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*Employees and dignitaries celebrate Titan II acceptance ceremony at Vandenberg on Aug. 18.*

## First Titan II space booster unveiled at Vandenberg

Martin Marietta delivered the first Titan II intercontinental ballistic missile converted for space launches to the U.S. Air Force at Vandenberg Air Force Base, Calif.

Maj. Gen. Donald L. Cromer, Space and Missile Test Organization commander at Vandenberg, accepted the Titan II on Aug. 18 from Gareth D. Flora, Martin Marietta Space Launch Systems Company president, in ceremonies at the Martin Marietta facility at Vandenberg.

"Over the past 18 months we have seen the need for a robust, flexible space launch capability .... Today's ceremony is testimony to the fact that we are well on the road back to recovery," Cromer said.

The Titan II is the same vehicle displayed for Edward A. Aldridge, Jr., Secretary of the Air

Force, and other Air Force and civilian dignitaries at roll-out ceremonies Aug. 3 at Waterton.

"A bright future is being ushered in today as the Titan II comes home to Vandenberg to help us achieve a renewed capability in our space programs," Flora said.

Acceptance of the Titan II as a space booster coincided with deactivation of the last ICBM version of the Titan stationed at Little Rock Air Force Base, Ark., Aug. 18 and 19.

The Titan space launch is a two-stage vehicle capable of carrying 4,800 pounds into low-Earth orbit from Vandenberg. Initial launch capability is scheduled to be achieved by April 1988.

Engines, electronics, hydraulics and other parts needed for final assembly will be in-

stalled at Vandenberg.

Development of the Titan II strategic missile began in 1960 with the first operational vehicle delivered from Martin Marietta in Denver. Tucson, Ariz., was the initial site activated and placed on national alert status in December 1962. A total of 153 Titan IIs were built. Eighty-one vehicles were launched for development and training purposes.

NASA used the Titan II to launch the 12 Gemini program manned missions, which included the first manned space rendezvous.

Fifty-five Titan IIs are available for modification as launch vehicles, with a launch rate capability of three vehicles per year, and a projected maximum capability of five vehicles per year. ■





Various squadrons of the 308th participate in Titan II deactivation ceremony.

## Mission complete: 25-year era ends

After 25 years of successful strategic deterrence using Titan II missiles, the 308th Strategic Missile Wing at the Little Rock Air Force Base, Ark., was deactivated on Aug. 18.

Attending the ceremonies was Gen. John T. Chain Jr., commander in chief of the Strategic Air Command at Offutt Air Force Base, Neb.

Deactivation ceremonies began Monday, Aug. 17, with the dedication of a monument recognizing the Titan II missile era and the 308th Strategic Missile Wing.

"I think the monument will represent our mission well," said Col. Albert R. Green Jr., the 308th's commander. "What we have behind us is a symbol of excellence. Our greatest accomplishment, is that we have strived for peace and won. We never had to launch them."

The 308th began its distinguished history during World War II, when the unit was first activated as the 308th Bombardment Group (Heavy), on April 15, 1942.

The wing assumed command for 18 Titan II intercontinental ballistic missiles and began constructing missile complexes in Arkansas in January 1961.

The first Titan II ICBM arrived by C-133 cargo aircraft Feb. 6, 1963, and all 18 Titan II missile complexes assigned to the wing were fully operational by December 1963. The first Titan II missile was test fired Oct. 2, 1964, from the 308th. The 103-foot tall Titan II was deemed an extremely accurate and reliable

weapons system, with a range of more than 5,000 miles, carrying the largest payload of any U.S. ICBM.

The last 308th launch was June 28, 1976, and was an integrated test flight. The test was the last Titan II launched by an operational Titan wing, giving the 308th the distinction of having launched the first and last Titan by an operational Titan II unit.

In October 1981, President Reagan announced that as a part of his strategic modernization program, the Titan IIs would be retired. The deactivation program began at Davis-Monthan Air Force Base, Ariz., Oct. 1, 1982 and ended at Little Rock May 6, 1987.

The Titan II weapon system was originally slated to last 10 years. Now, 25 years later, it has successfully and peacefully performed its mission as a strategic deterrent for the U.S.

"The Titan II ICBM has served the U.S. Air Force well by greatly exceeding the longevity goal initially established for the weapon system," said John J. McDonald, program manager for Martin Marietta's Titan II ICBM.

