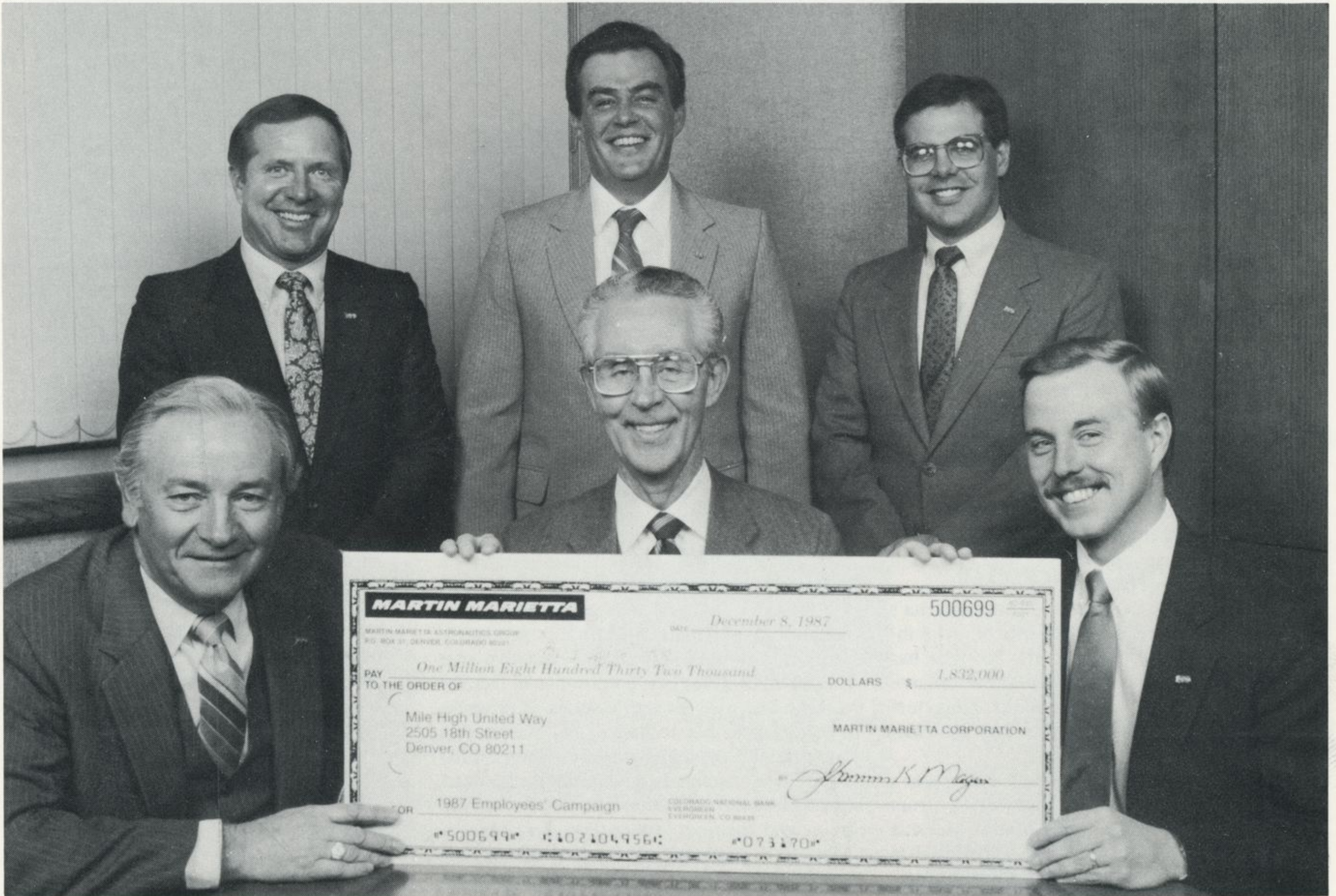


December 11, 1987 Number 24



Richard E. Weber, seated left, presents a check representing employee contributions to Rolland Hoffman, Mile High United Way president, and Tom Waters, United Way campaign director. Also participating are

James A. Schaefer, the United Way "loaned executive," standing left; Chuck MacLeod, United Way association campaign director; and Daniel E. Amerman, assistant Martin Marietta campaign director.

Employee pledges to United Way up 12.1 percent

We care.

That is the overwhelming message Martin Marietta employees sent to the Denver community recently during the Mile High United Way campaign.

