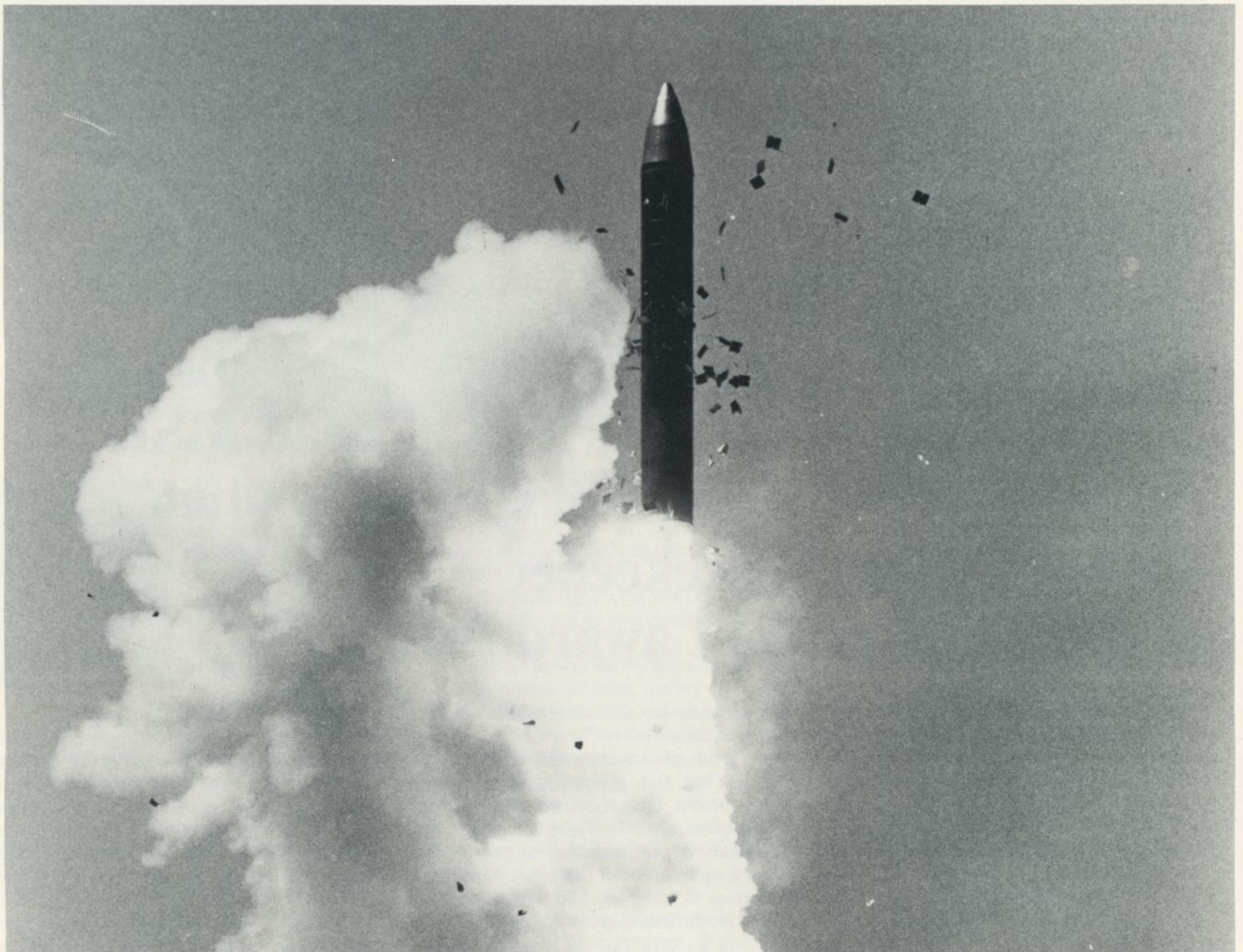


August 29, 1986

Number 17



## Peacekeeper scores 13th straight success

The U.S. Air Force successfully completed the 13th test launch of the Peacekeeper missile from Vandenberg Air Force Base, Calif. The missile was launched at 11:25 a.m. PDT, and flew 4,200 miles to a target area within the Kwajalein missile test range in the Pacific Ocean.

The Peacekeeper carried nine unarmed MK 21 reentry vehicles on its 30-minute flight, that also marked the first time the missile has delivered its reentry vehicles to two separate locations within the target area. In addition, the missile used in this test carried the exact same hardware as the operational missiles planned for deployment in the field.

