

MARTIN MARIETTA

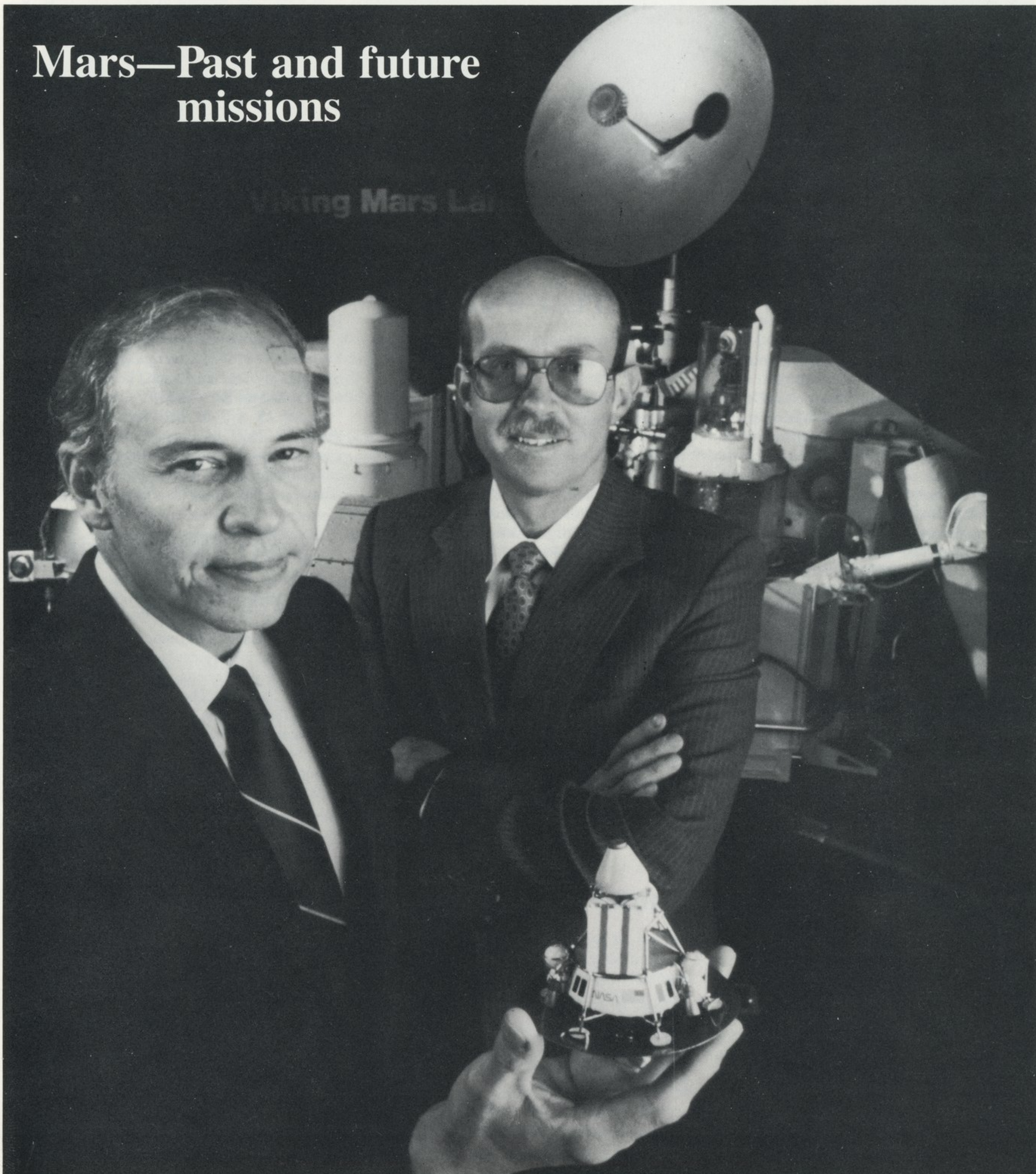
news

ASTRONAUTICS GROUP

February 12, 1988

Number 3

# Mars—Past and future missions







Virginia and Sugar Williams at a recent party.

## Couple celebrate combined total of almost 74 years with Martin Marietta

They arrived separately, but left Martin Marietta together. The man most know as Sugar (Robert) Williams, and his wife, Virginia, met in Baltimore, married in Denver 28 years ago, and retired this month after a combined total of almost 74 years with the company. Virginia will have had 43 years with Martin Marietta on Feb. 20, and Sugar began working for the company 31 years ago.

