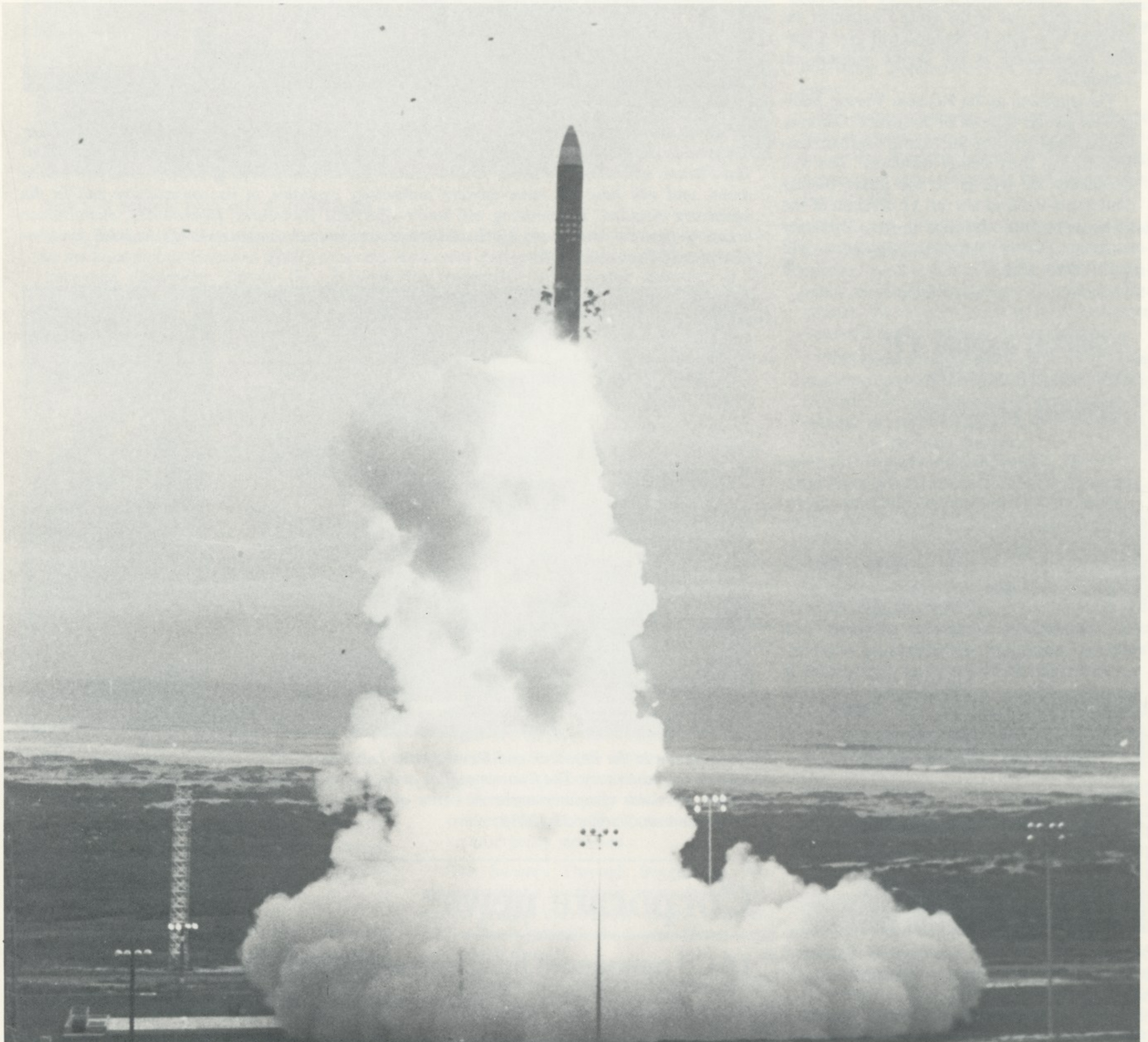


March 14, 1986 Number 5



Peacekeeper score 11 for 11 after launch

The Air Force announced completion on March 7 of the 11th test flight of the Peacekeeper intercontinental ballistic missile from Vandenberg Air Force Base, CA.

The missile was launched at 1:40 p.m. PST to a target area in the Pacific Ocean.

This flight marks the third time a Peacekeeper test missile was successfully launched from a modified Minuteman silo. The first eight test missiles were launched from above-ground canisters at Vandenberg. The remaining nine test launches will be from silos.

This flight was designed to analyze the functional performance of missile systems, including propulsion, reentry, guidance and control, instrumentation and flight safety, and launch facilities. ■

News briefs

Astronaut presentation to benefit children of Challenger's crew

Air Force mission specialist Gary Payton, who flew space shuttle mission 51-C with Ellison Onizuka, one of the seven Challenger astronauts who died in January, will give a special presentation of his shuttle mission on March 24.