As with all Peacekeeper test flights, the latest missile contained a command destruct package to ensure it could be safely destroyed if it strayed from the planned flight path.

Personnel from the Air Force operational test and evaluation center here and at F. E. Warren Air Force Base, Wyo., participated in the launch as part of the continuing Peacekeeper transition from a test to an operational system.

The Peacekeeper is a four-stage ICBM designed to modernize the U.S. ICBM force. When operational, the Peacekeeper will carry 10 independently targetable reentry vehicles with a range exceeding 6,000 miles. It is sig-

nificantly advanced over the existing Minuteman missile in range, accuracy, and payload capability.

All of the Peacekeeper flight tests, managed by BMO at Norton Air Force Base, have been designed to verify system performance. Test objectives of each flight have gradually shifted from component function performance to systems and operational objectives. Ongoing operational tests and evaluations are being conducted by the Air Force operational test and evaluation center at Kirtland Air Force Base, N.M. Initial operational capability of 10 Peacekeeper missiles at F. E. Warren Air Force Base is planned for December 1986. ■

# Corporation offers Titans for commercial satellites

Martin Marietta announced August 19 that it is offering a commercial version of the Titan space launch vehicle for sale to commercial satellite companies.

The company's initiative is in response to President Reagan's decision, announced last Friday, to encourage an increased role by the private sector in launching commercial satellites.

Martin Marietta is the only company in the United States currently operating a production line for space launch vehicles. As a result, first launch of a commercial payload could take place in early 1989, with regular operations thereafter to meet the growing backlog of current requirements, as well as future needs.

Initially, Martin Marietta will offer the Titan III launch vehicle to the commercial satellite community through commercial launch services contracts. The vehicle can accommodate all anticipated commercial requirements with minimal impact for spacecraft already designed to fly on the space shuttle.

The Titan III can deliver 32,000 lb into shuttle-type orbits and up to 12,500 lb into geosynchronous transfer orbit.

The Titan's satellite launch record is the best

in the world today, dating from 1966, with 129 successful flights in 134 operational launches of both military and scientific payloads into Earth orbits, as well as missions to the sun and the planets.

Thomas G. Pownall, corporate chairman and chief executive officer, said, "A commercial Titan assures the communications satellite industry that a viable American expendable launch alternative will be available to meet domestic and foreign needs for the foreseeable future."

"This commercial initiative will eliminate unnecessary federal expenditures for commercial launches and transfer the risks for launching commercial satellites from the government to the private sector," he added.

In anticipation of beginning commercial launch operations, Martin Marietta has made a formal request to the Air Force to use a launch complex at Canaveral Air Force Station, Florida, for this purpose.

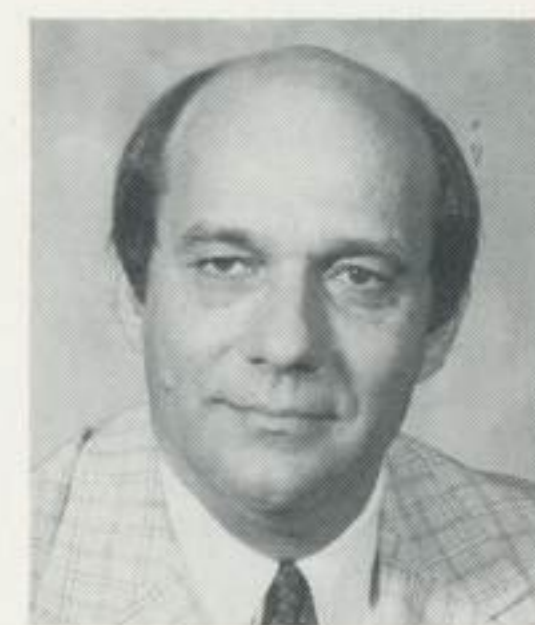
"The Titan's ability to launch multiple payloads and its demonstrated reliability, established business base, and growth potential assure a strong American presence in the future of space commercialization," Pownall said. ■



Artist concept of a Titan III commercial launch vehicle.

## Thompson to head MSFC

Dr. James C. Fletcher, NASA administrator, has announced the appointment of James R. Thompson as director of the Marshall Space Flight Center, Huntsville, AL, effective in late September.