The couple met in 1956 in Baltimore, when Virginia worked for Richard E. Weber, then head of Wage and Salary at Baltimore, and now vice president of Personnel for Astronautics. The couple married in 1960.

"I can't remember another couple having that much combined service," Weber said. "I believe they've both given dedicated service to the company."

"You gave your best, and yours is a job well done," wrote Bobby F. Leonard, corporate vice president of Personnel, in a letter to Sugar Williams. "We will surely miss you, but not forget you ... institutions should be enshrined forever!"

Sugar transferred to Denver in 1960 as a senior job analyst. He progressed through a series of jobs until 1980, when he became per-

sonnel manager. Most recently, he was manager of personnel management for Space Systems.

Virginia began work in Baltimore in 1945, and moved to Denver in 1960 as a production planner. Virginia progressed through a series of jobs until she took early retirement this month, leaving her job as supervisor of order control for materiel.

Charles T. Wood, director of Materiel Operations, and his organization gave Virginia a retirement party; Richard E. Weber honored Sugar with a party, and both employees received an all-expense paid vacation and tickets to the Super Bowl in San Diego in January.

"The company sent us off in royal style," Sugar said. "It's been a pleasure working for the company, but it's time to step aside and let the younger generation take over."

"I think the company will remember Bob as the key guy for helping to relocate more employees and their families than anybody I can think of within the company," Weber said. "They both did a good job for us through the years, and we'll really miss them. Virginia and Bob are an example of longterm dedicated employees." ■

## Four companies to set standard procedures

Beginning in February, the four Astronautics Group companies are issuing their own set of policies, procedures and practices (P<sup>3</sup>), reports Phil DeLeo, manager of Command Media.

"We've gone through an intensive effort to allocate ownership of the 480 standard procedures to the companies or to central functional organizations," DeLeo said.

Strategic Systems is the first company to begin making the conversion. "Over the next six weeks, each of the companies will convert to a system with Astronautics Group standard pro-

cedures as well as their individual company standard policies in effect, but without overlap," DeLeo said.

Three of the four standard procedures manuals will be devoted to Astronautics procedures, DeLeo said. The fourth manual will be unique to each company, with its own distinguishing cover.

"This is the first of a number of steps to revise our command media in preparation for the coming Air Force contractor operations review," DeLeo said. ■

## Company to offer tax-help classes

A new service will provide employees with a way to take some of the stress out of tax time this spring.

Beginning Feb. 23, the Central Training and Certification department will schedule two-hour classes to assist employees in selecting and completing appropriate tax forms. Forms 1040EZ, 1040A and 1040, including Schedules A and B, will be discussed.

Classes will be offered every Tuesday at 7 a.m., 12:30 p.m. and 3:30 p.m. at the Training and Certification classrooms in the General Purpose Laboratory at Waterton. Employees must attend class on their own time, not during their company working hours. Bring the following items to class: tax forms received in the mail; 1987 W-2 forms or final 1987 paycheck stubs; records of other income such as interest, dividends and unemployment compensation; and records of any credits or deductible items such as child care expenses, mortgage interest, real estate taxes, consumer interest and charitable contributions.

Sign up for the class by calling Ext. 7-5546, 7-6166 or 7-6167. Direct questions about the program to Vicki Anderson, Ext. 7-6920, or Lee Fryberger, Ext. 7-3198.

"April 15 will be here soon," said John Turcheck, chief of Organizational Development and Management Development, Training and Certification. "Don't wait until the last minute, or classes may be filled." ■

## Two libraries now offer use

The Martin Marietta Research Library has library cards available for use by Martin Marietta employees at two other libraries. The cards are available for the Auraria Library, located in downtown Denver, and the Colorado School of Mines Library in Golden. For more information, contact the library, Ext. 7-6363 or 7-5603.

## Found property still unclaimed

Many items lost by employees are found and sent to Plant Protection headquarters at the Waterton facility, and to guard security stations at other locations, but remain unclaimed, Plant Protection reports.

Property unclaimed at Waterton includes a woman's coat, many sets of keys and eyeglasses. Items may be identified and claimed at Plant Protection headquarters, located south of the factory, adjacent to the firehouse.