The program, at the Houston Waring Auditorium on the campus of Arapahoe Community College, will be for Martin Marietta employees and their family members. The \$10 attendance fee will go to the Space Shuttle Children's Fund to aid the 11 children of the seven astronauts who died in the Challenger accident. Martin Marietta Corporation will match these gifts. ■

Adamoli named VP for small missile AT&SS program

John R. Adamoli has been named vice president and program director for the small intercontinental ballistic missile (SICBM) assembly, test, and systems support program. He was formerly program director for the SICBM program. The appointment is effective immediately.

Adamoli, who joined the company in 1971, has served in a number of positions with Denver Aerospace and previously was program director for Peacekeeper deployment. In his new position, he will continue to report to James A. Sterhardt, Jr., vice president for Strategic Systems. ■

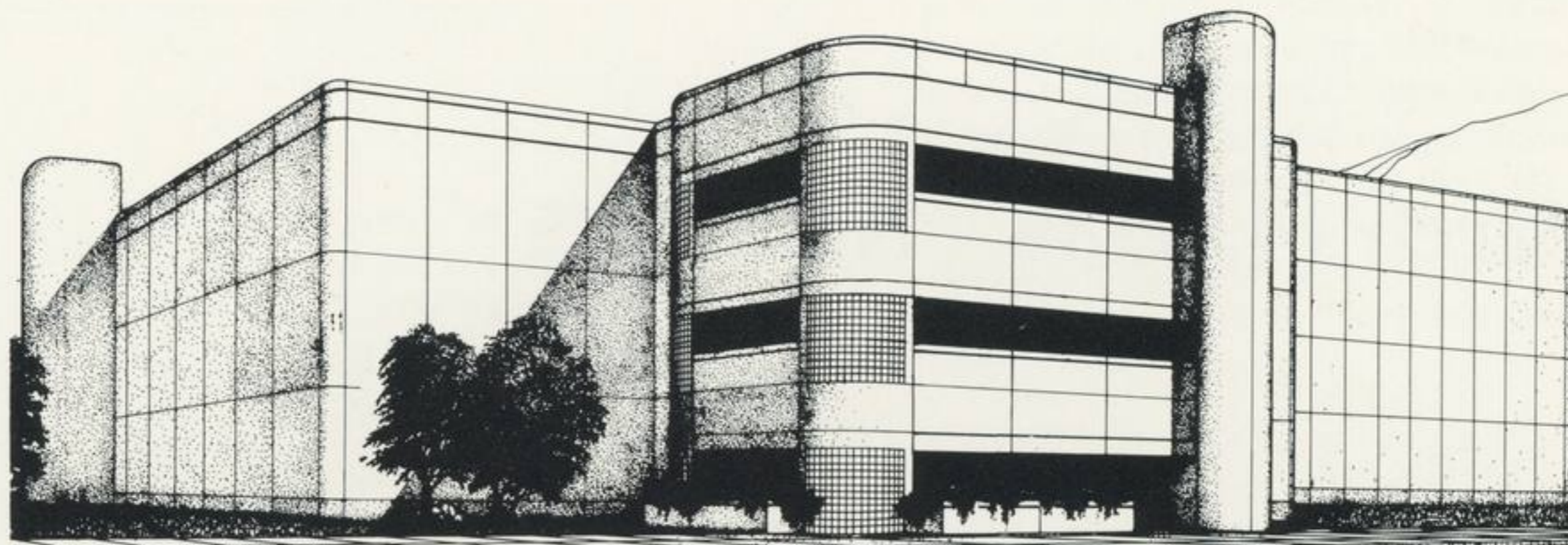
Organizational changes announced in personnel, business management

Organizational changes have been announced by the vice presidents of Personnel and Facilities and Business Management, effective March 17, 1986.

