

AMC FIVE YEARS OLD

As it observed its fifth anniversary yesterday, the U. S. Army Materiel Command (AMC) exhibited an increased capability to provide the weapons, supplies, and equipment needed by the Army in performing its missions. New and improved items now under development or entering the Army inventory reflect the positive steps taken by the Command to enable the fighting forces to meet all the demands placed upon them.

Commenting on the five-year record established by AMC, General Harold K. Johnson, Chief of Staff of the U. S. Army said:

"During the five years since its organization, members of the Army Materiel Command have continually distinguished themselves by their con-

tributions to our national security. No Army can successfully function in the field without the proper tools and equipment with which to do the job. The successes of our fighting men in Vietnam attest to your ability to innovate and to produce and provide them with high quality materiel. Your achievement in fulfilling this added responsibility while at the same time streamlining your organization to reduce costs is a superior accomplishment."

In keeping with the worldwide assignment of Army units, AMC has made important changes in its means of supplying materiel and transmitting supply management data to the field. The

Command also has tested products which will help the soldier to shoot, see and communicate better than in the past and has developed items which will assist in protecting his health and safety.

General Frank S. Besson, Jr., Commanding General of AMC since its inception, further streamlined his organization during the past year with the phasing out of the Army Mobility Command and the designating as major subordinate commands the Army Tank-Automotive Command at Warren, Michigan, and the Army Mobility Equipment Command and Army Aviation Materiel Command, both headquartered at St. Louis, Missouri.

(See AMC IS FIVE on Page 2)

**Arsenal-Wide
Spot News
Dial 112**

The Redstone Rocket

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AUGUST 2, 1967



PLANNING FOR COMBINED FEDERAL CAMPAIGN—Robert A. Malone (left) Executive Chairman of the 1968 Combined Federal Campaign shows a proposed poster to Maj. Gen. Charles W. Eifler, general chairman for the campaign, and Chauncey W. Huth (right) Marshall Space Flight Center representative on an agency coordinating committee for the campaign. The campaign combines all federal agencies in the area in a single solicitation for contributions to three separate health and welfare organizations. The campaign has set national records in each of the two previous years, with contributions last year totaling \$424,075 from federal employees in the Huntsville area. Agency heads met with General Eifler to complete plans for the 1968 campaign which will be conducted from September 18 through October 20.

CFC SET TO START SEPTEMBER 18

Heads of local federal agencies Friday approved Sept. 18 through Oct. 20 as the dates for the 1968 Combined Federal Campaign for the Huntsville-Madison County Area.

The campaign combines all federal agencies in the area in a single solicitation for contributions to three separate health and welfare organizations. It has set national records in each of the two previous years. Last year federal employees contributed \$424,075 to the participating charities.

Maj. Gen. Charles W. Eifler, Commanding General of the U. S.

Army Missile Command, is the general chairman of the campaign. Robert A. Malone of the Missile Command is executive chairman of the 1968 drive.

The agency heads met Friday to complete plans and approve methods of operation for the 1968 campaign.

Terming the 1966 and 1967 campaigns "well planned and well executed," Gen. Eifler said he planned no change in the method of operation this year. He said the previous campaigns have proven "our people approve the methods of operation, under-

(See CAMPAIGN on Page 3)

Chief Scientist Transfers To Washington Nuclear Job

The Army Missile Command's Chief Scientist, Dr. William W. Carter, performed his final duties today after working at Redstone Arsenal for more than seven years.

Dr. Carter will start work Monday in Washington, D. C., as the assistant Director of Defense for Research and Engineering for Nuclear Programs. He has been at

the Missile Command since November, 1959.

During his time with the Missile Command, he has made many outstanding scientific contributions in the fields of nuclear physics and nuclear propulsion, and has become a nationally noted authority on foreign weapons and on nuclear weapons effects.

(See SCIENTIST on Page 3)

Col. E. M. Graham, Jr., Commandant, Receives Nomination For General

Notification was received here last Friday (28 July) that President Lyndon B. Johnson has nominated Col. Erwin M. Graham Jr., commandant of the Army Missile and Munitions Center and School here, for promotion to Brigadier General. The nomination is subject to confirmation by the Senate. Actual promotion will be made as vacancies occur on the roster of Army general officers. Col. Graham was 15th on the list of 71 colonels named for star rank.

He is the first commandant of MMCS to receive such a nomination. It came in his 26th year of active service with the Army.

Col. Graham was born in Pensacola, Fla. on 18 Nov. 1917 and received the degree of bachelor of science in electrical engineering from Mississippi State University in 1938 and was commissioned in the Reserve Officers Corps. He obtained a master's degree and a professional doctorate in electrical engineering from Massachusetts Institute of Technology in 1950. He also attended the Naval War College, Armed Forces Staff College, Command and General College and Ordnance Officer Advance Course.

His assignments have been at Aberdeen Proving Ground, Md.

and the Ordnance Unit Training Command at Flora, Miss.; in Algiers and France during World War II, with the SHAEF Mission to France; The Ordnance School (See COL. GRAHAM on Page 3)



COL. ERWIN M. GRAHAM



HONORED FOR SERVICE—Dr. and Mrs. William W. Carter look over the Meritorious Civilian Service citation presented him a few minutes earlier by Maj. Gen. Charles W. Eifler, Commanding General of the U. S. Army Missile Command. Dr. Carter, who has been Chief Scientist at the Command since November, 1959, leaves this month for his new job as Assistant Director of Defense for Research and Engineering for Nuclear Programs. The Meritorious Civilian Service award was the result of his "... many outstanding scientific contributions in the field of nuclear physics and nuclear propulsion."

The Redstone Rocket

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Rocket Ruminations

Many things difficult to design prove easy to performance.
—Ben Johnson

Five Years Of Accomplishment . . .

"TO ALL MEMBERS OF THE UNITED STATES ARMY MATERIEL COMMAND:

"The Army Materiel Command will be five years old on August 1, 1967. Even as AMC was being born in 1962, increased military support for our allies in southeast Asia was also beginning. The last two of our five years have been largely committed to an unprecedented logistics response to a major military build-up in Vietnam.

"Our fighting troops there continue to tell us that we are giving them what they need. I realize that this has not always been easy; it has been possible, however, because the men and women of AMC, like those we support, have been willing to go the second mile with the resources available to us, and, in spite of short deadlines and long hours, have refused to grow weary of the struggle.

"I want to thank each of you for your part in achieving AMC's distinguished five year record. New challenges, even more exciting and exacting await us in the next five years. The army's and the nation's trust is well placed as they give us the opportunity to meet these challenges."

FRANK S. BESSON, JR., GENERAL UNITED STATES ARMY, COMMANDING

AMC IS FIVE

(Continued From Page 1)

Additional reductions were made in the number of facilities under AMC. Of the original 278 taken over from the Army's Technical Services in 1962, AMC reduced that total to 177 in the fiscal year just completed. Fourteen facilities were phased out in the past year. The Zero Defects Program, designed to motivate all personnel from executives to shop workers to be more quality conscious, brought forth many suggestions, from AMC employees to identify potential causes for error. In the past year more than 6,900 suggestions were submitted, and more than 5,000 were adopted by management.

A team from AMC's Cold Regions Research and Engineering Laboratory (USA CRREL) recorded a major scientific achievement in FY 1967 by drilling through the polar ice cap and bringing up samples of intermingled sand, gravel, and stones. At a site 140 miles out on the ice cap from Greenland's upper northwest coast, the team drilled to a depth of 4562 feet and obtained its samples 12 feet below the ice sheet.

The cores of silt and stone and the ice cores recovered in the drilling process provide a vertical profile of polar history dating back at least 10,000 years. The cores are undergoing analytical study at USA CRREL's Hanover, N.H., Laboratory. Information sought from the samples include changes in precipitation and temperature, composition of the air throughout the ice, salt nuclei content, dustiness of the atmosphere, and frequency of major volcanic eruptions down through the ages.

To achieve greater mission effectiveness, the AMC held its first Customer Assistance Conference in Washington, D.C., May 3-5. It provided a forum for the Command's customers worldwide to present their views on materiel and logistic support. AMC made presentations pertinent to assistance in all logistic fields and the latest developments in organization, missions and materiel.

Customer Assistance Offices are in operation at U. S. Army Headquarters in the European, Pacific and Vietnam Commands. The Vietnam Office has a sub-office in Okinawa. These activities assure effective working relationships on all logistic matters by providing a source of information and assis-

tance and by coordinating matters of mutual interest to AMC and the Commands.

During FY 1967 AMC provided assistance to the Defense Supply Agency, which requested storage space to facilitate support of operations in Southeast Asia. AMC made available the following: Sharpe Army Depot, 807,000 net sq. feet open space; Umatilla Army Depot, 650,000 net sq. feet covered space; Sierra Army Depot, 182,000 net sq. feet covered space; Navajo Army Depot, 600,000 net sq. feet covered space.

