

August 23, 1985

Number 17

Peacekeeper emplacer contract awarded to Martin Marietta

Martin Marietta has received a \$206 million Air Force contract for six mobile "emplacers" and other equipment for transport and handling of Peacekeeper (MX) missiles.

"We're delighted but the award comes as no surprise," said Stan F. Albrecht, Peacekeeper program director. "We've been working on this long-lead since October, because the government realized the need to start early production to preserve the schedule contract negotiated back in April. This is the formal announcement."

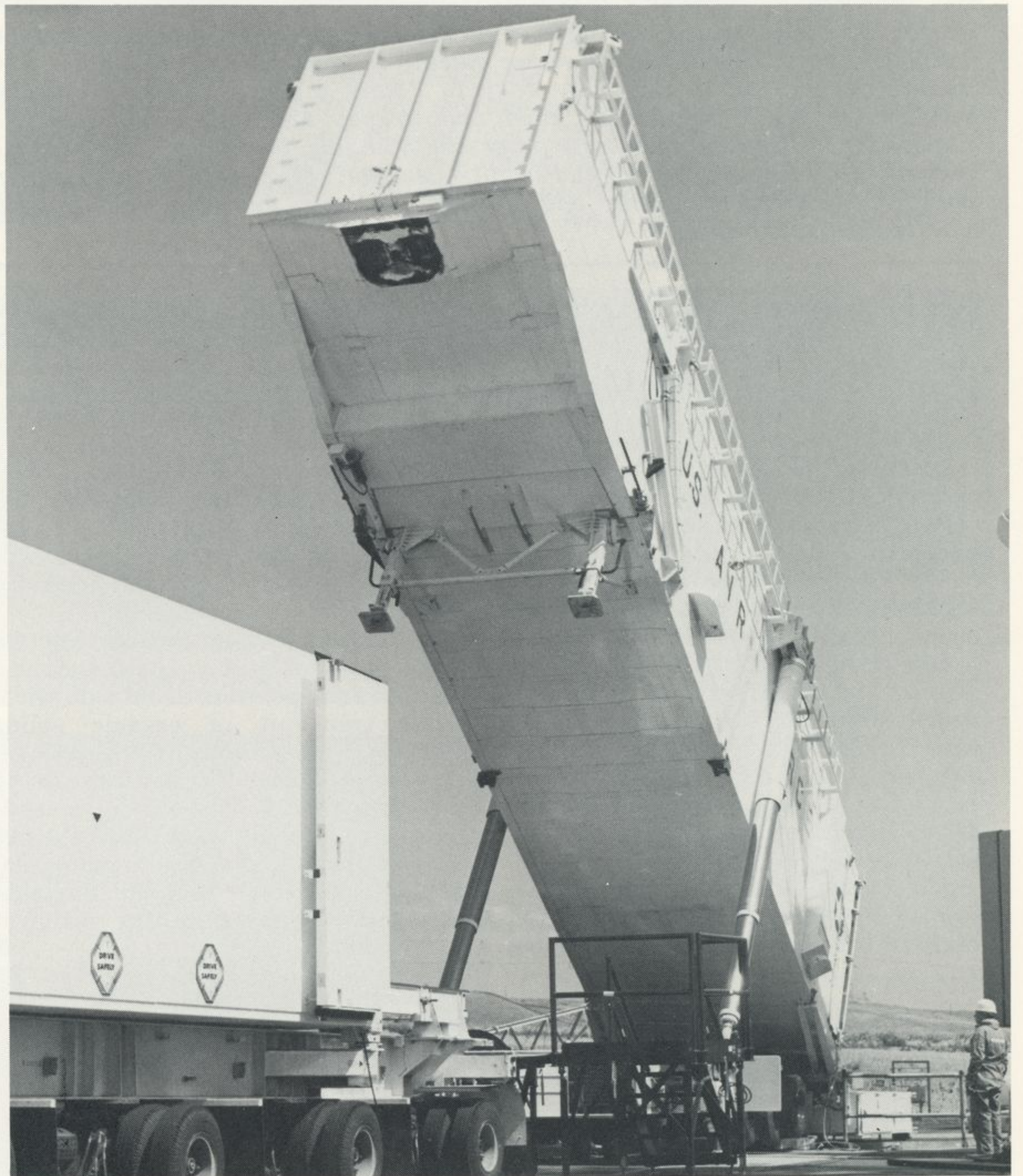
Resembling tractor trailers, the 68-foot-long emplacers will be used to install Peacekeepers in underground silos when they are deployed at Francis E. Warren Air Force Base, Wyoming, starting in mid-1986. The vehicles are equipped with hydraulic systems and hoists for lifting, lowering, and aligning precisely each stage of the missile as it goes into place.

