

The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

FEBRUARY 16, 1966

Heart Attack Proves Fatal To MICOM Laser Expert

James R. Dearman, 40, one of the Army's outstanding researchers in laser applications, died February 8, of a heart attack.

A group leader in the Army Missile Command's Applied Physics Branch of the Electromagnetics Laboratory, Dearman was stricken fatally shortly after 4 p.m. as he was leaving the headquarters building of the Research and Development Directorate.

A native of Morrison, Tenn., Dearman from 1961 to 1962 was engaged in design and development of infra-red instruments used in guided missile research. In 1962 he was named to lead a group responsible for design and operation of the Army's so-called Big X Laser System at Arnold Engineering Development Center, Tullahoma, Tenn.

In 1963 he began to play a major role in a continuing series of medical experiments applying Army laser devices to surgical treatment of cancer, working with medical researchers from the National Institutes of Health from Bethesda, Md. He was one of the Army engineers who designed a unique special laser device for use by the National Cancer Institute in its research program. This device is now undergoing tests at Redstone Arsenal.

Dearman received the Army Research and Development Achievement Award and the Army Missile Command Scientific and Engineering Award in 1964.

From 1944 to 1946 he served in the U. S. Air Force. He graduated in 1950 from Vanderbilt University, holding a BS degree in mechanical engineering.

Prior to entering Federal service in 1961, Dearman was president of the Morrison Chair Co. for which he designed special production machinery. He also served as a consultant to firms manufacturing special machinery for automatic production line applications.

His five years in Civil Service have been with the Missile Command's Electromagnetics Laboratory.

Surviving are his wife, Mrs. Dorothy Ramsey Dearman; two children, Jan E. and James R., Jr.; his parents, Mr. and Mrs. Robert A. Dearman of Morrison, a brother, Billy C. Dearman, also of Morrison.



JAMES R. DEARMAN

AFCEA Elects 1966 Officers

The Armed Forces Communications and Electronics Association elected officers for 1966 and heard a talk on "Communications and Your Municipal Government" by Mayor Glenn H. Hearn of Huntsville at the Redstone Officers Open Mess recently.

Earl A. Dotson introduced the Mayor. Mayor Hearn talked about some of the uses of the cities complex communications system.

J. B. Galloway was elected president with Bob Hughes first vice president and Col. S. J. Clark second vice president. The new third vice president is C. E. McCrary, the secretary is C. F. Owens and the treasurer is E. J. Piery.

The board of directors includes: W. A. Beach, B. F. Beckelman, E. J. Dotson, A. E. Douyard, Brig. Gen. Clarence C. Harvey, Jr., J. H. Goodloe, J. E. Hatch, Jr., E. D. Hildreth, Dr. Oswald H. Lange, R. E. Lindstrom, A. V. Pilling, F. S. Schultz, J. P. Smith, M. B. Spragins, J. M. Street, Jr., and W. H. Yeatman.

Galloway, in his acceptance speech, said he could think of no industry in the rocket and missile field not vitally concerned in keeping pace with the rapid changes being made in communications and electronics. He said the primary purpose of AFCEA is to promote (See AFCEA on Page 3)

Low Altitude Studies Made

A group from the Institute of Defense Analyses in Washington, D.C., studying problems of low altitude air defense, is visiting the Army Missile Command this week.

The group will tour various laboratories and be briefed on several of the Army's air defense missile systems, according to Harry F. Vincent, Project Director, Research and Development Directorate.

The visitors include Dr. Bernard Paiewonski, James J. Bagnall, H. L. Goda, Paul Shelton, Dr. J. A. Glass, Jerome Goldhammer, and Sidney Applebaum. Accompanying them are Lt. Col. William Pennington, Combat Developments Command, Ft. Bliss, Texas, and Lt. Col. Phil Haisley and Edward M. Sedlak, Army Materiel Command, Washington, D. C.

Col. Graham Outlines Expansion Of Center

The Metropolitan Kiwanis Club last Monday heard a detailed explanation of the expanded missions of the Army Missile and Munitions Center and School by Col. Erwin M. Graham, Jr.

Assisted by a team of instructors headed by Lt. Nolan E. Taconi, Jr., of the Officer Training Division, Col. Graham traced the 13-year history of the school from its beginnings in left-over World War II buildings to a modern institution now valued at more than \$65,000,000 that graduates 7,000 students per year from the U. S. and 21 foreign nations.

Col. Graham told the Kwanians that the transfer here of all ammunition training for the Continental Army Command has doubled this year's student enrollment over last year's.

A new building costing almost \$1,000,000 is under construction and new ranges for ammunition training have been equipped to give not only day-to-day instructions in conventional and special ammunition but also to train about 50 Explosive Ordnance Disposal units that come here from all over the U. S. each year for two-week refresher courses.

Col. Graham said that the Munitions Center and School expects its enrollment to remain at its present increased level for the next year or so.

Missilemen Conducting TOW Testing In Arctic

What happens when soldiers with an anti-tank missile system are thrown into a climate where temperatures plunge to 25 degrees below zero?

Missilemen from the U. S. Army Missile Command are finding out at Fort Greeley, Alaska, where they have begun Arctic tests with the Army's new TOW heavy anti-tank assault weapon.

Working with officials from Hughes Aircraft Company, TOW prime contractor, the Army is conducting a series of tests, as it does with all new equipment, to determine how effectively the weapon system and soldiers operate under extreme weather conditions.

These engineering development tests represent a major milestone in the development of the tank killer.

TOW is being developed for the infantryman for use against hard-point targets, gun emplacements and other field fortifications. Combining a lethal warhead with high accuracy at both close and long ranges, it will be effective against both moving and stationary targets.

The TOW system is managed by

the Missile Command at Redstone Arsenal, Ala., under Lt. Col. Ballard B. Small, Project Manager.

During testing at Fort Greeley, several missiles will be fired to determine operational capabilities of the hardware. Firings will be done in an area called "Big Delta" which is noted for severe weather conditions. But no less important is the effect of sub-zero weather on the man-equipment relationship. Among other things, troops will carry the equipment, assemble it, run through firing procedures and disassemble the equipment.

From these tests, the Army will get answers on ability of the soldiers to perform TOW operational tests in Arctic weather.

Conducting these tests for the Missile Command is Frank Bunn, Test and Reliability Evaluation Laboratory, who is test team leader. Representing Hughes are George B. Clow and J. M. Oddino, contractor team leaders and Dr. Donald W. Fraser who is responsible for coordination and planning of the tests.

In addition, Dr. John M. McGinnis, Psychology Labs, Pioneering Research Division, Natick Laboratories, will evaluate the man-equipment relationship.

Winger Makes Top Soldier Of Month List

Spec-Four Warren I. Winger, Company C, U. S. Army Missile and Munitions Center and School was named Post Soldier of the Month for January 1966.

Spec-Four Warren is a company clerk for "C" Company.

Winger, the son of Mr. and Mrs. Robert C. Winger, Lakewood, New York, is a 1960 graduate of Southwestern Central High School and attended the Rochester Institute of Technology for two years.

He entered the Army in September 1964 and completed basic training at Fort Dix, New Jersey.



SP4 WARREN I. WINGER

Production-Line Shillelagh Delivered At Iowa Plant

The first production-line Shillelagh missile—a guided missile that is shot from a tank cannon—was delivered to the U. S. Army Missile Command Thursday at the Iowa Army Ammunition Plant at Burlington.

Accepting for the Army was Col. B. A. Saholsky, director of the Missile Command's Procurement and Production Directorate. Delivery of the hardware was made by John B. Lawson, General Manager of Aeronutronic Corporation, Shillelagh prime contractor.

Shillelagh is a gun-launched guided missile system being developed for Army armored vehicles. The Missile Command directs the program under Lt. Col. Spencer R. Bacon, Project Manager.

D. E. Heffelbower is plant manager of the Burlington facility which is operated by Mason & Hanger, Silas Mason Company,

Inc., sub-contractor to Aeronutronic.

Some guidance and control equipment was delivered to the Army last week at the Lawndale, Calif., Army Missile Plant where Aeronutronic also produces Missile subassemblies. After leaving Lawndale, final assembly is done at Burlington, including arming of the missile.

Shillelagh's 152mm gun-launcher can fire either missiles or conventional rounds of ammunition. The system is effective against moving or stationary targets and is capable of defeating any known enemy armor.

Shillelagh will be the main armament for the General Sheridan armored reconnaissance airborne assault vehicle, the M-60 current main battle tank and the United States-Federal Republic of Germany Main Battle Tank of the 1970s.



DISCUSS HELICOPTER ARMAMENTS—Maj. Gen. John G. Zierdt (left), Commanding General of the Army Missile Command, chats with two missilemen who manage weapon systems for Army helicopters. The Missile Command was host recently to the third annual meeting of Aircraft Weapons. At center is Col. Nelson A. Lindstrand, Project Manager for all Aircraft Weapons at the Army Materiel Command and at right is Col. Cyril D. Sterner, Land Combat Commodity Manager who directs the Aircraft Weapons program at the Missile Command.

The Redstone Rocket

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Rocket Ruminations

Marriage is that relation between man and woman in which the independence is equal, the dependence mutual, and the obligation reciprocal.

—Louis Kaufman Anspacher

A Tribute

Untimely death of James R. Dearman is a sad blow to his multitude of friends and fellow workers at the Army Missile Command and elsewhere.

A man of humor, ability and foresight, he has been an important player on the team that performs for the Applied Physics Branch of the Command's Electromagnetics Laboratory.

Of all his contributions to Army research, perhaps one of the most important has nothing to do with a military program. This is the application of Army laser devices to the surgical treatment of cancer. With his friend, William B. McKnight, he developed a special laser device that would permit doctors to do advanced research in the treatment of certain forms of internal cancer. Medical researchers with whom he worked are hopeful that the equipment will provide a major breakthrough in this field.

Dr. John P. Minton, a surgical investigator formerly with the National Cancer Institute, and who had been closely associated with Jim Dearman, gave this tribute:

"His vision of the potential value of laser energy permitted an unprecedented joint effort in laser cancer research that may be a major contribution to the therapeutic management of patients with advanced cancer..."

Jim Dearman's enthusiasm and energy will certainly be inspiration to his teammates as they carry on their important assignments.



Washington's Words Have Meaning Today

George Washington, born Feb. 22, 1732, left many gifts to the nation he helped found. His words and writings are those of both the soldier and statesman.

As with great men, many truths in Washington's words have outlived him.

In his first annual address to both houses of Congress, Jan. 8, 1790—the First State of the Union Message—President Washington made a statement, the importance of which has become more significant through the years. He told leaders of the young American nation. "To be prepared for war is one of the most effectual means of preserving peace."