AMC initiated a new concept in the transmission of supply management data to the field by the use of microfilm. Selected logistics management data, extracted from the Army Master Data File, covering the total 1,181,354 Federal Stock Numbers, were placed on 13 microfilm cartridges. This film and the required readers were provided to selected Seventh Army units in Europe early in March 1967 for user feasibility tests. The tests were later expanded to several Continental U. S. installations, including Fort Hood, Tex., and to activities at Cam Ranh Bay, Qui Nhon, and Saigon, Vietnam.

Procurement capabilities have been improved through techniques which save both time and manpower. Simplified techniques for use in procurements up to \$10,000 have been authorized, saving 30 to 45 days of procurement lead time for repair parts for Southeast Asia.

In support of the field forces, AMC agencies completed development of these items during the past year:

A spike-resistant combat boot with a stainless-steel plate laminated between two leather insoles. This 10-inch-high boot provides protection against a variety of anti-personnel foot penetrating devices, including poisonous spikes, barbed spikes, nails, and tropical thorns.

A lightweight rucksack, 4 lbs. lighter than the standard item, consisting of a water-repellent nylon duck combat pack and a rectangular aluminum frame with provisions for a removable shelf that permits carrying heavy loads. With the new rucksack, the soldier can carry either a full marching load or a lighter combat load.

A 420-gallon-per-hour lightweight water purification unit which weighs approximately 1000 lbs. and can be sling-loaded under a helicopter. Action is being expedited to provide these units for use in Vietnam.

Other developmental projects on which AMC reports

ZERO DEFECTS CORNER



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Captain G. T. Ogden (now Major) of the System Requirements and Test Division, NIKE-X Project Office, is shown receiving the NIKE-X Project Office Zero Defects Certificate of Achievement from Colonel J. T. Prendergast, RDT&E Director. This Certificate is awarded each month to NIKE-X Project Office personnel who have significantly contributed to Project Office operations through the personal application of the principles of ZERO DEFECTS in the execution of assigned duties.

progress include:

A new ground based surveillance radar set, the AN/PPS-5, which will greatly increase the capability for battlefield detection of hostile vehicular and foot troop movement in periods of darkness or low visibility caused by inclement weather. The set can locate vehicles at ranges up to 10,000 meters and foot troop movement at ranges in excess of 4,000 meters. A limited quantity of sets is in production for early delivery.

A vehicle-launched bridge 30 feet long for use with the M113 tracked vehicle. Development has been completed through the Engineer Development Testing phase. Review of this bridge by the Army in Vietnam has resulted in a request for the item.

An airborne acoustical ground fire detector, capable of visually warning an aircraft pilot that he is being fired upon, which was developed and type classified in a (See AMC IS FIVE on Page 5)

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Col. Nicholson Heads Air Defense Control, Coordination Systems

Lt. Col. Leslie Nicholson has been named Chief of the U. S. Army Missile Command's Air Defense Control and Coordination System Office at Redstone Arsenal.

Col. Nicholson, who came to Redstone in August, 1965, was last assigned as Chief of the Weapons Branch, G-4 Section, U. S. Army Pacific, in Honolulu, Hawaii, from October 1962 to July 1965.

A native of Central, Ill., Col. Nicholson attended high schools in Hammond and Atwood, Ill. He also attended Millikin University in Decatur, Ill., for two years, and the University of Illinois, in Urbana, Ill., for two years.

He entered the Army in October 1942. His previous tours of duty include assignments at Fort Bliss, Texas; Fort Sill, Okla.; and Fort Leonard Wood, Mo. Overseas service includes assignments in Europe, Taiwan, Okinawa, and Hawaii.

Col. Nicholson and his wife now

live in Huntsville. The Nicholsons have two children, James, 23, and Cheryl, 16.



LT. COL. LESLIE NICHOLSON

Army Awards \$1.2 Million For Hawk

The Army Missile Command has awarded a \$1.2 million contract to Raytheon Company, Andover, Mass., for rebuilding stabilized magnetron assemblies for the Hawk air defense missile system.

Work under the contract will be performed at Raytheon's plant in Andover, Mass.

Hawk is a 17-foot long supersonic missile that can reach out and destroy attacking high performance aircraft or airbreathing guided missiles at low altitudes. The missile "homes in" on the target by following a reflected radar beam.

A mobile part of the Army's arsenal of air defense missiles, Hawk is in operation with Army and Marine Corps units in the United States and overseas.

Technical supervision of Hawk is from the Army Missile Command at Redstone Arsenal, where Col. John G. Redmon is Hawk Project Manager. The Missile Command's Procurement and Production Directorate negotiated the contract.

COL. GRAHAM

(Continued From Page 1)

and Ordnance Training Command; Ordnance Procurement Center in Oslo, Norway; Ordnance Procurement Office in Paris; chief of the Control Office at the Army Missile Command here; commander of the 74th Ordnance Battalion and assistant chief of staff for logistics for the 7th Logistical Command in Korea; chief of the missile branch, Research and Development, with the Army Material Command in Washington.

In 1952, as a major, Col. Graham served as assistant commandant of what was then the Army Ordnance Guided Missile School when it was being organized at Redstone Arsenal. The name of the training establishment was changed in 1966 to reflect the addition of the ammunition training missions.

Col. Graham is married to the former Mary D. (Sue) Biederman, daughter of retired Navy Rear Admiral and Mrs. K. J. Biederman of Gulph Mills, Pa. He has five children—four daughters and a son.

Since his assignment here as commandant of MMCS in mid-1965, he has been active in the Metropolitan Kiwanis Club, Tennessee Valley Council of Boy Scouts of America, Armed Forces Communications and Electronics Association, Association of the U. S. Army and American Ordnance Association.

CAMPAIGN

(Continued From Page 1)

stand the need and are willing to give their complete support."

The General asked that all participating agencies make concerted efforts to inform their personnel of the objectives and the methods of operation. A payroll deduction plan will be in effect again this year. Individual Federal employees are free to designate the charities to receive their contributions.

Gen. Eifler commended those who have conducted previous campaigns, mentioning in particular the support given by the officers and members of the Lodge 1858, American Federation of Government Employees, which represents the majority of federal employees in the Huntsville area.

Members of the Coordinating Group include Brig. Gen. I. O. Drewry, Jr., Nike-X Project Manager; C. W. Huth, Marshall Space Flight Center; Louis Hochholzer, the Defense Contract Administration Service Regional Office; Col. Z. F. Rael, U. S. Army Missile and Munitions Center and School; William Boulton, Social Security Administration; Earl Perkinson, General Accounting Office; Robert J. Seay, Civil Service Administration and John P. Colman, Economic Development Administration. CFC combines in a single drive,

SCIENTIST

(Continued From Page 1)

Carter is perhaps best known in the community for his leadership in helping establish the Graduate Study Program and Research Institute at the University of Alabama in Huntsville.

He is a member of the Tennessee Valley Chapter of the American Institute in Aeronautics and Astronautics, and other organizations.

Mrs. Carter and their four children will be moving to Washington in mid-August.

fund raising activities for three major charities; The United Givers Fund, the National Health Agencies and the International Service Agency. Last year Federal employees raised \$355,173 dollars for UGF; \$57,688 for the National Health Agencies and \$11,214 for the International Service Agency.



TWO FORMER REDSTONE MEN NOMINATED BG

Two officers formerly assigned at Redstone were among those nominated for brigadier general rank according to a list announced last week by the Department of the Army.

Col. Theodore Antonelli and Col. William Cobb were both at the then Army Ordnance Missile Command in the early '60's. Col. Antonelli, now with the U. S. Army Element of the Defense Communication Agency, Washington, D. C., served here as chief of the Transportation Office.

Col. Cobb was assigned to the Field Army Ballistic Missile Defense System (FABMDS) here in 1961, and was first engaged in evaluation of the system, then became the project officer in January 1962. He is now with the 2nd Field Force in Vietnam.

The American Cancer Society urges that all adult women practice breast self-examination as the best protection against possible death from breast cancer. This disease took the lives of about 26,500 women in 1966.

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SOCIAL ^{and} CLUB EVENTS

Tea Honoring Mrs. Eifler Scheduled By Wives Club

The Redstone Arsenal Officers Wives Club will honor Mrs. Charles W. Eifler, with a tea at the Redstone Officers Open Mess Tuesday, Aug. 15 from 2-4 p.m.

Mrs. Eifler is the new honorary president of the Wives Club.

Most invitations have been issued by telephone, but any members of the Wives Club who have not been contacted may make reservations through group chairmen. The numbers are: WHOS, 881-3522; Retired Wives, 881-7103; associate members, 877-4778; and wives of officers stationed at the Arsenal, 877-4466.

VARIETY SHOW

"Tanis Summer Swing" is the theme of the stage show that will play at the Service Club at 8:15 p.m. Sunday.

Tani Ryder, a Polynesian dance specialist from Huntsville, is the director and producer of the variety show which has a combination of talent ranging from Go-Go Girls to Tahitian dancers. For a change of pace there will be folk singers, pantomimes and a vocalist from Tommy Dorsey band, and other speciality numbers.



WIVES GIFT FOR NCO OPEN MESS—Mrs. Earl Brennan, vice-president of the Redstone Non-Commissioned Officers Wives Club, tells M/Sgt. Harry Bullard that the club is presenting the fountain punch bowl to the Open Mess. M/Sgt. Bullard accepted the gift acting as a representative of the NCO Open Mess Board of Governors. The ceremony took place last week at the Mess during a dinner meeting of the Wives Club.

