

MARTIN MARIETTA

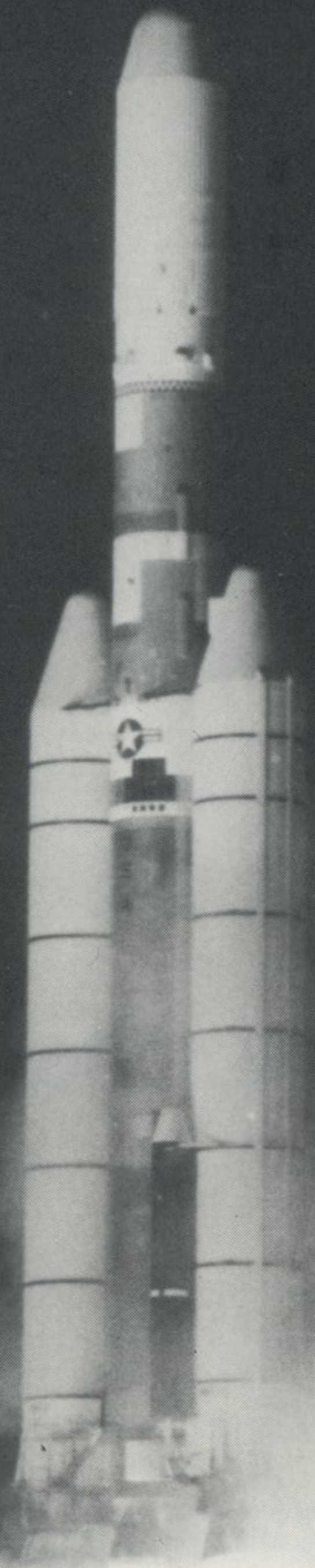
news

DENVER AEROSPACE

January 11, 1985 Number 1

**PERFECT FLIGHT—  
A PERFECT YEAR**

Titan 34-D lifts off from Cape Canaveral, FL on December 21, the third Titan 34-D launched from Florida. Four Titans were launched from VAFB in 1984—the 25th anniversary of the Denver Aerospace Titan program.





# Congress slated for key votes on Peacekeeper production funds

Key votes on releasing restricted FY 1985 production funds for the Peacekeeper ICBM are scheduled to be taken in Congress before the Easter recess.

Production of the first 21 Peacekeepers was approved by Congress in the FY 1984 defense budget. In a compromise last September, however, Congress decided to delay a decision on authorization and appropriation of \$1.5 billion in FY 1985 for production of 21 additional Peacekeeper missiles. Congress voted only to authorize and appropriate \$1 billion for the basing segment costs associated with deployment of the first 21 missiles.

The restricted MX production funds are subject to two votes in both the House of Representatives and the Senate. The votes are expected to be taken between the last week in March and the Easter recess, scheduled to begin April 5.

According to Brig. Gen. Gordon E. Fornell, the Air Force has completed about 80 percent of the MX development program and one third of the flight test program. This spring's congressional



Peacekeeper launch

vote won't affect the flight test program, but concerns production funds for the next 21 Peacekeepers.

Denver Aerospace has a key role in development of the Peacekeeper. Its current responsibilities include missile assembly, test, and system support; weapon system engineering support for the missile and the overall system; the instrumentation and flight safety system; and the flight test program at Vandenberg Air Force Base (AFB), California. Peacekeeper has successfully completed all six test flights from Vandenberg, with 14 more planned.

The company also is developing the Peacekeeper emplacer that will insert or remove missile system elements in or from a launch silo. The first emplacer will be delivered to Vandenberg AFB on February 15.

As of the end of December 1984, Denver Aerospace Peacekeeper contracts totaled approximately \$2 billion, which includes more than \$1.8 billion for assembly, test, and system support, and \$244 million for vehicle design and launcher and basing work.

## Highest priority:

# Review offers company chance to excel

A team of Air Force representatives will conduct a contractor operations review (COR) of Denver Aerospace from February 18 through March 1, 1985.

Part of an extensive program by the Air Force Contract Management Division, the intensive review involves major aerospace firms that serve the needs of the United States Air Force.