America didn't learn Washington's lesson easily. More than once in our history we have been drawn into a conflict unprepared or only partially so.

In today's world, far removed by time and technology from Washington's struggles, his warning words still ring out. They are a blueprint of our hope for peace.

President Johnson voiced them differently when he said: "We will give our fighting men what they must have; every gun, every dollar, and every decision—whatever the cost and whatever the challenge."

This statement, too, was made to preserve the peace—to stop aggression and restore human rights.

Sometimes, as in the case of Vietnam, we must fight the smaller battle to maintain and insure the larger peace of the future. This is a political and military tactic which soldier-statesman Washington would understand and support. For, like those in Vietnam today, Washington's struggle was not only for the hour, but also for the future.

(AFPS)

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Effective Management Course Runs Five Weeks

The development of an effective management tool for controlling men, machines and materials was the theme for a five-week Work Methods and Standards training course concluded here last week.

Twenty Redstone civilians, representing each of the Department of Army agencies at the Arsenal, completed the course and have returned to their respective organizations to apply their instructions in the implementation of a Work Measurement Program.

Normally taught at the Army Management Engineering Training Agency at Rock Island, Ill., the course was added to the Redstone training curriculum in answer to an urgent need for qualified work measurement specialists here.

It was developed by the Management Science and Data Systems Office and the Civilian Personnel Office in coordination with AMETA. Robert Provost, an Industrial Engineer in Management Science was the instructor.

The course is designed to provide the student with an application of the basic elements of work measurement. Included in the course agenda was a study of the basic principles of methods improvement to cover the flow of work, man activities, and man-machine relationships.

The students also covered a study of the theory and techniques used in work measurement, the steps used to set engineered time standards by use of direct time study, predetermined time systems

and work sampling. The logical and systematic approach to methods study problems was emphasized giving full cognizance of the human relations involved.

The class that graduated last Friday answers the immediate need, however, additional classes will probably be scheduled in the future depending upon the demand.

Students in the first class included personnel from the Supply and Maintenance and Procurement and Production Directorates, the

Timber Sale Bids Announced Here

Col. R. C. Marshall, U. S. Army District Engineer at Mobile, Ala. has announced the sale of 288,000 board feet of pine sawtimber and 785 standard cords of pine pulpwood at Redstone Arsenal.

Arrangements to inspect the timber and to obtain bid forms may be made by contacting Roger W. Scoggin in the office of the Area Engineer, Corps of Engineers, Building 7155, Redstone Arsenal, telephone 876-2443, Wednesday through Friday of each week.

Bids will be accepted at the Corps of Engineers District Real Estate Office, Room 136, Loyal American Life Building, 2460 Government Street, Mobile, Alabama, until 2:00 p.m., C.S.T., on Feb. 24, and then publicly opened.

Missile and Munitions Center and School, the Army Missile Support Command, the Comptroller and Director of Programs Office and the Management Science and Data Systems Office.

The S & M personnel were Ernest Plunkett, Bobby Farris, William Pyle, George Brockett and William Downey. P & P was represented by Wanda Leak, Charles Davidson, Donald Watson, Louis Edmundson and John Rees.

Oliver Patrick and Royce Riddle attended from the school, William Ashby from Management Science and Richard Elrod from C & DP.

Support Command personnel graduating with the initial class were Delmas Woodis, Jimmy Layne, Sam Powe, Hollis Bridges, Joseph Miller and Lloyd Long.

Good source material can be obtained from the Treasury Department booklet, "Your Federal Income Tax," which can be purchased either from a local Internal Revenue Office or the Superintendent of Documents, Government Printing Office, Washington, D.C.

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Quality Control Sets Feb. 21 Meeting Here

The Huntsville Section of the American Society for Quality Control will meet Monday night, Feb. 21, at 6:30 p.m. at the Redstone Officer's Open Mess.

John Levinson, Reliability Coordinator of Propulsion at NASA, will speak on "Failure Mode and Effect Analysis: Why, When, How."

Levinson has been in reliability work at Huntsville for ten years; first with the System's Analysis and Reliability Lab of ABMA, then with the Reliability Office of the P&VE Lab. He worked for Lockheed Aircraft in California prior to coming to Huntsville. He is a mechanical engineering graduate from Marquette University.

Interested persons may call 532-1659 or 876-4472 for dinner reservations.

Public Relations Course Scheduled At Wisconsin

The Army has announced plans for its 1966 advanced public relations course at the University of Wisconsin from June 19 to August 13.

Military personnel occupying, selected for, or willing to accept a future assignment in the information field, and in the grade of captain or above are eligible to apply for this special training.

Civilian employees, to be eligible, must be occupying a position in the information field and must be GS-9 or above.

The course provides formal graduate level training in the principles and techniques of public relations.

Eight graduate academic credits will be awarded upon successful completion of the course. The credits may be applied towards a master's or bachelor's degree at other institutions, as governed by the individual's qualifications and the policy of the school concerned.

Personnel who wish further information on this program may communicate directly and informally with the Chief of Information, Attn: Policy and Programs, Department of the Army, Washing-



COMMANDERS GET BRIEFING—Officials of the Association of Huntsville Area Contractors met at the Army Missile Command recently to brief Army elements at Redstone Arsenal. Talks included current and future programs as well as accomplishments and a history of the organization. L. C. McMillan (right) Executive Director of the Association, is shown here in a discussion with Maj.

Gen. John G. Zierdt, Commanding General of the Missile Command. Looking on from the left are: Col. Thomas W. Cooke, Commander, Army Missile Support Command; Col. Erwin M. Graham, Commandant, Army Missile and Munitions Center and School; Ruffin Blaylock of IBM, President of the Association.

AFCEA

(Continued From Page 1)

mote advancement and be knowledgeable in these fields through close association of representatives of government and industries.

He also asked the members to make every effort to support the membership drive for the coming year.

ton, D. C. 20310.

Applications should be made by letter through channels to the Chief of Information, ATTN: CINFO-PPD.

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Bob Clem Studies Progress: Past And Present

The Army Missile Command's Bob Clem is a young man with eyes on the future in the missile business, his profession, and searching eyes on the past in his avocation, archaeology.

Bob is an alert, well-informed and keenly interested chemist in the Engineering and Quality Assurance Division of the Missile Command Procurement and Production Directorate.

When he puts on a white coat and goes into the laboratory to make chemical analyses he is looking at the materials that are used to build missiles and related equipment.

He may be examining a small piece of rubber to determine all its properties and find out how well it will work as part of any Army missile system. Sometimes he knows just where the material will be used, sometimes it is a product under consideration for the future.

His Division has the basic mission of supporting the Army's procurement function at Redstone. Engineering support of Missile Systems Project Managers is another part of their program.

For example, a Project Manager once sent in a missile component that seemed to be corroded. It was fuzzy with a white deposit which he scraped off and analyzed. It was nothing but salt. To the naked eye of the inexperienced, it could easily look like corrosion. The condition was traced to a manufacturing process that could be corrected.

"Our work is a constant challenge," he said, "because we get involved in all kinds of problems regarding missile system hardware—mechanical, electrical, electronic, environmental and production." During the six years he has been working for the Army, his first job out of college at Florence State, he says he has been exposed to every one of these.

His minor college subject, physics, is complementary to his chemistry in most laboratory experiments.

Recently he went to Philadelphia for a course in gas chromatography as his laboratory hopes to couple that capability with infrared spectroscopy for more complete characterization of materials.

When he puts on a sports coat, he's an amateur archaeologist.

He said there was a Soldier in the laboratory about two and half years ago who urged him to attend meetings of the Huntsville Chapter of the Alabama Archaeological Society. That started it. Now Bob is president of the 54-member Chapter.

Where others might make a subject sound mundane, Bob makes it exciting. His insatiable curiosity leads him into all aspects in depth, and his descriptions sparkle like fire from a diamond.

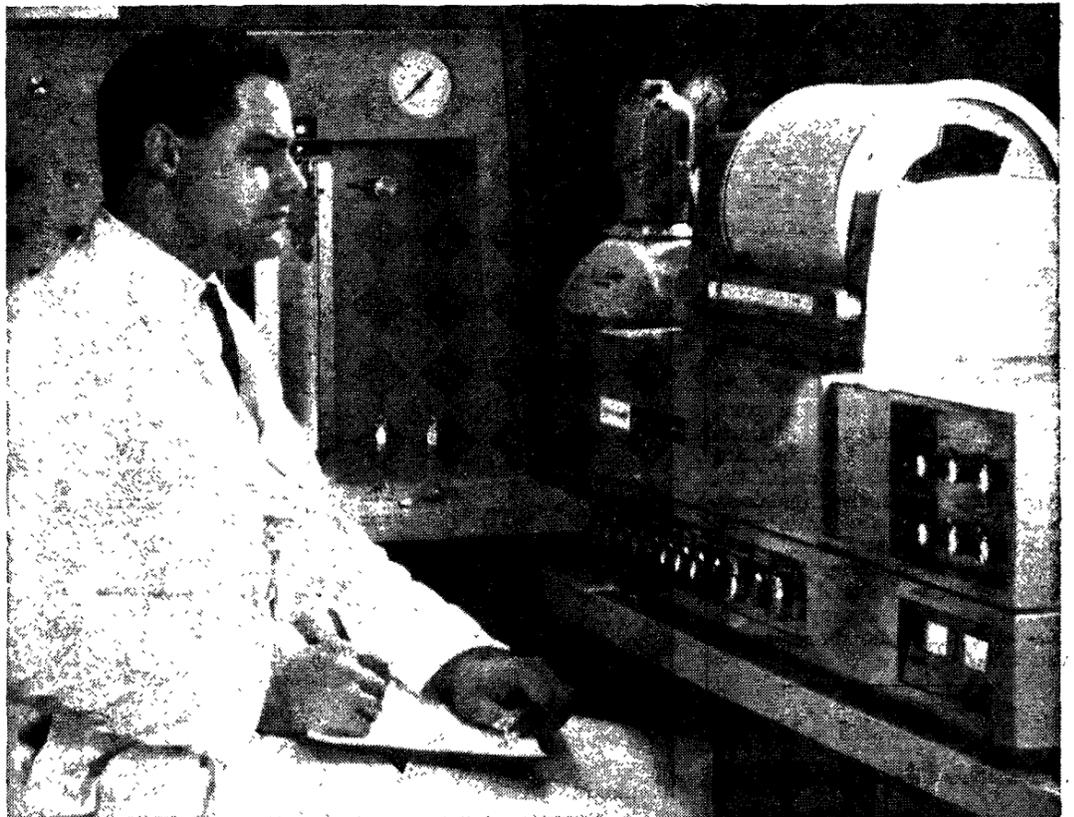
"This is a fortunate area for archaeologists," Bob said. "It has become quite evident that practically every major culture that ever existed in North America at some time diffused through the Tennessee Valley."