Thompson, 50, has been the deputy director for technical operations at the Princeton Plasma Physics Laboratory since April 1983. From March to June of this year he served as the vice chairman of the NASA task force inquiring into the cause of the Space Shuttle Challenger accident. In this capacity, he headed the day-to-day operations of the 51-L data and design analysis task force, that collected and analyzed accident-related information to support the Presidential Commission on the Space Shuttle Challenger accident.

Before assuming his position at Princeton University, Thompson spent 20 years with NASA at Marshall, where he managed development of the space shuttle's main engines for eight years. He also worked on the Skylab program and was associate director of engineering for the center.

Upon announcing the appointment, Dr. Fletcher said, "We are very fortunate to have J.R. take on this assignment which is so critical to NASA's continuing position of leadership in space exploration. I view his appointment as another positive step in the process of safety returning the space shuttle to flight. His extensive and varied experience makes him eminently qualified to assume this post, and I know I speak for the entire agency in welcoming him back to NASA." ■

## Air Force gives Peacekeeper program 100 percent award fee

What Edward C. (Pete) Aldridge, secretary of the Air Force, has termed the "most successful intercontinental ballistic missile (ICBM) flight test program in history," has again set a precedent. The company has received a 100 percent award fee from the Air Force Ballistic Missile Office, the executive management agency for Peacekeeper.

Major General Aloysius G. Casey, BMO Commander at Norton Air Force Base, in a letter to Peter B. Teets, Denver Aerospace president, announced the Denver Aerospace award fee and said, "Your continued excellent performance in maintaining program schedules has contributed to a highly successful flight test program which continues to set standards of success."

"I salute the Peacekeeper team," said Teets. "Our performance continues to be outstanding. Two events within the last 10 days especially make the point—the first is the thirteenth successful flight test in a row; the second the award to the program of a 100 percent award fee—major recognition by our customer of our performance."

"Before the end of the year, the first operational missiles will be on duty at F.E. Warren Air Force Base—right on a schedule established more than seven years ago," Teets added. "Again, my congratulations to a team

that once again has demonstrated our commitment to mission success."

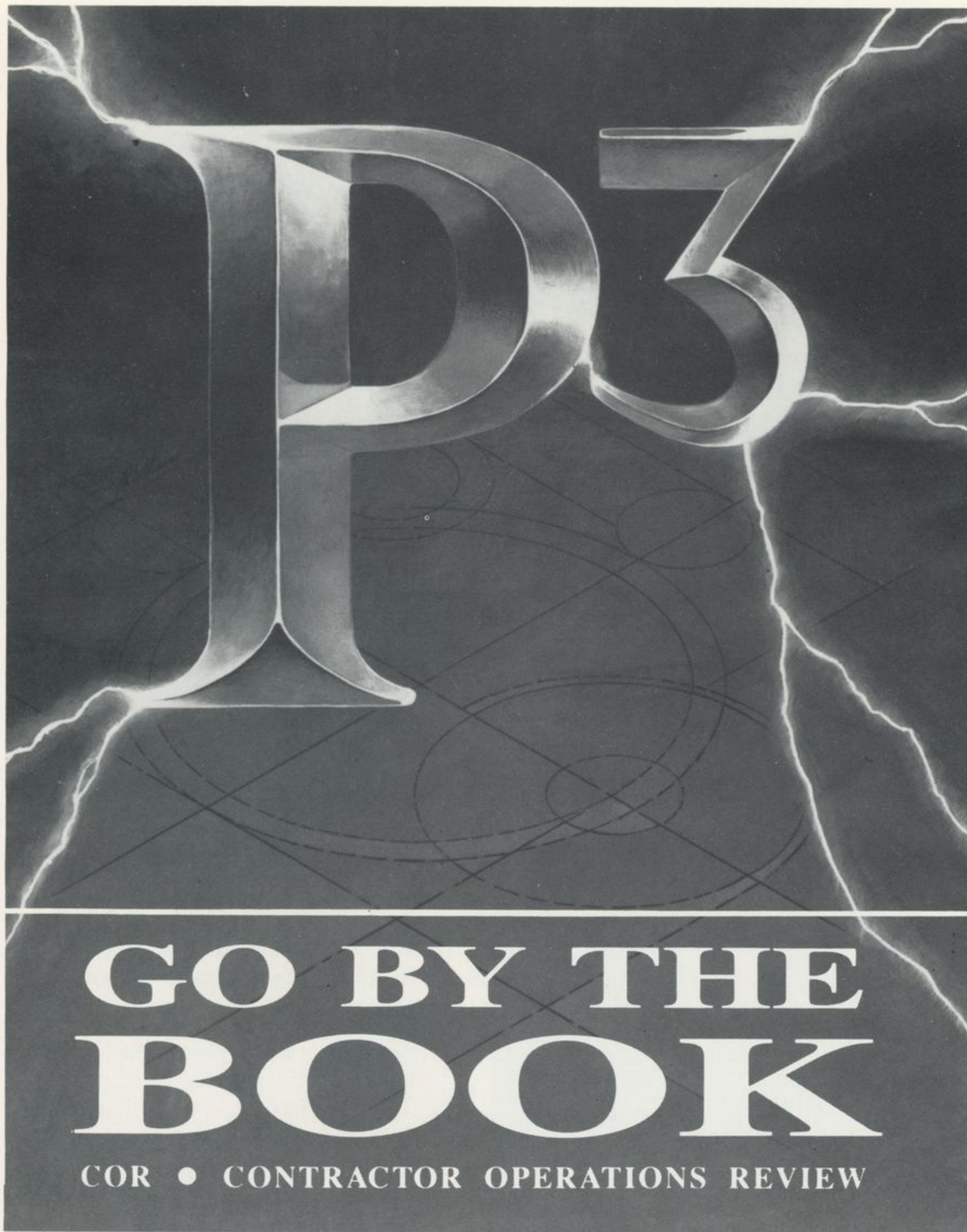
John P. Murphy, director of the Peacekeeper program, had high praise for all of Denver Aerospace. "It was a total effort from the entire team," he said. "Everyone involved—from the Vandenberg organization, to manufacturing, to the program staff in Denver—dedicated themselves to achieving 100 percent mission success on the Peacekeeper program this year.