Richard E. Weber, Personnel vice president and chairman of the overall Martin Marietta campaign in the Denver area, presented an oversized check to United Way officials Dec. 8, representing the \$1,832,000 all Martin Marietta employees in the Denver area pledged through payroll deductions for 1988.

That total is a 12.1-percent increase over last year's contributions. Weber also presented a \$115,000 check from the Martin Marietta Corporation.

Martin Marietta is one of three companies in

the Denver area whose employees contributed more than \$1 million. The other two are AT&T and U.S. West/Mountain Bell.

Rolland Hoffman, president of Mile High United Way, had a succinct message for Martin Marietta employees: "Thanks!"

"We care about people; about their welfare. Our employees have a heart. I think they realize that we're so much more fortunate than many others. I'd like to add my thanks to our employees for being willing to give to help those who are less fortunate," Weber said.

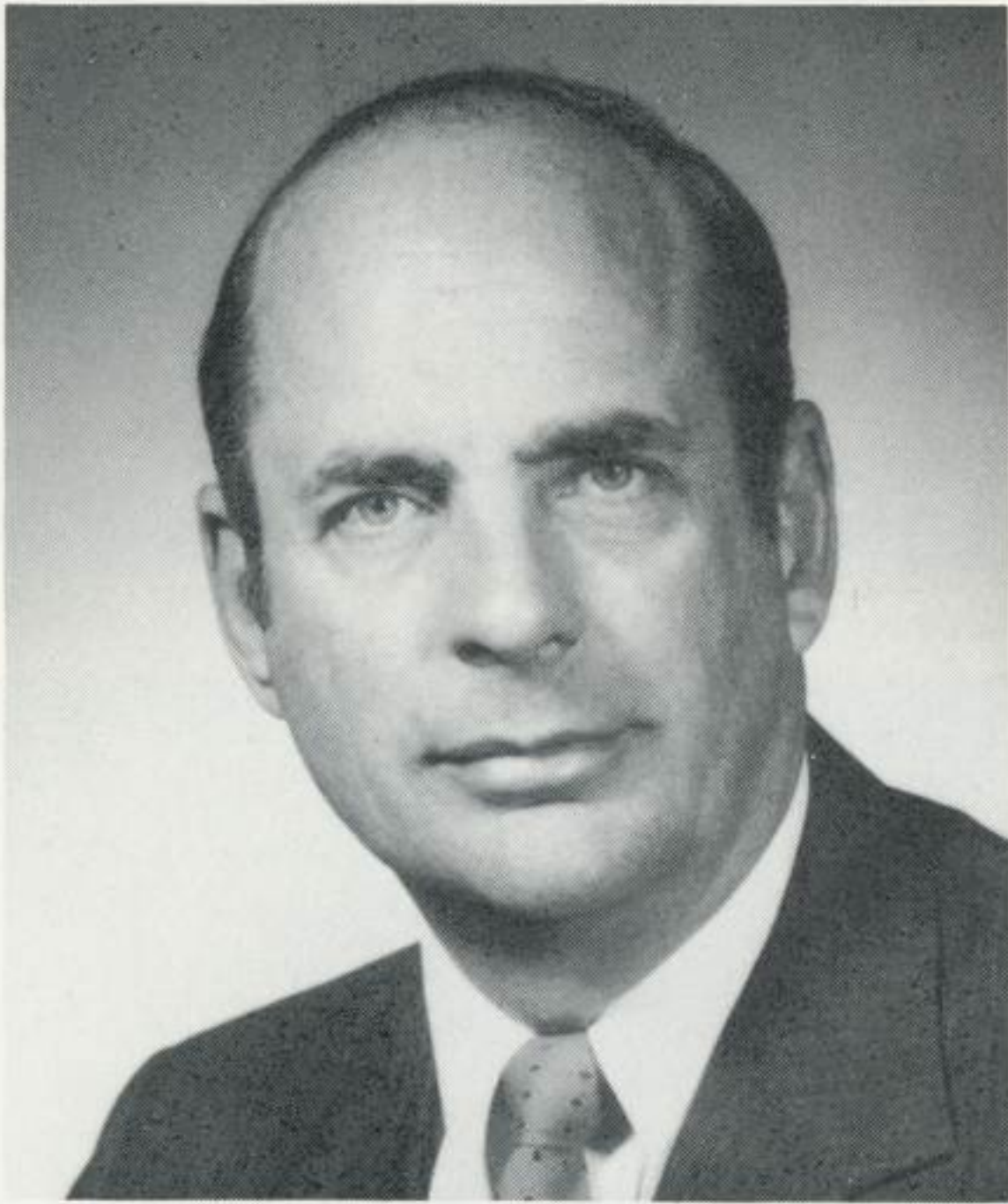
"In a particularly difficult economic year, Martin Marietta employees really made this campaign for us," Hoffman said. "You provided the largest single increase in contributions. We'll be able to maintain quality serv-

ices because of this increase. Martin Marietta people can feel good about that."