He explained that four distinct and successive culture periods have been identified in this area, the first being dated prior to 9000 B. C.

Bob has extensive collections of artifacts from this area and he has carefully classified them by cultural association. "There's no point in collecting if one isn't going to classify the material," he said.

The rewards of his avocation are the satisfactions he gets from following through on the necessary research, writing about his

(Continued on Page 5)



NO FLAWS ALLOWED—Bob Clem, a young Army Missile Command chemist, uses the spectrophotometer to analyze some plastic film in the laboratory of the Engineering and Quality Assurance Division, Procurement and Production Directorate at Redstone. He is looking at material for use in missile systems to determine all its properties and find out how well it will work. Chemical analysis is an important key to suitability of such materials.

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A TURN TO THE PAST—Bob Clem, an Army Missile Command chemist who is an ardent amateur archaeologist in his spare time, makes a careful study of artifacts found in the Tennessee Valley to classify them as to the cultural period they represent. Examples of four distinct cultural periods have been found in the Huntsville area and identified, the first dated prior to 9000 B.C.

OPENINGS ANNOUNCED

The U. S. Civil Service Board of Examiners has issued three announcements of openings at Redstone Arsenal:

Announcement AT-35-4(66) is for messengers at grades GS-1 and

GS-2, \$3507 and \$3814 a year respectively.

Announcement AT-35-5(66) is for telephone operators at GS-3, \$4149 a year.

Announcement AT-35-6(66) calls for water treatment plant operators at W-11, \$3.12 an hour.

BOB CLEM

(Continued From Page 4)

finds, and meeting people who share his interests. It's an interest that reaches world-wide because there are people everywhere who are concerned with the nature of the earth's first human inhabitants.

The growth of Huntsville has covered some of the best sites in the Tennessee Valley. "A lot of people here are living in houses

built over some of the richest archaeological sites," Bob lamented. "These were camping grounds of the earliest men."

Bob's energy extends even further—he has recently joined the local Jaycees and looks forward to being an active member.

It's a pretty good bet that he will plunge in with persistence and enthusiasm whenever he establishes any new interests.

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200	36.92	20.09	14.54	11.81
300	55.09	29.87	21.54	17.42

Cash You Get	MONTHLY PAYMENT PLANS		
	12 Payments	24 Payments	30 Payments
\$500	\$46.81	\$24.73	
700	64.92	34.30	
1000	82.30	48.76	\$40.05
1500	137.80	72.80	59.80
2000	181.96	96.13	78.96

Above payments include principal and interest. Life insurance is available at group rates on loans above \$100.

Payments above include principal and loan charges if repaid according to schedule, but do not include life and disability insurance, available at group rates.



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SPORTS

Brick & Tile Threatens Management Loop Runaway

PARADE OF STARS

Supply Management League: Tom Lindsay, 605 (216-201-188), Sid Bright, 570, Tom Patterson, 555 (210) Hal Miller, 554 (213), Bob Hollman, 550, Billy Tippins, 543 (215), Russ Bergman, 531.

AMC League: Ken Bell, 589 (217), Tom Patterson, 573 (204-205), George Butz, 555 (212), Tom Smith, 532, Ernie Danes, 526, Jim Kyzer, 526.

Redstone League: Jim Gulley, 595, Dick Cizek, 569, Walt Jackson, 563 (211), Billy Perkins, 558 (219), Jim Haight, 556, Jack Ward, 554, Andy Zaubier, 546.

Field Services League: Buck Roberson, 591 (231-204), Ed Marrah, 560, Ed Leahy, 558, Troy Faulkner, 547, Paul Barney, 543, Gene Martin, 541 (238).

While the race for the championship in three of the four civilian bowling leagues remains relatively close about two-thirds of the way through the season, the Huntsville Brick and Tile team threatens to make a runaway in the Supply Management League.

The HUBCO quintet sets atop the 16-team league with a nine and a half point bulge over the All-Sports Trophies and giving no indication that they intend to slow down their pace.

The longest lead enjoyed by the other leaders is the three points that separates Dean's Trailer Court and the Six Shooters in the Redstone League.

A lot of the credit for the long Brick and Tile lead belongs to Tom Lindsay, who has hit the Honor Roll seven times this year. The Fayetteville Mauler is the only civilian kegler who has passed the 600 mark more than twice.

His seventh Honor Roll count was posted last week when the Brick and Tile team scored another sweep with the Two Bits five as their victims this time. Lindsay had games of 216 and 201 and a series total of 605.

The second place All-Sports team also scored a sweep while the Debuggers were taking three out of four. The Sportsmen have a lead of one point in the duel for runner-up honors.

Dean's Trailer Court added a point to their lead over the Six-Shooters with a sweep over the Valley Cleaners while the Shooters were being held to a 3 to 1 win.

Chuck Lavoy and Ed Demirjian led Dean's attack with Walt Jackson and Jack Ward setting the pace for the Six-Shooters.

Jim Gulley grabbed the Redstone individual honors with a 595 for Standard Oil with Dick Cizek firing a 569 for Giles Garden Center. Gulley's big effort boosted him into the No. 2 spot among individual averages with 176. Joe Calamusa, the league leader with 181, has been inactive for three weeks.

In the AMC League the Maulers took a 3 to 1 loss from the Ramblers but still lead the Bombers by two and a half. The Bombers were held to a split by the Cavaliers despite a 1034 game.

Ken Bell grabbed individual honors for the second straight week with a 589 for the Stars and Tom-Patterson tossed a 573 for the Ramblers.

The individual average race is just reversed with Patterson leading with 181, four pins ahead of Bell.

The Guided Muscles stand two and a half points ahead of the Crackers in the Field Services League with the Chiefs four points off the pace. Second place switch-

ed hands last week when the Crackers took a 3 to 1 win from the Chiefs.

Buck Roberson took individual honors for the league with a 591 for the Wheels, with Ed Marrah next in line with a 560.

Murrah together with Troy Faulkner and Paul Barney gave the Crackers all the lead they needed in their win over the Chiefs.

Wheezers Retain Lead Despite Loss

A last ditch rally paid off for the Wheezers last week as the A-B-C Officers bowling league front runners staved off a serious Lucky Strike threat to their lead.

After dropping the first two games and trailing half way through the third, the Wheezers finally caught fire and pulled out one point and preserved their lead. The Lucky Strikes now trail by a single point with the S Wonders another point off the pace.

Tom Wilkerson strung together a four bagger late in the third game to set the pace for the late Wheeler rally and he ended the evening with a 579. Rex Javins shot a 568 to lead the Strikers, Don Drissell had a 512 and Don

Seip Closes Fast To Hit Honor Roll

A series-ending six bagger gave Walt Seip a 235 game and a 601 Honor Roll total in grabbing individual scoring honors in the MMCS Officers bowling league last week.

Bowling for F Troop, Seip started his set out with a 189 and then dropped to 177 before closing out with his string of strikes. The outburst came just in time for his mates had dropped the first two games to the league leading Rocket Rollers.

The string gave F Troop the final game by enough to take total pins and an even split for the evening.

In other matches the Black Jacks picked up a game on the Rollers with a 3 to 1 win over the Missilemen, the Bad Gnus took their match from the Squirrel Hill Mob by the same margin, and the Satellites won three out of four from the Rounders.

The Satellites took team honors with a 2669 total pin count as Milt Fogel hit a 534 and Bob Percy added 514 more sticks to the cause.



CARRY REDSTONE COLORS—A Ft. Rucker photographer got into position behind the backboard to snap this picture of the Redstone Rockets as they prepared to take the floor in the recent Third Army basketball tournament at the south Alabama installation. Starting at the left and following clockwise around the hoop are: Larry Bunge, 291st Military Police Co.; Bob Murphy, Officers; Willie Leslie, Support Command; Irv Lyles, Support Command; Coach Bill Heizer, C Company, STC; Chuck Wimsatt, Medical Detachment; Charley Morze, Military Police; Kim Carstensen, Third ETC; and Vern Bonlander, C Company.

Vanderheyden collected 505 sticks.

Erich Mauerhoff took individual honors for the week when he fired a 582 in leading the S Wonders to a sweep over the Black Jacks. John Moore felled 546 maples for the Jacks.

Saturn V had to be content with a split with the Pin Splitters despite a 565 by Trev Dumitru, and the Hopefuls split another set with the Stump Knockers. Otto Thamasett hit a 527 for the Hopefuls and Jerry Keefe did him one better for the Stump Knecker cause.

The first Purple Heart awarded a Marine in Vietnam went to Lance Corporal James Mansfield, of Oxford, Neb., a helicopter crew chief.

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Unit Level Cage Meet Opens Tonight At Gym

The untimely release of several key players has thrown the post season Unit Level basketball league tournament into a wide open crap as the top eight squads prepare to go at it in the annual double elimination affair this evening.

Four games are on tap to open the tourney tonight with another four scheduled for each Thursday and Friday. The final game is set for next Wednesday.

Company will open play with the Military Police in a 6 o'clock thriller. The second game brings the Support Command and the Officers together and the Medics will test Fourth ETC at 8. The curtain drops with a clash between Headquarters, STC, and the Missile Command.

By all odds the Officers rate as top heavy favorites to cop the title after ending the regular season in a tie with the Military Police. The latter five has already lost, Mike Stuart, the league's corer and is likely to lose two more starters before the end of the meet.

Another team that would normally be figured to have a lot to say about the winner is the Medics. However, they like the Police have been hard hit on the discharge route with the loss of H. C. Dunham, their top scorer.

To make matters all the more perplexing is a regulation that bars the Officers from championship recognition. Rules prohibit a team with less than 50 per cent enlisted personnel from official championship recognition.

The Officers and the Police ended the regular season deadlocked or first place when each chalked up victories last week. The former had an easy time to defeating Officers No. 2, 51-23, while the Police had to struggle all the way before edging past the Support Command, 77-74.

Stuart made his final appearance in the latter game and tossed in 28 points to lead the at-

tack. Jerry Gonsiorek chipped in with 18 and Bob Lechowicz hit for 14. Floyd Johnson took game honors with 33 for the Support Command while Willy Leslie and Bob Seay each hit for 16.

The Support Command was down 48-30 at the half but put on a deadly exhibition of accuracy during the last half and finally knotted the count at 70-70 with two and a half minutes to go.