The award is a fixed price incentive contract requiring performance at the predetermined cost. It includes warranties on the emplacers.

Under the contract, the first emplacer will be delivered in July 1986 with subsequent deliveries at two-month intervals. All 2000 items covered by the contract will be delivered over a two-year period.

Other transportation and handling equipment to be provided includes carriages for missile stages, cranes, slings, canisters, cables, and reels. Maintenance equipment and technical manuals also are included.

In February of this year, under an earlier contract, Martin Marietta delivered an emplacer and associated equipment to Vandenberg Air Force Base, California, for use in the ongoing Peacekeeper flight test program. A second emplacer will go to the West Coast base early next year. Test firings from underground silos at Vandenberg are scheduled to start in the near future as part of the second phase of flight testing.



Hydraulic actuators raise Peacekeeper emplacer to upright position. Missile stage transporter is shown in left foreground.

Albrecht said the company expects the next request for proposal towards the end of the year to provide instrumentation systems for the operation and test evaluation (OT&E) program.

"We expect to bid on that the first of the year and hope to have a contract by

July 1986 with the Air Force," Albrecht said.

Don Eagen is project director for the emplacer and transportation and handling, John Dwyer is project director for all logistics activities, and Thomas Morris is responsible for production operations for these activities. ■



Warren B. Beery, seated, far right, vice president, technical operations, congratulates those responsible for acting quickly to implement CATECS live TV classes. Seated, left to right, are Jody R. Johns, director, human resources development; Ned I. Stephenson, chief, photography; and Bette L. Wooster, administrator, college and university programs. Standing, left to right, are Fred R. Bennett, Jr., manager, capital and facilities support; Michael M. Noury, senior engineer, telecommunications; and Edward F. Dash, manager, management development and training.

Mission objectives: satellite repair and multiple satellite deployment

Space shuttle mission 51-I will mark another bold effort in space when an astronaut, standing in the remote manipulator arm and foot restraints, will attempt to repair and salvage the lifeless Leasat/Syncom IV-F3 satellite and re-deploy it for normal operations.

Launch of the 20th space shuttle is planned for no earlier than Saturday, August, 24 at 6:51 a.m. MDT. Along with the daring Leasat rescue, crewmembers will deploy three additional satellites and conduct research for the 3M Corporation during the scheduled eight-day flight.

Joe H. Engle will command the mission, a role he played on the second flight of the space shuttle. Supporting

Engle will be pilot Richard O. Covey, and mission specialists James D. van Hoften, William F. Fisher, and John M. Lounge. Van Hoften and Fisher will perform the extravehicular activity (EVA) for the Leasat rescue.

In addition, van Hoften will be responsible for deploying the Leasat 4 satellite and operation of 3M's physical vapor transport of organic solids (PVTOS) experiment. Fisher will deploy the ASC-1 satellite and serve as the space mechanic for the ailing Leasat 3. Lounge will deploy the AUSSAT-1 satellite, maneuver the remote manipulator arm, and serve as flight engineer during the ascent and reentry portion of the mission.

Company to sponsor final family event

The fourth and final company-sponsored family event for 1985 will be held Saturday, September 7, at Lakeside Amusement Park. Department administrators are distributing tickets to employees who selected Lakeside as one of their two choices of events this year.

New employees who have not had the opportunity to attend two family events may also obtain

tickets from their department administrators.

The park will be open exclusively for Martin Marietta employees and their families from 11:30 a.m. to 6:00 p.m. In addition to free rides, many other special activities are scheduled, including a 1950s rock and roll dance band, a treasure hunt for 5-7 year old children, and an international rope skipping team. Employees may park free.