Teams of Air Force specialists visit selected contractors for one to two weeks to examine all aspects of each contractor's operation. Particular emphasis is placed upon compliance with contract requirements and conformance to published company policies and procedures.

Company-wide actions to prepare for the Air Force review are being guided by a team under the leadership of Charles E. Carnahan, vice president and general manager of production operations. Achievement of the high degree of success expected in this review

will require participation and cooperation from every employee, Carnahan said.

"Successful performance by Denver Aerospace on this review can significantly enhance our image and favorably affect future business with one of our most important customers," Carnahan stressed. "We are giving highest priority to a comprehensive effort between now and February 18 to assure a superb rating."

The team, chaired by Carnahan, has representatives from each major functional area, and will assign action items throughout the organization before and during the review. Employee support is required.

Each employee must critically examine work practices and environment; suggestions will be welcomed. Give any ideas to the department manager or to a member of the company review team. The team roster includes Arthur A.

Arndt, facilities, 7-4572; John C. Curlander, eng. ops., 7-7887; George Damstedt, space systems, 7-5819; Ronald N. Halcomb, personnel safety, 7-4028; Richard E. Hannum, product assurance, 7-4130; Craig M. Hansen, mfg. integ. ops., 7-4547; Bud G. Irvine, Jr., product assurance, 7-4850; Clifford J. Kronauer, program effectiveness, 7-6103; Will L. Martinez, I&CS, 7-2806; Donald L. Plomondon, S&LS, 7-7056; Daniel J. Reich, Sr., planning, 7-5900; Dewey Rinehart, eng. ops., 7-3719; Philip L. Rogers, business operations, 7-6149; Stan V. Sawicki, policies/procedures, 7-6919; Dwaine E. Schilling, action items, 7-3878; Robert H. Snodgrass, facilities, 7-3930; C. G. Stucker, contracts, 7-9360; James W. Tutchton, quality, 7-3354; Jerry C. Valentine, contracts, 7-9358; Vernon V. Vlcek, finance, 7-3576; Herbert L. Watkins, 7-4455; Robert Weston, Jr., logistics, 7-4439; and Charles T. Wood, materiel, 7-3141.





*Judy Baity of I&CS adjusts a map on a prototype of a computer-driven plotting system that the company will build for the U.S. Navy. Computer-generated data is mechanically reproduced over standard naval maps by the plotting system.*

## Company wins Navy contract

Martin Marietta Corporation has received a Navy contract to produce new computer-driven plotting systems for shipboard display of military data.

Eleven of the PT-530/USO plotters will be produced by the Corporation's Information & Communications Systems company under the \$6.7-million contract.

Using computer-generated data, the plotters will mechanically produce 4x5 ft graphic plots from a number of sources directly on or over standard naval maps. The plots assist shipboard

command personnel in developing timely intelligence assessments and planning operations.

Martin Marietta has completed a series of contracts on the plotting system since 1977, taking the project through design, development, construction of two prototypes, and establishment of maintenance and training procedures.

Approximately 30 people at the company's facilities in Littleton will be involved in the 2 1/2 year production contract.

## Michoud wins security award

The Michoud Division has received the James S. Cogswell award from the Department of Defense (DOD) for outstanding industrial security achievement during 1984.

Joan Turner, director of Industrial Security for the Southeastern Region of the Defense Investigative Service, presented the award Nov. 26 at New Orleans.

Turner cited Michoud for its "high level of security consciousness and top-ranking education program."

"Your sustained outstanding achievement in 1984 contributed significantly to the security interests of the nation," she said in presenting the award to Richard M. Davis, vice president

and general manager of the Michoud Division.

Michoud and 29 other firms were selected from more than 13,000 industrial firms with DOD facility security clearances to perform classified contracts. Award criteria include the degree of security consciousness and cooperation by management, effectiveness of employee security education and motivation programs, security practices and procedures, and ability to sustain progressive security systems.

The award, named for the first chief of the Office of Industrial Security, recognized both the Michoud Division and security manager Raymond J. Lacombe.

## Titan Centaur selected by AF

In the first phase of competition to build and launch ten complementary expendable launch vehicles (CELV), the U.S. Air Force has selected Martin Marietta.