During the last few minutes three floor errors gave the Police the advantage they needed and Stuart hit two jump shots and Gonsiorek added three free throws to seal the win.

In another exciting encounter, Fourth ETC grabbed a spot in the tournament with a 48-42 win over First ETC. The Fourth played a slow down type offense, taking only the easy shots.

Mark Thomas led the scoring with 13 points and Bob Dabbin added 10 more for the Fourth while Bill Baird tossed in 16 for the losers.

Births At Post Hospital

Victoria Marion Olsen, Jan. 27, daughter of Maj. and Mrs. Edmund J. Olsen Jr., Redstone Arsenal.

James Michael Derendinger, Jan. 31, son of PFC and Mrs. James H. Derendinger, Huntsville.

Oliver Charles Burghardt, Feb. 4, son of German Air Force MSgt and Mrs. Adolf H. J. Burghardt, Huntsville.

Monica Denise Sales, Jan. 29, daughter of A2C and Mrs. Eazil Sales, Madison.

Catherine Regina Clay, Jan. 26, daughter of Sp5 and Mrs. Robert W. Clay, Huntsville.

Susan Karan Steinbach, Jan. 28, daughter of Lt. Col. and Mrs. William J. Steinbach, Redstone Arsenal.

Flora Irene Partin, Jan. 28, daughter of PFC and Mrs. Alvin I. Partin, Huntsville.

Andrea Lang, Feb. 3, daughter of German Air Force Cpl. and Mrs. Manfred Lang, Huntsville.

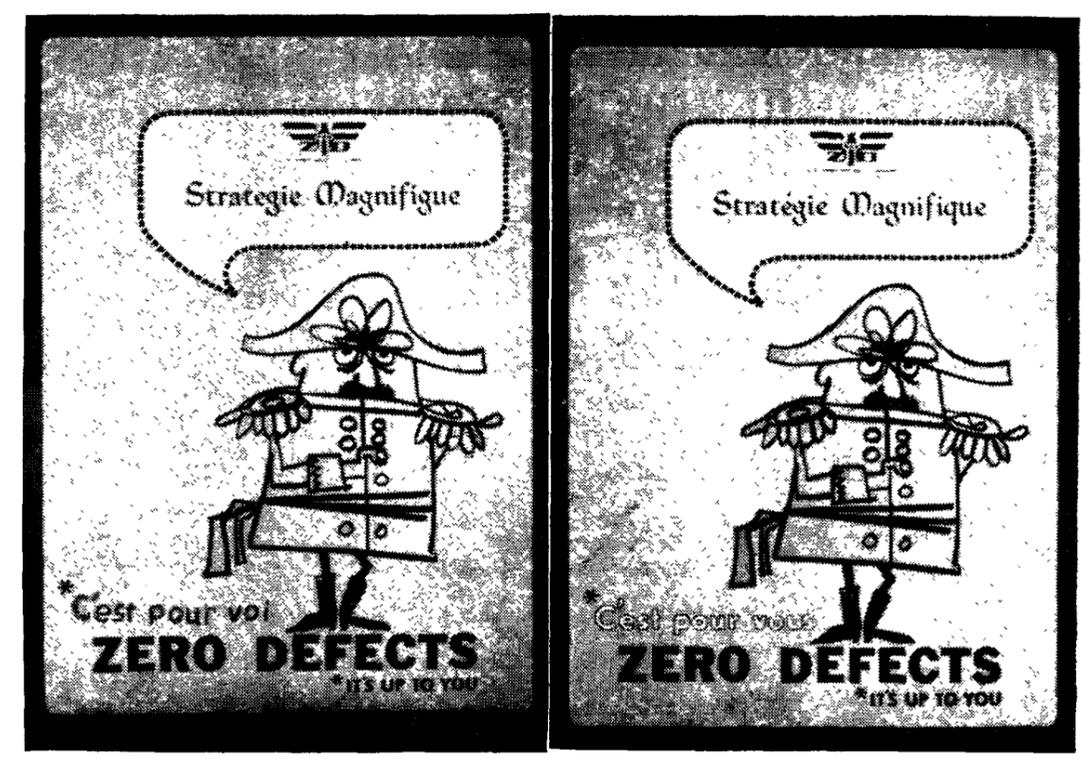
Morten Frank, Jan. 31, son of German Air Force MSgt and Mrs. Holger A. C. Frank, Huntsville.

Donald Wayne Dumitru, Jan. 29, son of Maj. and Mrs. Trevor I. Dumitru, Redstone Arsenal.

Heike Cornelia Keifer, Feb. 2, daughter of German Air Force SFC and Mrs. Klaus Keifer, Huntsville.

Sandra Lois Dahlman, Feb. 4, daughter of SFC and Mrs. Irel K. Dahlman, Redstone Arsenal.

Jeffrey Allen Pickard, Feb. 8,



CHECK YOUR ZD RATING—In last week's ROCKET, readers were told about the new Zero Defects posters recently put up around the Arsenal. With the idea in mind that a successful ZD program requires attention to details, readers were asked to call the Quality and Reliability Management Office if they noticed something unusual in the signs. From the number of calls, many employees with knowledge of the French language are observant. For the rest, here is the poster in the form you see it on the bulletin boards and then as it would be in proper French.

Command Employee Completes Course

An Army Missile Command employee has completed with honors a correspondence course from the

Industrial College of the Armed Forces.

He is Freeman G. Lee, an electronics engineer in the Land Combat Commodity Office.

Lee completed the course recently in "National Security Management" and was notified that he finished among the top ten-percent of the graduates. The course covers the interrelationship of the nation's economy and national security.

Lee was presented a certificate by Col. Edwin I. Donley, Deputy Commander for Land Combat Systems at the Missile Command.

son of SSgt and Mrs. William R. Pickard, Redstone Arsenal.

Alexander Charles Rawleigh, Feb. 8, son of MSgt Ret and Mrs. Charles H. Rawleigh, Huntsville.

Michael James Mooney, Feb. 8, son of Maj. and Mrs. James P. Mooney, Redstone Arsenal, Ala.

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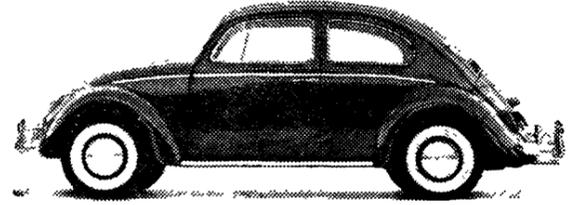
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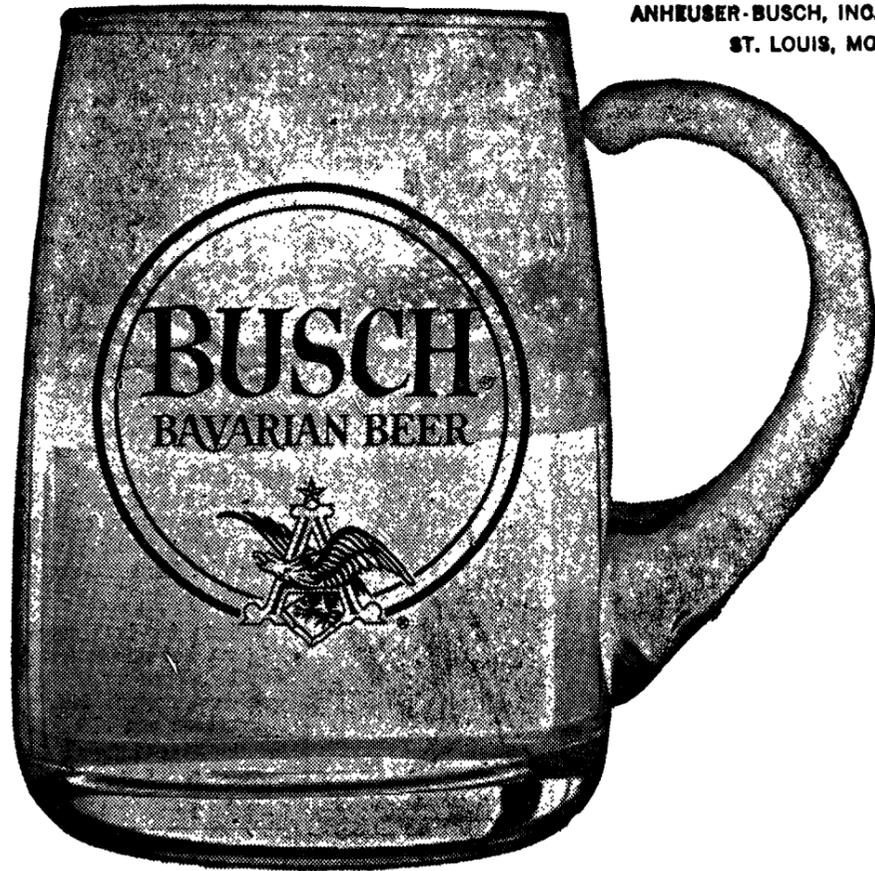
In fact, when it comes to money, a VW will save you a lot of counting after you buy it, too.

- On gas bills. (It gets about 29 mpg.)
- On tires. (They average 40,000 miles.)
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SOCIAL ^{and} CLUB EVENTS

Wives Club Plays Bridge, Canasta, Serves Brunch

The associate members of the Redstone Arsenal Officers Wives Club were hostesses at the February bridge-brunch-canasta last week at the Officers Open Mess.

Approximately 30 tables were in play following brunch in the Ballroom. Tallies, cranberry punch, paper hearts floating from the ceiling, and hostesses in valentine shades gave a colorful note to the assembly. Azaleas on the serving table reflected the basic color theme.

Mrs. Harry Murray was chairman for the event assisted by Mrs. Howard O'Meara, Mrs. Arthur McDermott, Mrs. Raymond Burkett, Mrs. Oliver M. Hirsch, Mrs. Robert Hoffman, Mrs. Fred Kirsten and Mrs. Davis Foxworthy.

Winner at the canasta table was Mrs. R. U. Garner. Mrs. Hobert B. Smith was bridge winner with Mrs. Gordon W. Fearson in second place, Mrs. W. A. Shunk third, Mrs. F. W. Dill fourth, Mrs. D. R. Davis fifth and Mrs. B. A. Saholsky in sixth place. Mrs. Fred O'Brien received the consolation prize.

Support Command Wives Elect New Slate Of Officers

Mrs. Anders O. Wiklund was elected president of the Officers Wives Group from the Army Missile Support Command at the February meeting.