The Mile High United Way campaign raised \$24,064,000 in contributions and pledges—the largest amount ever raised for United Way or its predecessor agencies in this area.

Hoffman and Weber both noted significant increases in employee giving over the past few years. "Each year," Hoffman said, "more of your employees attend presentations about the United Way and gain an increased understanding of the good our agencies are accomplishing. That makes a real difference."

Weber also expressed appreciation for the assistance United Way representatives provided during the recent campaign. ■



Augustine



Hurtt

Augustine, Hurtt assume new posts

Two former Astronautics Group presidents have been promoted by Martin Marietta directors. Norman R. Augustine was named vice chairman and chief executive officer (CEO) and Caleb B. Hurtt was named president and chief operating officer.

The transition, effective Dec. 3, was announced by Thomas G. Pownall, who is relinquishing the responsibilities of CEO and will continue as board chairman.

Augustine, 52, has been Martin Marietta's president and chief operating officer and a director since April 1986. Hurtt, 56, who has been executive vice president since March 1987, also was elected to the board of directors and succeeds Augustine as president and chief operating officer.

Augustine, who has bachelor's and master's degrees in aeronautical engineering from Princeton University, joined Martin Marietta in 1977 after earlier executive experience at LTV Corporation and Douglas Aircraft Company. In 1973 and 1974, Augustine served as assistant secretary of the Army for research and development and from 1975 to 1977 was undersecretary of the Army.

Augustine was appointed vice president of Aerospace Operations with responsibility for engineering, production, quality, strategic planning, capital expenditures and interna-

tional programs in 1980, and two years later was elected a corporate vice president and president of the Astronautics Group at Denver. Augustine was named senior vice president of the corporation in 1985, with primary responsibility for the Information Systems Group. Later in 1985 he was named executive vice president and in January 1986 was elected president, effective April 1 of that year.

Hurtt has been a vice president of the corporation since 1980 and was senior vice president in charge of Martin Marietta's aerospace activities before he was elected executive vice president. He joined the corporation at Denver in 1956 and rose through a series of progressively responsible technical and managerial assignments, serving as vice president for Program Development; vice president for Manned Space Systems, a position in which he was the principal project executive for Martin Marietta's participation in NASA's Skylab space station project; and as vice president and general manager before being named president of the Denver operation.

Hurtt is a native of Ridley Park, Pa., and a graduate of Stevens Institute of Technology. He was a Public Affairs Fellow at the Brookings Institution and attended Harvard's Advanced Management program. ■

Air Force awards contract for 13 additional Titan IV launch vehicles

Martin Marietta Corporation has been awarded a \$1.97 billion Air Force contract to build and launch 13 additional Titan IV space launch vehicles and activate a launch facility at Vandenberg Air Force Base, Calif.

The award by the Air Force's Space Division brings to 23 the total order for Titan IVs—the most powerful version of the Titan booster. The vehicles will launch large payloads from Vandenberg AFB and Cape Canaveral Air Force Station, Fla.

Space Launch Systems at Denver is performing development, production and launch services for the Titan IV. A growth version of the highly reliable Titan III space launch system, the Titan IV has stretched first and second stages, two seven-segment solid-propellant rocket motors and a 16.7-foot diameter payload fairing.

The Air Force plans the initial Titan IV launch in late 1988, with an eventual launch rate of six per year. ■

Deadline set to change coverage

The employee benefits office reminds Denver-based employees of the Dec. 23 deadline to change health or dental care providers for 1988.

Employees who want to change coverage must submit forms that were mailed to home addresses to the Benefits Office, Mail Stop DC 1343. For more information, call the Benefits Office, Ext. 7-4928 or 7-5680. ■

Counsel's corner

Most people who have been employed in the aerospace industry know it is illegal to give gifts to public officials.