Gary Flora, director of business management, said the company was chosen over General Dynamics' Convair Division, the other industrial contractor submitting a proposal.

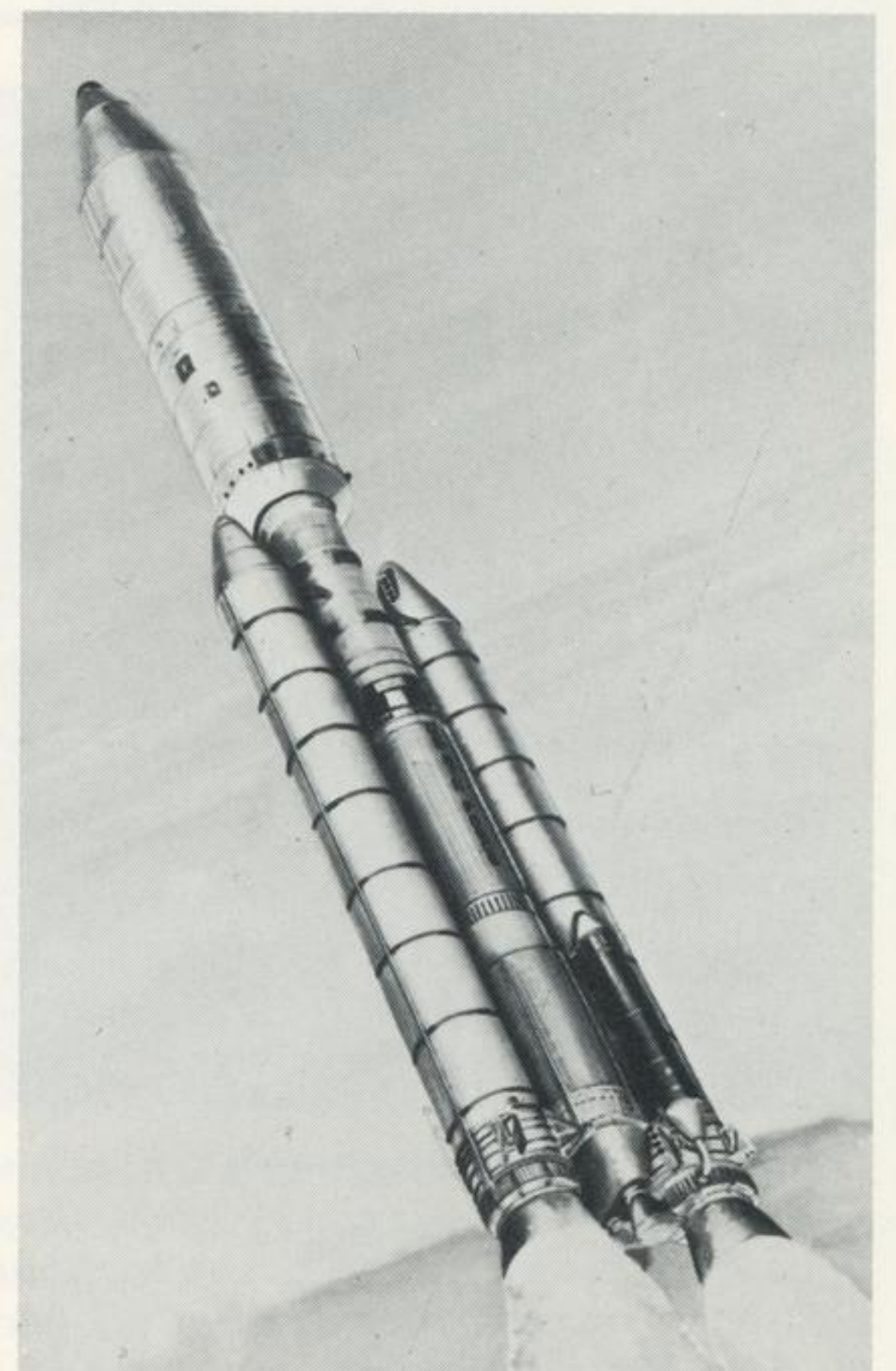
Martin Marietta's proposal now will be evaluated against a proposal submitted by NASA, Flora said. Selection will occur early this year. Value of the contract is expected to exceed \$2 billion.