Mrs. Wiklund succeeds Mrs. Samuel Tillery as president. Other New officers are Mrs. H. H. Duffey, vice president; Mrs. Jefferson D. Kirby III, secretary, Mrs. Ralph Lawson, treasurer and Mrs. F. M. Creighton, publicity.

Outgoing officers are Mrs. John P. Kirkland, treasurer; Mrs. Robert T. Hall, secretary and Mrs. George E. Meadors, publicity. Mrs. William Register was not replaced as vice president after the Colonel's retirement.

The program was a surprise when the hatmaking class put on a demonstration of how to go about making a hat. Those whose chapeaux were almost complete modeled their creations; the others demonstrated the steps to take to complete their hats.

Management Club To Meet Monday

Thiokol Management Club, Inc. will meet Monday, at 6:30 p.m. at Willowbrook Country Club.

The main speaker will be W. S. Daniel, Chief Cost Accountant at Thiokol Chemical Corporation - Huntsville Division. His topic will be "Look at Your Income Tax." In addition to being a holder of two accounting certificates, Daniel is a lay speaker for West Huntsville's Methodist Church.

Business will include submission of the 1966 budget for approval. A short film "The Missile Navy" which was produced by Thiokol and narrated by Chet Huntley will be shown.

COMMAND WIVES COFFEE

The Army Missile Command Officers Wives will have a Coffee at 10 a.m. Feb. 23 in the Redstone Room of the Officers Open Mess. Reservations deadline is noon Friday. Mrs. B. B. Small, Jr., 877-5472 or Mrs. R. J. Lemanski 877-4046 will accept these. Mrs. J. H. Boyes will accept cancellations until noon Monday.



OLD AND NEW—Tina Hocker, Girl Scout in Troop 134, chats with the outgoing and incoming neighborhood chairmen for the Girl Scouts at Redstone Arsenal during a Valentine tea which the girls served their mothers and special guests. At left is Mrs. Maelyn Abbott, outgoing chairman, and at right is Mrs. John McComb who has taken over the duties. Mrs. McComb was also the recipient of the door prize which served as the centerpiece on the tea table.

Girl Scouts Serve Tea To Mothers, Chairmen

Girl Scout Troop 134 gave a Valentine tea for mothers at the Girl Scout House and honored the outgoing and incoming Neighborhood chairman for the Girl Scouts on post.

Mrs. John McComb is taking over the duties of chairman from

"ALL THE KING'S MEN" BEGINS TOMORROW

"All the King's Men" will be presented by the Huntsville Little Theater Thursday, Friday and Saturday of this week and Monday through Saturday next week at the Civic Arts Center at 8:15 p.m. each night.

Robert Penn Warren based his play on his book of the same name. Based on the life of Governor Huey Long, the story centers around Gov. Willie Stark played by Bill Fairchild. Leah Munsen is the director.

Tickets for both weekends are sold out but tickets for good seats may be picked up at the boxoffice weekdays. Anyone desiring further information can obtain it by calling the Arts Council 539-2592. The Center is at 311 West Clinton Street.

The troop prepared the refreshments themselves, including baking cookies at home beforehand.

Mrs. McComb won the door prize which was a valentine poodle losing his heart to a valentine kitten which the girls used as the centerpiece for the serving table. Only the guests were eligible to win.

Early blooming DRESSES

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PRACTICE BRUSHING—Alice Duffey, 6, is practicing the proper toothbrush strokes on an oversized tooth held by Capt. Joe D. Beasley at the Redstone Arsenal Dental Clinic where the Captain is a dentist. Alice's father is another dentist, Capt. Horace Duffey, also a member of the Post Dental Surgeon's staff. The point they are really making is that this is National Children's Dental Health Week. The dental staff members have joined with dentists in Huntsville to promote understanding of dental health among area school children.



BURG GETS AWARD—Col. A. O. Wiklund, Assistant for Operations and Security, presents a certificate and a \$115 cash award to Mrs. Evelyn Burg. The presentation was made last week at the Registration and Identification Services Branch of the Provost Marshal Division. Mrs. Burg got the award for suggesting a method of reducing costs of taking pictures for badges and ID cards.

Mrs. Burg Finds Solution

REDSTONE ARSENAL, Ala.— Sometimes the most obvious solution to a problem is the hardest to see.

Take the case of Mrs. Evelyn Burg who works in the Registration and Identification Services Branch of the Provost Marshal Division. Everyone knows it as the "badging office."

For years the office had tried to develop a method for reducing costs of taking pictures for badges and ID cards. Since the finished picture was cut down less than half the size of the frame of film, ways were studied for printing two pictures on one frame.

Many suggestions were offered, most of them recommending an attachment for the camera which would expose only half a frame of film. Several tests were made,

unsuccessfully, and the idea was forgotten.

Then Mrs. Burg made the logical suggestion:

"Why not pose two people in the same picture?"

So one day "I tried it that way and it worked out just fine," she said. The problem had been solved.

Not only did Burg's suggestion cut in half the cost of film being used but it reduced substantially time spent in reloading and developing processes.

Mrs. Burg, who has been working at the Army Missile Command for a year and a half, got \$115 for the suggestion. And her idea has been forwarded to the Army Missile Command for possible application throughout the Department of Defense.

Dental Health Week Helped Along By Redstone Arsenal Dental Staff

Col. James Thompson and his staff are celebrating National Children's Dental Health Week by joining with the Dental Association in Huntsville and Madison County in a series of lectures in the City and County schools to educate and promote dental health among the children. The Colonel is the Dental Surgeon at Redstone Arsenal.

The dentists at the Arsenal, all members of the Post Dental Surgeon Division of the U.S. Army Missile Support Command, delivered 41 lectures during the month of January to more than 3300 school children.

They anticipate reaching even greater numbers during the month of February. This week has been proclaimed Children's Dental Health Week by the U. S. President.

Among the promotion of dental health features, the local television stations are showing updated versions of TV skits made at the Arsenal by Col. Thompson, the Girl Scouts, members of the Mis-

sile School TV branch, and adult volunteers.

In Dunnivant's Mall a booth has been set up to provide information and education of proper dental care, manned by wives of

Even the Support Command's Safety Division cooperated. The dental health theme was included on the posters which Safety changes each month.

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**At The
Service Club**

By Betty Hayes

Don't forget to come to the Service Club tonight at 7:30 p.m. for travel adventures. A seat will be reserved for you in the TV room.

Card games and small games are on the agenda for this week. On Thursday evening cardboard kapers will be played at 8 p.m., and card games are planned for Sunday night at 8 p.m. Small games are scheduled for Saturday night at 8 p.m. Refreshments will be served to those who participate in the games.

The contest for this week is shuffleboard, which will begin on Friday.

Variety is the word for the George Washington's Frolics, Monday night, at 8 p.m. A sneak preview shows popular entertainers from Redstone Arsenal and Huntsville that include Lloyd Tygett, Buddy Curry, Gilbert Salzman, Bob Henderson, Jim Oaks, Karen Gibbs, Tom Cleveland, the Shandells Combo, and the Travelers. For a delightful evening's entertainment don't miss George Washington's Frolics.

A grab bag of games will be held on Tuesday night at 8 p.m.

Kim Sam Yong, 3rd ETC was the table tennis champion for February while Nat Lewis, 2nd ETC, was the second place winner.

Congratulations to Marvin Cibula, 5th ETC, who had the lucky



EXAMINE BLOOD CONCENTRATE—Coordinators and Volunteers were guests of the Red Cross at lunch last week in the Redstone Room of the Redstone Officers Open Mess. After lunch a film and lecture on the methods and uses for blood donations was delivered by a staff member. Examining a bottle of concentrate such as that used by the Armed Forces on the field of battle are: (standing left to right) Harold C. Bee, chairman of the Madison County Chapter of the Red Cross, Leo C. Kirk, field director at the Arsenal, and Maj. Elvin J. Kidd, coordinator for the Arsenal Blood Program. Seated are Mrs. Donald E. Burnett, chairman of Arsenal Bloodmobile Volunteers and her assistant, Mrs. S. W. Josephson.

**Civic Opera Group Will
Sponsor Variety Show**

The Civic Opera Society will sponsor a benefit variety show at the Huntsville Colliseum Feb. 20— with a choice of two performances, the first at 2 and the second at 5 p.m.

Among the attractions are Vince Giarrettano as master of ceremonies; the Steve Russell Orchestra;

service number for February. Parade of American Music, presented by the 55th Army Band, will be held next week at the Service Club. Additional information will be given in next week's column.

See you at the Service Club

the singing Ball sisters from Arkansas; Ray Weems, basso; Don Pentz, tenor; a nine-member folk singing group and the Johnny Reb dancers.

Also on the bill is the Richard Hahn trio and the Four Cavaliers

Combo. An accordion duo is composed of Mark Crowell and Bill Schrenk.

Tickets will be sold at the door. Proceeds will go into the fund to bring the Metropolitan Opera Company of New York to Huntsville.

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THURSDAY, FEB. 17, 1966 AT 10:02³/₄ A.M.
20 Tractors — A Complete Line of Farm Equipment —
3 Cotton Pickers

Belonging to E. H. & W. J. Dewberry. Located on the premises of the Dewberry Farm on Lock A road, four and three tenths miles northeast of Wheeler, Ala. 20 miles West of Decatur, Ala. 7 miles Northeast of Courtland, Ala. Follow Auction arrows to Sale from Wheeler, Ala. This is one of the finest group of Farm Equipment ever offered under the Auction hammer, farmers, speculators, and Equipment Dealers, can find any farm equipment they need for 1966 in this equipment sale.