Live TV classes to start in Sept

Live video, postgraduate classes offered by the University of Colorado will be available to Denver Aerospace employees starting September 4.

CATECS, which stands for CU's Center for Advanced Training in Engineering and Computer Science program, offers a broad range of technical and business-oriented courses. The CATECS study program is part of the university-level, professional development opportunity offered by Denver Aerospace.

Tuition, books, and other support costs will be paid by the company for qualified employees who enroll in classes designed to increase and extend their skills.

Although the CATECS program has been operating for one year, participation at Martin Marietta facilities has been limited to videotape presentation of classes, without the opportunity for live questions and feedback to the instructors.

The decision to implement live television instruction program followed a recent meeting with Peter B. Teets, Denver Aerospace president, Warren G. Beery, vice president, technical operations, and Dean Richard Seebass of the CU College of Engineering and Applied Science.

Management credits facilities, telecommunications, and professional training management with expending special effort to implement the classes in time for the fall term.

For registration information, call ext 7-5698.

Quality of work to be subject of noon seminars

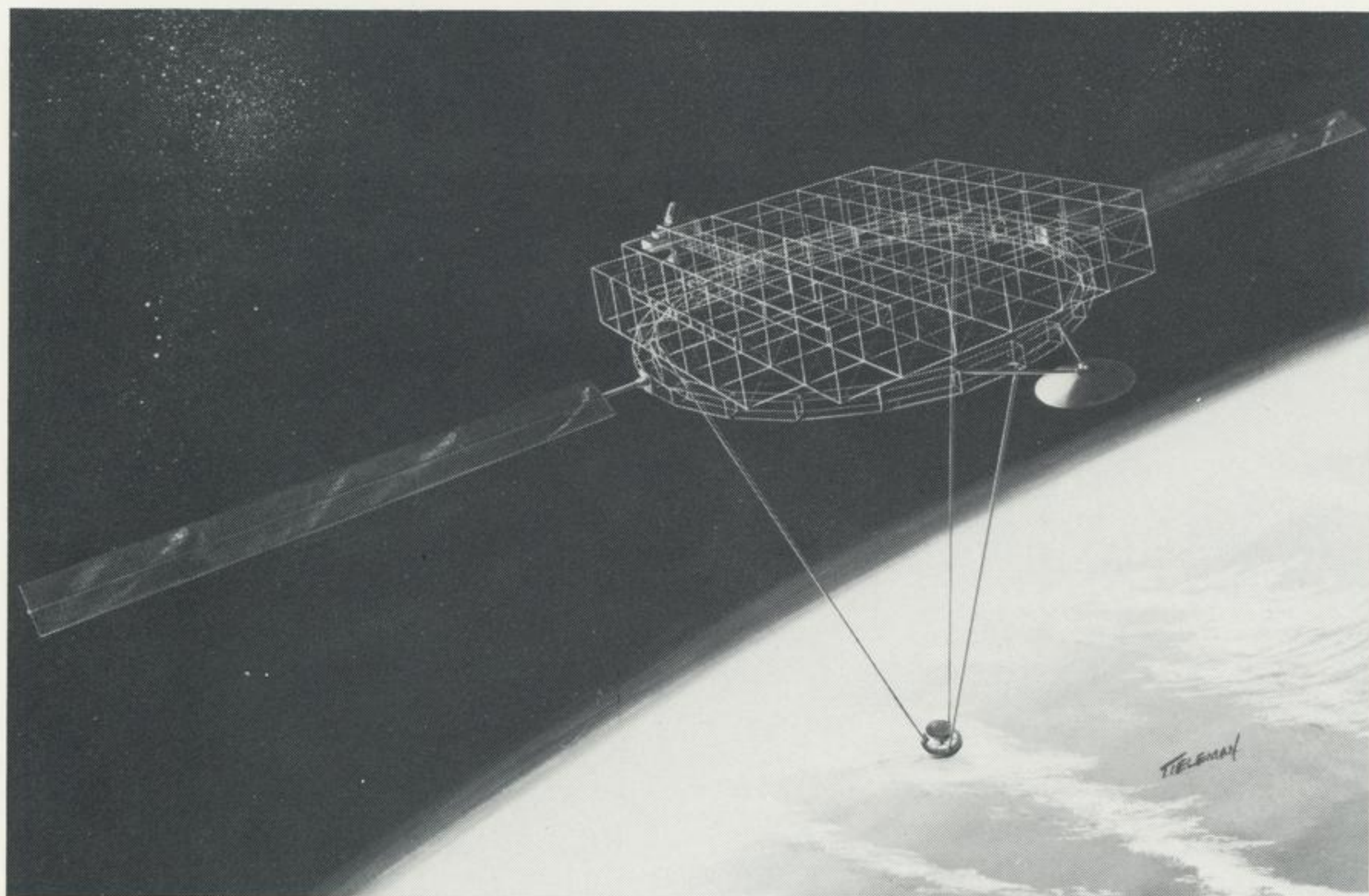
A series of noontime video seminars covering the concepts of the Commitment to Excellence program will begin in September. Offered by the effectiveness programs department, each videotape session will run 45 minutes and will feature Dr. W. Edwards Deming and his colleague Dr. Joseph Juran.