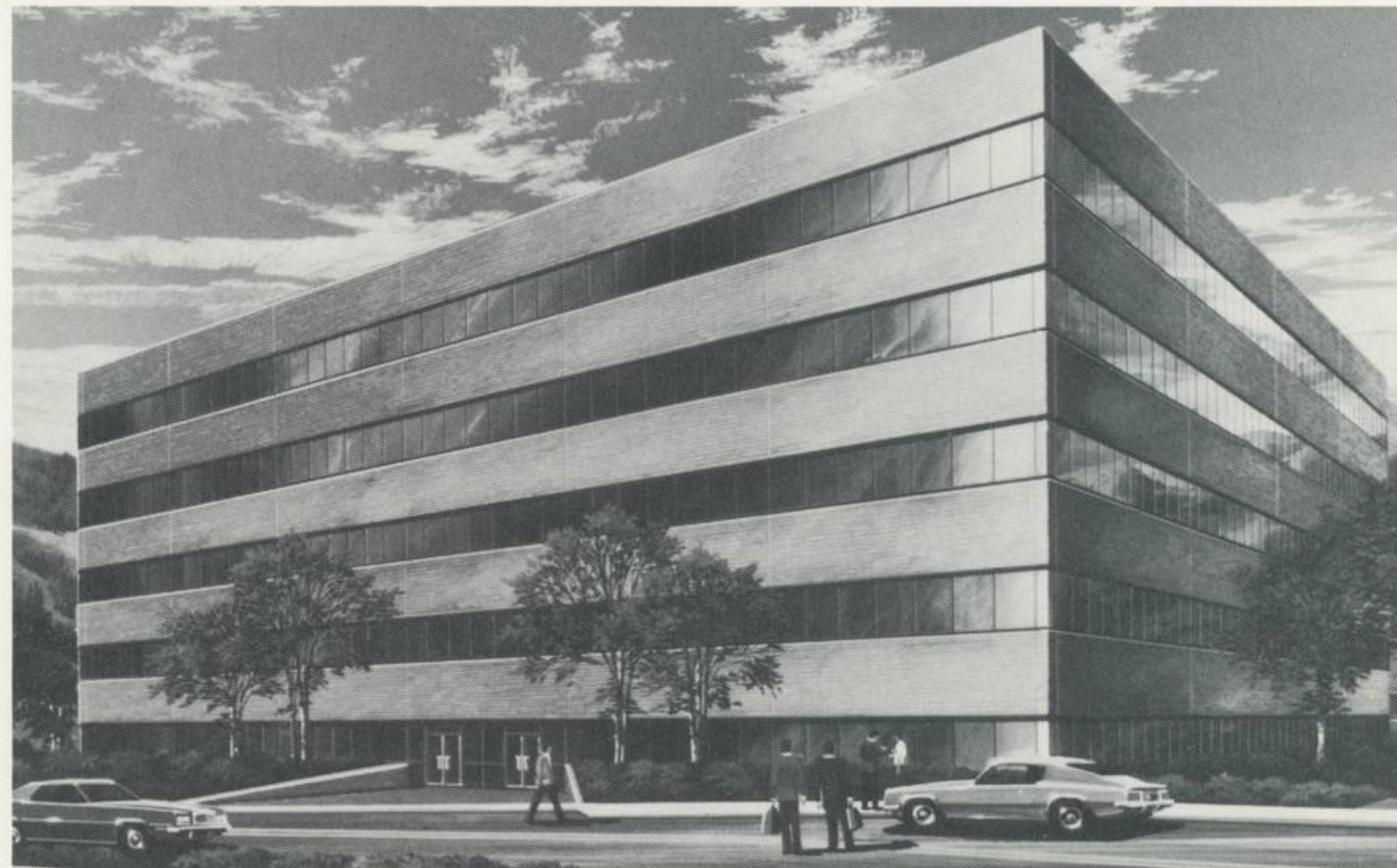
The capital planning function has been transferred from Personnel and Facilities to Business Management, and will be directed by Robert H. Snodgrass, who will report to Steven E. Story, vice president, Business Management. The remaining facilities functions will continue to report to Richard E. Weber, vice president, Personnel and Facilities, and will be directed by Bobby R. Cooke.

Snodgrass, who joined the company in 1958, previously was director of Facilities. Cooke joined the company in 1959 and previously was director of subcontract management for the SICBM program. ■

New construction expands Waterton facilities



An architectural rendering shows the Advanced Technologies Facility, a modernistic building designed by the facilities engineering department. The facility, to be constructed north of Vertical Test Fixture, will consist of about 75,000 square feet of laboratory, office, test, and fabrication areas, and will have the most modern technology available in its construction and in the equipment installed. The building will house TEMPEST enclosures, laboratories, maintenance areas, conference rooms, and office environments. General construction is scheduled for completion on October 31, 1986.



The addition to the Research and Development Laboratory (RDL) is being constructed north of the existing laboratory. The five-story office and laboratory space will encompass about 150,000 square feet with computer areas on three of the five floors. The building is scheduled for completion on October 31, 1986.

Corporate news

I&CS announces business management appointments

Maurice Serotta has been named Denver I&CS director of business management. He will be responsible for contracts, materiel and subcontracts, and financial functions, as well as business management functions associated with various product areas. He will report to Albert E. Hawkins, vice president, Denver I&CS.

John R. Bigelow has been appointed director of finance for Denver I&CS, reporting to Maurice Serotta. Bigelow was finance manager for the Air Traffic Control division in Washington, D.C.

Corporation declares quarterly dividend

Martin Marietta Corporation's board of directors authorized a quarterly cash dividend of 25¢ per share on the company's common stock, payable March 31 to holders of record at the close of business March 10. The action continues the rate on Martin Marietta common, effective in the second quarter of 1985, of \$1 on an annualized basis.