The Air Force would like to buy the launch vehicles as a complement to the space shuttle to assure access to space for critical national security payloads. First launch is planned for October 1988.

Using the Centaur as an upper stage baseline, the launch vehicle must be capable of placing 10,000 pounds into geosynchronous orbit—approximately 22,000 miles above Earth.

Flora said Martin Marietta proposed an improved Titan 34D with stretched first and second stages, 7-segment solid-propellant rocket motors, a 16.7-foot diameter payload fairing, and a Centaur G-prime upper stage.

"Titan offers a proven track record for similar vehicle upgrades, so no flight tests will be required," he said. "In addition, it offers proven reliability, with a 98 percent success rate for Titan III."



*Artist's concept of Titan/Centaur.*





**Engineering laboratory dedicated.** Scott Fisher, a University of Wyoming sophomore, seated, demonstrates the advanced capabilities of the College of Engineering's new Martin Marietta computer graphics teaching laboratory, dedicated recently. Observing, from left, are Robert G. Morra, vice president for technical operations; Les Burns, head of Martin Marietta's computer aided design and manufacturing applications unit; and Bruce Dewey, assistant dean, College of Engineering. The company donated \$100,000 toward specialized equipment for the new lab.

## 17 consecutive award fees mark successful contract end

After more than eight years, a Denver Aerospace contract with NASA involving Kennedy Space Center (KSC), FL and Vandenberg Air Force Base (VAFB), CA, has come to a successful conclusion.

The contract, which began in July 1976, at first involved checkout and launch support for external tanks at KSC. Early in 1983, a supplemental agreement added activation work on the external tank at VAFB.

From October 1976 until February 4, 1984, when the contract at KSC ended,

NASA judged all 14 KSC award fee periods "superior"—NASA's top rating—and awarded 100 percent of the available award fee pools.

The period of performance at Vandenberg from March 1983 until September 1984 contained three six-month periods. All three received "superior" ratings and earned 100 percent of the award fee pools, making a total of 17 straight top ratings. Thomas C. Wirth headed the contract for Martin Marietta.

## Michoud praised for contracts with small businesses

Martin Marietta Aerospace has been cited by NASA and the Gulf South Minority Purchasing Council for outstanding achievement in subcontracting to small and disadvantaged businesses in connection with its space shuttle external tank program.

During 1982 and 1983, the Michoud Division awarded \$56.4 million in subcontracts to small and disadvantaged firms. NASA noted that this amount exceeded the contract goals by \$4.1 million.

The Gulf South Minority Purchasing Council, which represents businesses in Louisiana, Mississippi and Alabama,

awarded the company its Corporate Support Award.

Subcontracting work involved in the citations included re-roofing the manufacturing building at Michoud, small machine shop work, and the procurement of sensors, vent line seals, valves and raw materials. Approximately 30 percent of the work was performed by small firms in Louisiana—principally in the New Orleans area. Another 24 percent went to firms in California, with the remainder distributed throughout the United States.

Martin Marietta Aerospace has been active in small business contracting since the early 1960s.