The sessions will be held in the engineering presentation room, Eng. Bldg., Waterton facility. The first seminar begins at noon on September 4. For more information, call effectiveness programs, ext 7-6104.



Company contributes \$5000 to Brothers Redevelopment, Inc.

Joe Giron, left, president, and Mary Ann Shing, secretary-treasurer, Brothers Redevelopment, Inc. (BRI), receive a \$5000 donation from Martin Marietta Corporation Foundation presented by Gareth D. Flora, vice president, business development. BRI is a private nonprofit corporation providing housing services to low and moderate income families, the elderly, and handicapped.



PACOSS model to aid design of future Air Force space systems

Graphic artist John Tieleman depicts a representative space system developed under the passive and active control of space structures (PACOSS) program. The system is a generic model possessing characteristics of a variety of mission concepts and performance goals. Analytic study and demonstration of passive and active vibration damping technology using the model will aid in the design of future Air Force space systems. The five-year PACOSS contract was awarded to the analytical mechanics department by the Air Force Wright Aeronautical Laboratories in February 1983. Dr. Ken Richards is program manager.

Credit union offers summer special

The Red Rocks Federal Credit Union has two special summer finance rates valid through September 30.

For recreational vehicles, boats and trailers, the credit union offers 13 percent APR (80 percent of purchase price), and 15.5 APR (80 percent of purchase price). For new cars, the 36-month rate is 12 percent; the 46-month rate is 12.5 percent; and the 60-month rate is 13.5 percent. All are APR at 80 percent of purchase prices. Call ext 7-6000 for information.

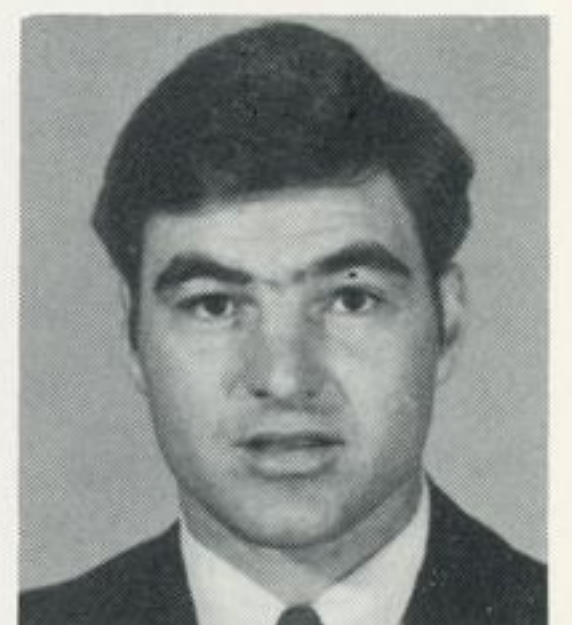
Education-with-Industry marks 23rd year

U.S. Air Force Captains Randal Canales, Milagros Caraballo, and Ronald K. Unruh have begun their ten-month Education-with-Industry (EWI) tour here, marking the 23rd year such students have been assigned to Denver Aerospace.

EWI is a graduate-level program administered by the U.S. Air Force Institute of Technology at Wright-Patterson Air Force Base. Essentially a management internship, the program emphasizes an onsite industrial educational experience, to improve the officers' managerial qualities and technical competence.