"The high quality and reliability of our product have been continuing sources of pride for the personnel assigned to the program since its inception. These attributes are attested to in the selection of the Titan II missiles for the space launch vehicle program following weapon system deactivation." ■

## Gooch takes helm at Patrick AFB

Air Force Col. Lawrence Gooch has been named chief of the Eastern Space and Missile Center at Patrick Air Force Base, Fla., replacing Col. John Mansur, who is retiring.

Gooch had been commander of the Air Force Space Technology Center headquartered at Kirtland Air Force Base, N. M. He served from 1963 to 1968 as commander of the Western Space and Missile Center at Vandenberg

Air Force Base, Calif., and assistant director for satellite research at Los Angeles Air Force Station, Calif.

At Patrick AFB, Gooch will help oversee the return to flight of unmanned military rockets, such as the Titan 34D. The Titan is scheduled to be launched with a military satellite this year from Cape Canaveral Air Force Station, Fla. ■

## Van Dewerker named director of new post

Nicholas J. Van Dewerker has been named director of Product Assurance for the Astronautics Group, reporting directly to Peter B. Teets, Astronautics Group president.



Van Dewerker

"The integrity of our products and our commitment to our customers' needs are our most important responsibilities," said Teets, in announcing the new position. "This appointment underscores our continuing commitment and our dedication to the superior quality and safety of our products and services. Quality is a prime factor in Martin Marietta's competitive posture with all other contractors in the defense and space industry."

Van Dewerker will have oversight responsibility for the quality, safety, and mission success activities of the four operating companies and the entire group. Van Dewerker's assignment includes assuring continuing compliance with government, operating company, and plant operations policies and standards.

Before this appointment, Van Dewerker was director of Product Assurance in the Astronautics Group's Plant Operations organization. He joined the company in July 1960 as a junior engineer on the Titan II project at the Vertical Test Facility, and was assigned to progressively more responsible positions on Titan, Skylab, and Viking, classified programs, Special Programs and Peacekeeper. ■

## Symposium held by suggestion office

The second annual Suggestion System Interdivisional Symposium was conducted recently by the Astronautics Group's Success Through Suggestions office, and involved employees from various Martin Marietta operations.

Representatives from several suggestion offices throughout the corporation met to revise policy, to discuss concerns and issues, to create guidelines to allow the suggestion systems to operate more efficiently, and to establish a system for sharing the benefits of implemented ideas.

Ideas implemented through suggestion programs at Denver, Michoud, Ocala and Baltimore resulted cost savings in 1986 of \$7,859,628.

Those attending the symposium came from Martin Marietta Aero & Naval Systems (formerly Baltimore Aerospace), Ocala Operations, Air Traffic Control Division, Denver and Orlando Data Systems, Canaveral Operations, Vandenberg Operations, and Manned Space Systems (formerly Michoud Aerospace). ■





### Commercial Titan awarded contract to launch INTELSAT

Martin Marietta Commercial Titan, Inc. recently signed its first contract to launch commercial satellites. The contract was signed on August 10 at the headquarters of International Telecommunications Satellite Organization (INTELSAT), the organization awarding Martin Marietta the contract. From left to right are Dean Burch, director general of INTELSAT; Elizabeth Dole, secretary of transportation; and Thomas G. Pownall; chairman and chief executive officer for Martin Marietta Corporation.



### Corporation contributes funds to Denver Zoo

James W. McAnally, president, Space Systems, right, presents a check for \$20,000 to Charles Warren, chairman of the board of the Denver Zoological Foundation. The foundation intends to use the grant to aid in constructing an exhibit in the Marine Memorial complex.

## Wanner saves Landau from choking at LSC

On July 15, Rick Wanner noticed Tom Landau rise from the table at the Littleton Systems Center cafeteria and begin walking while motioning frantically with his hands.

Wanner, chief test conductor on the Small ICBM program, recognized the choking symptoms and reacted quickly, according to witnesses. Wanner performed the Heimlich maneuver on Landau, who responded immedi-

ately and started breathing.

Landau is a primary investigator on an independent research and development project for Denver Information & Communications Systems. Wanner earned an employee commendation and praise from John R. Adamoli, vice president and program director, Small ICBM Assembly, Test and System Support, for "heroic efforts in aiding a fellow employee." ■

## Kronauer explains ethics program

(Editor's note: The following is an interview with Gen. Cliff Kronauer, director of the Denver Ethics Office. The Corporate Ethics Office was created in October 1985 under the guidance of Winant (Si) Sidle, director of the office. The Denver office can be reached at Ext. 7-4530.)

### What's the purpose of the Ethics Office?

It's twofold. The office monitors performance under the Martin Marietta Code of Ethics. The office also serves another important service by providing guidelines to employees to resolve their concerns and to help them make appropriate decisions on matters of ethics.