New Technology and Inventor awards granted

The following Denver Aerospace employees have been granted cash awards by the Denver Intellectual Property Review Board for their inventions:

- Clark W. Johnson, engineering mechanics, "Co-Cure in Place Electrical Isolator Solar Cell Substrate Material";
- Christopher D. Tillman, electronics, "Standard Payload Circuit Protection";
- Dr. Benton C. Clark III and Patrick S. Thompson, electronics, "Comet Dust and Ice Detection Using a Piezoelectric Transducer."

The following employees were granted cash awards by the Denver Aerospace New Technology Evaluation Committee for their new technology disclosures submitted as a result of work on NASA contracts and subcontracts:

- Terence Coxall, engineering mechanics, "Transmission Line Deployment Concept";
- William H. Willcockson, systems engineering, "Closed-Loop Aerobraking Simulation";
- Kenneth E. Falkner, engineering mechanics, "Folding Aerobrake for the Orbital Transfer Vehicle (OTV)";
- Steven G. Carson, systems engineering, "Effects of Space Station Orbit Precession on Planetary Mission Performance Requirements for Space-Based Reusable OTVs."



Clark Johnson is shown with a sample of the substrate material used in the manufacture of large solar panels. His concept results in time and cost savings.



Terry Coxall, seated, describes his design for space environment deployment of electrical transmission lines. Standing, left to right, are W. S. Paulson, director, engineering mechanics; K. L. Fogg, manager, stress; and W. D. Miller, project manager of the G A Technologies subcontract entitled "Conceptual Design Studies in Support of the Technology for Advanced Space Power (TASP) Program," under which Coxall's disclosure was submitted.

Ceremony held to honor top IR&D researchers

Peter B. Teets, Denver Aerospace president, recognized significant contributors to the 1985 Independent Research and Development (IR&D) program at an awards ceremony February 21.

Dale Fester, chairman of the Propulsion-Aerothermal Panel, received an award for having the highest scoring technical panel.

Award checks went to the following principal investigators (PI) for the indicated IR&D projects: Rex Agler, Rapid Retargeting Technology; John Anderson, Cryogenic Fluid Technology; Fran Bergonz, Orbital Maneuvering Vehicle; Dick Broderick, Classified Research Project; Lorne DeSize, Classified Research Project; Glen Dickman, OTV Tech-

nology Assessment; Jim Gliozzi, HML Concept Study; Bob Hardin, Classified Study Project; Dave Nichols, Surveillance, Tracking, and Pointing Study; Ed Scholz, Advanced Propulsion Concepts; and Frank Turner, Advanced Missile Hardening.

Ron Bena, IR&D program manager, said that honorees were selected based on the IR&D projects' government score, potential for new business, importance of the technology, and overall performance by the principal investigator.

"These top-ranking IR&D principal investigators will attend Denver Awards Night, at which time one will be named the PI of the year," Bena said. ■



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Strategic Systems supervisors complete supervision training

Supervisors from Strategic Systems recently completed the Impact supervisor training program.

Impact is a 20-hour basic supervision program and is offered as Part II in Strategic Systems' supervisor training program. Part I of the program focuses on the operations of Strategic Systems.

Don Brodie, a manager with human resources development working with Strategic Systems, described the Impact program as a "way to train supervisors and future supervi-

sors in basic skills upon which excellent supervision is based."

Of the 37 completing the program, nine volunteered to receive training that will enable them to serve as future instructors. After attending a three-day workshop, several will be selected to present the program to other Strategic Systems employees.

One hundred employees are participating in Part I of a continuation of the division's program and 75 are scheduled for Impact training, which will begin March 24. ■

Software demonstrations scheduled at Waterton

Sun Microsystems will visit Martin Marietta March 18-20 with the following demonstrations:

- CAETEC, Caetec Software, Inc—comprehensive engineering software;
- SunPro SunViews, Sun Microsystems—programming and window development tools;

- RuleMaster, Radian Corp—60 MegaFlop supercomputers (March 18 and 19 only).

The systems will be demonstrated from 10 a.m.-4 p.m. March 18 at the Waterton facility, Engineering Bldg, room 222; noon-4:30 p.m. March 19; and from 9 a.m.-1 p.m. March 20 at the Littleton Systems Center Software Center of Excellence. ■



Vandenberg Operations hosts Boy Scouts

Boy Scouts receive firsthand information on aerospace industry programs at Vandenberg Operations, CA. Standing, left to right, are Walter R. Hoskins, host; Gary Sheley, Tim Kuncl, Bud Kirk, host; and Sean Southworth and Tony R. Castro. The three Scouts visited Vandenberg Operations as part of the Boy Scouts Mission Council Career Day to learn about possible careers in business and industry.

1986 CWA community project planned

The board of directors of the Career Women's Association (CWA) has approved participation in the Colorado Special Olympics (CSO) Spring Games as the community service project for this year. A CWA spokesperson said the board is excited about this opportunity to contribute to the community and requests the help of employees.

