREA IN Red Sea where water reaches a temperature of 133 degrees fahrenheit has been discovered by Coast and Geodetic Survey ship Oceanographer. "Hot spots" are usually found below depths of 6,000 feet and salt content of water is almost eight times ocean's normal 3.6 percent. Scientists aboard Oceanographer collected almost 200 gallons of water from area and will analyze it in the attempt to determine causes of high temperature. (AFPS)



SUGGESTION PAYS—For a suggestion that will save an estimated \$17,000 the first year, SFC William Kirchdofer receives Department of Army commendation from Col. Paul B. Schuppener, Commandant of the Missile and Munitions Center and School. Kirchdofer received \$675 for his suggestion that cannisters rendered unservicable by Explosive Disposal Units undergoing training be modified to enable them to be used indefinitely by replacement of specific pieces. The 42-year-old Hadley, Mass., native is currently attached to the 1st ED Training Detachment in Indian Head, Md. Personnel conducting explosive training there are assigned by MMCS.



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RE-ENLISTS—Lt. Robert Loy conducts the re-enlistment ceremony for his former instructor and good friend SSG Kenneth Barney.

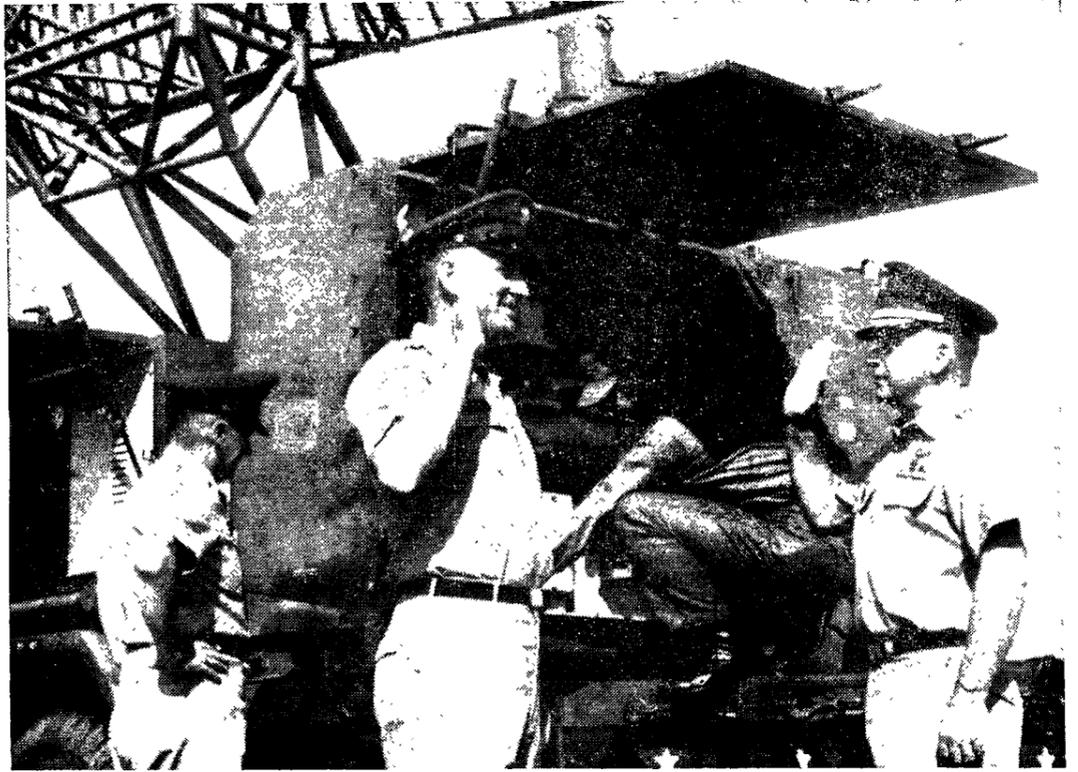
Name Of Game: Coincidence

In 1964 Sgt. Robert Loy was a student of Staff Sergeant Kenneth Barney in a Pershing Missile System course given here. Recently 1LT Robert Loy administered the re-enlistment oath to Staff Sergeant Barney.