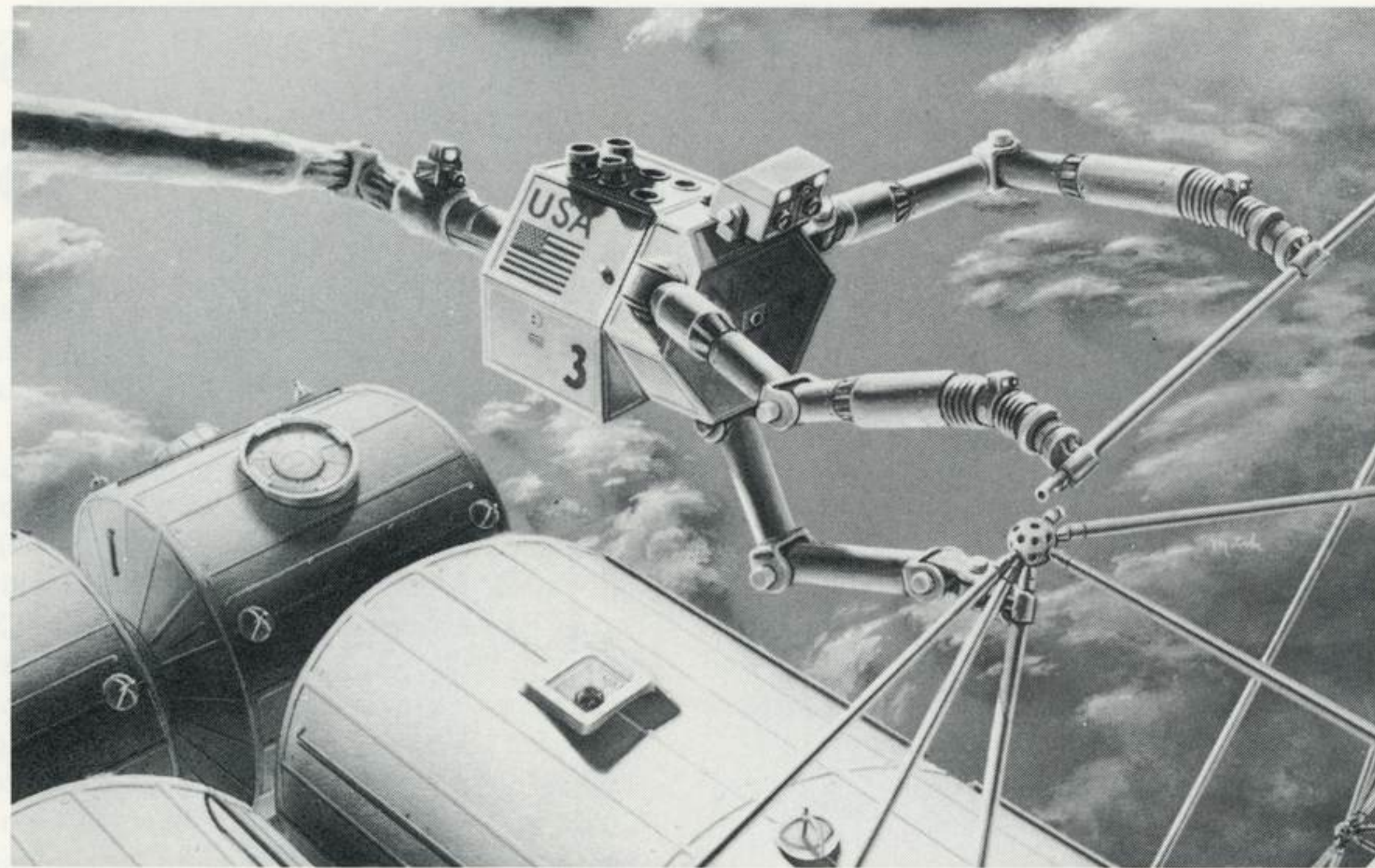
The federal illegal gratuities statute prohibits any offer to or solicitation by a public official of gifts made for or because of an official act. The courts have interpreted this statute broadly to apply to any situation in which the judgment of a government agent might be affected by payments or gifts made to him because of his position.

This statute, therefore, is unlike the federal bribery statute that requires that the offender specifically must intend to influence an official or his actions with a bribe. That is, unlike bribery, a person offering an illegal gratuity to a public official need not have a corrupt motive. For example, a gift given after the fact for an official act that would have been performed anyway is sufficient to sustain a federal conviction for giving an illegal gratuity. In all instances, however, there must be some connection between the official act and the offer or solicitation of the gratuity. Some government investigative agencies' attorneys have suggested that in today's environment a court would hold that merely purchasing lunch for a public official could constitute an illegal gratuity. In fairness, it must be kept in mind that to be liable under the statute, however, the public official must be performing an official act and not pursuing some private end.