NCO Wives Give Fountain Punch Bowl To NCO Mess

The Redstone Non-Commissioned Officers Wives Club presented a fountain punch bowl to the new NCO Open Mess during a dinner

meeting last week at the Mess. Mrs. Earl Brennan, vice-president of the Club, made the presentation, and M/Sgt. Harry Bullard,

representing the NCO Open Mess Board of Governors, accepted the gift.

The dinner tables were decorated with bouquets of white chrysanthemums and yellow marigolds, ivy and green grapes. Hostesses for the event were Mrs. Edwin Gelding, Mrs. James Harmon and Mrs. Tom Harrison. Approximately 30 members and guests attended the dinner meeting.



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Wives, dependants and house guests of Missile & Munitions Center & School officers have a chance to gain "field" experience on Vietnam and find out more about modern training operation on a guided tour of the School's facilities tomorrow (Thursday, August 3).

Those interested in joining the tour may call the MMCS protocol office at 876-7381 or 876-5271.

The tour will include a school briefing, a look at the Pershing and Hawk missile systems, and a visit to the Ammunition Department and the "Vietnam Village."

Lunch at Mess No. 1 will conclude the tour.

ENGINEERS TO MEET

The Northeast Chapter of Professional Engineers will meet Aug. 10 at Michael's Restaurant at 7 p.m. W. C. Guilian, chief counsel at the Marshall Space Flight Center is scheduled to talk on "The Personal Liability of the Designer."

Reservations are being taken by Bob Trenkle, 876-7878.



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AMC IS FIVE

(Continued From Page 2)

five-month period. The device weighs about three lbs.

During the year construction of a pulse reactor facility was completed at Aberdeen Proving Ground. It will be used for materiel radiation experiments.

A number of significant actions in the field of Army aviation occurred during the past year. The AH-1G Hueycobra, featuring greater firepower, speed, range, and endurance than armed UH-1's, went into quantity production near the end of FY 1967.

During April the first units of OH-6A Cayuse helicopters were deployed to units at Fort Knox, Ky.

In May, the first production model of the CH-47B Chinook was delivered to the Army. Significant improvements in this later model are increased speed and payload and longer ferry range.

The Army formally accepted the first U-21A, a twin turboprop, fixed wing airplane, on 16 May. The U-21A is capable of taking off and landing on an unsurfaced minimum-of-preparation airfield 1,000 feet long.

Also in May, the Army unveiled a radically new armed combat aircraft, the AH-56A "Cheyenne," that will take off and land vertically like a helicopter but fly forward with the speed, ease, and maneuverability of a fixed-wing plane. The first of these winged rotor-bladed aircraft was rolled out ahead of schedule. With the first flight planned for later this year, the first AH-56A is now in a series of extensive ground tests.

Five world aviation records were claimed for the Mohawk, the Army's standard aerial surveillance and target acquisition aircraft system. One record, for straight line distance, was set when the Mohawk was flown non-stop from Fort Lewis, Wash., to Sherbrooke, Canada, a distance of 2422 miles, at almost 255 miles per hour.

Other Mohawk records included an average speed of 292 miles per hour over a 100 km closed circuit course, time to climb to altitudes of 3000 and 6000 meters, and sustained altitude in horizontal flight of 32,000 feet.

The Army composite aircraft development program moved into the project definition phase this year. Evaluation was completed of conceptual studies for a composite research aircraft combining the hovering capability of the helicopter with the range and flight efficiency of the conventional fixed-wing aircraft. Two proposed configurations — the tilting rotor" concept and the "stopped stowed rotor" configuration—have been selected for further analysis and component investigation.

The CH-54A Flying Crane deployed to Vietnam, has proven its worth many times over by recovering downed aircraft having a total valuation in excess of \$90,000,000, or many times the original investment. Six Flying Cranes, the largest helicopter in the Army, were procured in the FY 66 program with deliveries completed in May 1967. Maintenance training has been established at Ft. Eustis, Virginia, and pilot training at Ft. Rucker, Alabama, to support RVN personnel requirements.

Several armament subsystems for the AH-1G Hueycobra armed helicopter were bought in FY 1967. One of these, the XM-28, is a rotating turret mounted on the nose which can fire at angles up to 110° to the right or left. The twin-gun turret mounts either two 7.62mm machine guns, two 40mm grenade launchers or one of each.

A production contract was awarded for the XM129 40mm grenade launcher, a greatly improved successor to the launcher currently used in the M-5 helicopter armament system. The new, electrically driven launcher fires grenades at a rate of 425 shots per minute.

The first of eight prototypes

of the Main Battle Tank being fabricated in the United States and Germany will be delivered during the latter part of 1967. Engineering and service tests will follow, and Advance Production Engineering plans now are being implemented.

More combat units were equipped with the new FM series radios during the past year. These include the AN/PRC-25 "walkie-talkie" and its vehicular counterpart, the AN/VRC-12. Affording combat forces 920 channels, these high-performance sets offer significant advantages in weight reduction, reliability, reduced size and complexity and power requirements. The first Single Sideband sets have also been fielded in Vietnam.

The Initial Defense Communications Satellite Project (IDCSP)—the nation's worldwide military satellite communications system—was expanded during FY 1967 to a network consisting of Air Force satellites and a surface complex of nine Army terminals located across the globe. Acting for AMC, the Army Satellite Communications (SATCOM) Agency provided the ground terminals and conducted the system evaluation program. SATCOM also continued to exercise the AMC action responsibility in the tri-service tactical satellite communications (TAC-SATCOM) program. The agency designed and built in-house small, experimental TACSAT terminals installed in jeeps, ¾ ton trucks, and vans.

AMC expanded its communications capability, adding another 396 Automatic Voice Network (AUTOVON) telephone lines at AMC installations to the 730 existing AMC lines. AMC pioneered in the Automatic Digital Network (AUTODIN) system by installing the first IBM 360-20 AUTODIN Multimedia Terminal at the Army Mobility Equipment Command Headquarters.

Substantial progress was recorded by the Automatic Data Field Systems Command (ADFSC) in the developmental study of its major systems: The Tactical Fire Direction System (TACFIRE), the Tactical Operations System (TOS), and the Combat Service Support System (CS3). During March Contract Definition Contracts for TAC-FIRE were awarded to three companies. A contract under the TOS program calls for mobile automatic data processing equipment to be supplied to the Seventh U. S. Army. An Equipment Contract Award under the CS3 program was placed during May with equipment delivery scheduled for April-June, 1968.

Initial delivery of Field Artillery Digital Automatic Computer (FADAC) systems to Southeast Asia was scheduled for this year. More than 100 FADAC systems have been deployed to U. S. Army Europe.

The first DIMATE (Depot Installed Multipurpose Automatic Test Equipment), a fully automatic test set directed by a digital computer, was placed in operation as a production tool at the Tobyhanna Army Depot. DIMATE can diagnose failures in better than 95% of Army electronic materiel operating in the DC to 400 MHz (MegaHERTZ) frequency range. DIMATE No. 2 is being installed at the Sacramento Army Depot.

The Army completed deployment during the year of a new Air Defense Fire Distribution System, designated the AN/TSQ-51. This system, developed by the Army Missile Command, performs the functions of an Army command post controlling and coordinating the fire of NIKE HERCULES air defense units. Deployment of the AN/TSQ-51 has increased the capability and flexibility of U. S. air defenses with a reduction in manpower requirements.

The Army's new Defense-wide management responsibility for engine generators for all military services was assigned to the AMC project manager for Mobile Electric Power. A major objective of the new project manager will be the establishment of a Department of Defense standard family of electric power generators, ranging from 0.5kw to 2,000kw. The standard family is to consist of high quality, rugged generators, and will minimize logistics support by

limiting the types of generators entering the supply system. There are about 300,000 engine generators in the Department of Defense inventory, and projected requirements will increase this total to an estimated 400,000.

AMC and some of its activities were honored by awards presented in the recent year. The Army Award of Honor for Safety, the Army's highest recognition of effectiveness in preventing accidents, was presented to AMC for FY 1966. AMC now has won this highest award twice.

An AMC-sponsored and produced motion picture won the top award, "The Golden Atom," in the 1966 International Electronics, Nuclear Telecommunication and Motion Picture Ressegna which is held annually in Rome. The winning film, entitled "Laser Miracles With Light," was produced by the Army Pictorial Center for the AMC Director of Development.

Letterkenny Army Depot was one of six Defense installations reaching the finals in competition for the Secretary of Defense Conservation Award for 1966. Letterkenny received the Department of the Army Chief of Staff Award for its natural resources conservation program.

During May a contract was awarded for the initiation of the SAM-D (Surface-to-Air Missile Development) advanced development program. This new air defense missile system is under development by the Army with Navy participation. It is designed for battlefield and continental air defense against aircraft and short range missiles. It is planned that SAM-D eventually will replace the Nike Hercules and a portion of the Hawk air defense systems.