### How is the ethics training program accomplished?

An extensive, four-phase program is being conducted under the Personnel function. Phase I consisted of sessions for our top executives. Phase II provided training for some directors and managers. We're in Phase III now for remaining managers and supervisors throughout the company. We expect to begin Phase IV for the rest of our employees before the end of the year.

### Is the defense industry required to be more ethical than industry at large?

Yes, for a very good reason. The defense industry is important to our national survival, and we must assure the public that tax dollars spent provide maximum defense. We can be proud that we're in a position requiring public trust, and must ensure that such trust is justified.

### How can people find out more about their role in business ethics?

We encourage employees to read and understand the published *Code of Ethics and Standards of Conduct* booklet. If they have any questions, for example, about offering or receiving transportation, meals, or entertainment, they can ask the office here or call the corporate office. When in doubt, however, the rule is to avoid either actual or even the appearance of impropriety.

### Are ethics new and special to our company?

No, Martin Marietta has a tradition of ethical conduct. The ethics program formalizes and emphasizes values long held by the company. Ethics are viewed as one aspect of our total commitment to excellence in our products, services and in everything we do. ■

## Commercial Titan name changed

Martin Marietta Commercial Titan Systems Company has been made a wholly owned Martin Marietta subsidiary and renamed Martin Marietta Commercial Titan, Inc.



## 30-year service honored



Employees with 30 years' service in the first quarter of 1987 were honored at a luncheon March 31. Richard E. Weber, vice president, Personnel and Facilities, officiated. Standing, left to right: Raymond Czarnek, Louis Marck, Baker Parker, Charles Clark, Dino Ruybal, Clarence Bunnell, Charles White, Wesley Keith and Tex Norred. Seated, left to right: Ray Fachinello, Allan Ardrey, John McDonnell, Ed Devries, Robert Bassett, Jack Anderies, Ronald Fuqua and Ed Bunney.



Standing, left to right: Wayne Peck, Don Delphia, Jack Froistad, Maurice Anthony, Chester Foat, William Tweedale, Paul Grosser, John Griego and John Machann. Seated, left to right: Harry Hull, Wilber Benham, Ann Fox, Mel Repstine, Joseph Keeley, Richard Murry, Gordon Wenner and Pat O'Connell.



Standing, left to right: Al Miller, James Raney, Wayne Cook, Richard Rathke, James Hensel and Ralph Schmidt. Seated, left to right: Alfred Hammons, Mary Medina, Wally Goodwin, Russell Chihoski and Kathleen Reynolds.

Other honorees not pictured: Juanita Bett, James Byers, Wayne Coffelt, Ted Coston, Jim Daily, Joe Donathan, Leo Fondacaro, John Gurr, Richard Hannum, James Hensel, Edwin Johnson, Joseph Keeley, Dean Lung, Merle McCaslin, Al Meyers, Frank Samora, Phil Shuey, Herschel Smith, Rush Studinski, Charles Vashus and Robert Williams.

## Pikes Peak climb a family event

Rob Peterson, a technician in the engineering and development laboratory, was named Rookie of the Year in this year's 63rd Pikes Peak Hill Climb. He placed sixth in the stock car division, with a top speed of 110 mph on the 12-mile course, and an average of 60 mph.

Although this is Peterson's first Pikes Peak race, it marked the 29th consecutive climb for his father, Frank Peterson. Rob has been pit crew for the past 29 years for his father. His brother Brett also raced for the first time in the Pikes Peak race and placed 13th. Both began their auto racing careers early. Frank Peterson officially listed them as members of his crew when they reached the age of 1.

There are five hill climb races in Colorado each year. The Pikes Peak climb, America's second-oldest race after the Indianapolis 500, has become an international event. Rob finished seventh in a hill climb two weeks ago in Salida, driving his rebuilt 1986 Oldsmobile Cutlas.