The program provides the student-officer a better understanding of production, procurement, and management concerns shared by industry and its customer through these assignments at contractor facilities. Historically, upon completing the programs, EWI graduates have been assigned primarily to the Systems or Logistics Commands where primary interface with the aerospace industry occurs.

Canales most recently was an audit team leader at Bitburg Air Base in Germany, where he evaluated activities for commanders and senior base officials at three major installations with budgets exceeding \$80 million.



Canales

A five-year veteran, Canales has a BA in general business from Pan American University in Edinburg, Texas.

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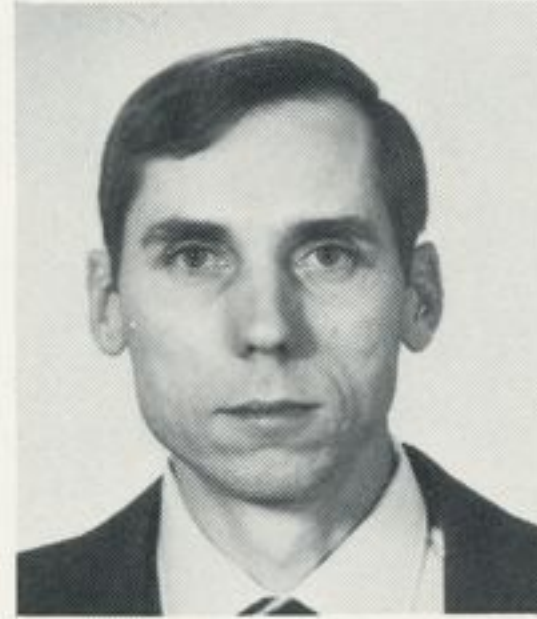
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Caraballo, a seven-year veteran, was an assistant professor, department of behavioral sciences and leadership, at the U.S. Air Force Academy in Colorado Springs, CO. She has a BA in Spanish and an MS in rehabilitation counseling from State University of New York at Albany in Albany, NY.



Caraballo

Unruh comes to the program with 13 years of military service from Minot Air Force Base, ND (91st Strategic Missile Wing), where he trained and supervised evaluators who determine the combat readiness of the wing's missile crew forces. Unruh has an ME in secondary school administration from University of Oklahoma in Norman, OK.