Design and development of a new Perimeter Acquisition Radar (PAR), a major subsystem of the Nike-X missile defense system, was contracted for this year. PAR is expected to increase significantly the range at which the Nike-X

system, can detect targets. It is to be a third phased array radar in the Nike-X system, the others being the multi-function array radar and the missile site radar.

Under Army Missile Command management, minimum modification will be performed to convert the Lance Missile to an Extended Range Lance (XRL) missile. The decision to develop the XRL extends application of the Lance concept which offers reliability and low cost associated with a free rocket but provides the range and accuracy of a guided missile. Lance, the first Army missile to use pre-packaged storable liquid propellants, can be transported by plane or airdropped; it has maximum ground mobility and a swim capability.

Other significant actions during AMC's fifth year of operation include:

Implementation of a program to establish a worldwide capability to monitor aircraft components by analyzing for wear metals in samples of used oils. Three laboratories have been set up, and three more are to become operational in FY 1968.

Submission by contractors of 462 Value Engineering Contract Proposal (VECP's) during the first 10 months of FY 1967, with a potential dollar value estimated at \$60 million. Approval was given to 250 VECP's valued at approximately \$15 million.

Assistance to service personnel in locating their families on or near AMC installations prior to departure on unaccompanied tours of duty. Nearly 300 service families of absent sponsors were provided adequate excess family housing quarters on AMC installations.

Action by the AMC Chaplain in conceiving and conducting the first preaching clinic for chaplains and the first command-wide training course for chaplain assistants in the history of the Army.



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300	55.09	29.87	21.54	17.42

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\$500	\$46.81	\$24.73		
700	64.92	34.30		
1000	92.30	48.76		
1500	137.80	72.80	\$40.05	
2000	181.96	96.13	78.96	

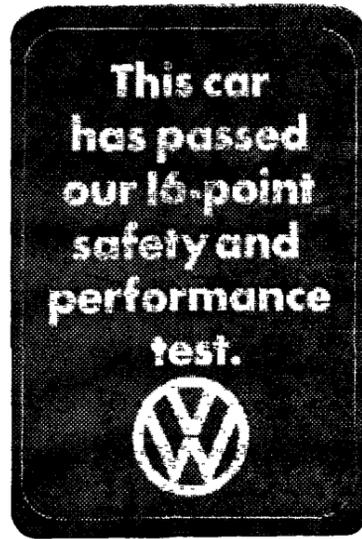
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Rain-Delayed Softball Tourney Begins Friday

Nine Teams Seeking Berth For Overall Season Playoff

Ole' man rain swung another crunching blow at oft-splattered players in the Civilian Softball League last week and knocked out opening round action of the league's scheduled double elimination tournament to select a third round champion.

But if the weatherman pulls his punches, the same eight teams will start play Friday night (August 4) to determine who will earn a berth in a playoff for the 1967 season championship.

On Friday's card, Finance and Accounting will play Data Processing and Redeye will meet Documentation, both games starting at 5:15 p.m. In the nightcap, Metrology will face Computation Center and P&P Lab will go against G&C at 6:45.

ICO, the only other league entry, drew an opening round bye. AMMS has withdrawn from league play.

Winner of the third round playoff will earn the right to meet the winners of two earlier rounds in a tournament for the overall season crown. The top team then will play NASA's league champion in a best two-out-of-three series for the Redstone Arsenal

Civilian League softball championship.

Redeye won the first round title and at Rocket presstime this week, was tied with Finance and Accounting for the second round lead. Both had identical 7-1 records with one game remaining for each.

Redeye defeated G&C 10-5 early last week, in one of two games played before the rains came, to vault into the tie with F&A. In the other match, Comp Center caught fire in the last inning to defeat Metrology 8-3.

Redeye authored a 15-hit attack in the running for second half honors, spearheaded by Caleb Burgoyne with three hits and George Thurlow who chipped in with a homer. For G-C, leading hitters were Matthew Rezmer, Jim Thacker and Bob Alongi with two each.

Comp Center exploded for six runs in the seventh inning to turn back Metrology. Going into the top of the seventh trailing 3-2, Comp Center sent nine to the plate and banged out six hits to pull out the victory. Gary James stroked two doubles and a single for Comp Center but he had help from Don Howard and Dick Lampley with two hits each.

Joel Gunter, Thermon McCluskey and Samuel Sanders countered with two hits each for Metrology.

STANDINGS

	W	L
Fin & Acct.	7	1
Redeye	7	1
Data Processing	5	2
Documentation	5	2
Comp Center	4	4
G&C Lab	3	4
ICO	2	4
Proc & Prod	2	5
Metrology	2	6
AMMS	0	7



S&M GOLF WINNERS—Len Twinem, center, chairman of the Civilian Welfare Athletic Commission, presents trophies to recent winners in the Supply and Maintenance Directorate's mid-season golf tournament. Posing with their "booty" are, left to right, Garvis Richmond who fired a 61 at Piedmont to post the tournament's lowest round; Robert Gross, 2nd flight runnerup; Twinem; Roger Enyeart, 3rd flight winner and Dave Dalton, 3rd flight runnerup. Not pictured are Warren Livingston and Al Macey.

"My First Victory"

Richmond Captures S&M Golf Honors

"I've been playing golf for years but this is the first time I ever won anything."

This was Garvis Richmond's elated but modest victory reaction this week after winning the Supply and Maintenance Directorate's

mid-season golf tournament. Richmond fired a scratch 61 over the Piedmont par three layout a week ago to post the low round and capture first flight honors over the 29-man field.

Enroute to "my first tournament win of any kind," Richmond toured the front side of the par-54 Piedmont course with a one-under 26. He ran into difficulties on the back side—"I didn't play too well," he grinned—but nevertheless hung on for the victory.

Richmond is an engineer in the Flight Operations Test Branch, Test and Reliability Evaluation Laboratory.

First flight runnerup in the tournament, the S&M Golf League's first of the season, was

Al Macey with a 66.

Other winners and scores were: Second flight, Warren Livingston (64), Robert Gross (69); third flight, Roger Enyeart (72), Dave Dalton (78).

Len Twinem, chairman of the Civilian Welfare Athletic Commission, presented trophies to the winners and runnersup.

In other tournament events, Bob King and Roger Enyeart were the two "closest to the hole" winners while the "longest putt" winners were Joe Solomonto, first flight; Don Counts, second flight and Ray Summar, third flight.

Robert Gross is president of the S&M Golf League which conducts tournament, the S&M Golf League's first of the season, was Monday night.

GIRL BOWLERS NEEDED NOW!

Are you a girl? Are you interested in bowling?

If you're both, and you work on the arsenal—or you're married to a man who does—there is a spot on a bowling team for you.

The Ladies Field Service Bowling League is being organized and openings for several more bowlers are available. To be eligible, gals must work on the arsenal—either with the Army, NASA or on-post contractors—or be married to a man who works on post with either of the three.

Seven teams already are in the fold for the 1967 season but at least eight teams are desired. League play will begin Sept. 7, at 6 p.m., at Parkway Lanes.

All interested gals are asked to call Peggy Austin at 876-8823, Estelle Owens at 876-4912 or Mary Hilliard at 877-3074.

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IT'S A GREAT DAY DAD—Col. Carl H. Hansen grins broadly as his daughters' eyes tell him he deserves the insignia of a full colonel being attached to his uniform by Mrs. Hansen and Maj. Gen. Charles W. Eifler (arm at left.) The girls are Clara (left) and

Sharon. Col. Hansen, now assigned at the Armor Center, Ft. Knox, Ky., has been the Assistant For Personnel and Administration, Arsenal Support Operations Directorate. Gen. Eifler is Commanding General of the U. S. Army Missile Command.

LTC. C. H. Hansen Gets Full Colonel Promotion

Carl H. Hansen, Assistant For Personnel and Administration in the Arsenal Support Operations Directorate, was promoted to full Colonel during a ceremony in which Maj. Gen. Charles W. Eifler and Mrs. Hansen pinned the new insignia on Col. Hansen.

Also present were two of the Hansen daughters, Sharon, 13, and Clara, 11.

Col. Hansen has been assigned at Redstone Arsenal since March, 1963 following a tour as a Military Assistance Programmer with the Military Assistance Advisory Group in Vietnam from January

1961 to January 1962.

Col. Hansen enlisted in the Army in August 1940 and received a reserve commission in December of 1942. He received a Commendation Medal while serving at Schofield Barracks, Hawaii.

The Hansens consider Florida home. They have an older daughter, Linda, and a son, Randolph.

The Colonel has been reassigned to the Office of the Director for Logistical Services at the Headquarters for the U. S. Army Armor Center at Ft. Knox, Ky. This is his second assignment at Ft. Knox since 1959.

BRIDGE WINNERS

Mrs. J. Bull won the Thursday bridge competition sponsored by the Redstone Officers Wives Club at the Officers Open Mess. Mrs. B. Brown was low. Reservations to play with the group are handled by Mrs. R. Allgeier.