The Colorado Special Olympics Spring Games will be on May 18 and 19 at the Air Force Academy near Colorado Springs. Athletes spend two full days at the academy, even though they may only participate in one or two

events. The CSO has asked the CWA to organize and run a carnival that would operate during the two days of competition. Participants can attend the carnival when they are not competing.

Employees who enjoy working behind the scenes or mixing with the public are needed. The organization meeting will be held at 5 p.m. on Tuesday, March 18, in the employment orientation room at Littleton Systems Center on Mineral Avenue.

For further information, call Donita Wolters, ext 7-4742. ■

Employee parking rules tightened

Plant protection urges employees to park only in designated areas.

Parking private vehicles along the driveway to the north door of the factory and next to the factory poses a potential hazard to the safe movement of sensitive and valuable hardware. Any illegally parked vehicle can impede the safe maneuvering of semitractors and other large vehicles.

In addition, illegal parking in areas such as designated fire lanes, loading docks, and hazardous material storage areas not only impedes movement of emergency vehicles but can present life-safety hazards.

More athletes needed for Corporate games

Participants are needed for the sixth annual Denver Corporate Games—a fundraising event to benefit the Colorado Special Olympics.

Tryouts will be held soon to select the company's team. More than 30 companies will participate in Denver on June 6th and 7th. (Volleyball and tennis begin in the evening on June 6—all other events will be held June 7.)

Employees may try out for more than one event but can represent the company in only one event. Participants must be Denver Aerospace, Data Systems, or Information and Communications Systems (I&CS) employees.

The events are as follows:

5k Race	Swimming
Track	Bicycle race
Tennis	Bowling
Racquetball	Golf

Coed volleyball participants will be selected from the current coed competitive league.

Employees can obtain entry forms from recreation racks next week. ■

MARTIN MARIETTA NEWS

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Editor Jan P. Timmons

MARTIN MARIETTA

Call Ext. 5364 with information or suggestions for articles, or call one of the following coordinators.

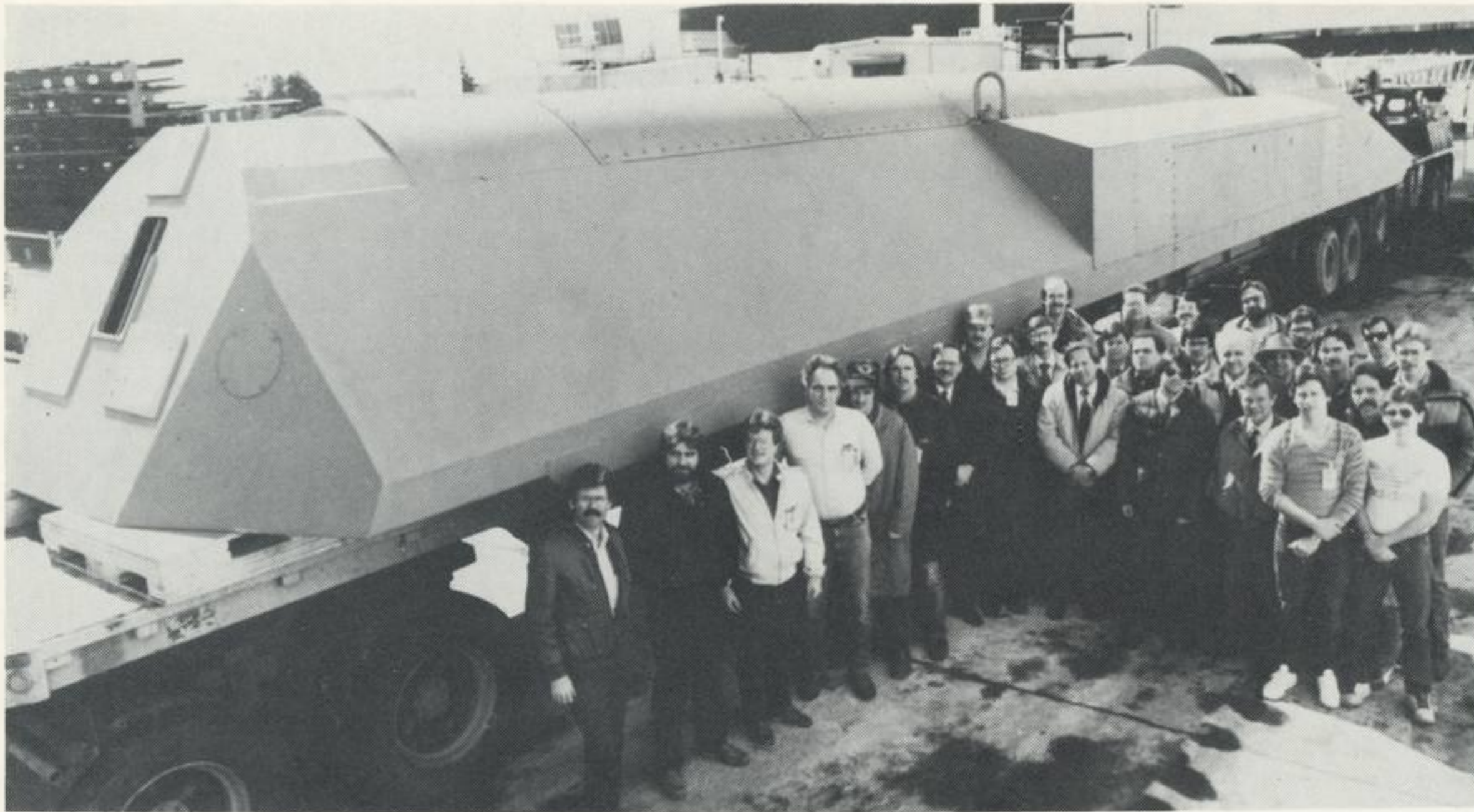
Business Management	Daphne R. Gillison	3155
Business Development	E. W. Andrews	4619
Defense Systems	Norma I. Emerson	1-8089
Legal	Allison E. Coulter	6087
Personnel/Recreation	Leroy Hollins	6750
	Lori A. Sharp	6605
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Space Launch Systems	John H. Pond	1037
Space Station	David J. Hughes	1-5946
Space Systems	Robert I. Curts	3639
Strategic Systems	Richard L. Kline	7475
Technical Operations	Floyd R. Teiffel Jr.	6872
Canaveral Operations	Robert V. Gordon	9108
Vandenberg Operations	Robert L. Ruck	2202