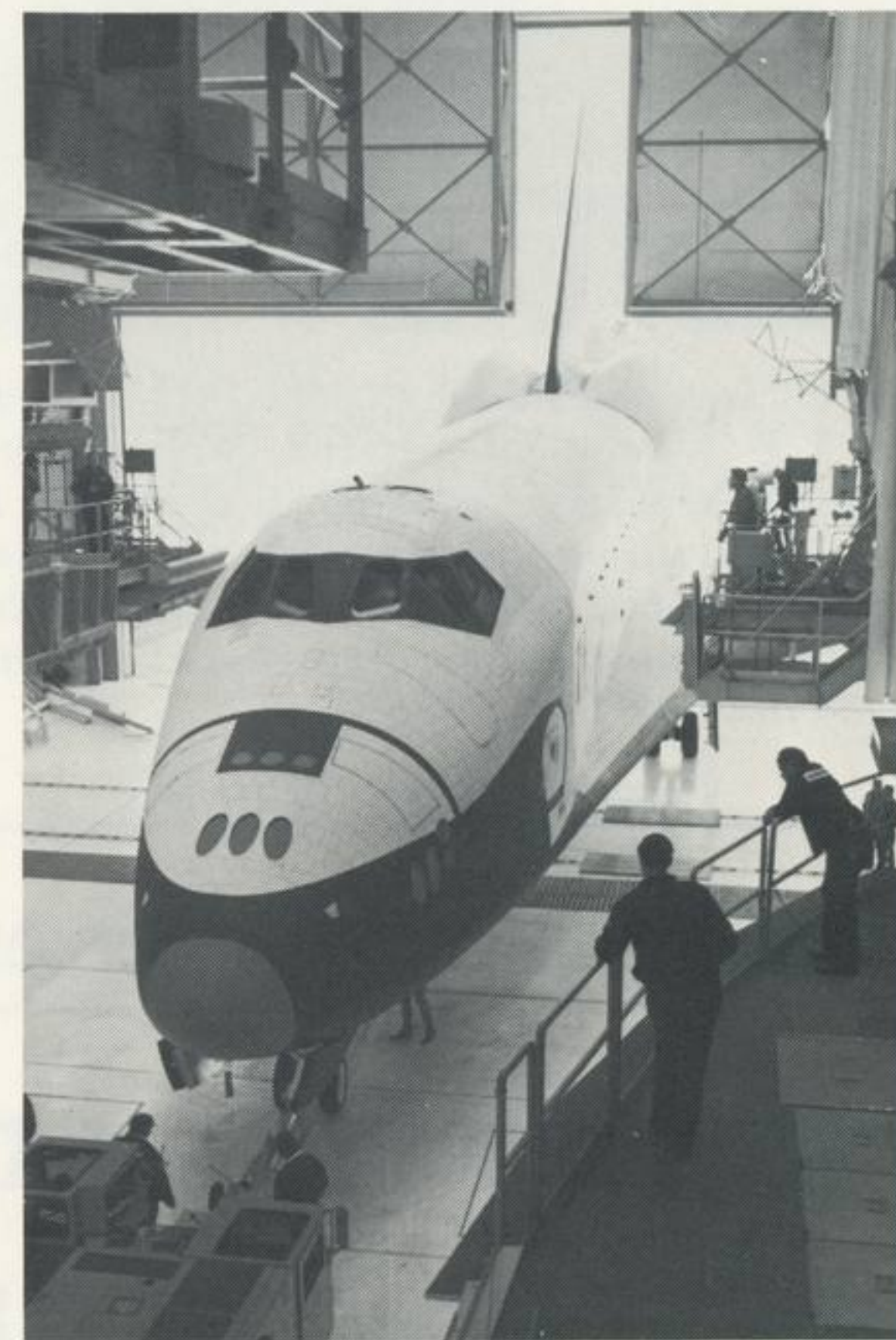
## Harness fab team's efforts help area

Team efforts improved performance by 50 percent between May and November, 1984 in the harness fabrication area at the main plant's factory, reports Kenneth Shearer, general supervisor of quality acceptance.

"The improvements resulted from the hard work and dedication of many employees over the past six months. Team effort increased productivity."