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CO-OP WORKS WITH LASER SYSTEM—Joe McGinty of Demopolis, Ala., an electrical engineering major at Auburn University, assists in checking out a laser system prior to going into the field to make measurements with it. Joe is on his first co-op training period and is working in the Electro-Optical Branch of the Advanced Sensors Laboratory in the Army Missile Command's Research and Development Directorate. Joe finds his job very fascinating and says he thinks it will be the most valuable experience he'll encounter while attending college.

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- Class No. 5—3 year old walking mares.
- Class No. 6—3 year old walking stallions or geldings.
- Class No. 7—Open pleasure—3 gaited.
- Class No. 8—Men's western pleasure quarter type.
- Class No. 9—Walking mares 4 years old or older.
- Class No. 10—Walking Stallions or geldings 4 years old or older.

SATURDAY, AUGUST 5th - 7:30 p.m.

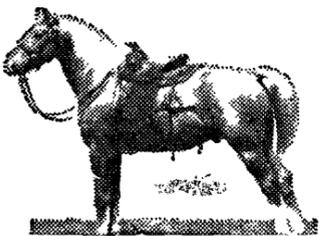
- Barrel Race ● Flag Race ● Stake Race ● Rescue Race ● Keyhole Race ● Youth Division Classes

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Coal Consumption Is Big Business Operation

Enough coal to fill trucks lined bumper to bumper from here to Scottsboro—that's what the U. S. Army Missile Command consumes annually in its steam plant which is operated by the port engineer for the Arsenal Support Operations Directorate.

Coal here, is a million dollar a year business with the bulk of it now being hauled from Alabama mines in trucks. Some still arrives aboard railroad gondolas. Barging it in has been abandoned, but it could be landed at the boat docks on the Arsenal's Tennessee River boundary if an emergency should arise. Years ago, the bulk of the coal was landed there and the sampling for the Bureau of Mines was processed right at the dock area. Now, an annex at the main steam plant houses this operation.

Most of the men are old hands at the business of keeping the furnaces fired and the steam moving across expansive areas of the arsenal for industrial as well as individual heating.

Some of the lines are buried. These have pits at escape valve areas for the lines to bleed into. The above ground system arches roads at crossings and criss crosses the terrain like a silver snake. The weather takes its toll of these and repairs are a fulltime job in the summer. Normally in winter it takes 12 men to man a shift so the men swing from one shift to another to give each a chance to look at the daylight.

The average age among these men is way-past-forty, the time on the job averages over fifteen years. This worries Charlie Cornelison, the plant super because he isn't getting young replacements to train for future operations.

For instance, Clyde R. Jennings has been on the job as a mechanic for the past 21 years. Jennings, believed by some to be the best mechanic on the job, came to Redstone with the contractor who built the original Arsenal facilities. When the contractor finished, he transferred to civil service.

He had a break in service when the arsenal was put on standby and followed his vocation on automobiles instead of industrial equipment. In 1949, he returned to the arsenal. He still uses his tools on an occasional automobile.

His oldest daughter, Nadine Rushbrook, also works here in the



FOREMAN IS FISHERMAN—John F. Jackson, foreman of the Coal and Ash Handling Operation at the Arsenal's Main Steam Plant,

likes to fish on his days off. Jackson, who has 26 years of Federal employment behind him, is a native of Tennessee.

assistant communications office of the Arsenal Support Operations Directorate. His other daughter, Colleen Hall, is staying at home at present. The two Jennings sons work for Madison County, Jimmy as an investigator and Glenn as a deputy sheriff.

John F. Jackson, the foreman in charge of the coal and ash handling and supplies, began his federal career 26 years ago at Camp Forrest, Tenn. Later he worked in a steam plant at Sewart Air Force Base until it closed in 1947 and he transferred to Redstone Arsenal.

Jackson points out that he was the first man to fire two of the smaller steam plants on the Arsenal, one at Bldg. 3684 and another at Bldg. 8028.

Unlike Jennings who tunes cars in his spare time, Jackson would rather sit on a bank and fish.

The Jackson home is in an area which has been rezoned. He is anticipating a move so that he can plant a garden.

His son, John Jr., will graduate from Tennessee A and I in December. His second daughter Johnnie Elora graduates in August, and Catherine Roberts, the older

daughter, is working at the Missile and Munitions Center and School. The Jacksons appreciate the need for an education to succeed. John Sr., studied steam engineering by correspondence to

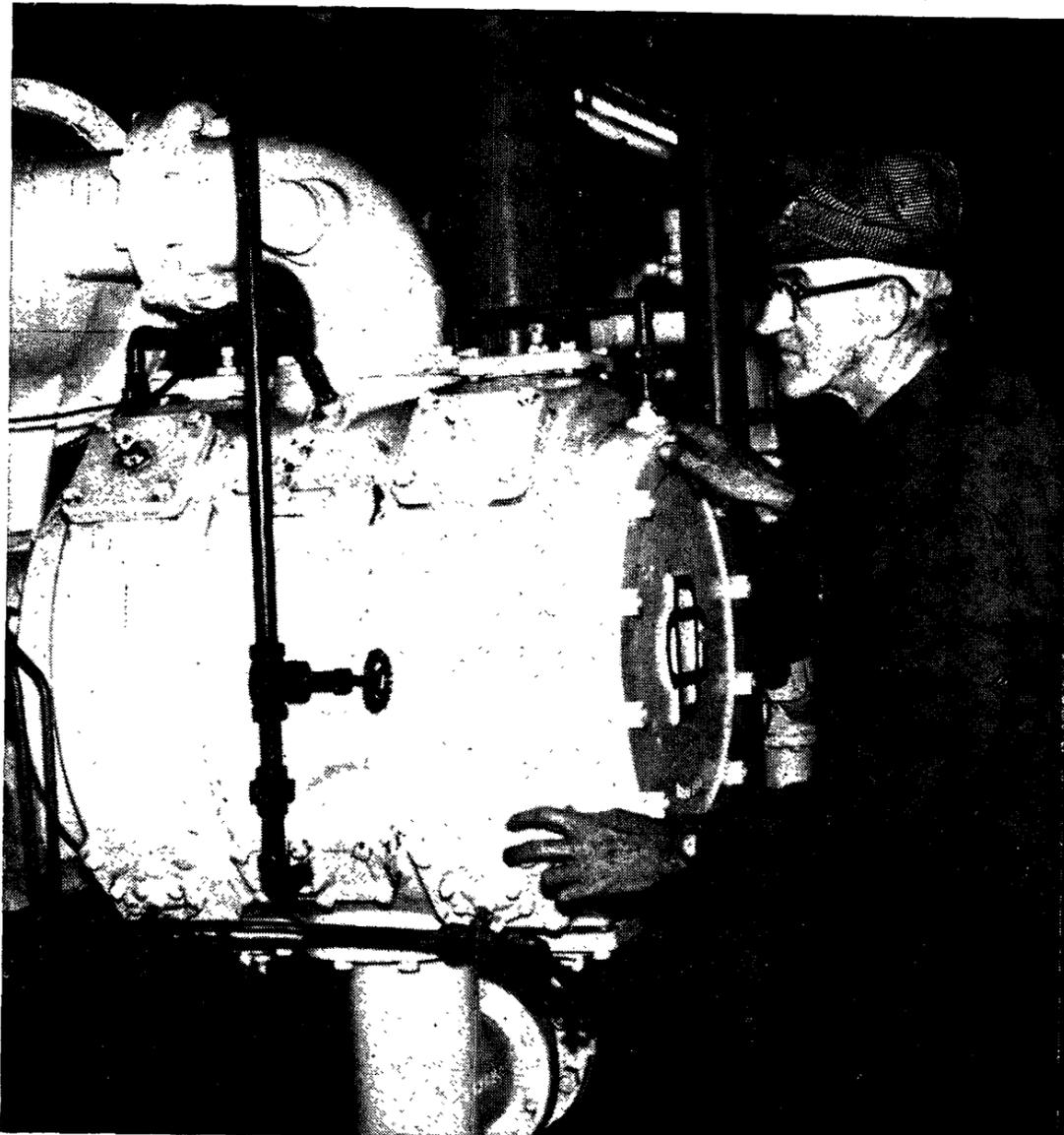
better understand all phases of a job which has steadily increased in responsibility over the years.

Jackson believes in on the job training, too. He won't let a new

(Continued on Next Page)

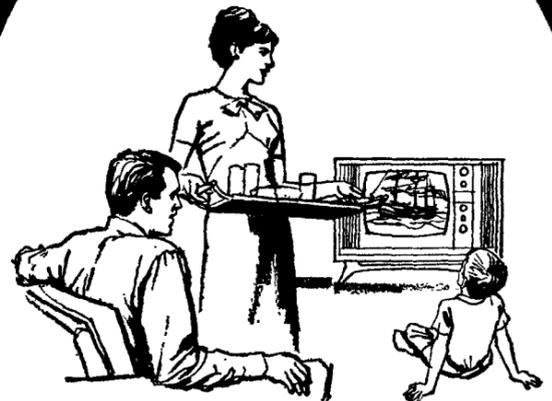
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The Redstone Rocket — August 2, 1967



MECHANIC LIKES HIS WORK—Clyde R. Jennings, who has spent 21 years as an industrial mechanic at Redstone Arsenal, likes to work on automobiles during his spare time at home. He has also made a living at his avocation.