HERE IS A PARTIAL LIST OF EQUIPMENT OFFERED IN THIS SALE

- | | |
|---|---|
| <p>TRACTORS</p> <ul style="list-style-type: none"> 3—B Farmall Tractors 1—B John Deere Tractor 1—900 Ford L.P. Tractor 1—35 Ferguson-Delux-Diesel 1962 Tractor 1—1953 Ford Jubelee Tractor 1—Fordson Super Jamor-Diesel Tractor 1—Fordson Dexta Tractor-Diesel 1—33 Massey Harris Tractor 1—Ford 800-Diesel 1962 Tractor 1—A Farmall Tractor 1—G John Deere-LP Tractor 1—MT John Deere Tractor 1—F.20 Farmall Tractor with Steel Wheels. 1—CA Allis Chalmer Tractor 1—B John Deere Tractor 3—John Deere Tractors | <p>FARM EQUIPMENT</p> <ul style="list-style-type: none"> 1—John Deere Grain Drill 1—Calhune Fertilizer Spreader 1—Ford 611 Self Propelled 12-ft. combine with Corn Header 2 Row 1—1963 F100 Ford Pick-up 1—1954 International Pick-Up 1—John Blue Duster 1—International Mower 2—2 Row John Deere Cultivators 1—Plow for B Farmall 3—2 Disc Turning Plows—for A Farmall 2—Athens Plows—M. T. John Deere 1—Tayl Way Plow for Ford Tractor 6—Pickup Harrows for Ford Tractors 2—Rotary Hoes-Deerborn 2—Four Bottom Ford Plows with Trip Beams 2—210 Ford Planters-Like new 1—250 Ford Hay Baler-Good Condition 1—350 Ford Hay Baler-Good Condition 1—New Pick Up Burch Harrow Sealed Bearings 1—New Ford Harrow 1—New Ford 2 Bottom Plow 14 in. 1—1 Row Burch Cultivator 1—New Ford 2 Bottom plow 12 in. 1—1 Rear mounted Ford Cultivator 1—6 ft. Mwoer 1—Beerham Hay Baler 1—1963 600 Ford Truck with Metal Bed & Racks-Implement type bed 1—Massey Harris Clipper Combine 1—John Deere 25 Combine 1—John Deere Silage Cutter 1—Allis Chalmers No. 60 Combine with motor 1—4 Row John Deere Planter 1—New Burch Off Set Harrow 8 ft. Sealed Bearing 2—Side Delivery Rakes 2—John Deere Plows-Disc 1—11 ft. International Pull Type Harrows 1—2 Bottom Ford Plow 7—Odd Harrows 1—3 Disc International Plow 1—Moline 4 Disc Plow 1—Cultipacker 1—2 Row Ford Corn Picker 1—1 Row Ford Corn Picker 1—Field Cultivator 1—Ford Tractor Mower |
|---|---|

All of these tractors will run and in good condition, with good rubber.

COTTON PICKERS

- 1—International 420 2 Row High Drum Cotton Picker
- 1—AC 616 Low Drum Cotton Picker L.P.
- 1—AC 622 High Drum Cotton Picker-Diesel

Since this is an open sale, there will be other farm equipment offered the day of sale, which will not be shown on this circular. Be sure and attend this complete line of Farm Equipment Sale. You will find all this Equipment in good condition, most of which has been under shed.

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INSPECT FIREBEE PRODUCTION—Army officials inspect the Firebee target missile production line during a two-day review of Army Firebee programs held recently at the Ryan Aeronautical Company, San Diego, Calif. Left to right are: H. Richard Mottram, Air Defense Commodity Office, and Lenward L. Smith, Procurement and Production Directorate, Army Missile Command; John E. Hunt, Army Munitions Command; Jere Ducote, Chief, Target Missile Branch, Research and Development Directorate, and Earle L. Smaltz, Procurement and Production Directorate, Missile Command.

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Dr. KENNETH J. BUTTON

Dr. Button Sets Talk To IEEE

Dr. Kenneth J. Button will be the guest speaker at a special meeting of the Institute of Electrical and Electronic Engineers at the University of Alabama Research Institute at 7 p. m. Feb. 18.

The special meeting was announced by Dr. Eugene Denman of Vanderbilt University, chairman of the Professional Technical Group On Microwave Theory and Techniques and Antennas and Propagation. Dr. Button is a member of the staff at the Massachusetts Institute of Technology's National Magnet Laboratory. He will talk about "New and Improved Magnetic Materials and High Frequency Devices."

Dr. Button has published over 25 papers on theoretical and experimental topics involving interaction of electromagnetic waves with magnetic semiconducting and conducting materials. He is co-author of the book "Microwave Ferrites and Ferrimagnetics."

Dr. Button is currently engaged in solid state physics research at sub-millimeter wavelengths in ultra-high intensity magnetic fields.

Coordinator for the meeting at the Army Missile Command is Lloyd W. Root, 877-2535. He said the public is invited to attend.

Contamination Control Members To Visit R&D Clean Room At Arsenal

The Huntsville Chapter of the American Association for Contamination Control will meet Wednesday, Feb. 16, at the Redstone Officers Open Mess. The meeting starts at 6:00 p.m. with a social half-hour and dinner.

The highlight of the evening will be a tour of the Clean Room Complex of the Army Inertial Guidance and Control Laboratory in Building 5400. Melvin Crisco, who is responsible for the facility, will conduct the tour. The complex contains rooms classified to class 10,000 and is now 90% complete. The tour starts at 7:30 p.m. sharp.

All members are urged to attend, and bring a guest, as this will be the only opportunity to enter the complex. For additional information, call Garland McGary at 876-7357.

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Sign Painters Find Satisfaction In Creations

A sign painter's problems vary with the people behind the sign.

Earnest H. Winkles, foreman of the Sign Painting Shop operated by the Post Engineer at the U.S. Army Missile Support Command, has been at the business since he was seventeen. Even during the seven years he was on active Army duty, his outfits always tagged him to do the painting when they needed anything from a doorplate to a directional sign.

Winkles studied art with an eye on the illustration field, but changed his mind when he found that the variety of materials would be more limited and less of a challenge to him. He liked fabricating signs with glass and wood and metal as well as using a brush or spray to convey whatever message he wanted to put across.

Like all services, requests from the customers sometimes don't fit the space or the need so the sign painter must "sell" his requestor modifications such as lettering size comparable to the item being painted. Winkles ruefully remembers a few individuals who were hard to convince.

Among the steadiest customers are Safety, firemen, traffic and construction areas of the Arsenal. One of the biggest users for special signs is the Display Unit, especially around Armed Forces Day when the paint shop puts new coats on missile letters—the base coat for the big missiles is the business of the Transportation Division's automotive paint shop.

Winkles has a staff of six—two spray painters who silk screen such items as traffic signs produced in quantity; two sign hangers, another sign painter and a helper.

John M. Tanner, Jr. and J. D. Christopher are out in all kinds of weather, inspecting or hanging signs. The type which Safety uses on its 16 boards and the fire prevention signs are hung at the same time so that the men will have the need of only one batch of paste.

Shelby Lanier and Howard McNelley are in the back shop where spray painting and silk screening are prepared.

Technological advances have increased the reliability of paint, the durability of base materials, and added a safety factor of glowing when light hits it at night.

Murray Whisenant, a Florida native, is the second free-hand sign painter who helps create originals,

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CONFERS WITH ORIGINATOR—Earnest H. Winkles (left) discusses a safety sign with a member of the Army Missile Support Command's safety staff. Sometimes Winkles supplies the ideas and slogans; sometimes they come from safety or other sources.

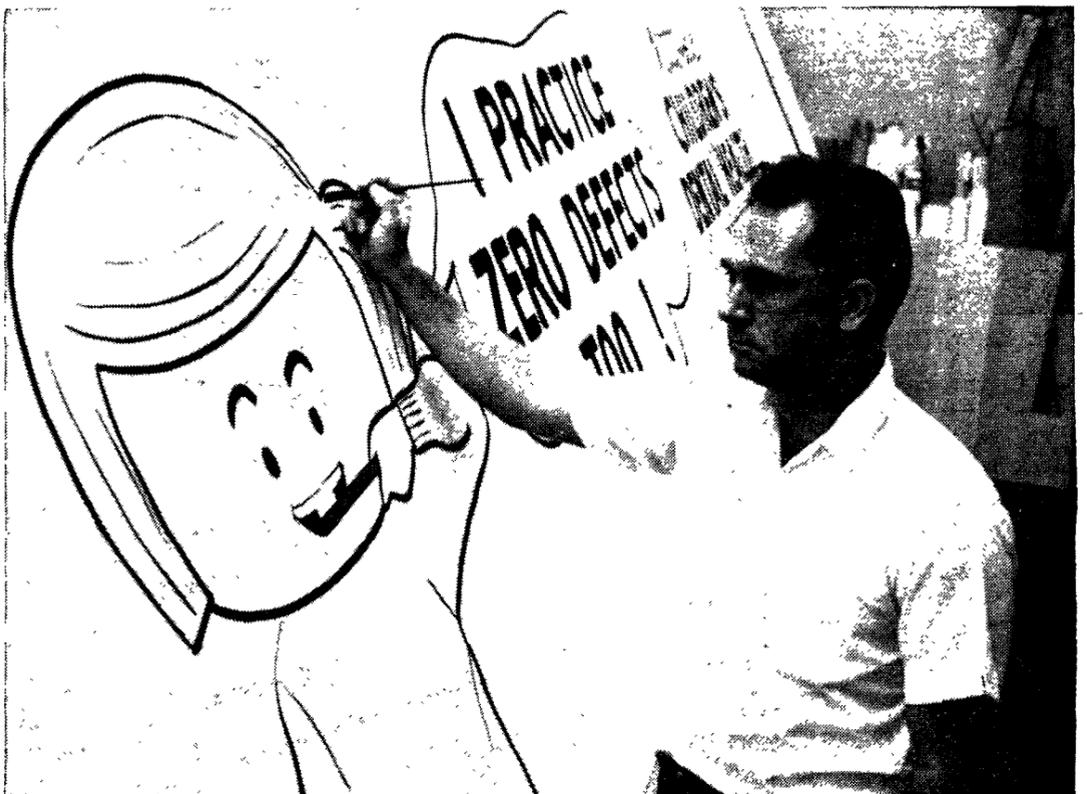
The sign is an old one, but the theme is a basic one that appears over and over in the continuing campaign to cut down on all sorts of accidents. Often emphasis is strongest on traffic.

often based on caricature figures bigger than life.

The two men not only put their heads together to "cook up" ideas about the areas in which they are asked to paint signs, they also share a love of fishing Florida lakes for larger than believable large mouth bass and other game fish—including the salt water varieties. Even though the fish tales are bigger than life, they have photographic proof to back up their stories.

The third sign painter helper is Richard Hunter who started as a janitor and advanced into sign painting when he showed a flair for it. He is still studying.

Some types of signs, such as the traffic "yield" and "stop" signs are cranked out in batches of hundreds. Others, such as the Safety signs, are usually one of a kind and produced by individual's—sometimes supplying their own slogans and ideas. Whisenant himself especially likes this variety. They depend on the originator for the general theme for the month, sometimes combining two or more such as Zero Defects, Safety, and National Children's Dental Preventive Health week.



SOMETIMES SEVERAL THEMES COMBINE—Murray Whisenant, painter in the Sign Shop of the Army Missile Support Command's Post Engineer Division puts the finishing touches on a sign carrying three messages to Redstone Arsenal motorists—Zero Defects, Children's National Preventive Dental Health week, and the basic theme that is changed each month: Safety.