"It gets in the blood," Rob said. ■

## People

- "Not bad for an hour's work," said **Jamie McAnally Horacek**, an information systems specialist, after she and her husband, **Mark Horacek**, a manufacturing engineer, won \$32,500 in prizes and cash on the "Price is Right" television game show recently. The show will air Oct. 20.
- John Soto Jr., a staff assistant for Colo. Lt. Gov. Mike Callihan, and the 20-year-old son of **Rita E. Soto**, a data management specialist in Contracts, was elected National Youth Chair at the 39th National Convention of the GI Forum. He will become a member of the National Hispanic Caucus.
- Bob Husted, the son of **Dick Husted**, a systems engineer, and **Jean Husted**, general supervisor for food services, graduated from Hillsdale College, Mich., with a 4.0 grade point average, and earned his degree in three years. All of his college expenses were earned through the Martin Marietta Corporation Foundation Scholarship, a Manville Scholarship, and the Hillsdale College Merit Presidential Scholarship.
- LaTanya Hall, daughter of **Will Hall**, planning chief for Martin Marietta Commercial Titan, Inc., and **Sarah Hall**, who works for the central Electronic Manufacturing Facility, was named Miss Colorado on June 17. The University of Colorado student won scholarship money and the chance to compete for the Miss America title in September. ■

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# Historical...

(Editor's note: This is the sixth in a series of articles about Glenn L. Martin, and the dream upon which he built an aircraft empire and the company that became Martin Marietta. The series is courtesy of Martin Marietta Electronics & Missile Systems.)

**New York, 1916**—In a recent move organized by some of New York's biggest financial and automotive forces, the two aeroplane companies, Wright Brothers of Dayton, and Glenn L. Martin of Los Angeles, were merged to form the Wright-Martin Aircraft Corporation. A New York syndicate has acquired two of the three largest aeroplane manufacturing companies in the United States.

After Wilbur Wright died of typhoid fever in 1912, Orville Wright tired of the constant fight to protect the patents he and his brother had established. Legal fees were eating rapidly at his profits, and, when the opportunity came, Orville Wright sold out.

A New York-based syndicate out to acquire aeroplane manufacturing companies made offers to Glenn Curtiss and Glenn Martin. Curtiss had won a large contract to build 93 JN-4 multi purpose planes for the Signal Corp. His company also had built most of the planes for the government throughout 1915 and 1916. With that kind of success, Curtiss didn't need the syndicate, and turned them down.

Martin's contracts, on the other hand, were beginning to run out. The Dutch planes all were nearly complete. Government contracts were few and very small. The idea of being associated with the Wrights was not a disagreeable one. Syndicate representatives indicated to Martin his company would still operate under the Glenn L. Martin Company name, but as a subsidiary to the Wright-Martin Aircraft Corporation of New York. In New York, Martin would be vice president of aircraft production. It seemed like a good idea at the time.

It wasn't long before Martin and Wright realized their mistake. The syndicate, an unnamed but powerful group known as "the directors," made company decisions without their knowledge or input. The facilities of both companies were used to produce the standard SJ-1 tandem trainer, a plane Martin considered obsolete. When Martin's chief engineer, Donald Douglas, was replaced with Chance Vought, and Douglas subsequently quit for a job with the Signal Corp, Martin knew it was time to move.

A friend introduced Martin to Alva Bradley, then owner of the Cleveland Indians baseball team. Early in 1917, Bradley and some other Cleveland businessmen agreed to back Martin if he moved his aircraft company to their city. They also wanted the 30-year old Martin to give up flying—in fact, the contract stated that Martin could not be inside a plane when the engine was in operation. ■



## Company family event set for September 26

*The Righteous Brothers (inset) and Gladys Knight and the Pips will be featured in concert at the next company-sponsored family event. The concerts are scheduled for Saturday, Sept. 26, at 3 p.m. and 8 p.m. There are no reserved seats. Employees may obtain tickets from department administrators after Sept. 10. Those who did not reserve tickets, but would like to attend, may contact their department administrator after Sept. 10 to request tickets.*



## Family event features Zephyrs and Martin Marietta teams

*More than 20,000 people watched the Zephyrs beat the Nashville Sounds 10-3 at the second company-sponsored event this month at Mile High Stadium. Shown here are members of the Martin Marietta All-Star teams at the pregame exhibition. The National League beat the American League 13-9.*



# Employee Services/Recreation

**Scuba Diving and Travel**—The Fathom Dive Club will offer basic open water certification classes in September and October. A few spaces remain on the Oct. 22-26 trip to Los Cabos, Mexico. For divers, the \$560 price includes airfare, five days' hotel, and three days of diving. For non-divers, the price is \$455. For information, call Marty Chrastil, Ext. 1-9614 (work), or 979-4244 (home).

**LSC Toastmasters**—The group meets at 4:30 p.m. Wednesdays in the Training Room Mezzanine of the Software Center of Excellence at LSC. Contact Kathy DeWitt, Ext. 7-0397.

**Aerorider Club**—Aerorider, Martin Marietta's motorcycle club, meets the first Thursday of each month at the recreation area clubhouse. Employees are welcome to attend and learn more about the organization and activities. Call Paul Betthausen, Ext. 1-9051.