In 1965 Sgt. Loy and Barney were instructors together in the Pershing Missile Section of USAMMCS. While instructors, they established a friendship that has

lasted through the years. Sgt. Loy, during those years, decided to enter Officer Candidate School. He graduated from OCS in May of 1966 and served for a year in Vietnam, returning to his current assignment as chief of the Maintenance Branch of the Ammunition Department here.

Sgt. Barney remained at Redstone, but changed assignments. He is currently assigned to the



RENEWS OATH—MSG Roy L. Henderson, left, receives the oath of enlistment from Maj. Ray W. Miller, Operations Officer of the Unit Training Command, Missile and Munitions Center and School. Henderson, a 20-year veteran re-enlisting for another three-year term, is chief instructor of the Hawk Missile Division, UTC. Born in Bucksport, Maine, he resides with his wife, Rena, and two children at 1101 Benet Circle on the Arsenal.

Directorate of New Missiles and Literature. When it was time for SSG Barney to re-enlist, he requested that his buddy Lt. Loy administer the oath—a task Lt. Loy gladly accepted.

Lt. Loy has been encouraging SSG Barney to apply for OCS, so that his old friend can "appreciate the sense of pride in responsibility" that he has known as an officer. Sgt. Barney is in the process of preparing the paper work for an application to OCS this November.

HUNDREDS OF TYPING hours are expected to be done away with by use of a revolutionary high-speed typing service at Ft. Belvoir, Va. Magnetic tape typewriters will produce error-free copies at a rate of 150 words per minute in putting out lengthy field studies, manuals and specifications. (AFPS)

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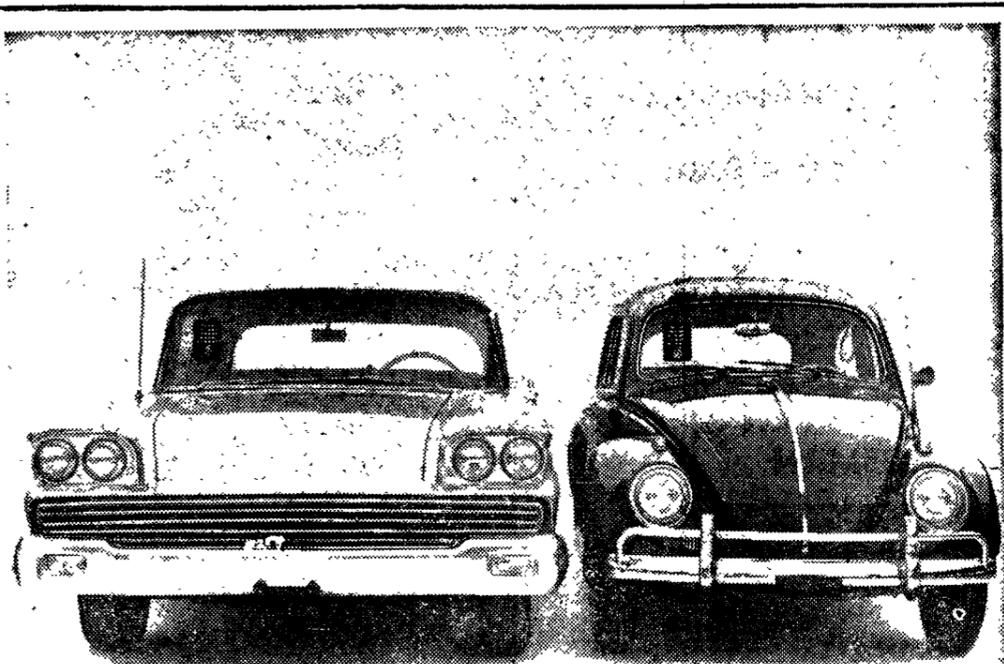
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PATENT HOLDERS—Inventors from the Research and Development Directorate exhibit proof of rare accomplishment after receiving patents recently. Col. Nelson Jean, Director of Arsenal Support Operations, made the presentations. The applications were handled by the Patent Center. R&D personnel receiving patents included: James V. Johnston who got two; Richard W. White,

Winford G. Brock, Joseph E. Nix, Joe Greco, James H. McAdams, Robert G. Conrad, Dr. William McCorkle, Jr., Raymond A. Deep, Thomas N. L. Pughe, William E. Thomas, Howard H. Henriksen, Hiram W. H. Dykes, Lott W. Brantley, Jr., George B. Butler, Henry C. Allen, Dr. David C. Sayles and Nathan P. Williams, Jr.