Prepared and produced by the publications department

DENVER AEROSPACE

P.O. BOX 179—Denver, CO

March 14, 1986



New test vehicle rolls out at Baltimore

Martin Marietta Baltimore Aerospace workers are pictured with the second full-scale test vehicle for the hard mobile launcher (HML) program. Baltimore Aerospace, teamed with Denver Aerospace and Caterpillar Tractor Co., is primarily responsible for structure assembly of the launcher for the HML basing program. The new hardness configuration was delivered to Caterpillar in Peoria, IL, which will add its belted treads and suspension system. The vehicle then will be delivered to the Yuma, AZ, proving grounds for additional testing.

Employee suggestions top 300

The new Success Through Suggestions Program reports receiving more than 300 suggestions from employees in the Denver area as well as Vandenberg Air Force Base, CA, and Cape Canaveral, FL.

"As members of the National Association of Suggestion Systems (NASS), our program progress is said to be right on schedule," said Carol Romero, administrator of the suggestion program. "NASS provides its membership with general operations information, statistics, and standards to measure program performance."

The first intangible suggestion awards were issued to the following employees:

- Wayne Coffelt in production operations proposed painting a safety crosswalk at the intersection between the GPL and RDL parking lots. A service request was issued to accomplish this task. The suggestion will enhance employee safety.
- Marilyn Reitz, in an effort to reduce the accumulation of excess paper in her area, recommended reducing automatic extra weekly tab runs. Now report recipients may specify the number of copies they need because Reitz suggested the implementation of the automatic distribution system for HRDB reports. Reitz also works for production operations.
- Kenneth Ott, who is badged to production operations and assigned to defense systems, submitted a suggestion involving the quality control system. He redesigned the Recapp and Movement Authorization Sheet (DEN D60686A) for continuation capacities. The new form was more adequate for recording lengthy reports.

- D. L. Bliss of technical operations is assigned to the small ICBM in strategic systems. His idea resulted in the vending contractor placing decaffeinated soft drinks in his facility.
- To improve communication, Richard Tomaskovic of strategic systems suggested that the Suggestion Program office telephone number, 977-IDEA, be provided on all suggestion boxes, along with the mail stop, 0092.
- The electrical crane disconnect boxes in the first and second floor factory areas were not clearly or consistently marked, according to Frank Kranz in production operations. A service request is underway to identify and clearly mark the crane disconnects to preclude a potential hazard in an emergency situation.

"The Success Through Suggestions Program provides a systematic means for employees to present constructive ideas," Romero said. "Don't just talk about your ideas; write and submit them!"

Conserve copies

New office copiers have arrived, and the publications and services department offers the following reminder:

Follow the instructions displayed on the machines to control the number of copies. "One less copy per work day in 1986 for each employee would save approximately \$50,000 in overhead costs," Tom M. Crawford, director of publications and services, said.

"Please limit your copies as much as possible."

Voice/data network expansion completed

Northern Telecom has announced completion of a \$7.7 million communications network extension at Denver Aerospace to accommodate the growing number of employees.

Northern Telecom installed integrated services networks and expanded Martin Marietta's business communications system to serve more than 22,000 lines. Northern Telecom also extended Martin Marietta's eight-mile fiber-optic communications network to 22 miles.