"It was this team effort that produced quality products that consistently met Air Force critical need dates. I'm proud to be associated with the team."

The award fee, rated excellent, covers the period between August 1, 1985, and July 31, 1986. Denver Aerospace was assigned a principal role in developing the system by BMO, and is responsible for multiple development tasks under assembly, test, and system support (AT&SS) and basing studies contracts.

The Peacekeeper program includes more than 1200 employees from Denver Aerospace and 400 at Vandenberg Operations in California. The first award fee, also rated excellent, was 93.5 percent, and covered the period from 1984 to August 1985.

The August 23 test flight marks the fifth launch from an underground silo, and the 13th test flight since June 1983. ■



The new COR logo for Denver Aerospace emphasizes P<sup>3</sup> for the policy, procedures, and practices manuals that must be followed to assure compliance with contractual agreements.

## Go by the book—COR '86

*(Editor's note: Stanley F. Albrecht, vice president, Production Operations, is the Martin Marietta lead for the Air Force contractor operations review (COR), scheduled for October. In an ongoing series of articles, Albrecht explains the importance of the review and procedures to ensure a successful audit.)*

Our aim during the October contractor operations review (COR) is to demonstrate to the Department of Defense (DOD) that Martin Marietta is a top-flight aerospace contractor. We can do this by performing our job in the most professional manner.

The DOD, through the Air Force Contract Management Division (AFCMD), will look at the quality of our operations and the capabilities and attitudes of our employees.

The quality of our operations includes the effectiveness of our systems and procedures

and the adequacy of our facilities. We have invested a great amount of time, effort, and capital in developing a first-class operation.

The capabilities and attitudes of Denver Aerospace employees are beyond question. Our achievements in technology development, test successes, and delivery of quality products, together with our steady improvement in cost and schedule control, testify to the dedication and skill of our work force.

Our accomplishments and thorough preparation for this review should produce favorable results. We can assure this if we pay attention to these simple facts: do what the contract requires, and know and comply with contractual procedures.

An enthusiastic work force, knowledgeable about policies, procedures, and practices (P<sup>3</sup>) in their field, is essential to our success as a company. Your knowledge and willing participation are the keys to our success in COR '86.

## Spencer named to new post

Joseph C. Spencer has been named vice president of Business Development. Peter B. Teets, president, announced the appointment August 18, and said the appointment became effective immediately.



Spencer replaces Gareth D. Flora, whose appointment to corporate vice president for Business Development was announced earlier this month.