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WIESMAN TO ADDRESS STWP

Walter Wiesman, Internal Communication Coordinator for the NASA George C. Marshall Space Flight Center, will be the speaker at Society of Technical Writers' and Publishers' meeting Nov. 19 at 6:30 p.m. in the Elks Lodge on Franklin St. His topic is: "Wall to Wall Internal Communication."

Wiesman, a native of Dortmund, West Germany, has occupied management staff position in missile and space projects for nearly 25 years. He came to the United States in 1945 with the team of rocket specialists led by Dr. Wernher von Braun. For the past decade his principal professional interest has been in the field of manpower development and organizational communication.

ABOUT 300 OF the 1,085 Marine Corps captains recently selected for major were promoted in October, according to Marine officials, and the remainder will be promoted before the end of the fiscal year. (AFPS)

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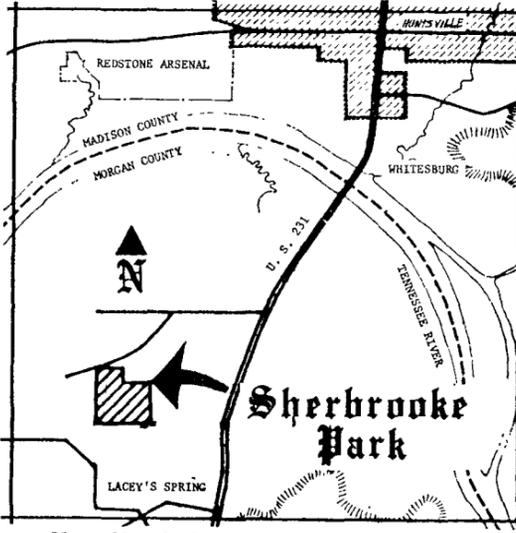
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Girl Scouts Celebrate Founder's Birthday

The Redstone Arsenal Girl Scouts celebrated their founder's birthday at the NCO Club Oct. 30th. All Girl Scouts on post and their families attended. Honored guests at the party were Mrs. Nils Bengston the Field Service Director, and Mrs. Gerald Van Keuren, Field Director. The Service team of officers were introduced: Mrs. Jon M. Lindenauer, service chairman; Mrs. Lowell Twichell, troop consultant; Mrs. Robert Shineflug, Troop organizer and treasurer; Mrs. Troy Young, secretary; Mrs. Donald Sherrow shopkeeper; Brownie leader second grade troop 238 Mrs. John Mumford her assistant; Mrs. Franklin Barton; Brownie leader third grade 163; Mrs. Ernest Rhodes, her assistant, Mrs. James Lowe; Brownie leader third grade 238, Mrs. Alec Thomson; her assistant, Mrs. Raymond Reason; junior leader 134, Mrs. Erthel Willis; her

assistants, Mrs. James Buckner, and Mrs. William Sherron.

Junior leader 191, Mrs. Raul Garibay; her assistant, Mrs. Larry Stowers; Cadette leader, Mrs. Leslie Kimball; her assistant, Mrs. Wilson Hamilton; senior adviser Mrs. William Kelly; her assistant, Judy Wilburn.

The oldest Senior, Jackie Health, helped the two smallest Brownies Joanie Edger and Melanie Merlick cut the cake.

The Cadettes opened the program with the flag ceremony. Patti Kelly represented the Seniors in her talk on "Why we are here." The promise and laws were led by the Junior troop 134 and the Brownie Smile Song was sung by the Brownies. Junior troop 191 led the Scouts in Girl Scouts Together. The Cadettes closed the program with the retiring of the flag and Taps.