# Corporate news

## Corporation approves \$371 million for 1988 capital projects

The board of directors has authorized new capital appropriations of more than \$371 million for its aerospace, information systems and materials businesses.

The 1988 authorization is 11 percent higher than the 1987 figure, when \$335 million was approved. Much of the planned capital spending will be for automated precision production equipment, advanced high-speed computers, and for related equipment aimed at achieving further gains in productivity and cost reduction through computer-integrated manufacturing.

## C.B. Hurtt elected chairman of Energy Systems, Inc.

Caleb B. Hurtt has been elected chairman of the board of Martin Marietta Energy Systems, Inc., a wholly owned subsidiary of the corporation.

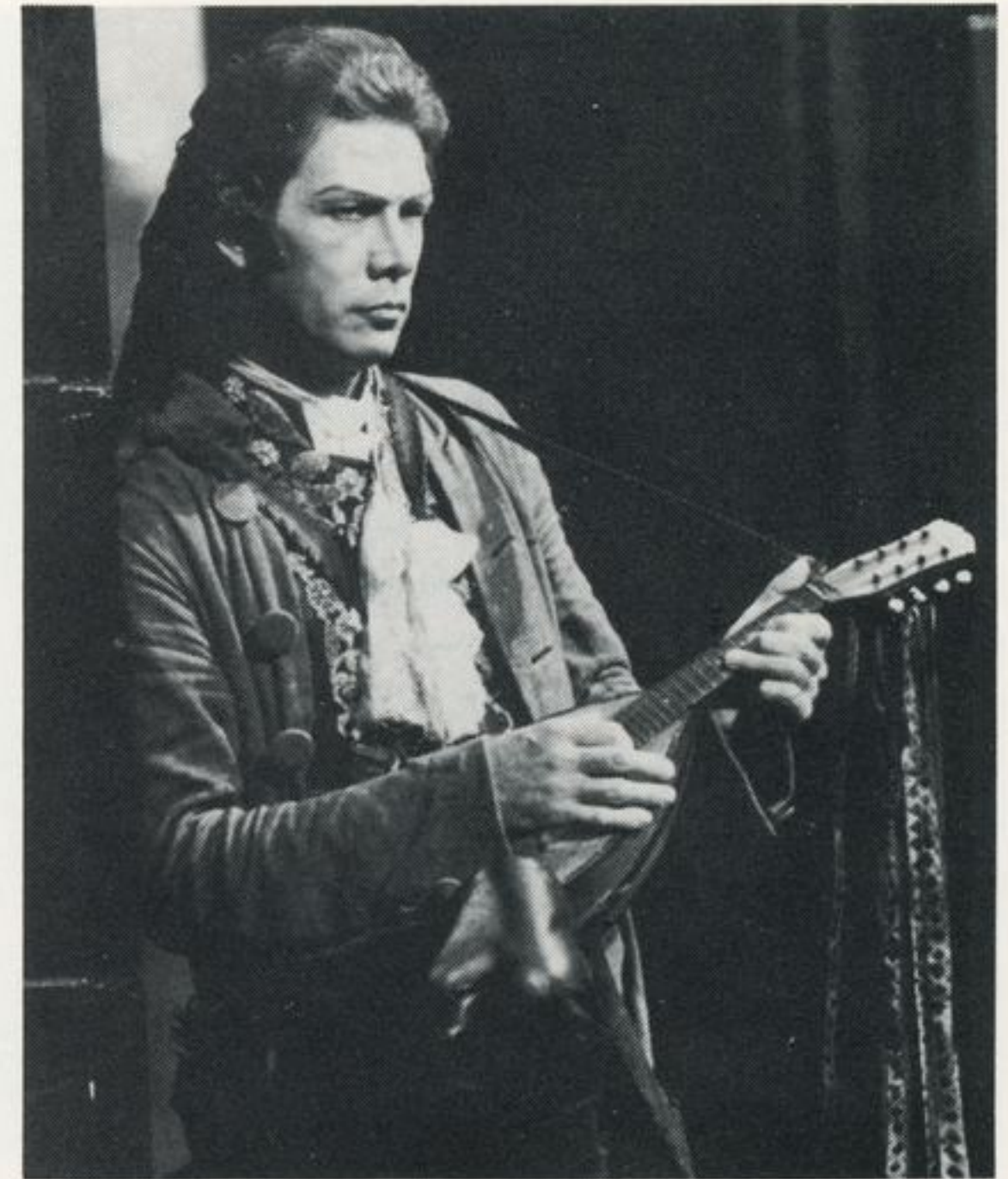
Hurtt, who recently was elected president and chief operating officer of the corporation, succeeds Norman R. Augustine, who relinquishes the chairmanship of the Energy Systems subsidiary following his recent election as vice chairman and chief executive officer of the corporation.