Unruh

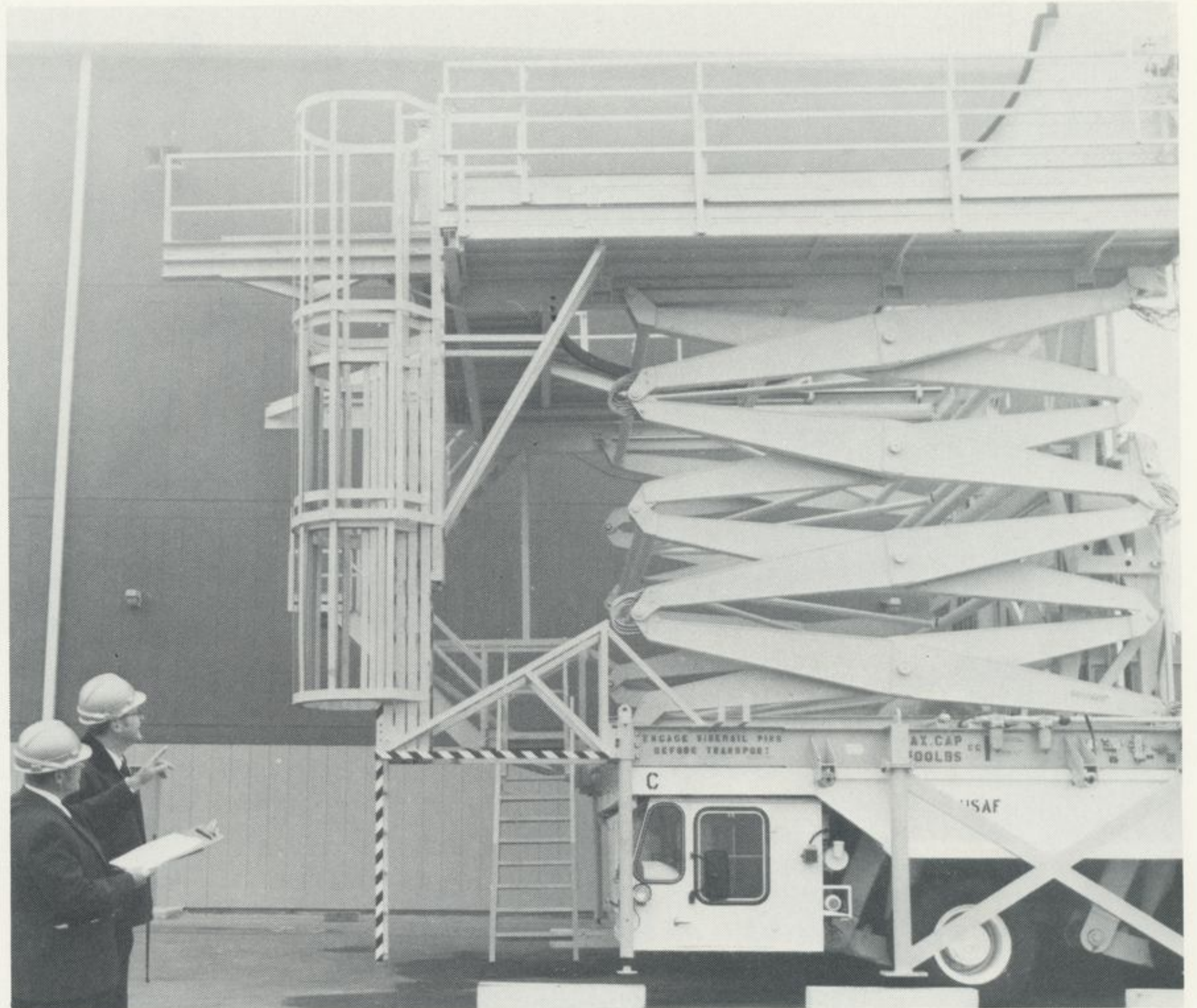
Martin Marietta set for job fair

Martin Marietta Denver Aerospace has scheduled a Career Fair '85 this weekend as part of an intensive effort to hire 900 new professional employees by the end of the year.

The fair—the second sponsored by the company in two years—will be held from 9 a.m. to 5 p.m. Saturday and Sunday, August 24 and 25, at Euclid Junior High School, 777 W. Euclid Ave., Littleton.

Company officials said hiring would be primarily in areas such as systems engineering, electronics engineering, software engineering, systems safety engineering, test and software test engineering, software quality assurance engineering, and mechanical engineering. The company also has openings in contracts, configuration and data management, cost estimating and cost management, and logistics.

Prospective employees should bring a resume to Career Fair '85, where they will have an opportunity to meet with more than 50 technical managers who will be on hand. The fair also will feature an exhibit of Denver Aerospace programs and projects.



Scissor platform completed for Air Force in California

A. J. Wilcox, left, flight elements project engineer, and Dick Jones, test monitor for test and evaluation, watch the solid rocket motor (SRM) access platform in action at the solid rocket booster refurbishment and subassembly facility at Vandenberg Air Force Base, CA. The air-powered platform was designed by Martin Marietta to give technicians 360-degree access to the SRMs then stacked on their transporter.



Corporation helps historical society expand

The Lompoc Valley Historical Society in California was the recent recipient of a \$1500 grant from the Martin Marietta Corporation. The grant will be used to provide new buildings to display and store valuable artifacts. Pictured left to right are Earl Calvert, vice president of the society; Annie Calvert, secretary-treasurer; Dennis Headrick, society president; Maggi L. Daane, Martin Marietta public relations at Vandenberg; and Felix J. Scheffler, Martin Marietta director of Vandenberg Operations.