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Goods, Services Cost \$42 Million In Month Of June

U. S. Army Missile Command service and supply orders and awards rose to more than \$42 million during the past month. Of this amount, approximately \$2 million was spent with firms in Alabama. Huntsville's share represented more than \$1 million.

None of this business includes the contracts for \$1 million or more, but covers hundreds of small purchases for such items as laboratory and office supplies, electric current, missile repair parts, and general support material for the Army missile programs.

The Missile Command's Procurement and Production Directorate, headed by Col. S. C. Holmes, is responsible for the negotiation and execution of these contracts.

was in an open field and had to be fired round the clock to keep the mustard gas plant operating. Vaughn remembers the year 1942 as the worst year of all. Public transportation was overloaded, the weather was foul with ice, snow, sleet and rain, and the roads were not paved. Despite this, he walked to work, fired his temporary boiler in the field, and resigned himself to a double shift on the nights the weather was worst and his relief man didn't show.

He also recalls that food was scarce that winter. War time rationing removed many things from the grocery list that today's shopper takes for granted.

About retirement . . . he isn't sure. When he hits the magic age of 70 in three years, he'll think about it.

FARMER AT HEART—George L. Vaughn was born on a farm in Coffee County, Tennessee and still likes to work the soil. Before he became a member of the steam plant staff at the Arsenal, he plowed and sowed fields of corn and cotton on the same land on which he now helps heat buildings in winter.

COAL

(Continued From Previous Page)

ever fired a furnace at Redstone Arsenal, he raised cotton and corn on the land. His brothers and sisters married and moved out so he continued to live with his parents, supporting them when they both grew to old to work.

He married a fisherman. Vaughn claims he can't catch a fish in a bucket, but his wife's luck is phenomenal so he goes out and sits on the bank while she fishes. At home, he gardens. They invested in an extra lot next to their home so that he could grow the vegetables they like.

Vaughn came to work at Redstone Arsenal when the steam plant had no shelter. His boiler

man go in to clean a furnace until he has assured himself that man knows what he is doing and won't tear out the firebrick.

The oldest man on the staff of the Steam Plant is George L. Vaughn who also has 26 years of service. Vaughn started as a farmer in Coffee County, Tenn. To make the farm pay the children learned to work the land alongside their parents.

In 1925, his parents decided to move to Huntsville. Before Vaughn

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ANNUAL ASSEMBLY SET The Huntsville Commandery No. 7, Knights Templar Masonic Body will hear MG Horace B. Hanson, Jr., U. S. A. R. National president of the Reserve officers Association at the annual patriotic assembly Aug. 11. The meeting will be at the Carriage Inn. Earl Hicks is handling reservations. His phone is 876-2212.

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In the U. S. Army Missile Command's Research and Development Directorate, these ingredients culminated in the discovery that a spectroscopic technique could be used to increase the power and efficiency of gas lasers.

Capt. George J. Dezenberg and

Dr. James A. Merritt of the Optical Spectroscopy Branch, Physical Sciences Laboratory, using a mirror system to produce multiple ray paths through the gas medium, have discovered that the output power and efficiency can be increased without increasing the length of the laser.

The results of their experiment appears in the September, 1967, issue of the Journal of Applied Optics, and were also presented by Capt. Dezenberg in Washington last month in a symposium on laser engineering and applications held by the Institute of Electrical and Electronic Engineers.

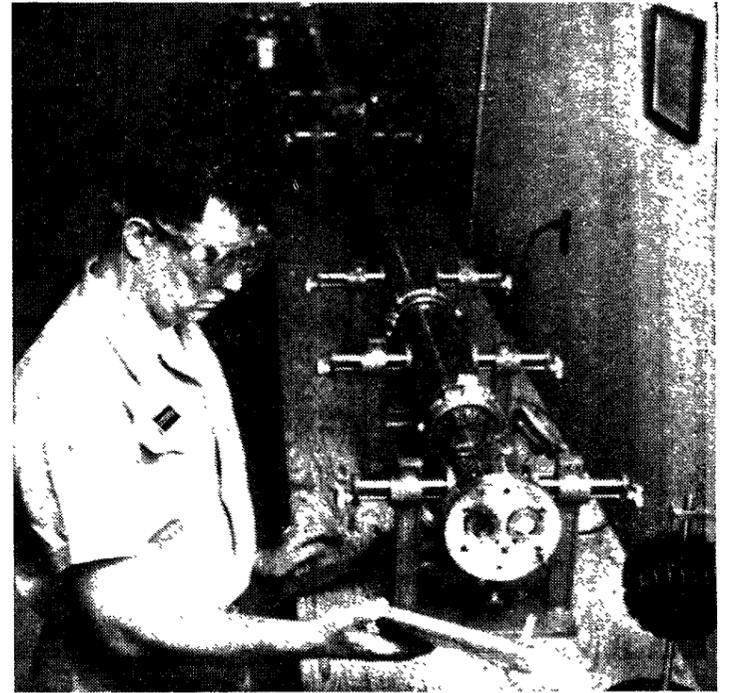
The two scientists have a patent application in for industrial applications of their discovery and have received a number of requests from private companies for information about their findings.

In contrast to previous gas laser techniques, which relied on a single ray path through the gas, the modified type uses a mirror system to produce a multi-path through the gas medium. The number of paths can be varied by adjusting the mirror system.

Capt. Dezenberg, who was awarded a PhD in electrical engineering at the Georgia Institute of Technology, has also been teaching engineering courses part-time at the University of Alabama in Huntsville for the past four quarters. His previous teaching experience includes part-time teaching at Georgia Tech and at the University of Arkansas, where he received his MS degree in electrical engineering.

Capt. Dezenberg believes his two years in the laboratory have been mutually beneficial to the Army and to his own professional development. In fact, he plans to continue his work at the laboratory as a civilian after finishing his current tour of duty.

Dr. Merritt, his supervisor, obviously pleased at his decision, says that Capt Dezenberg will be the third officer with a PhD to remain with the laboratory as a

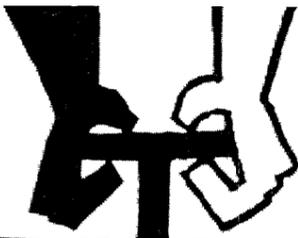


ZAP!—The output of a gas laser using a technique new to laser technology is demonstrated by Capt. George J. Dezenberg of the Army Missile Command's Research and Development Directorate. Captain Dezenberg and Dr. James A. Merritt adapted a spectroscopic technique to improve the power and efficiency of gas lasers.

civilian after a tour of duty there. spectroscopy laboratory in the Southeast and the only Army facility with a significant basic research program in gaseous molecular structure.

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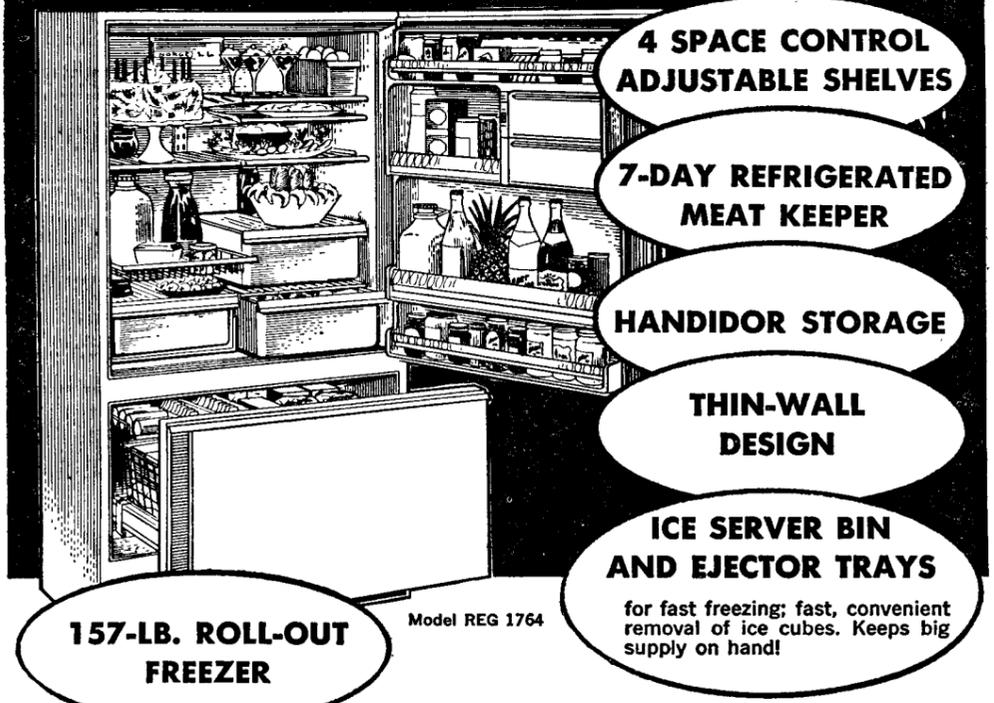
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Illinois Man Is 50,000th Graduate From Missile And Munitions School

A young soldier from Illinois Friday became the 50,000th graduate of the Army Missile and Munitions Center and School which was established at Redstone Arsenal 15 years ago.