Energy Systems operates U.S. Department of Energy research and development, production and engineering facilities at Oak Ridge, Tenn.; Paducah, Ky.; and Piketon, Ohio.

## Orlando received additional \$608 million LANTIRN contract

Martin Marietta Electronic Systems at Orlando, Fla., has been awarded a \$608 million contract by the U.S. Air Force for continued production of the LANTIRN night navigation and targeting system.

LANTIRN is an electro-optical system consisting of two pods, one for navigation and the other for targeting. Attached beneath the fuselage of certain high-performance aircraft, the system enables Air Force pilots to fly beneath radar at speeds exceeding 500 mph, in darkness and reduced visibility conditions, and strike targets on the first pass.



Ramey

## “Great Performances” presents “Don Giovanni”

Samuel Ramey stars in the title role in Mozart’s “Don Giovanni,” airing on “Great Performances” at 12:30 p.m. on Sunday, Feb. 14, on Channel 6. Kathleen Battle co-stars in the presentation. Herbert von Karajan conducts the Vienna Philharmonic. “Great Performances” is made possible by grants from Martin Marietta Corporation and Exxon. ■

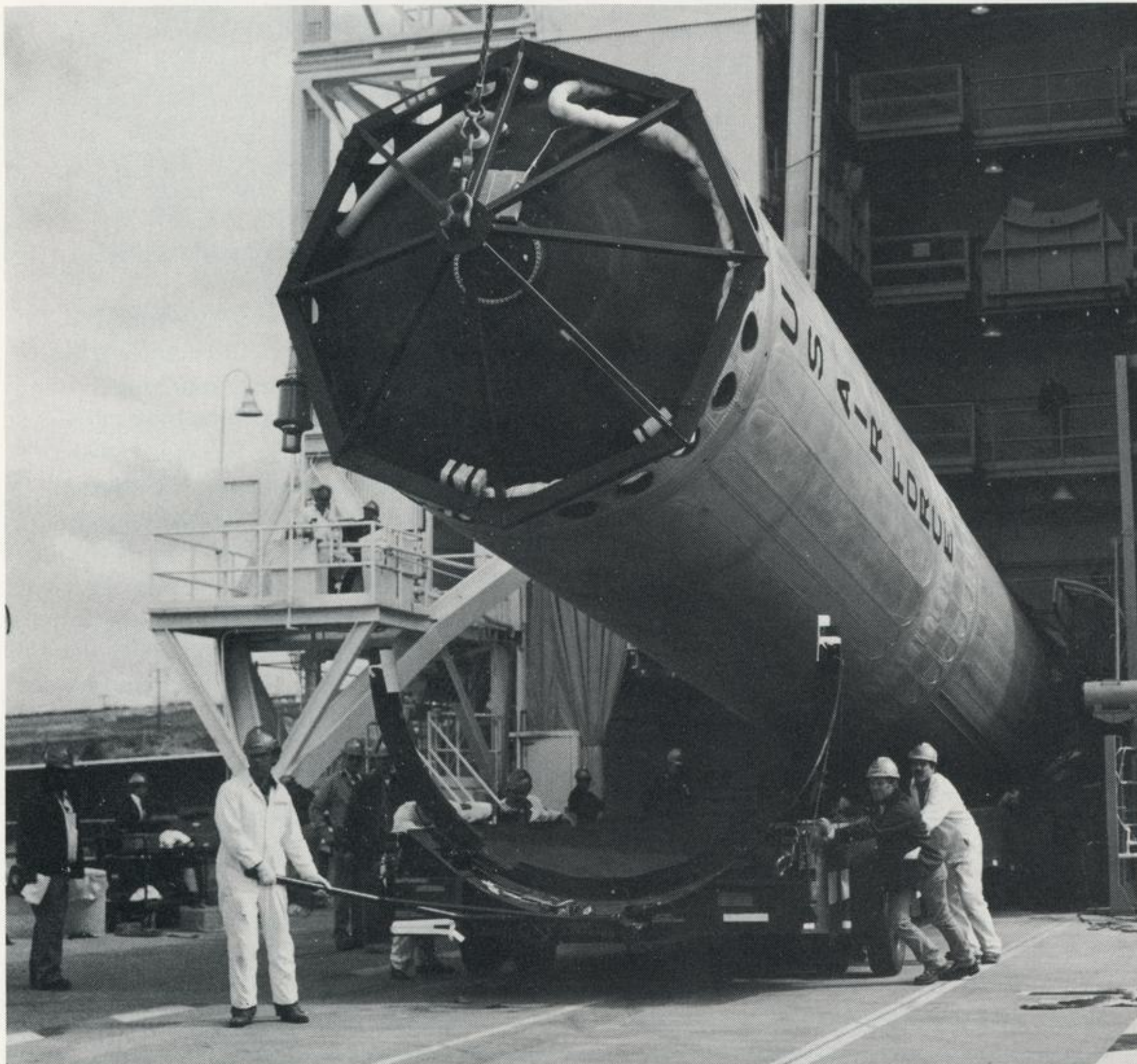
## Briefing date set for master’s degree