Spencer, a 26-year veteran of Martin Marietta, has progressed through a wide range of marketing and engineering positions and has worked in most of the product areas of Denver Aerospace.

His immediate past assignment was director of Business Development for Strategic Systems. Before that he was director of Business Development for Strategic and Launch Systems. In earlier assignments, he was director of Business Development in Michoud and director of Program Development for Space Systems in Denver.

Spencer holds a bachelor's degree in engineering from the South Dakota School of Mining and Technology and a master's degree in business from Rollins College, Winter Park, Fla. ■

## McCartney to direct KSC

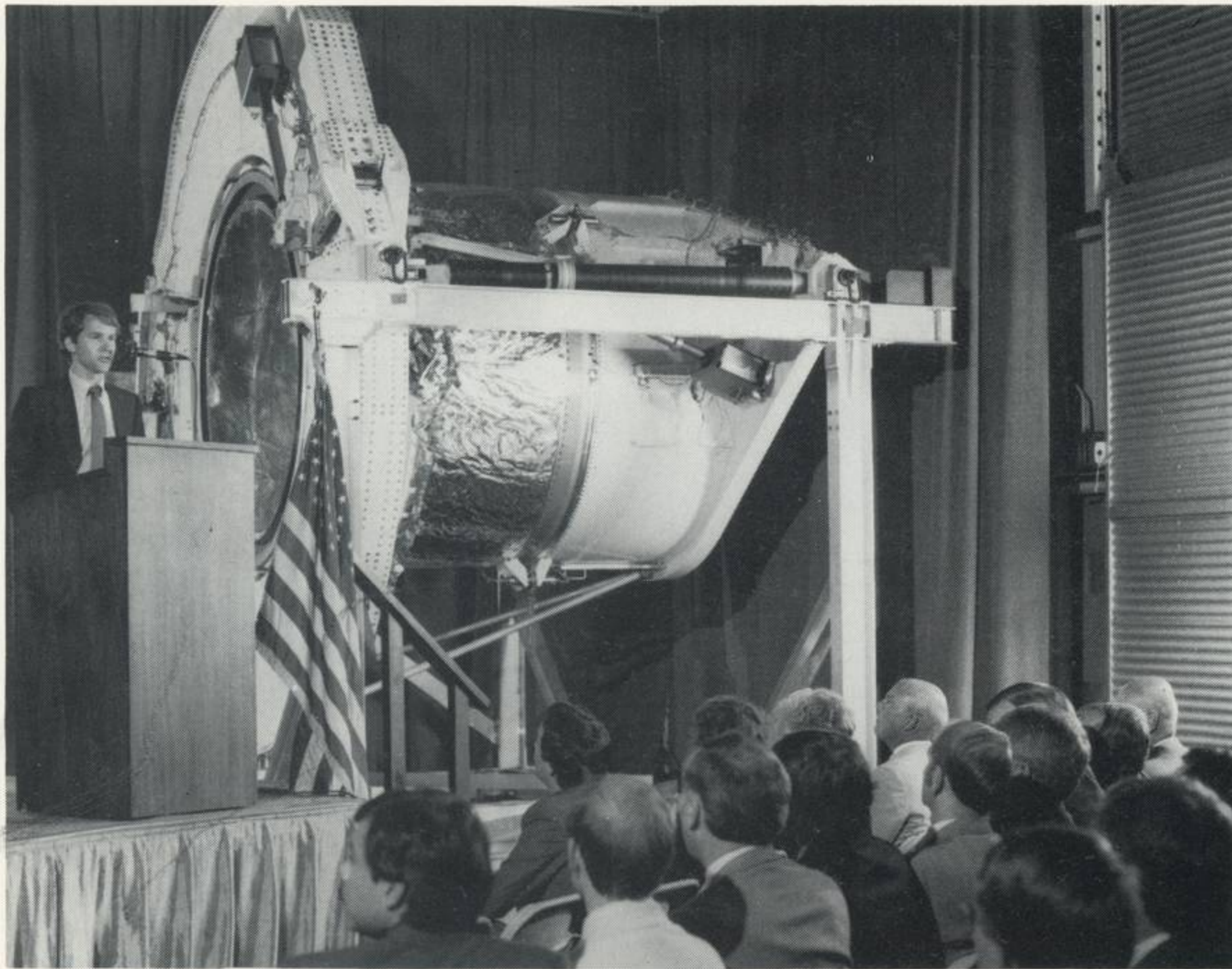
Lt. Gen. Forrest McCartney, commander of the Air Force Space Division, has been named director of NASA's Kennedy Space Center at Cape Canaveral, Fla.