**Martin Marietta Singles Together**—The club is sponsoring a car rally for beginners Saturday, Oct. 3. The rally is open to all Martin Marietta employees. Those interested in helping or participating in the rally may contact Mark Dennis, Ext. 1-9309; Bernie Logsdon, 7-3947; or Mary Gain, 7-4791.

Club members and guests are invited to dine at the Morrison Inn on Sept. 10. Contact Don Smith, Ext. 1-1578, to make reservations. The monthly meeting will be a potluck at the Country Clubhouse at 5 p.m. Sept. 17. Contact Mary Gain, Ext. 7-4791.

**Alpine Club**—The fall schedule of the Rocky Mountain Alpine Club includes the following: Saturday, Aug. 29, at Roxborough State Park—introductory slide presentation and climb to Carpenter Peak; call Brian Gallagher, Ext. 1-8706. Sunday, Aug. 30—mountain bike trip at Breckenridge; call Steve Ahmann, Ext. 7-8693. Saturday, Sept. 12—Fern and Odessa Lakes, day trip; call Frank Farrell, Ext. 1-1576. Saturday, Sept. 19—Mt. Holy Cross two-day backpack trip, non-technical climb; call Rich Nicholson, Ext. 7-2495. Friday, Sept. 25—club barbeque and meeting at the recreation facilities. Look for details on recreation racks.

**Weight Watchers**—The Weight Watchers at Work program will be offered at the Waterton facility, Engineering Building, Executive Dining Room No. 2 on Tuesdays, 4:30-5:30 p.m., starting Sept. 22, and at Goddard Junior High School, 3800 W. Berry Ave., Wednesdays, 4:45-5:45 p.m., starting Sept. 23. To register, obtain a form from the recreation racks or from the Education Catalog and return with payment (payable to Weight Watchers) to: Employee Services, M.S. No. 1344, by Sept. 11.

**Archery Club**—The Red Rock Bowmen Archery Club will meet at 4:45 p.m. Sept. 8 in the recreation area clubhouse.

**Hunting**—The Skyline Hunting and Fishing Club will meet at 5 p.m. Monday, Sept. 14, at the club meeting room in the recreation area.

**Get a Fresh Start**—Free smoking cessation classes are offered to all Martin Marietta and Air Force personnel, spouses and dependents at Goddard Junior High School, 3800 W. Berry Ave., from 5-6:30 p.m. Each class consists of four meetings: Sept. 21, 24, 28 and Oct. 1; Oct. 12, 15, 19 and 22; Nov. 9, 12, 16 and 19. To register, obtain a form from the recreation racks or from the Education Catalog, and mail to Employee Services/Recreation, M.S. No. 1344, one week prior to the class you plan to attend.

**Mile High L5 Space Society**—The group will meet at 7 p.m. Friday, Sept. 11, in Presentation Room 103A at SouthPark West. Dr. Ben Clark will discuss the Mars mission design contract. For more information, contact Jeff Zerr, 790-3857.

**Ada Users Group**—The Martin Marietta Ada Users Group will hold an organizational meeting at 5 p.m. on Wednesday, Sept. 2, in Conference Room 133, Software Center of Excellence, Littleton Systems Center. All Ada enthusiasts are invited to attend. For more information, call Sushma Bockhorst, Ext 1-6513.

**3rd Annual Health Awareness Week**—More than 3,000 employees took advantage of health screenings available during Health Awareness Week, Aug. 10-14. In addition to blood pressure and cholesterol level tests, screenings were offered for diabetes and skin cancer. Of the 278 people checked for skin cancer, 84 were referred for further evaluation or treatment.

Staff from the Arapahoe Community College (ACC) Fitness Center measured the percentage of body fat composition of 900 employees and gave each person a computer printout explaining the results and offering recommendations. Employees who did not have the opportunity to do this evaluation can obtain a card from the Recreation office for a free fitness consultation at the ACC Fitness Center.

Employees also took advantage of informational literature provided by the American Cancer Society, United Way, Colorado Optometric Society, Martin Marietta's Employee Assistance Program and the Occupational Health and Safety department. Forty employees learned racewalk techniques from Viisha Sedlak at the racewalk clinic.



*Thelma B. Keller, a registered nurse from the Red Cross, checks the blood pressure of employee Jeff King. King was one of 3,000 employees who took advantage of health screenings available during the third annual Health Awareness Week, Aug. 10-14.*



Mile High  
United  
way