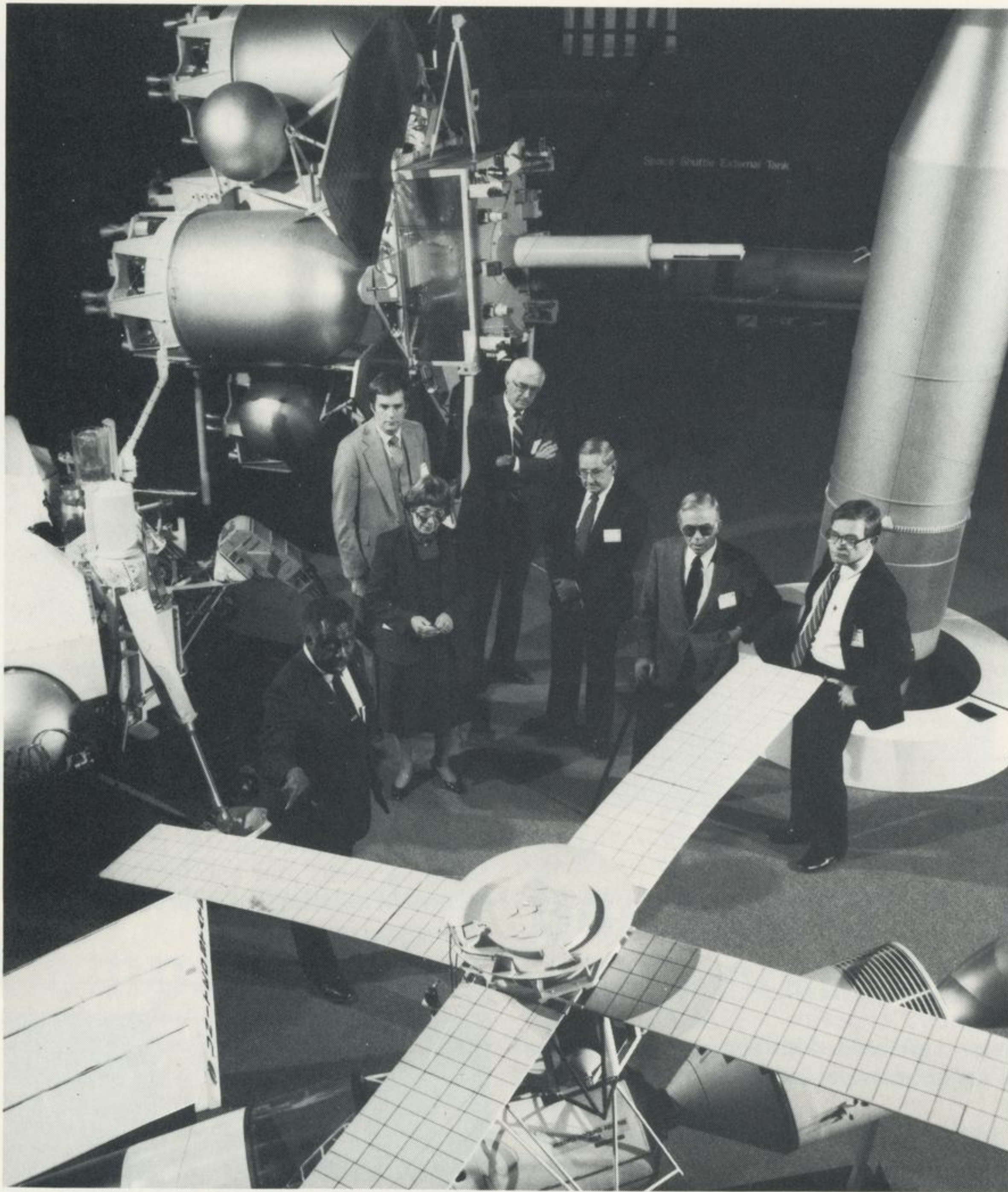
Receipt of the Peacekeeper IFSS (instrumentation and flight safety system) contract meant new work and new problems for the harness fab group. A new cable connector design called for rework, repair and scrapping of cable assemblies, Shearer says.

A team of manufacturing, quality, engineering, and training personnel was formed to establish quickly a harness-building certification class, training manufacturing, and quality inspection employees. The team also upgraded working conditions in the harness-building area, and established weekly technical meetings to improve manufacturing and inspection.



**Enterprise marks new milestone in ground support systems (GSS) program.** With the arrival of the space shuttle orbiter Enterprise at Vandenberg Air Force Base, CA in November, crews began to test and verify procedures and equipment at the facility. As a pathfinder, the Enterprise will be used for testing, before flight orbiter Discovery arrives in May 1985. The Enterprise was a feature attraction at the 1984 world's fair site in New Orleans, LA.





Executives and senior editorial staffers of the Rocky Mountain News view exhibits in "The Gallery" at Waterton following a recent briefing by Norman R. Augustine, Denver Aerospace president. Pictured, left to right, Fitzroy Newsum, company public relations manager for civic liaison; Alan Gersten, business editor; Jean Otto, editorial page editor; William Fletcher, president and general manager; Ralph Looney, editor; Ben Blackburn, managing editor; and Arthur Koski, company public relations director.