The network provides high-speed voice and data communications at 135 megabits per second to the Waterton facility. It also has been extended 14 miles to include the Littleton Systems Center.

One system, located at the Greenwood Commons facility, is used for voice communications. Another links the IBM personal computers and Digital Equipment Corporation terminals for approximately 170 software engineers at the Littleton Systems Center.

"The system has expanded with our growing employee population, providing us with the fast, reliable communications essential to the success of our company," said Robert H. Snodgrass, facilities director.

Service anniversaries

Employees at Denver Aerospace with 30- or 35-year anniversaries in the first quarter of 1986 are:

Name Service date

35 Years

Ralph Stansbury	01/03/51
James Orem	01/04/51
Charles Rissmiller	01/17/51
Vern Morris	01/22/51
Mike Kardos	02/08/51

30 Years

Maurice Serotta	01/09/56
Tom Dickson	01/15/56
Carl Hegarty	02/06/56
Edward Clas	02/15/56
Jerry Allen	02/16/56
Tibor Buna	02/17/56
Lois Flohr	02/27/56
George Scheirman	03/05/56
Edgar Jeffres	03/12/56
Robert Demoret	03/12/56
Richard Seibel	03/14/56
David Davidson	03/16/56
Raymond Opper	03/19/56
Clayton Wilcoxson	03/19/56
John Prock	03/19/56
Reed Dunbar	03/21/56
William Smull	03/26/56

Employee services/recreation

Public speaking—LSC Toastmasters meet every Thursday at noon in room 103 at LSC. Contact Kathy DeWitt, ext 7-2555, or Terry Allen, ext 7-2358.

Hunting—Hunter education classes will be held at DSC I (Wadsworth Bldg) from 7-9:30 p.m. March 18, 19, 20, 21, and 24, and from 8 a.m.-12:30 p.m. at SH & FC Range on March 22. Students must attend all six classes. The cost is \$7. No preregistration is necessary, but there must be a minimum of 10 students. The course is required now for all trappers. For further information, contact Dick Benson, ext 7-5241 or 985-3728, or the recreation office, ext 7-6605 or 7-6750.

Skiers—The Rocky Mountain Alpine Club plans the following activities:

- 3/15—Deer Creek, beginners and intermediate cross-country. Contact Bill Dalton, 790-3404.
- 3/22—South Park, beginning cross-country. Contact Larry Espelage, ext 1-8527.

Community activity—The Career Women's Association 1986 community service project will support the Colorado Special Olympics Spring Games, May 18 and 19, at the Air Force Academy. Join CWA members at 5 p.m. Tuesday, March 18, in the personnel orientation room at LSC. Call Donita Wolters, ext 7-4742, for more information.

Loans—The Red Rocks Federal Credit Union offers the following new rates on new vehicles:

- 10 percent—36-month financing
- 11 percent—48-month financing
- 12 percent—60-month financing

The Credit Union will lend up to 80 percent of the selling price on the new vehicle.

For some, it may be home improvement time. The credit union has a home equity loan that can be a convenient line of credit for up to \$35,000. The current interest rate is 13 percent. Loans can be financed for up to 15 years. Call ext 7-6000 for details.

Computers—The Martin Marietta Commodore Users Group meets at 5 p.m. on the third Tuesday of each month at the recreation area clubhouse. At every meeting members have access to the software library and can purchase name-brand diskettes at a \$1 discount. For more information, contact Les Medlock, club president, ext 7-2575, or Tom Williams, club vice president, ext 1-8885.

Photography—The Platte Canyon Photography Club will meet 7 p.m. Wednesday, March 19, at DSC I, room G58. Art Gore, award-winning Colorado photographer will present a slide and print show of his works. Members and prospective members are invited.

Archery—James Gilmore and Rich McNutt, members of the Red Rock Bowmen club, placed first and second, respectively, in the Rocky Mountain Archery Association Tournament on February 22-23. They competed in the Bow Hunter's Free Style Division with contestants from four states.