Movie Schedule	
THURSDAY-FRIDAY, Feb. 17-18 "The Spy with My Face" (M)	TUESDAY, Feb. 22 "A Patch of Blue" (M)
SATURDAY, Feb. 19 "Mister Moses" (F)	Two shows nightly at 6:00 and 8:00 p.m. Saturday matinee at 1:00 and Sunday matinee at 2:00 p.m.
WEDNESDAY, Feb. 16 "Fort Courageous" (M)	SUNDAY-MONDAY, Feb. 20-21 "Cat Ballou" (F)

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Don't just sit around bemoaning the influx of monthly bills. Pay them all off in one sweep, with one of our quick, easy loans.

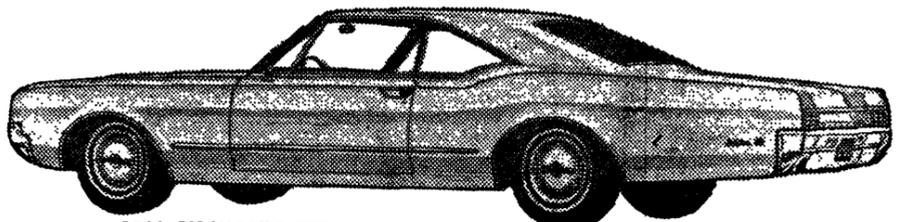
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RECEIVES INCENTIVE AWARD—Joseph F. Gambill of the U. S. Army Missile Command worked out a pressure equalization system to use on XM703 trailer vans which house AN/TSQ-51 systems and earned \$250 for his suggestion. The award was made by Col. Morris W. Pettit, Chief of the Air Defense Fire Coordination and Control Office, where Gambill is employed. Before coming to Huntsville, Gambill worked at Dyess Air Force Base, Texas, as an industrial specialist. The Gambills settled in Huntsville where 15-year-old Charlotte Ann is in school.

Local Engineers Plan Week of Observances

Members of the Northeast Alabama Chapter of the Alabama Society of Professional Engineers, together with representatives of the Founder Societies, are preparing for Engineers' Week, Feb. 20-26.

Each year during this observance engineers speak at various civic clubs and high schools in the area. Engineering exhibits prepared by the Aero Space Companies are displayed in stores and shopping centers in Huntsville. Several interview and panel discussions featuring engineers will be presented by the radio and television stations. The engineers will discuss opportunities for high school grad-

uates in engineering and various programs and activities of the local chapter. As part of the week's activities, contributions from aerospace companies and the net proceeds of the annual Engineers' Week dinner dance are added to the Chapter's Engineering Scholarship fund.

The Week will end with a dinner-dance at the Carriage Inn Saturday, Feb. 26. During the program, awards will be presented to the outstanding engineers selected by each Engineering Society. Guest speaker will be Maj. Gen. George H. Walker, South Atlantic Division Corps of Engineers. Music will be by the "big band sound" of the Top Hats of Dixie. Tickets are available from John Beal, Jr. 876-2585 or Walter L. Kennedy 876-3616.

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121 East Moulton St. Phone: EL 3-4413
*Under State Supervision

Goodyear's

BIG - BIG SALE

STARTS TOMORROW AT 6 A.M.

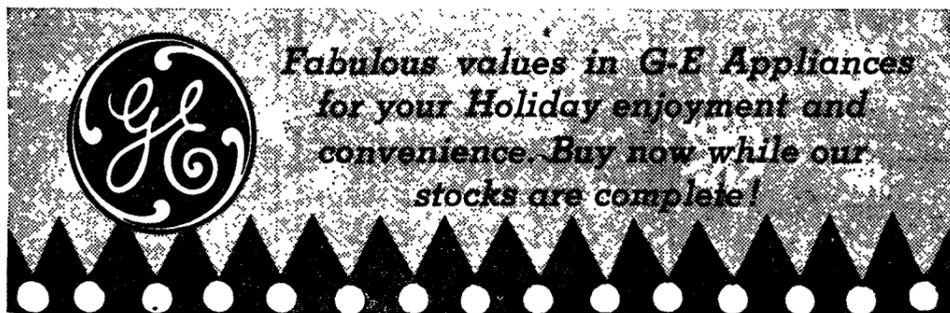
A Sale So Big We Had To Move. For 60 Straight Hours We Will Be In Raymond Jones Armory On South Parkway . . .

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DRASTICALLY REDUCED

We Will Open At The Armory Thursday Morning At 6:00 a.m. and Close Saturday at 6:00 p.m.

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- INSTALL IT FLUSH TO WALL
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Feb. 1, 1956 — Army Ballistic Missile Agency was established at Redstone Arsenal, Alabama. This agency was the predecessor of AMC's Army Missile Command.

WANT AD RATES—\$2.50 minimum, per weekly insertion, covering first 25 words. 5 cents per word for all over 25 words. Cash with copy, except where open account basis is previously established. 25c service charge added for credit. Mail copy with payment to Mrs. Vergie Robinson, P. O. Box 346, Room 217 Times Bldg., Huntsville. Deadline is Friday noon, before Wednesday publication.

Page 14 The Redstone Rocket — February 16, 1966

1. For Rent

3 ROOM EXTRA NICE furnished apt. wall to wall carpet, air condition, electric heat, off St. parking, water furnished, \$90.00 month. Phone 536-9171 or 539-9197. ttc

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FOR RENT—TV's portables, UHF-VHF, by day, week or month 1965-66 models. Ph. 536-9761 Central TV and Stereo Co. corner Governor's Drive and Parkway. Open 8 a.m. to 9 p.m. daily. Phone 534-8689. ttc

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3. Miscellaneous

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4. Mobile Homes

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Munitions Center Receives Big Bomber-Trainer

The Army and the Air Force are cooperating to provide U. S. and foreign students at the Army Missile & Munitions Center here with three of the world's most unusual and valuable schoolrooms.

A \$3,000,000 B-47 jet bomber was delivered to the Center last Friday by a Strategic Air Command crew from Pease Air Force Base at Portsmouth, N.H. Appropriately enough, the aircraft bears the name of "Golden Bomber", a title awarded for meritorious service during many missions with the 100th Bomb Wing of the 8th Air Force.

The Stratojet will serve as a classroom for thousands of soldiers learning how to handle and make safe many kinds of conventional and special weapons that their duties may face them with on and off the battlefield.

Due to arrive in the next few days are an F-89 jet fighter and a C-119 cargo "Flying Boxcar."

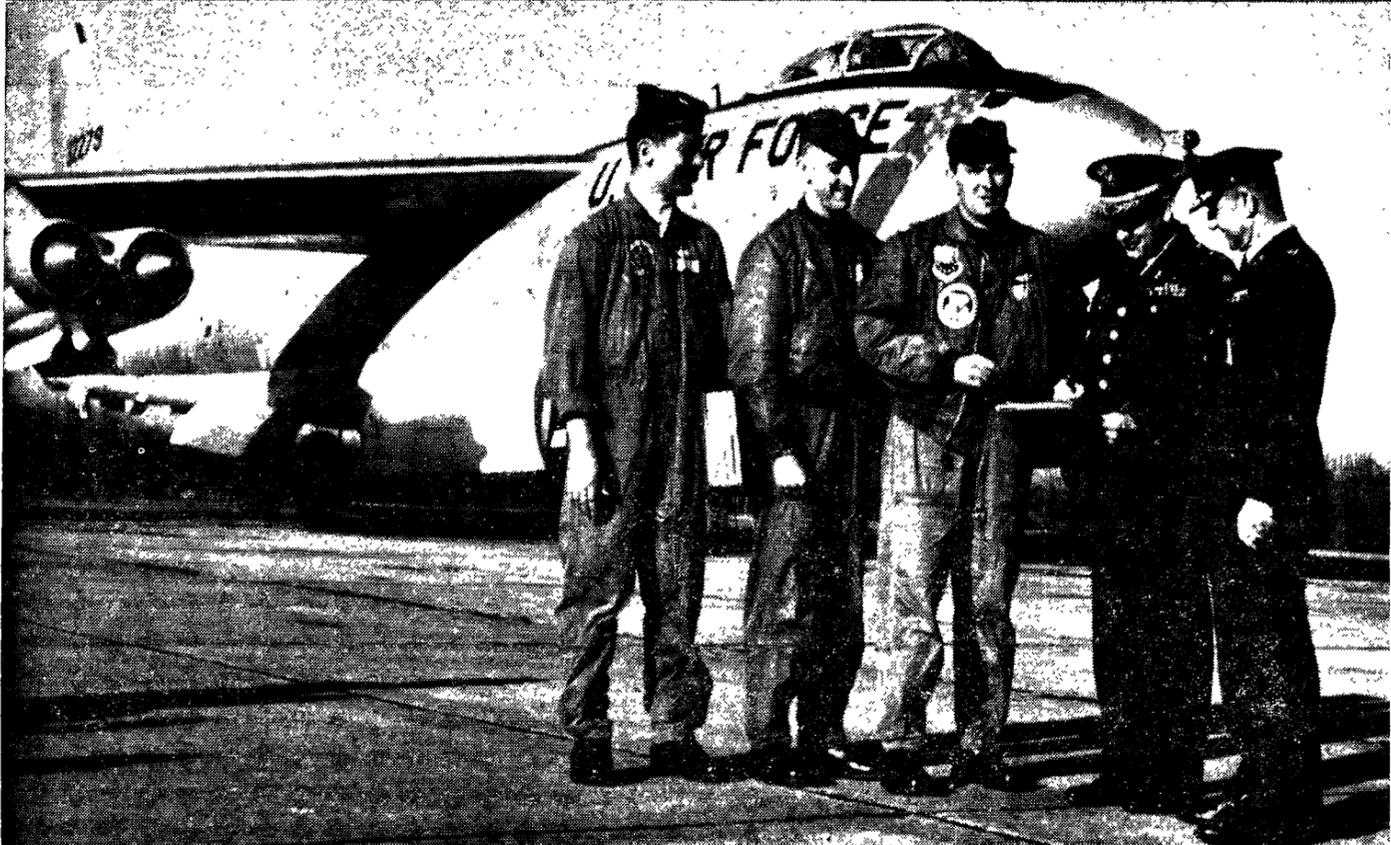
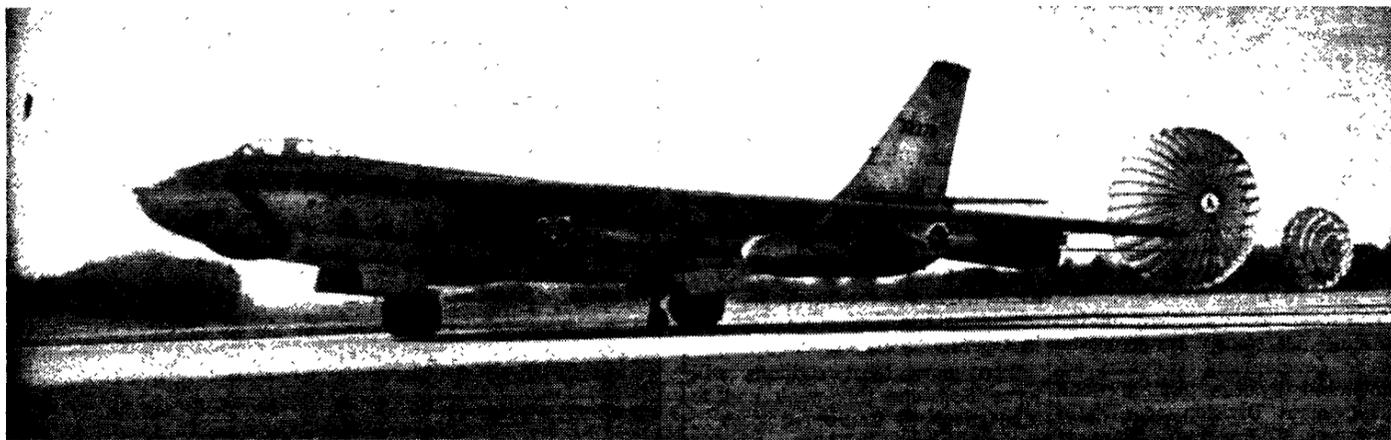
The Stratojet will be towed this week along the famous path of the Saturn boosters to be set up on an outdoor range off Patton Road below the Army and NASA static test stands.