Gen. McCartney will assume his new post Oct. 1. He succeeds Richard Smith, who took early retirement in July to move to a job in private industry.

Gen. McCartney has served as systems program director for the fleet satellite communications program at Los Angeles Air Force Station; as commander of the ballistic missile office and MX program director at Norton Air Force Base in Calif.; and as vice commander of the space division.

"General McCartney's close association with our nation's space program and his outstanding management record make him an excellent choice to become director of the Kennedy Space Center," NASA administrator James C. Fletcher said in a statement announcing the appointment. ■



David W. Thompson, president and cofounder of OSC, announces the successful culmination of TOS' three-year program during recent dedication ceremonies at the Denver Aerospace factory.

## OSC dedicates TOS vehicle

The first Transfer Orbit Stage (TOS) has been completed and was dedicated recently at special ceremonies at the Denver Aerospace factory. TOS is a new upper stage vehicle for satellites and spacecraft, and was built by Martin Marietta under contract to Orbital Sciences Corporation, Vienna, Va.

TOS represents the first space transportation vehicle developed entirely with private funds. It will be used to launch NASA scientific and exploratory spacecraft, DOD payloads, and commercial communications satellites.

The TOS recently was selected by NASA to be used as the upper stage vehicle for the Mars Observer mission and up to three other spacecraft programs beginning in 1990.

Mars Observer will be the first U.S. spacecraft to explore Mars since the Viking orbiters and landers launched in 1975. It will also inaugurate NASA's new planetary observer series of innerplanet and asteroid/comet probes. Mars Observer will be dedicated to obtaining geoscience (elemental and mineral composition, magnetic field, and surface elevation) and climatology (meteorological and atmospheric composition) data about the planet to supplement and extend results from Viking and earlier programs, and to provide data vital to future manned missions to Mars.

OSC is a four-year old, privately-held company with headquarters near Washington, D.C.

## Corporate news

### David T. Clous named corporate audit VP

Martin Marietta Corporation has elevated its corporate audit function and named David T. Clous vice president to head this function. Clous has been in charge of corporate audit as director since late 1983, reporting for the past year directly to Thomas G. Pownall, chairman and chief executive officer. A native of Pittsburgh, Clous holds a master's degree in business administration from Golden Gate University in San Francisco. He joined Martin Marietta in 1968 and served in a number of financial and audit positions before heading the corporation's internal auditing activity.

### Contract awarded for target system

A \$17.9-million demonstration contract was awarded to Martin Marietta by the U.S. Army to develop a target detection system mounted on a mobile 50-ft telescoping mast that can operate in all-weather, day-night conditions.

The elevated target acquisition system (ETAS) will be developed at Martin Marietta Orlando Aerospace.

## Teets stresses high ethical standards

In a recent letter to his staff, Peter B. Teets, Denver Aerospace president, noted that the appointment of David Clous to vice president, corporate audit, emphasizes the importance to Martin Marietta of the highest ethical standards. As head of the corporate audit department, Clous reports directly to Thomas G. Pownall, chairman and chief executive officer.

Teets expressed his personal support for improved control through the strengthened audit department. "The ultimate control must be our individual and collective conviction that ethical behavior is essential to our personal satisfaction, as well as to business success.

"We must promote that belief throughout the company, and miss no opportunity to set a personal example in matters related to business ethics.

"We, and the aerospace industry in general, can justify a position of trust in our society by demonstrating a sincere concern for ethics, and by supporting that attitude with effective methods of self-governance," Teets concluded.

## CAD/CAM product demonstrations set

Information systems will sponsor demonstrations of IBM's CAD/CAM products at the Denver Systems Center (DSC) in September.

Beginning the week of September 15, IBM will demonstrate computer-aided, three-dimensional interactive application (CATIA), a product development tool for such applications as advanced surfaces, kinematics, and numerical control, and computer-aided engineering design system (CAEDS), a tool for solids modeling and finite element modeling.

Sessions begin Monday, September 15, at 11:30 a.m. and run through the evening, with a 6:20 p.m. to 7 p.m. open forum, in Room G61, DSC. Employees should call 773-5930 to confirm attendance. For additional information, contact Jan Typher, 773-5489, or Don Ramm, 773-5499.