Sheila Bell, coordinator for the University of Denver Master of Science in System Management degree program, will brief anyone interested in the master’s degree program at 11:30 a.m. on Thursday, Feb. 25, in the Technical Support Building, Conference Room 501. The degree formerly was offered through the University of Southern California.

New students and continuing students who registered for classes for the first time last term are welcome to register for the program from noon to 1 p.m.

Continuing students who did not register for the last term may register on Thursday, Feb. 18, from 11:30 a.m. to 1 p.m. in the Technical Support Building, Conference Room 501.

For more information, contact Educational Services, Ext. 7-4050. ■



## Titan II photo appears on cover of “Aviation Week”

This photo of the first Titan II space launch vehicle appeared on the cover of the Feb. 1 issue of the “Aviation Week and Space Technology” magazine. It was taken by Martin Marietta photographer Bruce Fall, a member of the Public Relations department at Vandenberg Operations, Calif. The Titan II is being stacked at Vandenberg in preparation for launch.

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# PROJECT CHALLENGE

(Editor's note: The following article on the need for the kind of change Project Challenge is promoting was written by John F. Dwyer, director of Technology Training.)

People don't change. It is just situations that people find themselves in that change. In the year 1514, Niccolo Machiavelli wrote "The Prince," and, in chapter six, observed:

"There is nothing more difficult to arrange, more doubtful of success, or more dangerous to carry through than initiating changes. The innovator makes enemies of all those who prospered under the old order, and only lukewarm support is forthcoming from those who would prosper under the new. Their support is lukewarm partly from fear of their adversaries who have the existing order on their side and

partly because men are generally incredulous, never really trusting new things unless they have tested them by experience."

This passage in "The Prince" is applicable to the initiatives we are advocating on Project Challenge. The most common excuse for avoiding process simplification is that we have been doing it this way for years. We hear that our low-volume, high-tech programs can't be expected to have accurate material accountability when common sense tells us otherwise.

We don't advocate change for the sake of change. However, if increased productivity and resultant improved competitive posture dictate change, don't fight it. Be flexible, be innovative and be imaginative. Support Project Challenge initiatives with an open mind and we will be successful. ■

## 30 years' service recognized



Employees with 30 years' service during the fourth quarter of 1987 were recognized at a December luncheon. Standing, left to right, are Lee White, Lloyd Packer, Richard Benson, Sam Vardeman, Robert Buckley, Everette McCormick and Leon Kershaw. Seated, left to right, are Jack Newgent, Bill Hirokawa, Lila Keller, James Adams, Gilbert Virgil and Hugh Zeiner.



Standing, left to right, are Artie Clark, Gerald Ivarson, Ruben Ramirez, Tom Harnke, Edward Mielkus, Tom Dickerson and Byron Winters. Seated, left to right, are Edward Barr, Arthur Young, Daniel Tushar, Larry Kietzman, Frank Yashiro and Frank Anderson. Not pictured: Daniel Gutierrez, John Bujaci and George Reed.

## New request form simplifies orders

The Astronautics Group, Data Systems, and Information & Communications Systems have teamed to produce a new, simplified micro products request form. The form was developed by a group from Astronautics' Management Information System, Data Systems' Denver Account and I&CS.

The simplified process saves time by limiting the number of signatures required to obtain microcomputer hardware and software.