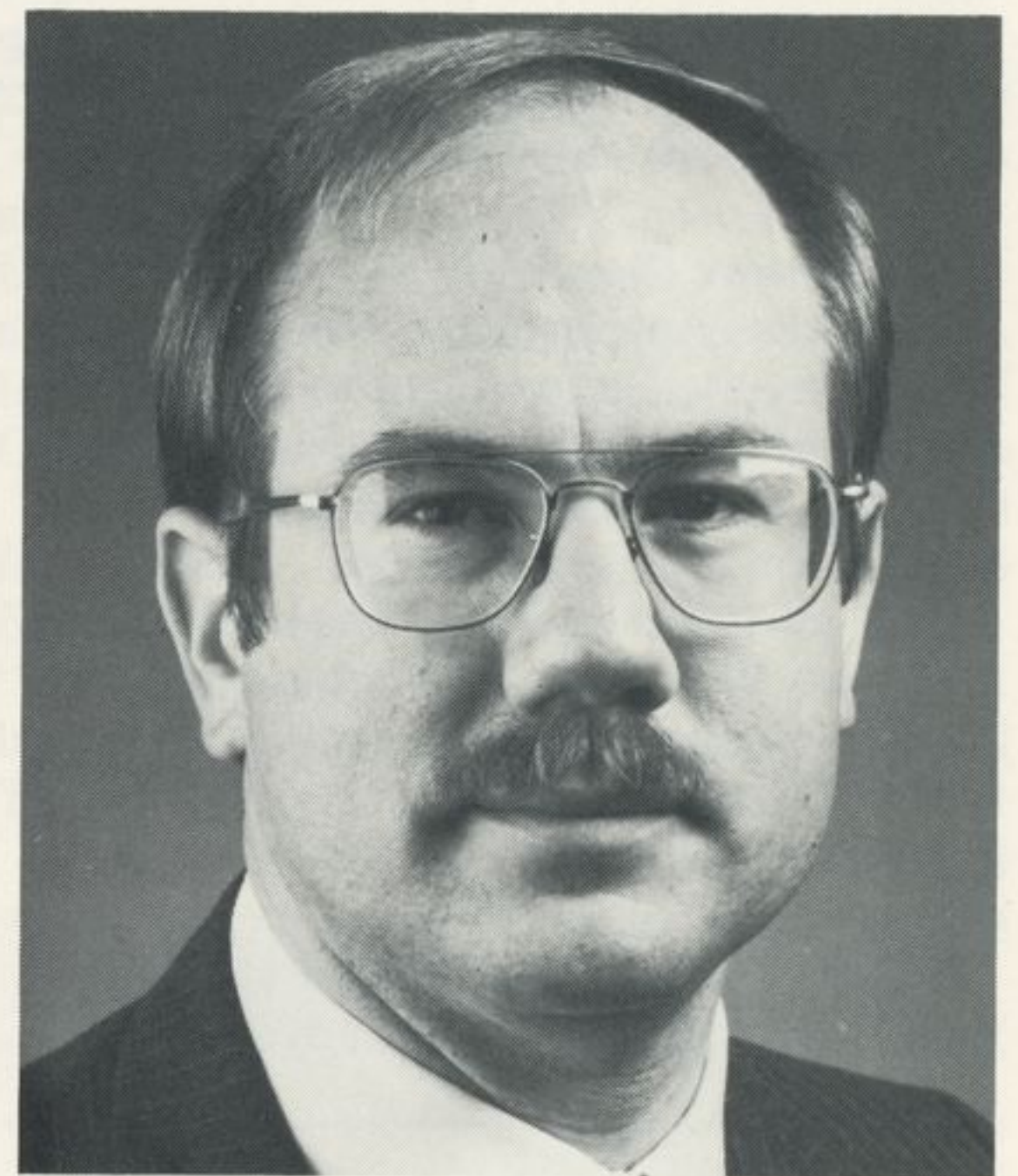
## Fierke named chief counsel

Thomas G. Fierke has been appointed chief counsel at Michoud to head the division's legal department.

Fierke has been manager of contract policy and review at the division for two years. He joined Martin Marietta at Denver in March, 1982 as manager of contract review and transferred to Michoud that same year.