The management of Martin Marietta Astronautics Group does not condone and will not tolerate improper or illegal conduct by any employee within the organization. Martin Marietta wishes to maintain its reputation as an ethical and honest government contractor. This only can be accomplished if its employees ascribe to that same standard.

If a government official solicits a gift from an employee or an employee is directed to deliver a gift to a government official, the employee must immediately notify one of the attorneys in the Astronautics Group legal department, Ext. 7-6008.

People



One version of a space robot operates in orbit in this artist's concept. The space robot assembles part of NASA's space station scheduled for operation in the mid-1990s. Both versions of the space robot use three robotic arms, one for stability and two to do the work.

Martin Marietta awarded NASA contract to study space robot

Martin Marietta has been awarded a competitive contract to study a new space construction worker—a robot that will help astronauts build the U.S. space station in the 1990s.

The Space Systems company received the \$1.5 million contract from NASA's Goddard Space Flight Center in Greenbelt, Md., to study a space robot known as the flight telero-botic servicer. Martin Marietta was one of two companies receiving parallel contracts. At the end of the nine-month study, NASA plans to choose one contractor to develop and build the robot.

As envisioned by NASA, the robot will enable astronauts to direct routine assembly and maintenance work without leaving the space shuttle or the space station. The servicer will be equipped with multiple robotic arms, video cameras for viewing, advanced computer programming, and provisions for artificial intelligence, which simulate the human reasoning process.

"By enabling astronauts to do assembly

work without leaving the shuttle or space station," said Steven Ducsai, program manager for the system, "the servicer will enhance crew productivity and safety."

NASA eventually expects the system to perform complex tasks with a single command. For example, an astronaut will be able to direct the system to "refuel satellite," or "inspect thermal system," and the robot will do the task without further specific instructions.

The robot will be launched in the mid-1990s aboard the first shuttle flight ferrying space station equipment to orbit. The robot will aid in initial assembly operations, and later, when the space station is built, will inspect and maintain parts of the station and other spacecraft returned to the station's servicing facility.

Under the contract, Martin Marietta also will study using the system with an orbital maneuvering vehicle, a self-propelled rocket system able to leave the station to service satellites in other orbits. ■

First two auditor awards presented



Mathis



Martin

The first two auditor-of-the-month awards were presented at the November audit committee meeting. Recognition went to Claudia Mathis for September, and Al Martin for October. The new awards will be given monthly for auditing excellence. Peter B. Teets, president, Astronautics Group; Arnold Roane, director of administration; and Tom Hall, manager of the Astronautics Group audit, presented the awards. The audit department reviews compliance with policies and procedures and evaluates major operating systems within the Astronautics Group. ■

• J. Carroll Curlander, chief engineer of Space Launch Systems, and his wife, Shirley, have at least nine claims to fame. Their nine children have received 15 university degrees, eight from the University of Colorado (CU), with seven of those from the College of Engineering. The Curlander family holds the record at CU for having the most siblings in Tau Beta Pi (the national engineering honorary society), and all were initiated into the Colorado Beta chapter. The family was featured in a recent issue of the CU newspaper. Curlander also was a member of Tau Beta Pi while he attended the University of Maryland. He has 41 years with Martin Marietta, starting work in Baltimore in 1946 after leaving the Navy.

• Dr. James A. Bowman, manager, Titan Program Engineering, Space Launch Systems, and his wife, Joan, sent 11 sons and daughters through college. The siblings range in age from 42 to 25 years and have a combined college total of 44 years. Three are employed by the Astronautics Group. Nine graduated from college, including Michael, University of Colorado; William, Colorado College and CU Medical School, where he obtained a medical degree in dermatology; Robert, CU; twins Bruce, a planner, and Barbara, a cost account manager, both on Titan IV, and both graduates of the University of Southern California; Peter, Northwestern University, (Dr. Bowman's alma mater, where he obtained a PhD in physical chemistry in 1950); Paul, University of Denver (DU), who works on the Transfer Orbit Stage; Andy, also DU, working with a substance abuse program in Denver called Boost Alcohol Consciousness Concerning the Health of University Students; and Jean, Colorado State University. David has two years at CU and DU, and Patty obtained her associate of arts degree from Los Angeles Harbor College, Calif. Bowman, who joined the company in June 1958 in Denver, also is teaching engineering thermodynamics at night at CU-Denver.