The new form replaces both the work request and the expense item requisition forms for micro hardware, software, maintenance agreements and idle equipment requests or returns.

The original process for acquiring standard micro computer resources required eight signatures and 65 paperwork steps. Using the Project Challenge model of Process Simplification, the new method has reduced signature requirements to three, and the paperwork to 22 steps, reducing processing time from 86 to ten days.

The team plans to continue applying process simplification procedures to an automated on-line version of the form, with implementation set for the first quarter of this year.

To obtain a new micro products request form, contact one of the following product area representatives: Space Launch Systems—Tom Sawyer; Strategic Systems—Charlie McClure; Defense Systems—Barry Brooks or Jim Pruitt; Advanced Space Systems and NASA Space Systems—David Ostrowski; Plant Operations—David Holton; Technical Operations and Project Challenge—Brian Mortier; Business Management—Carl Hegarty; Personnel—Lynn Scott; Administration—Harry Goering; and Special Programs—John Strohl. ■

## Name and number needed for forms

Employees should give their name and mail stop when using the phone answering service to request specifications and standards from the Naval Publications and Forms Center in Philadelphia, Penn., the Martin Marietta library reports. Otherwise, the material is addressed to Martin Marietta, Denver, only, and cannot be delivered.

Although the forms center provides free hard copy, microfilm containing specifications and standards is available to employees at the library, located in Module 200 in the Technical Support Building at Waterton.

For more information, contact the library at Ext. 7-5512.





*A wildflower mix will be developed and tested at the Chatfield Arboretum, located near both the Deer Creek and Waterton facilities.*

## Company sponsors development of Rocky Mountain wildflowers

Martin Marietta announced last Friday that the company is donating \$100,000 over three years to the Denver Botanic Gardens to research and develop a Rocky Mountain regional wildflower mix.

The announcement was made by Peter B. Teets, president of Martin Marietta Astronautics Group, at the opening of last week's regional conference on landscaping with flowers and plants, held in Denver and sponsored by the Botanic Gardens and the National Wildflower Research Center.

The wildflower mix will be developed and tested at the Chatfield Arboretum, located near both the Deer Creek and Waterton facilities.

"By donating funds for the research and development of a regional wildflower mix," said Teets, "we are being given the opportunity to preserve Colorado's legacy of native plants, and to provide beauty and enjoyment to future generations of Coloradans."

Employees, spouses and retirees will be provided with special opportunities to become actively involved in many phases of the wildflower research and development (see related

story), and enjoy the beauty of native plants and flowers.

Wildflower testing will begin in late 1988, following the collecting of seed in late summer and early fall. The mix will consist of native Colorado and Rocky Mountain flowers, grasses and other plant species suited to the varied climates and cultures of this region. Once developed, the wildflower mix will be made available throughout the Rocky Mountain region for highway beautification, revegetation of open space and for use by the landscape industry.

Gayle Weinstein, a botanist horticulturist for plant collections at the Botanic Gardens, will direct the three-year research program through all phases. Included in the project will be collecting seed from wild plant populations, testing native soils where the plants are found growing, selecting suitable plant species based on their performance under cultivation, and developing reliable cultural methods for large- and small-scale wildflower planting projects.

Weinstein will work in cooperation with the National Wildflower Research Center in Austin, Texas, and the Colorado State Highway Department, as research progresses. ■

### Wildflower program: how to get involved

Employees, spouses and retirees will have the opportunity to become involved in the new research program to develop a Rocky Mountain wildflower mix. Volunteers are needed as naturalist-guides or as field assistants.

Naturalist-guides are trained by the Arboretum staff to lead field trips and tours throughout the research facility. Naturalist-guides will attend orientation sessions to learn about the area's history, wildlife, native vegetation, ecology and edible plants. They also will be trained to identify animal tracks, as well as trees and shrubs during winter months. Orientation sessions for naturalist-guides will begin Feb. 24 and Feb. 27 at the Chatfield Arboretum.

Field assistants volunteer for a variety of projects, including publicity, fund raising, horticultural and historical research, landscape planning, grounds preparation and care, and building maintenance. As a field assistant, volunteers are free to choose the number of hours worked, and the times when available.

Employees, spouses and retirees can learn more about the volunteer program, and may sign up for orientation sessions, by contacting Dr. Wayne Christian at the Chatfield Arboretum, 973-3705, from 9 a.m. to 3 p.m. Monday through Friday. Those interested in forming a Wildflower Club may contact the Employee Recreation department, Ext. 7-6750.