Fierke, who holds a doctorate of law degree from the University of Minnesota, also received a bachelor's degree in metallurgical engineering from Iowa State University and a master of legal letters degree from Boston University. He was an attorney in the U.S. Army from 1971 until joining Martin Marietta in 1982.

A native of Boone IA, Fierke is a member of the National Contract Management Association, the Reserve Officer's Association, and the Special Forces Association.



Fierke

## Excellent rating given

# Space Division award goes to software validation group

The second contract award fee rating of excellent went for work on the inertial upper stage (IUS) independent verification and validation (IV&V) program.

The software validation program, headed by Kenneth Graham, received a rating of 94.9, the second excellent rating awarded by the Air Force Space Division since the program became an award fee contract in December, 1983.

Responsible for verifying flight soft-

ware for the IUS, the group of 75 employees works at two test beds at the main plant and at Greenwood Commons.

The test beds use prototype flight computers loaded with actual flight software, and perform real time simulation.

The IUS will be on board the next two Space Shuttle flights—its performance validated in advance.

### MARTIN MARIETTA NEWS

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Photography by Pat Corkery

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P O Box 179—Denver, CO 80201

January 11, 1985





**Company contributes to community.** Sally Perisho, curator of the Colorado Gallery of the Arts, Arapahoe Community College, accepts a \$3,000 donation from Martin Marietta, presented recently by Fitzroy Newsum, public relations manager for civic liaison.

## Association to aid career women

A new Career Women's Association at Denver Aerospace and Denver Data Systems will provide informal channels for professional planning and development.

Monthly meetings of the association will feature guest speakers and topics pertinent to career women, reports Anne Rackowski, publicity chairperson. The association also intends to promote understanding of company goals,

develop leadership skills, and encourage professionalism.

Jody Johns, director of human resources planning and development at Aerospace Headquarters in Bethesda, will speak at the kick-off meeting on February 18.

For information, contact Joyce Dame, membership chairperson, at mail stop 1326.



**Long-term service recognized.** Those honored for 30, 45 and 50 years with the company include, left to right, Eric L. Strauss -30 years, (Frances Strauss, seated); John J. Smialek-30; John E. Brandenburg-45, (Anna Brandenburg, seated); Robert G. Morra, vice president, technical operations, presiding over ceremonies; Robert C. Cary-30, (Lorna Cary, seated); and H. W. Guderjohn-50, (Evelyn Guderjohn, seated).

## Recreation

**ALPINE**—Rocky Mountain Alpine Club plans three intermediate cross-country ski trips in January: Sat., Jan. 12, Peaceful Valley-call Gordon Sampson, ext. 8277; Sat., Jan. 19, Henderson Mine-call Dan Hawkins, ext. 0727; Sat., Jan. 26, Rollins Pass-call Gordon Sampson, ext. 8277.

**COPPER CARDS**—Last chance to purchase \$5 card for reduced lift ticket prices, one free day of skiing in April, and additional discounts on rentals and ski school. Card available from the recreation office, main plant, or send name and home address, with check payable to Martin Marietta (include badge, dept and ext. on check) to mail stop 1321.

**JR. ACHIEVEMENT**—Advisors needed for spring semester; specific expertise needed in finance and production to complete spring team headed by Joseph Olsen. Training for new advisors: Jan. 23 or 26. JAs will meet Tues. evenings at Littleton High School, Feb. 12—May 28, 6:30—9:30 p.m. Call Lori Sharp, JA coordinator, ext. 6606, by Jan. 16.

**SKIING**—Satellite Ski Club plans two trips in Jan.: Vail, Jan. 13-call Jim Maeder, ext. 9694; and Breckenridge, Jan. 27-call Alan Rice, ext. 9474.

**SOCCER**—Team needs experienced soccer players for spring season. Call Robert Avjian, ext. 2997.

## New referral program begins

A new and improved version of the employee project referral program will start on February 15 and continue until July 1, 1985. Details will appear in the January 25 issue of the Martin Marietta News, including:

- cash referral bonuses
- shuttle launch trips
- a grand prize trip to Hawaii
- project referral notebooks
- a targeted skills list
- guidelines for qualified referrals

The current project referral program ends on February 14, 1985.