### MARTIN MARIETTA NEWS

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DENVER AEROSPACE

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August 29, 1986



Teets addresses Titan employees at the Waterton factory.

## Teets outlines Titan philosophy

"The Titan program, from the attitude and spirit of its individuals to the collective quality of the product, always has set the tone for the rest of Martin Marietta," said Peter B. Teets, president of Denver Aerospace, in a series of talks recently to all employees on the Titan program.

Teets addressed about 3,000 people involved with the Titan program at three separate meetings in Denver on August 25, and later that week at Vandenberg Air Force Base and Cape Canaveral.

Teets recalled the notable history of the Titan program, from the first Titan I to the new Titan IV vehicle now under construction at Denver.

"Our 22 years on the Titan III program now may be only the halfway point in our history," Teets said. "If we perform well, we very likely will be flying Titans for another 22 years, maybe more."

He noted that the company has contracts to build 23 Titan IV vehicles and to convert 13 deactivated Titan II ICBMs into launch vehicles, and that the company is bidding on a program to provide more Titan III vehicles.

"In short, the country needs Titans, and that

need is more important now than ever before in our history," Teets said.

Teets emphasized what must be done to prepare for the coming opportunities on Titan.

"First, we must revitalize the team spirit that served us so well in the past," he said.

"We cannot sacrifice quality and performance," Teets said. "... the most important thing, what matters most to me, is quality of the product. There is nothing more important than mission success."

Teets introduced a new motivational program called PACT—Pride, Attitude, Craftsmanship, and Teamwork—and urged that it become not just a motto, but a renewed philosophy.

"Make a pact today with yourself and everyone else on the Titan program. A pact to bring Titan back to the pinnacle of success we have enjoyed in the past. A pact to make the future of Titan even brighter than its history," Teets urged.

"We have a great opportunity now. We must not fail to recognize that opportunity and meet the challenges it presents," he concluded. "It is not just for Martin Marietta that we devote our efforts, it is for our country as well." ■

## Patent counsel advises visitors to Oak Ridge

All employees having business dealings with Martin Marietta Energy Systems, Oak Ridge, Tenn., should know that because of Department of Energy contractual requirements, the government will obtain unlimited rights to data. This includes Martin Marietta proprietary data that are disclosed to or left with Energy Systems employees.

Unlimited rights permit the government to disclose, publish, or otherwise make use of the data in any way it wishes. Protection of the data is available only in certain circumstances.

Before disclosing proprietary data to any Energy Systems employees, contact the Denver Aerospace patent counsel's office, Ext. 7-6109. ■

## Insurance cards need jackets

The benefits office reminds employees enrolled in the Martin Marietta Group Medical Plan (Connecticut General) to carry the blue insurance coverage cards inside plastic jackets provided by the benefits office.

The jackets cover preadmission certification/continuing stay review (PAC/CSR) cards, and provide important reminders to patients and hospital personnel before hospitalization.

Martin Marietta has an agreement with the Sloans Lake Medical Group Preferred Provider Organization (PPO) for salaried and United Plant Guard Workers of America (UPGWA)-represented employees. All physicians who are part of this group (more than 750) have accepted responsibility for initiating the PAC/CSR process for any hospital admission. This means that the PPO doctors have the PAC/CSR material in their offices, and if they fail to obtain PAC/CSR, no \$300 penalty will be charged to the employee.

In case of an emergency hospital admission, or for plans that do not offer a PPO, it is not always possible to use a PPO doctor. With emergency hospitalization, (unless the patient is discharged within 48 hours) the patient, a family member, the doctor, or a hospital member needs to notify Intracorp within 48 hours or on the first business day following admission to the hospital. This allows Intracorp to do the PAC/CSR that assures payment for the stay and avoids the \$300 penalty.

The benefits office recommends that each member carry a PAC/CSR jacket with them. Jackets are available through the employee benefits office in the Engineering Building, Room 125, m/s 1343.

## Badges required at headquarters

Effective immediately, all individuals entering Corporate Headquarters, Bethesda, Md, are required to wear an identification badge. Employees arriving without their picture badge must obtain a temporary badge from the first floor receptionist. Badges are to be displayed on the upper left side of the outer garment.