## Corporate sets 1987 PSP match

Martin Marietta's contribution to the Performance Sharing Plan for last year is 32.5 percent of employees' 1987 basic contribution, the corporation announced this week.

"The close of the 1987 plan year represents a decade of performance sharing at Martin Marietta," wrote Thomas G. Pownall, chairman of the board, in a letter to all employees. "Since the plan was introduced in 1978, the average company match has surpassed not only the established minimum level of 25 percent, but the goal average of 50.5 percent, as well," Pownall continued.

"Including this year, the corporation's annual matching contributions have averaged 69.6 percent of employee basic contributions," Pownall wrote. "To date the corporation has contributed in excess of \$200 million to the plan, and more than 83 percent of eligible employees are currently participating in the program." ■

## On the cover

Dr. Benton C. Clark, left, holds a small model of a landing vehicle for a future manned mission to Mars. Dr. Ed Euler, right, stands before a full-scale replica of the Viking Mars lander that Martin Marietta built for NASA in the early 1970s.

Dr. Clark, a senior department scientist for Space Systems, is program manager for a contract awarded last year to study potential manned missions to the red planet early next century. Dr. Euler, director of research and technology for the Space Systems company, until recently was program manager for the Mars rover/sample return studies, which are looking at an unmanned mission to Mars before the year 2000. All three studies successfully underwent their first major program reviews for NASA recently.



# Employee services/recreation

**Belle Bonfils Blood Bank**—Make leap year count by donating blood Monday, Feb. 29, at Terrace Towers. The Belle Bonfils Blood Bank will be in the Presentation Room on the main floor from 9 a.m. to 2:45 p.m. Employees at Terrace Towers and Greenwood are encouraged to make an appointment. Call the Employee Services office, Ext. 7-6750, or 7-6605, before Friday, Feb. 26.

**Learn to Jitterbug**—Jitterbug classes are offered to Martin Marietta employees at the discount price of \$15 (regular price \$24). Classes will meet from 7:30-9:30 p.m. on Feb. 20 and 27 at 4360 E. Evans Ave. Call the instructor, Marilyn Olen, at 799-4915 to register.

**Get a Fresh Start**—Free smoking cessation classes are available to all Martin Marietta and Air Force personnel, their spouses and dependents. Classes consist of four meetings from 5-6:30 p.m. on Feb. 15, 18, 22 and 25, in Room 208 at Goddard Junior High School, 3800 W. Berry Ave. To register, call the Employee Services office, Ext. 7-6750, or 7-6605. Sessions also will be offered in March and April.

**Commodore Users Group**—The group will meet at 5 p.m., Tuesday, Feb. 16, in the clubhouse at the recreation area. Contact Chuck Barton, Ext. 7-9950.

**Parapsychology Club**—Members and guests meet from 5-7 p.m. on the third Thursday of every month in the cafeteria at LSC. The next meeting is Feb. 18. Non-employees are welcome to attend, but corporate policy requires a minimum age of 16. Employees must provide escorts for their guests, and give names of guests to Janna Winkel, Ext. 7-7814, DSC, or Helen Hussander, Ext. 1-6687, SouthPark West II, 24 hours before the meeting.

**Platte Canyon Photo Club**—The club will meet at 7 p.m. in Linpro II, Room 106C. Thomas Hissong, technical specialist for Eastman Kodak Professional Photography Division, will give a special on professional photography. Video profiles will include Nick Vedros, commercial photographer; Scott Griswold, photo educator; Boulevard Photographic, automobile photography; and Walt Disney World, industrial photography. Please call Bill Privatsky, Ext. 7-4969, for more information.

**Rocky Mountain Alpine Club**—The club has planned a cross country tele-mark ski trip for Saturday, Feb. 13. Contact Steve Ahmann, Ext. 7-8693, or Frank Farrell, Ext. 1-1576.

**Bowling**—The Martin Marietta masters/corporate games qualifying bowling tournament was Jan. 16, 23 and 24 at Broadway Bowl. The winner, Kenneth Robak, and runner-up, Floyd Teiffel, also participated in the Denver

Masters in Castle Rock on Feb. 6 and 7, with finals on Feb. 13 and 14. Representatives for the Denver Corporate Games will be Floyd Teiffel, Ken Robak, Henry Rich, Kathy Johnson and Wendy Warren. Alternates are Charles Winfield and Dorothy Crowell. Floyd Teiffel also won high game, high series and high average. Janet Roberts won high game and Kathy Johnson won high series and high average.