He is Private First Class Norman L. Rexroat of Monee, about 15 miles south of Chicago. He received symbolic souvenirs from the school's commandant, Col. Erwin M. Graham, Jr., and Mayor Glenn H. Hearn of Huntsville. He has spent 31 weeks learning how to maintain the radar system of the Hawk air defense missile. By coincidence, his graduation day is also his 20th birthday. His parents are Mr. and Mrs. Kenneth Rexroat of Monee, and he is a graduate of the Crete-Monee High School. He entered the Army last September.

Rexroat was given the school's coat-of-arms by Col. Graham and was made an honorary citizen of Huntsville by Mayor Hearn.

The soldier was among 170 students from the U. S. Army and Marine Corps, and Nationalist China who completed several courses in missiles and ammunition maintenance and repair.

The graduates were addressed by Lt. Col. Arthur G. Lange Jr., project manager of the Sergeant Land combat missile system at the Army Missile Command headquarters also on Redstone Arsenal. The ceremony was held in the Redstone Theater.

Calling the MMCS graduates, "something special", Col. Lange recalled a recent assignment as the commander of an ordnance ammunition battalion. He said, "I welcomed every graduate I could get from this school with open arms." He also said that numerous battalion commanders he had talked to recently in Europe, where a majority of the MMCS graduates are stationed expressed "complete sat-

isfaction" with the knowledge graduates of this school brought with them."

Mayor Hearn pointed out that the 50,000 students who have attended the school are two and one-half times the population of Huntsville who numbered only 20,000 in 1952 when the huge missile and space development program was just beginning at Redstone Arsenal. The population of the city is now estimated at 150,000.

Col. Graham said the 50,000 graduates have come from all branches of the U. S. armed forces and 26 nations of Europe, Asia, Africa and North and South America. About 9,000 other students are to be trained during the current academic year.

The individual graduates are subject to assignment with U. S. and Allied missile and ammunition forces throughout the free world.

The Center and School also activates, trains, equips and deploys complete missile and munitions maintenance, support and explosive disposal units.

Established as the Army Ordnance Guided Missile School in 1952, the institution was first commanded by Col. Graham who then held the rank of major in the Ordnance Corps. He returned as a colonel in 1965 to head the activity which had expanded into a large technical training center with buildings and equipment valued at \$95,000,000 and a staff and faculty of about 2,500 military and civilian personnel. With the addition of ammunition training in 1965, the name was changed to Army Missile and Munitions Center and School. It is an element of the Continental Army Command which controls the five armies based in this country and operates 26 schools.

Burl Galloway of the Thiokol Corporation and President of the Tennessee Valley Chapter, Association of the U. S. Army, presented outstanding educational achievement plaques to five students who averaged 96 or better in

their studies.

They were: Maj. Richard E. Rogers of Tyler, Texas (96.5); SSG Stephen A. Sandwich of Wichita, Kan., (96.5); PFC Joseph V. Biese of Kaukauna, Wis., (96.4); PFC Gary P. Patton of Bartonville, Ill., (96.9); and Pvt. Charles Cobb of Batesville, Miss., (96.0).

Cited as honor graduates were: Pvt. Kenneth E. Fox, 90.8; PFC Willard H. Barrett, 95.1; PFC Willie B. Walton, 95.3; SP4 James L. Butler, 89.7; PFC Allen G. Zimmer, 88.8; Pvt. John Sawyer, 94.8; and Pvt. James Schumaker, 92.2.

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TWELVE RECEIVE HONORS DURING RETREAT PARADE

It was a perfect day for a parade and a perfect parade did take place last Friday at the Redstone Arsenal parade field.

Maj. Gen. Charles W. Eifler, was Reviewing officer at his first Review and Retreat Parade since he was assigned as Commanding General of the Army Missile Command last month.

The parade was in honor of personnel retiring from military service.

The following personnel, retired on July 31, were honored at the parade: LTC Lawrence V. Dowd, Jr., CW4 Ralph P. Dials, MSG George A. Matt, MSG Laroy W. Mitchell, SFC Richard E. Everhart, SFC Oscar W. Hyatt, SFC Bart O. Weese, SSG James V. Copeland, SSG Emmeth L. Klyvert, SSG David Terrill, SSG John H. Staners, Jr., SP5 Clarence J. Bracewell.

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Enrollment may be made by individuals or companies. Since enrollment is limited to the first 40 qualified persons, registration should be made as soon as possible. For further information contact the Conference Activities Department; University of Alabama in Huntsville; P. O. Box 1247; Huntsville, Alabama 35807. Telephone 837-4700, extension 321, 322.

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SUN.-MON., Aug. 6-7
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New Educational Advisor Named At Missile School

Appointment of Vaughn E. Davison as senior educational advisor at the Army Missile and Munitions Center and School is announced by Col. Erwin M. Graham, Jr., commandant.

A veteran of 34 years in civilian and military education, Davison will supervise a faculty of some 900 persons at the \$95,000,000 school that trains missile and munitions maintenance experts for the U. S. Army, Marine Corps and 26 Allied nations. His position corresponds to that of a dean in civilian educational institutions.

Davison holds bachelor and master degrees in education from Southern Illinois University and the University of Illinois. He has also done postgraduate study at Butler University, University of Illinois and John Hopkins University. He is a former superintendent of school at Johnston City, Ill.

He has held several Army educational positions as an enlisted man, an officer and a civilian executive over a period of 24 years. He came to the Missile and Munitions Center and School from an evaluation and research assignment with the Office of Manpower in the Department of Labor in Washington, D. C. He also has served as educational advisor at headquarters of the Ordnance Training Command, Aberdeen



VAUGHN E. DAVISON

Proving Ground, Md., and the Continental Army Command at Fort Monroe, Va.

Commissioned in the Officer Candidate School at Aberdeen Proving Ground, Md., in 1944, Davidson has studied and taught in a variety of assignments with the Army. These include the Ordnance School at Aberdeen Proving Ground, Md.; Industrial College of the Armed Forces; Army Reserve School in Baltimore, Md.; Army Management School; chemical-biological-radiological training at Dugway Proving Ground, Utah; guided missile and special weapons training at Fort Bliss, Texas; atomic weapons orientation at Sandia Base, New Mexico; automated instruction studies at Fort Lee, Va.

Davidson is married to the former Beatrice McPherson.

He succeeds Dr. Charles M. Hersh who transferred last year to a position with the Department of the Army in the Pentagon in Washington, D. C.

OVER 120 ARMY COMMUNITY SERVICE CENTERS have been established Army-wide since the program began on July 25, 1965. More than 280,000 individuals have received assistance at these centers.



CAPTAIN DECORATED—Capt. George T. Hudgens, left, is congratulated by Col. Erwin M. Graham, Commandant, Army Missile & Munitions Center & School after receiving the Bronze Star and Air Medal in formal ceremonies at the school. Capt. Hudgens, 25, from Dardanelle, Ark., recently returned from duty in Vietnam with the 1st Battalion, 5th Cavalry, 1st Air Cavalry Division where he was a company commander. He is assigned as the Republic of Vietnam (Vietnam Village) Committee Chief at MMCS.

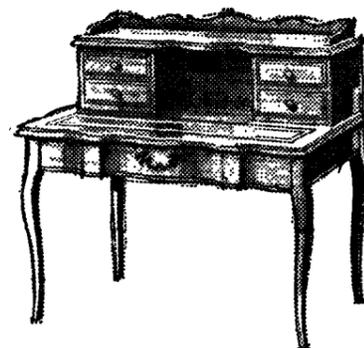
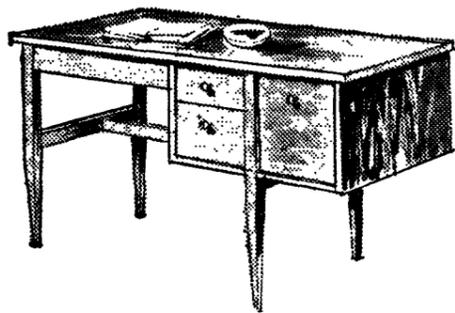
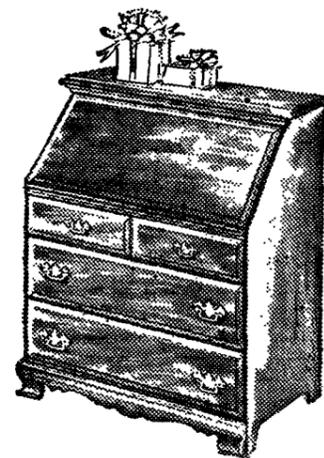
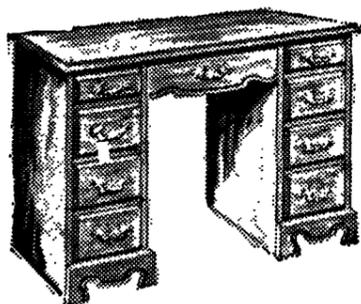
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1966 CHEVY Impala, 4 door hardtop, power steering, air cond., 13,000 miles, same as new, sell or trade, phone 539-7454. 1tc