The table decorations were de-

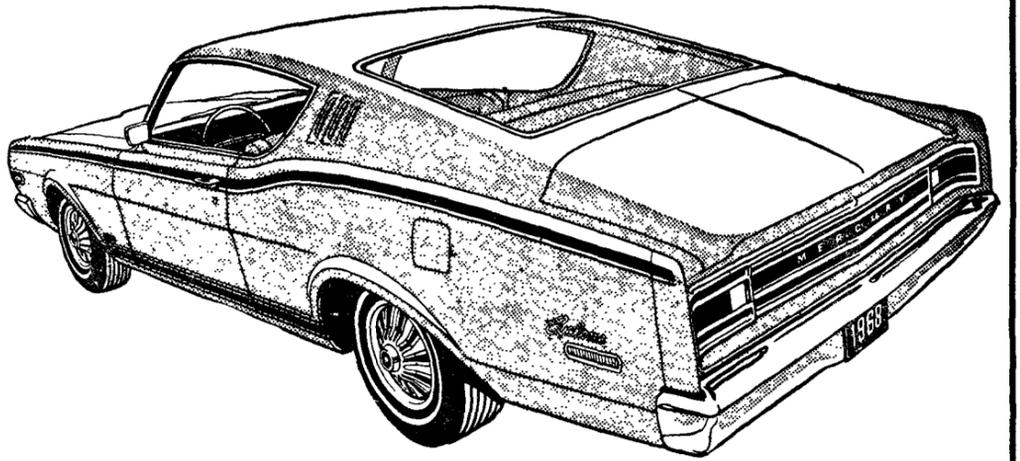


WEALTH OF EXPERIENCE—The above pictured civilian employees from the Research and Development Directorate were included in a group of 22 Missile Command personnel who were honored recently by Maj. Gen. Charles W. Eifler in recognition of their 30 years service with the Federal government. Shown with the Commanding General of the Missile Command are, left to right, Hubert D. Bagley, Sanford F. Adams, Gen. Eifler, Rhoda High, and Frank L. Macomber.

signed by the Girl Scouts themselves under the guidance of their leaders. Each decoration depicted an area of Scouting experienced by the Girls.



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Fifteen Organizations Send People To School

Department of Army civilians representing 15 Missile Command organizations, the Missile and Munitions Center and School, the Nike-X Project Office and the Volunteer Army Ammunition Plant are included among the local personnel who began off-post training courses in their individual career fields last week.

They left their normal duty stations this week to enroll for the training at military schools, contractor plants and colleges located in eight states and the District of Columbia.

The training is approved for local personnel under the Missile Command's career development program administered by the Training and Development Division of Civilian Personnel.

A group of five Redstone personnel are at Ft. Lee, Va., where they are attending the Research and Development Management Orientation at the Army Logistics Management Center.

They are Anna McLemore and Samuel Aiello (Hawk), Ted Bricker (Pershing), James Humphreys (Nike-X) and Herbert Pearson (Mgmt Sc).

Another quintet went to Charlestown, Ind., to study Munitions Safety at the AMC Field Safety Agency. Included in this group are Thaddeus Ronkiewicz and James Lyon (VAAP), William Beierle (Nike-X), Stephen Bzdell (S & M) and Clarence Patrick (DASO).

Four others reported to the Army Management Engineering Agency at Rock Island, Ill., for classes. Two of them, Randall Davidson (P & P) and Julian Weathers (MMCS), are taking Operations Research Appreciation.

John Yelverton (DASO) is enrolled for Organizational Planning, and James Gillespie (MMCS) is attending the Introduction to ADP Analysis and Design course.

William Weber (DASO) is study-

ing Stewart Stevenson Generator at the Army Engineer School, Ft. Belvoir, Va., and William Henderson (S & M) went to Frankford Arsenal, Pa., for Standards of Workmanship.