GPL—Tempest Quality Circle develops procedure to reduce lost time

Employees at the general purpose lab (GPL) recently completed a quality circle management presentation, streamlining use of the combined avionics scientific simulation lab (CASSL). Both GPL and Greenwood employees use Tempest, a radio frequency radiation-secured computer lab that houses the software validation test bed. The streamlined scheduling procedure was approved and is now in use. Industrial

engineering estimates lost-time savings through better scheduling of lab time at \$49,000 annually. Pictured in the lab are, left to right, Chuck Wilkers, Ed Gee, West Womack, Al Herwitz, Brian Phillips, Dave Stratman, Gary Braun, Barry Power, Dan Corbett, Joe Wuest, Cheryl Marts, Ken Light, and Guy Piasecki. Not shown: Larry Linville and Winston Sparks.

“Household Chemical Roundup” planned for September 7

Martin Marietta employees have the opportunity to participate in a community-wide chemical cleanup next month. Residents from six counties are asked to bring unwanted, leftover household chemicals to metro Denver’s first “Household Chemical Roundup,” a one-day event scheduled for 9 a.m. to 4 p.m. on Saturday, Sept. 7.

Products collected will be packed in drums and safely transported to a chemical waste disposal site.

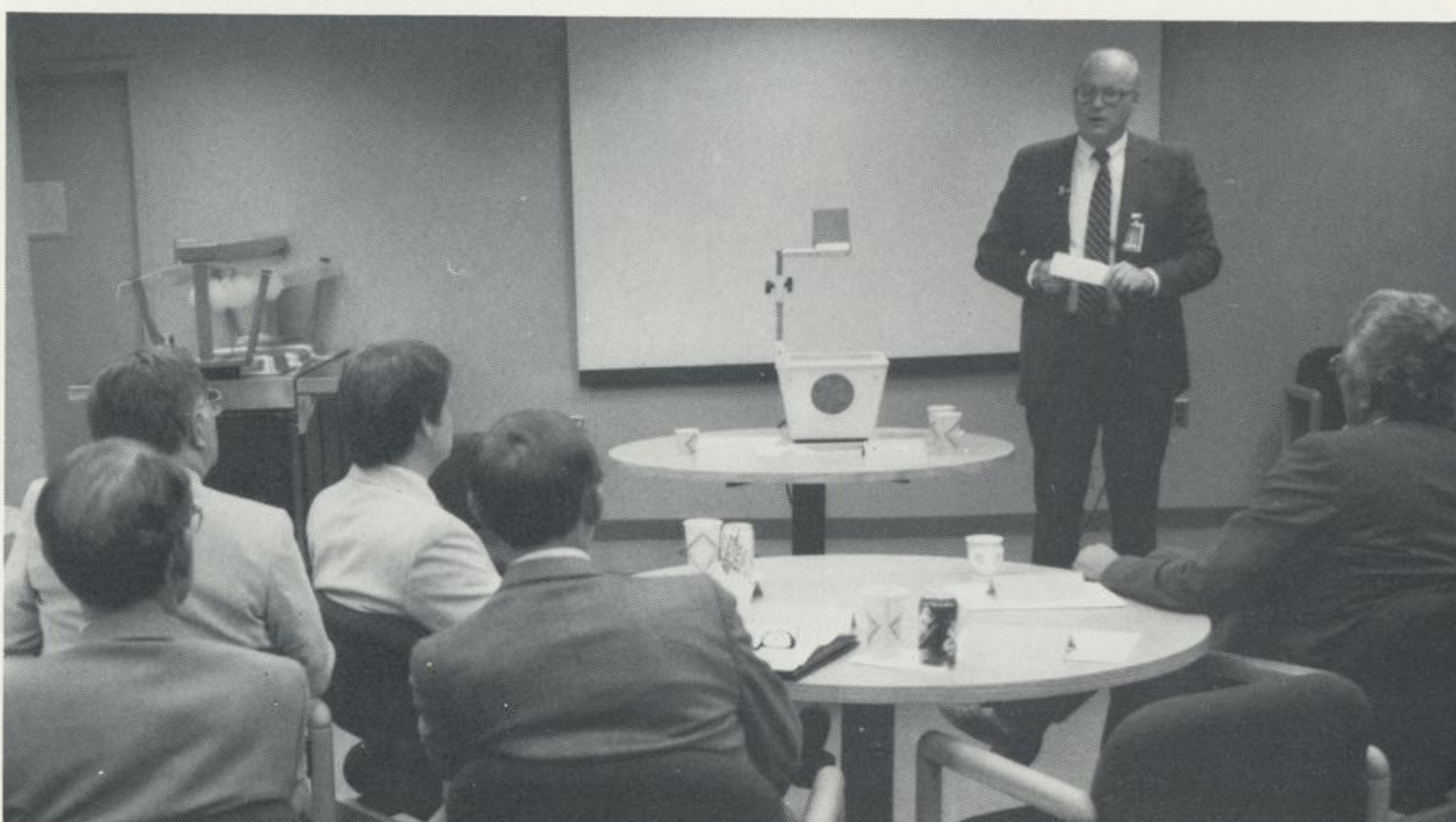
Products labeled “use with caution” or “flammable” or “keep away from children” probably are hazardous chemicals. Examples include waste oil, antifreeze, liquid car wax, silver cleaners, weed killers, floor waxes and cleaners,