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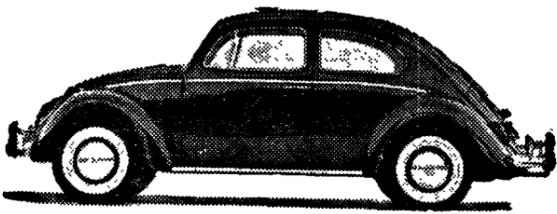
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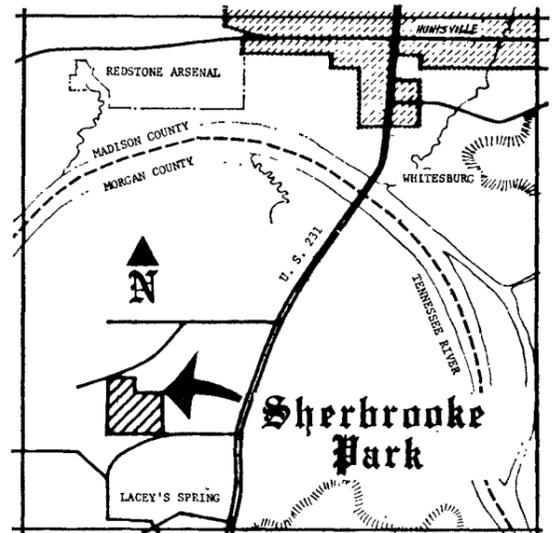
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CONGRATULATIONS—Brig. Gen. Clarence C. Harvey, Jr., (right) congratulates Col. Joseph S. Churan on his promotion to that rank last week. Mrs. Churan helped pin the new insignia on her husband's uniform during the ceremonies. Col. Churan is the Post Dental Surgeon. Gen. Harvey is the Deputy Commanding General for Air Defense Systems at the Army Missile Command.

Col. Churan Receives Promotion

The Post Dental Surgeon at Redstone Arsenal has been promoted to Colonel.

He is Joseph S. Churan who was assigned as Deputy Dental Surgeon in the Arsenal Support Operations Directorate in September 1965.

Col Churan is a prosthodontist who served in the Canal Zone for the three years before his assignment here. During World War II he was in the African-European campaign as an enlisted man and when released from military service attended Loyola University in Chicago to earn his Doctor of Dentistry Degree in 1949.

He became an Army dental officer in January 1950 and has been assigned in Virginia, Texas and Japan.

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Poster Contest Set

A 1967 Zero Defects Poster Contest has been announced by Horace Lowers, the Command's ZD Council Chairman. Open to all military and civilian employees of Missile Command and the Nike-X Project, the contest will run from Aug. 2 to Sept. 1.

The response to last year's poster contest was overwhelming, with nearly 250 entries. The 12 winning posters have been displayed throughout the Missile Command and Nike-X organizations during the past year.

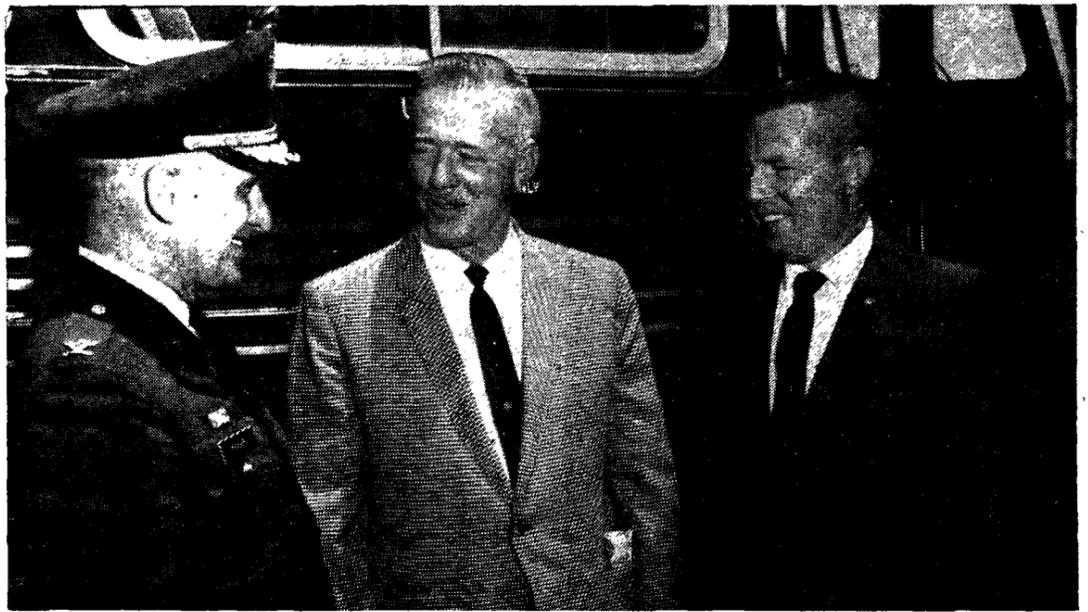
This year, winning posters will also be submitted to Army Materiel Command Headquarters for judging in the new AMC Poster

of the Month Contest. Missile Command winners in the AMC contest will be recognized and their posters used throughout AMC.

"We are interested in getting new and original ideas," said Lowers, emphasizing that one need not be an accomplished artist to participate in the contest and be eligible for an award.

Lowers stated that all entries are to be freehand sketches on plain bond 8 inch by 10½ inch paper. "Just sketch out your idea and we will take care of the art work," he continued.

Entries should be attached to a regular suggestion form and forwarded to the Zero Defects Program Council (AMSMI-XE), Bldg. 5250. The proposals will be evaluated by a panel of judges solely on their adaptability for promoting Zero Defects. Those submitting poster ideas that are accepted will be recommended for an appropriate cash award under the Incentive Awards Program.



FORT RUCKER GROUP VISITS REDSTONE—Col. W. F. Kaiser, Missile Command Chief of Staff, talks with Glen Heath (center) and Burl Galloway (right) during a one-day tour of Army activities here last week. Heath, an Enterprise, Alabama business man is Chairman of the Community Advisory Committee of the Fort Rucker Chapter, Association of the U. S. Army. This committee is similar to the Huntsville Army Advisory Committee. Galloway, a Thiokol executive, is president of the Tennessee Valley Chapter, AUSA. The local chapter hosted the visitors for luncheon. Visitors were from the Alabama towns of Enterprise, Dothan, Geneva, Ozark and Daleville.

Reliability Course Set At University September 5-15

A short course in "Reliability Test and Demonstration for Missile and Space Systems" will be held at the University of Alabama in Huntsville, Sept. 5-15.

This course reflects the efforts of the Qualifications and Reliability Management Office, the Civilian Personnel Office, and the University of Alabama and is intended for engineers, scientists, and technical managers concerned with product assurance and reliability.

Applications for attendance should be processed as early as possible through normal Civilian Personnel channels (AMSMI-Form 1011). Questions pertaining to the technical content may be directed to Charles D. Cox or Miles R Hardenburg, phone 876-3738 or 876-1875.



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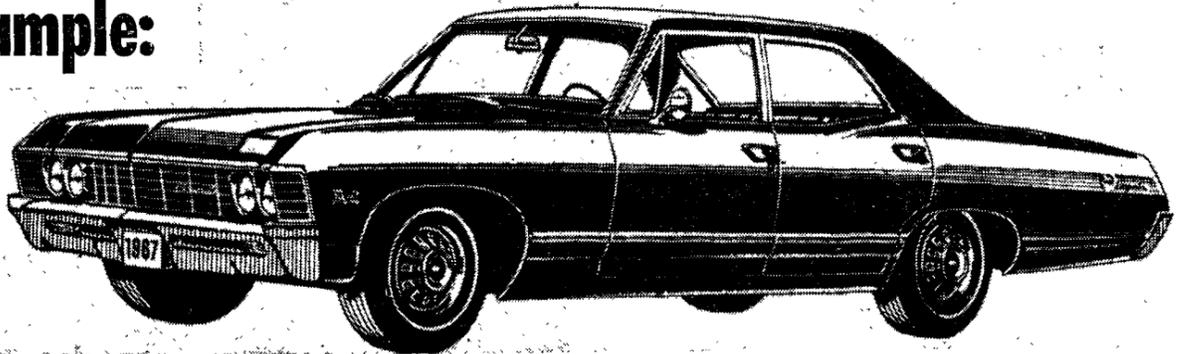
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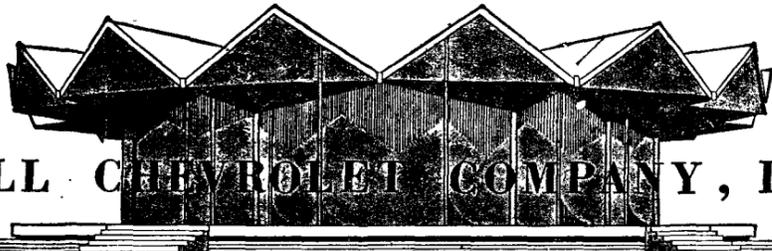
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