Col. Erwin M. Graham, commandant of the Missile & Munitions Center, and Col. Ralph A. Newman, Air Force liaison officer at Redstone Arsenal, welcomed the Stratojet when it landed at the Army Air Field here late Friday afternoon.

The landing attracted much local attention because the craft flew in on a strong tailwind from the Northeast and arrived with an over supply of fuel. With one drogue chute braking its speed and a second huge yellow one that arrested its landing speed about halfway down the RSA runway, the "Golden Bomber" touched down on its 13th approach to the field.

It was piloted by Capt. John Cornelius, with Lt. Jess Murray as co-pilot and Capt. Andrew Zahornacky as navigator.

The Stratojet and the F-89 will be used for training of some 50 Explosive Ordnance Disposal units that come to the Center each year



TRAINING VEHICLE—A B-47 Stratojet bomber lands at the Redstone Arsenal Airfield aided by two chutes. The \$3,000,000 aircraft will be used in explosive ordnance disposal training at the U. S. Army Missile & Munitions Center & School. Below: The crew of the bomber sign it over to Col. Erwin M. Graham, Jr., second from

right, commandant of MMCS as Col. John A. Newman, right, Air Force liaison office for Redstone Arsenal watches. The three man crew of the Strategic Air Command plane is from left; Lt. Jess Murray, co-pilot, Capt. Andrew Zahornacky, navigator, and Capt. John Cornelius, the pilot.

for two-week refresher training on all types of conventional and special ammunition.

The C-119 "Flying Boxcar" will be used at the Center's ammuni-

tion storage point for training students the proper procedures for handling and loading ammunition for shipment.

With the Missile & Munitions

Center & School already valued at about \$65,000,000, Col. Graham

was being jovially asked how he

planned to sign for the additional \$5,000,000 worth of aircraft that the School has now acquired.

Accountants To Meet

The Federal Government Accountants will meet tomorrow night at 6:30 at the Redstone Officers Open Mess to hear Dr. Charles M. Hersch, Executive Assistant for Education to the Commandant at the Army Missile Munitions Center and School.

The speaker will discuss "Science in Government." Walter H. Parker is handling the reservations.

Feb. 21, 1924 — First term of Army Industrial College opened.

Feb. 23, 1929 — Chief of Staff was given rank of general by Congress.

Dale Carnegie Course

Huntsville Classes Now Forming—Call 536-9501

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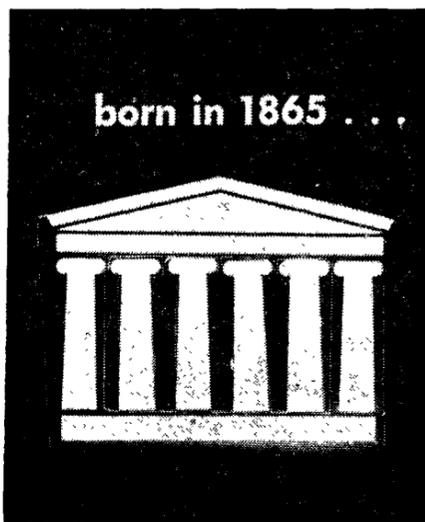
Military personnel (government employees, too) know what moving or emergencies can do to limited incomes. So does Manager George Snelgrove at financial house, after five years in the Marines. He understands something else . . . through his financial training and experience . . . how to provide the money you want quickly, with sensible monthly payments. Call the Understanding Man before retreat!

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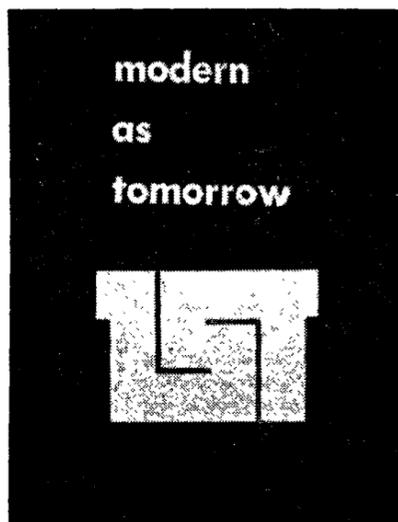


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Twenty-One Employees Will Develop New Skills

Twenty-one Redstone civilians left their normal duty stations this week to enroll for special courses of training offered by military schools across the country. Another civilian employee is at American University for a class of Graduate Level Training.

The locals were selected for the training programs through the career development program administered by the Training and Development Division of Civilian Personnel. The courses range in length from two days to six weeks.

Attending the American University for a course entitled The Economics of Information Center Management is F. E. Croxton, of the Research and Development Directorate. It is a 32 hour course ending tomorrow.

Six of the Redstone employees are at the U. S. Army Management Engineering Training Agency at Rock Island, Ill., where they are enrolled for three courses.

Joel Blanks, Supply and Maintenance, and Edward Kahrs, Nike-X, are taking Project Planning and Control Techniques and Marguerite Carter, Sergeant Project Office, is included in the Work Planning Control Appreciation class.

Mark Thompson, Pershing, James Morgan, R&D, and Lester Walker, Procurement and Production, is enrolled for Designing Quality Programs.

Edgar Loseberg, R&D, is at Aberdeen Proving Ground, Md., to attend the Orientation to Human Engineering class at the Human Engineering Laboratories.

At the same installation to study Packaging Design Military Packaging Training Center are Albert Albright, Consolidated Supply, Jack Wade, of R&D, Adam Long, of S&M.

Gerald Keagy and Horace Nash, both of P&P, together with James McBride, of the Support Command's Maintenance Support Division, are at Frankfort Arsenal in Philadelphia. They are taking a 240-hour course in Basic Electronics and will not return to Redstone until March 25.

SFC Sergio Diaz of the Missile and Munitions Center is at the same place for Calibration of Electronic Measuring Equipment, another 240-hour course.

Paul Moore, Nike-X, and David Farmer, R&D are attending the Advanced Atomic Weapons Orientation at the Defense Atomic Support Agency at Sandia Base, N. M.

At the National Bureau of Standards in Washington are Roy Cameron and Frank Westmoreland, both of the Metrology Center. They are studying Precision and Accuracy in Measurement and Calibration.

Ellis Bridges and James Al-

bright, both from P&P, are taking the Defense Data Managers course at the School of Systems and Logistics at Wright-Patterson AF Base, Ohio. They will return March 11.

William Esslinger, or R&D, spent Monday and Tuesday at the Civil Service Commission in Washington attending the Executive Seminar in Operations Research.

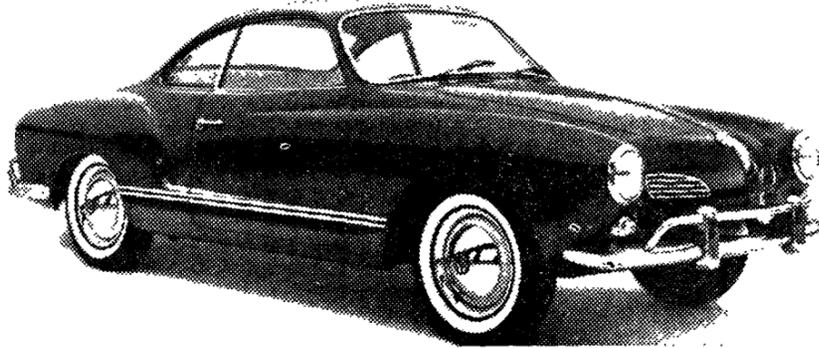
Two more local civilians will leave Redstone this week end to take advanced training courses in their career fields. They are Jackie Cooper, of P&P, and Vincent D'Antonio, MMCS.

Cooper is going to the Wright-Patterson AF Base for a 360-hour course, Quantitative Methods of Cost Analysis, and D'Antonio will take the Redeye New Equipment Training Field Maintenance Course at the General Dynamics Plant, Pomona, Calif.



THIRD AWARD—Col. Russell Sell, Director of Supply and Maintenance, presents the citation accompanying his third Army Commendation Medal to Lt. Col. John McCarthy, a project officer in the National Inventory Control Point. Col. William Grabowski, Chief of the NICP, is at right. Lt. Col. McCarthy was cited for his second Oak Leaf Cluster to the Commendation Medal in recognition of his service as Inventory Control Officer with the 7th Army in Germany. He reported to the Missile Command last November from the assignment in Europe.

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Recreation Group Sets Deadline On Ticket Sales

Saturday, Feb. 19, is the big night for members of Redstone Recreation Association. That is the night of the Annual Grande Ball at the Sheraton Motor Inn.

Cocktails will be served at 6:30 p.m. and a "Royal Buffet" at 7:30. Dancing will be from 9 til 1 a.m., with music by the Gene Louis Sextette.

Tomorrow is the deadline for buying tickets.

Information about the ball, and membership in RRA, is available by calling the association's secretary at 539-4009, or by visiting the office at 2011 Jordan Lane.