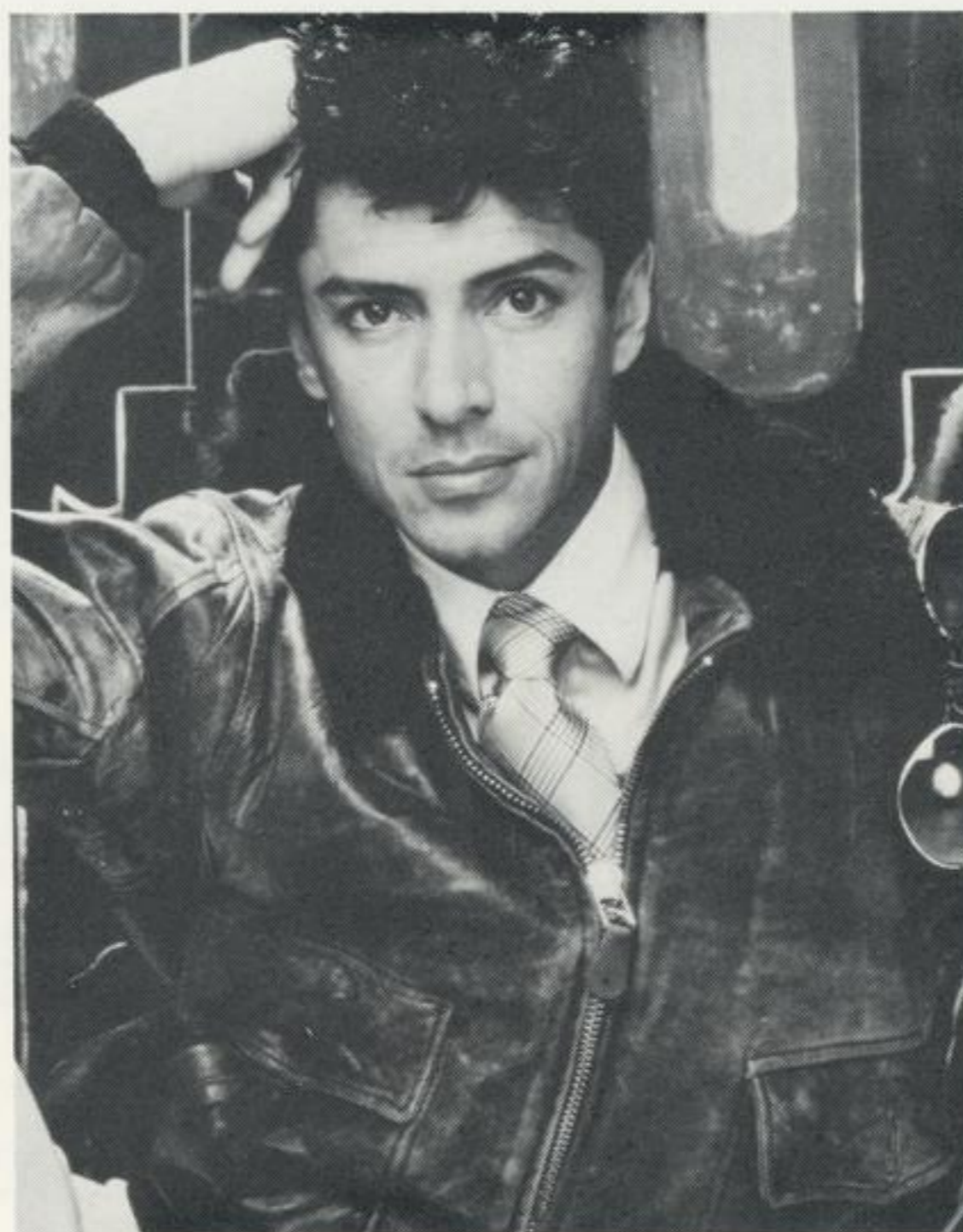
On February 23, nine archers also competed in an obstacle course at the Colorado Front Range Archer's Association Tournament. Rich McNutt placed third.

Company-sponsored activity cards needed

Employees who have not completed the 1986 company-sponsored activity card should do so now, because the deadline has passed. Employees who did not receive a card at their mail point can obtain one from the recreation racks or from the employee services/recreation office, Eng Bldg 124G. Send completed cards to mail stop 1344.

(The card for Denver Aerospace employees is yellow; the I&CS card, beige; and the Data Systems card, blue.)

In addition to the Denver Aerospace Open House on July 19, choices include the Denver Zephyrs, August 13; the Ice Capades, April 5 or 6; a Denver Symphony Pops Concert featuring the Big Band sound and Broadway star Tommy Tune, June 1; and Martin Marietta Day at Elitch Gardens Amusement Park, September 6.



Broadway-star Tommy Tune

New hotline installed

The occupational safety and health department now has a hotline that employees may call if they have complaints or concerns regarding safety and health issues at work.

The hotline is a recorder phone that will operate 24 hours a day, seven days a week.

Since this is an unmanned phone, emergencies should be reported by dialing emergency line 911, or the appropriate emergency number for an employee's location.

Users of the hotline should state their name, phone number, and message, so that a proper investigation may be conducted by a safety engineer or industrial hygienist.

Credit union news

With this year's income tax deadline only four weeks away, an Individual Retirement Account (IRA) loan special from the credit union may provide welcome benefits.

The Red Rocks Federal Credit Union is offering an interest rate of 15 percent to borrow up to \$4,000 for an IRA. Funds borrowed for the IRA must be deposited in a new IRA account or in an existing IRA account with the credit union. The credit union offers an interest rate of 9.5 percent on all IRA deposits.

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