Two DASO employees, Willis Whitt and Collis Terry, went to Ft. Benjamin Harrison, Ind., for Financial Management Systems, and James Kleminsky (R & D) is at the same place for Programming and Budgeting.

Another group of five will remain on the Arsenal for training at the Missile and Munitions Center and School. Attending the Missile Systems and Logistical Support Orientation are Mary Cox and Johnny Simpson (S & M), Mildred Kubilis (Mgmt Sc), Eugene Kay (MMCS) and Edward Page (Msl Intel).

Stanton Mahoney (Redeye) and

Elyde Estes (S & M) went to Wright-Patterson AFB, Ohio, for Defense Data Management at the School of Systems and Logistics. Mary Stanley (P & P) is taking Contract Administration at the Ohio base.

Enrolled for the Defense Procurement Executive Refresher at the Naval Material Command in the Nation's Capitol are Gerald Walters (Hawk) and Bettye Matkin (Sergeant).

The Civil Service Commission is providing the training for three Arsenal civilians at three different sites. Charles Lipscomb (Hercules) is in Athens, Ga., for Planning, Programming and Budgeting, Carl Stephens (Ch Counsel) went to Dallas for the Workshop in Management of ADP Programming, and William Goans (C & DP) is taking Principles and Practises of Auditing in Washington.

Frank Holmes went to Chicago to attend a four-day seminar of the National Association of Suggestion Systems, Harry Patterson (P & P) went to Washington to study Computer Techniques offered by the IBM Corporation, and John Hodges (Metrology) is attending a seminar on measurements at

the Leeds and Northrop Co., in Philadelphia.

A group of six MICOM civilians are spending this week at the Huntsville campus of the University of Alabama for a short course in Optical Physics. They are Anthony Muzzie, Richard Shingler and Brian Desind (P & P), and Teddy Beachler, Kenneth Evans and Leon Riley (R & D).

William Creel, Melvin Smith, Kenneth Lancaster and Samuel Minton (all of S & M) together with Taylor Owens (ADCS) went to Ft. Bliss, Tex., where they will spend two weeks at the Litton Industries' facility. Their training will be with AN/GSA-77 Battery Terminal Equipment.

WHITE HOUSE ANNOUNCED in mid-October plan for separation centers and state employee employment offices to identify and seek civilian health work for medically trained personnel leaving service. Called "Project Remedy," President Johnson said it is second step in his August announcement to help recently-separated veterans make a smooth transition to civilian life. (AFPS)



JOINT SERVICE MEDAL—Lt. Col. Robert T. Ash, Jr., was among the recipients of awards presented Friday by the Commanding General of the Missile Command. Lt. Col. Ash received the Joint Service Commendation Medal for service between July 1963 and June 1967 as an Ordnance Advisor for Missiles, Army Section, Military Assistance Advisory Group, Germany. He is now assigned in the Supply and Maintenance Directorate. Mrs. Ash was among the spectators at the ceremony.

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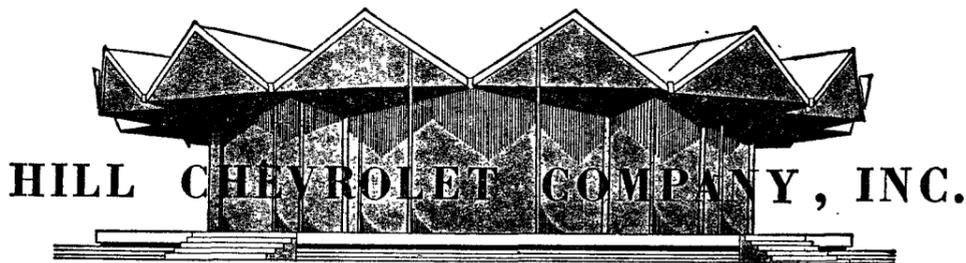
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HONOR GRADUATE — James Huggins, a program analyst in the Supply and Maintenance Directorate, was the recipient of the Highest Academic Achievement diploma at recent graduation ceremonies at the Army's Finance School, Ft. Benjamin Harrison, Ind. The coveted award was presented to Huggins upon his completion of the Programming and Budgeting course.

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