bleach, paint and paint thinners, wood preservatives, expired medicines, and photo chemicals.

Collection sites:

- Adams Co—4301 E. 72nd Ave.
- Arapahoe Co—12625 E. Ellsworth Ave.
- 2800 S. Platte River Dr.
- Castlewood Fire Station #1, 5901 S. Havana
- Boulder Co—National Guard Armory, 4750 Broadway
- Denver Co—Colfax at Bryant St.
- Douglas Co—Douglas County Fairgrounds, 400 S. Lewis
- Jefferson Co—Jefferson County Health Dept., 260 S. Kipling

Call 480-6780 for more information.



New seminar to increase program managers needed for company’s growth

Peter B. Teets, Denver Aerospace president, speaks to potential and current program managers attending the first session of a seminar for program managers. Jody R. Johns, director, human resources development, introduced the program and keynote speaker Teets, who spoke to the group of the need for commitment to the organization, integrity in business, and the need for communication both to the customer and Denver Aerospace management.

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DENVER AEROSPACE
P.O. Box 179—Denver, CO 80201

August 23, 1985

Recreation/employee services

Golf—Results of the Martin Marietta Open golf tournament held on August 10 include the following winners:

- Ladies: medalist—K. Leigh; runner-up—B. Thompson; low net—D. Boyle; runner-up—L. Schneider.
- Men: medalist—R. Sprague; runner-up—W. Jones; established HDCP; low net—W. Schneider; runner-up—F. Bocovich; Peoria HDCP; low net—J. Yorchak; runner-up—B. Moore.
- Seniors: medalist—R. Young; runner-up—P. Nolan; established HDCP; low net—J. Trotter; runner-up—J. Unrein; Peoria HDCP; low net—B. Worrell; runner-up—S. Wiruth.
- Closest to pin #8: men—R. Shaw; seniors—P. Nolan.
- Long drive #9: ladies—D. Boyle; men—B. Bryant; seniors—T. Housley.
- Closest to pin #13: ladies—D. Judge; men—C. Lain; seniors—F. Lecker.
- Long drive #15: ladies—J. Duerr; men—J. Cook; seniors—G. Laws



Allan Foster, left, and Jerry Valdez, Denver Aerospace employees and members of the Japan Karate Club of Littleton, demonstrate the side thrust kick. The club practices Wednesdays and Fridays at 5 p.m. and invites employees and their families to participate. For more information, call Allan Foster, ext 1-8458, or Bev Castor, ext 7-2332.



Pat Gantt, left, assisted by Mike Goodwin, participate in the Radio Club's annual field day exercise held at Daniel's Park recently. The 24-hour exercise tests emergency communication capabilities of amateur radio operators under adverse conditions at remote sites.

Radio—The Radio Club will demonstrate and discuss Packet Radio Communication—a unique form of digital communication—at 5 p.m. on Sept 10 at the club radio shack at the recreation facilities. All employees welcomed. Call Dave Cowdin, ext 7-6961, for more information.

Blood donors—Blood drive in conference room 107 at LSC will be held from 9 a.m. to noon, and 1 to 2:45 p.m. on Thurs, August 29. To schedule an appointment, employees at S. Lincoln (GEPS) should contact Lucy Winka, ext 7-2818; employees at LSC should contact Bev Cupp or Lori Sharp, ext 7-6605 or 7-6750.