**Income Tax Forms**—The Internal Revenue Service and Colorado state income tax forms for 1987 are available at the following work locations: Waterton Facility, Employee Services/Recreation office, Engineering Bldg., Room 124G; Denver Systems Center (DSC) I, Room 200J; Littleton Systems Center (LSC), Room 201E; South Lincoln Facility, in the personnel representative's office. Terrace Towers, Greenwood and Deer Creek have tax form order sheets in the information racks. Employees can mail their request for forms to the Employee Services/Recreation office, Mail Stop 1344, to receive IRS forms through company mail. Out-of-state tax forms may be obtained from Craig Coffey, Linpro II, Room 94, Ext. 1-5222.

**Winter Park Vacations**—The agency offers condominium rentals at a 20 percent discount on stays of three nights or more, and a 15 percent discount on two-night stays. Employees must identify their employer when making reservations to obtain the discount. The Denver direct line is 825-0705.

**Lake Dillon Lodge**—The lodge offers a discount rate to Martin Marietta employees through the Denver Area Employee Services/Recreation Association. The special rate is \$30 per person, per day based on double occupancy. To obtain the discount, employees must mention the identification number 316 when making reservations. The toll-free number is 1-800-727-0607.

**The Silvertree Hotel**—The hotel, located on the slopes of Snowmass, is offering special rates to celebrate its 20th anniversary. Rates are \$68 per room for one or two persons, and \$88 per room for three or four people. The offer is based on a space-available basis until April 10. Reservations only can be made a maximum of 2 weeks in advance. Call 1-800-323-6494 for reservations, and mention the Denver Area Employee Services/Recreation Association (DAESRA) discount offer.

**Aspen Lodging Discount**—The Inn at Aspen, located at the base of Buttermilk Mountain, is offering \$25 off the regular room rate to Martin Marietta employees when they present a \$25 coupon at check-in. Employees may get the coupon from the Recreation office. The

reservation number is 1-800-826-4998.

**Keystone Resort Lodging Discount**—Martin Marietta employees may receive a 25-percent discount on accommodations at the Keystone Lodge and Keystone Condominiums any Sunday through Thursday night, or any Friday and Saturday night, when the reservation is made within 14 days before arrival. Weekend reservations made more than 14 days before arrival receive a 10-percent discount. A two-night minimum stay is required on all condominium rentals. To receive the discount, call the Keystone Reservations toll-free number at 534-7712 in Denver. Identify yourself as a member of DAESRA. Discounts are effective through the close of Arapahoe Basin in June, and are based on a space available basis. Present photo identification and proof of employment to receive the discount.

**Child Care**—La Petite Academy child care centers in Colorado offer Martin Marietta employees a 10-percent discount off weekly tuition for any child not currently receiving a discount. The offer is a space-available basis. Obtain flyer with details from the recreation racks or from the Recreation/Employee Services office.

**Theater**—Stagewest, located at the Galleria in the Denver Arts Center, 14th and Curtis Streets, offers 25 percent off ticket prices to the musical "Beehive." The show features music made popular by female groups and soloists of the 60s. Obtain the flyer with discount details from the recreation racks. Ticket sales are handled by Stagewest.

**Copper Cards**—A Copper card holder can purchase discounted \$22 adult lift tickets at the Copper Mountain ski area. The card also offers a free day of skiing after April 1, and provides discounts on lessons, lodging and restaurants. Cards are available from the Employee Services/Recreation office for \$7 through Feb. 18.

**Titan Toastmasters**—The group meets at 6 p.m., Mondays, at Abe's Cafe, 2489 W. Main St., Littleton. Contact Mark Willey, Ext. 1-6183.

**LSC Toastmasters**—The club meets at 4:30 p.m., Wednesdays, in Room 217 at LSC. Contact Kathy DeWitt, Ext. 7-0397.

**Funplex Discount**—Coupons offering one free activity (bowling, skating or miniature golf) with the purchase of the same activity at full price are available from the Recreation office, located in Room 124, Engineering Building, from 10:30 a.m. to 12:30 p.m. and 1-3:30 p.m. daily. Coupons also are available from volunteer recreation representatives.