If access to classified information is required, please remember that a visit request must be processed in advance through security. ■

## 30-35 years' service honored



Employees who marked their 30-to-35 years of service at Martin Marietta in May and June 1986 were honored recently at the second of four service recognition luncheons scheduled this year. Stanley F. Albrecht, vice president of Production Operations, presided. Standing, left to right, are Albrecht, Kenneth Kline, Bevan Percell, Byron Fowler, Mike Sakurai, Elmer Alexis, Al Viola, Fred Luhman, Allan Strange, Merlin Howard, George Damstedt, Allan Hagelin and Beryl Wallace. Seated left to right, Donald Wainwright, Gerald Hollenbeck, Rodney Weuve, John Van Pelt, Judy Simonson, Jim Hagan, Dean Edwards and Charles Bennett.



Standing, left to right, are Albrecht, James Leary, Kenneth Menges, Mark Mueller Jr., William Bostrom, Walter Hart, Norman McKanna, Norm Wright, James Tomlin, Myron Andersen and Robert Crouse. Seated, left to right, are George Nightingale, James Smith, John Hurley (35 years), Al Cole (35 years), Santo Bertuzzi (35 years), John Wilson, Claxton Rea and Benjamin Rotruck. Honorees not pictured are James Watson (35 years), George Hockman, Morris McLain, Lonnie Farmer, Ralph Seeber, Douglas Hart, John Bitzer, Henry Adams, Rodney Loghry, Bill Bollendonk, Jr., Wilmer Kinning and Gene Kretz.

## Denver Aerospace to host next NSIA subcommittee meeting

Denver Aerospace finance will host the next meeting of the National Security Industrial Association (NSIA) management systems subcommittee at the Denver Hilton Inn Southeast September 23-24.

The management systems subcommittee includes representatives from member companies primarily engaged in government support services. The subcommittee provides a mechanism for establishing close working relationships between member company representatives and their government counterparts. The areas in which the management systems sub-

committee has an interest in playing lead or supporting roles are: management control systems, cost and schedule reporting systems, program management, contractor surveillance, and work breakdown structures.

Meetings are usually held every other month at various aerospace contractor facilities throughout the country. This is the first time that Denver Aerospace will host a meeting. Representatives from as many as 40 different aerospace companies are expected to attend, as well as guest speakers from Air Force Systems Command. ■

## Employee services/ recreation

**Auto Emission Testing**—Testing at work locations will be held Sept. 8-10 at the following sites: Monday, Sept. 8, Waterton facility; Tuesday, Sept. 9, Greenwood Commons and Littleton Systems Center (LSC); and Wednesday, Sept. 10, Denver Systems Center (DSC). Detailed schedules and designated drop point information are in all recreation racks. Car keys must be left at drop points before 8:30 a.m.

**Public speaking**—The LSC Toastmasters meet at noon every Thursday in Room 103 at LSC.

**Riding**—The Ridge Riders Saddle Club will meet at 7 p.m. Tuesday, Sept. 2, in the club meeting room at the recreation area.

**Riding**—The Ridge Riders Saddle Club will have the annual Open O-MOK-SEE, at 1 p.m. Sunday, September 7, at the Ridge Riders Arena on Martin Marietta property. Registration for events such as pole bending, keyhole, flag race, barrels, and a special event will be held at noon. This event is open to all employees, their families and friends.

**Amateur radio**—The Waterton Amateur Radio Society will meet at 5 p.m. Tuesday, Sept. 2, in the Hamshack, west side of recreation area.

**Chess**—The Chess Club will meet at 6:30 p.m. Wednesday, Sept. 3, at DSC I, second floor snack room.

**Hunting**—The Skyline Hunting and Fishing Club will meet at 5 p.m. Monday, Sept. 8, at the club meeting room in the recreation area.

**Archery**—The Red Rock Bowmen Club will meet at 4:45 p.m. Tuesday, Sept. 9, in the club meeting room at the recreation area.

**L5 Society**—The L5 Society will hold an organizational meeting to form a Martin Marietta chapter at 5 p.m. on Wednesday, Sept. 3, in the presentation room at SouthPark West. The program will feature a videotape entitled "Pioneering the Space Frontier," and Fitzroy Newsum, manager, public relations, will discuss chapter projects such as starting Young Astronauts chapters in local schools. Spouses are welcome at the meeting; normal security badging procedures will apply. The L5 Society is a nonprofit educational organization that promotes the development of space. For more information, leave a message at 388-2368.