• Jeffrey Mayfield, the 18-year-old son of Thomas and Katherine Mayfield, has been named company honorman for Recruit Company 147 at the Navy's Recruit Training Command in San Diego, Calif. He was selected from among the 81 recruits in his company who graduated from boot camp Oct. 3. Mayfield is a manager of marketing in the International department. The couple's daughter is a Navy journalist assigned to the Navy Public Affairs Center in San Diego. ■

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Waldron commended for suggesting new documentation method

Leon J. Waldron, a senior engineer, devised a way to reduce the number of pages reproduced in change summary documentation. His idea was approved by the Small ICBM program, and Waldron was commended for saving time and material. John R. Adamoli, vice president and program director of the Small ICBM assembly, test and system support program, far right, congratulates Waldron.

U.S. Army selects Martin Marietta to build anti-aircraft defense system

The U.S. Army has selected the Martin Marietta Corporation ADATS mobile air defense system for its Forward Area Air Defense Systems (FAADS).

The selection follows a comprehensive Army testing program that evaluated four competing air defense systems. ADATS, which stands for Air Defense Anti-Tank System, was the only U.S.-designed system in the test program for the element of the FAADS that protects front-line forces from attack by helicopters and fixed-wing aircraft.

The Army and the Martin Marietta Electronics & Missiles Group in Orlando, Fla., will begin negotiations immediately on a contract that will include deliveries of the first four units beginning in 1988 for an operational test phase of the project. The Army has identified a need to field up to 562 ADATS units.

The ADATS system automatically tracks

and destroys airplanes and helicopters by using advanced electro-optical technology and laser beam-riding missiles that travel at more than three times the speed of sound. ADATS is capable of tracking up to 10 targets simultaneously, while resisting hostile countermeasures, and can operate in a wide range of battlefield environments, including darkness and adverse weather conditions.

"As it demonstrated in extensive Army field tests conducted recently at White Sands, N.M., ADATS offers the most effective, reliable, and technologically advanced battlefield defense against enemy helicopters and aircraft," said A. Thomas Young, president of the Electronics & Missiles Group. "The ADATS design allows the flexibility to incorporate technological improvements as they are developed, thus extending the system's effectiveness well into the next century."

Volunteers needed for holiday program

For the past 28 years, Operation Santa Claus, a non-profit organization of employees, has provided holiday cheer for needy children and families in the greater metropolitan area.

Donations and efforts of Astronautics Group employees have brightened the holiday season for more than 8,800 children. Area social services agencies have recognized employees' efforts as the largest single continuing volunteer program of its kind in the region.

This year, Operation Santa Claus will provide food, clothing and toys to more than 700 children in 200 families on Thursday, Dec. 17. That means raising about \$35,000 and finding about 250 volunteers.

"If each of us gave only \$3, the program could be fully funded," said George McCone, the program's chairman. "There are so many families that need help . . . selecting the families becomes a highly emotional job."

Floyd Teiffel heads volunteers who are collecting funds this year. Employees can contact him at Ext. 7-8122 to give tax-deductible gifts. James Spaulding heads the toy committee, and Kenneth Thompson heads the food committee, working with Kings Soopers employees.

Volunteers to deliver packages will meet in the Fellowship Hall at St. Mary's Church, 6843 S. Prince St., Littleton, to select families and wrap toys.

Operation Santa Claus depends on the efforts of volunteers. Anyone may volunteer by contacting Dwaine Schilling, Ext. 7-3614.

Donations may be given to one of the following: Space Systems—John Hannigan, 7-8705; Astronautics Group—Betty Purkey-Huck, 7-6922; Joy Archibald, 7-5088; or Jan Dolan, 1-7685; SLS and Commercial Titan—Ken Hogland, 1-1859; or Strategic Systems—Nadine Holder, 7-8121. ■

Rebriefings held

Security awareness rebriefings are scheduled Dec. 11-18 for Denver Astronautics Group, Information & Communications Systems, and Commercial Titan employees who were unable to attend briefings conducted in October and November.

The rebriefings, which last about 30 minutes, stress the importance Martin Marietta places on protecting classified and proprietary information. Employees who have not attended a rebriefing must attend.

Schedules with specific times and locations have been distributed throughout Astronautics Group facilities, and will be posted on public relations' bulletin boards.

Employees who need additional information should ask their onsite security representative, or call the Security office, Ext. 7-3905. ■

SIP values

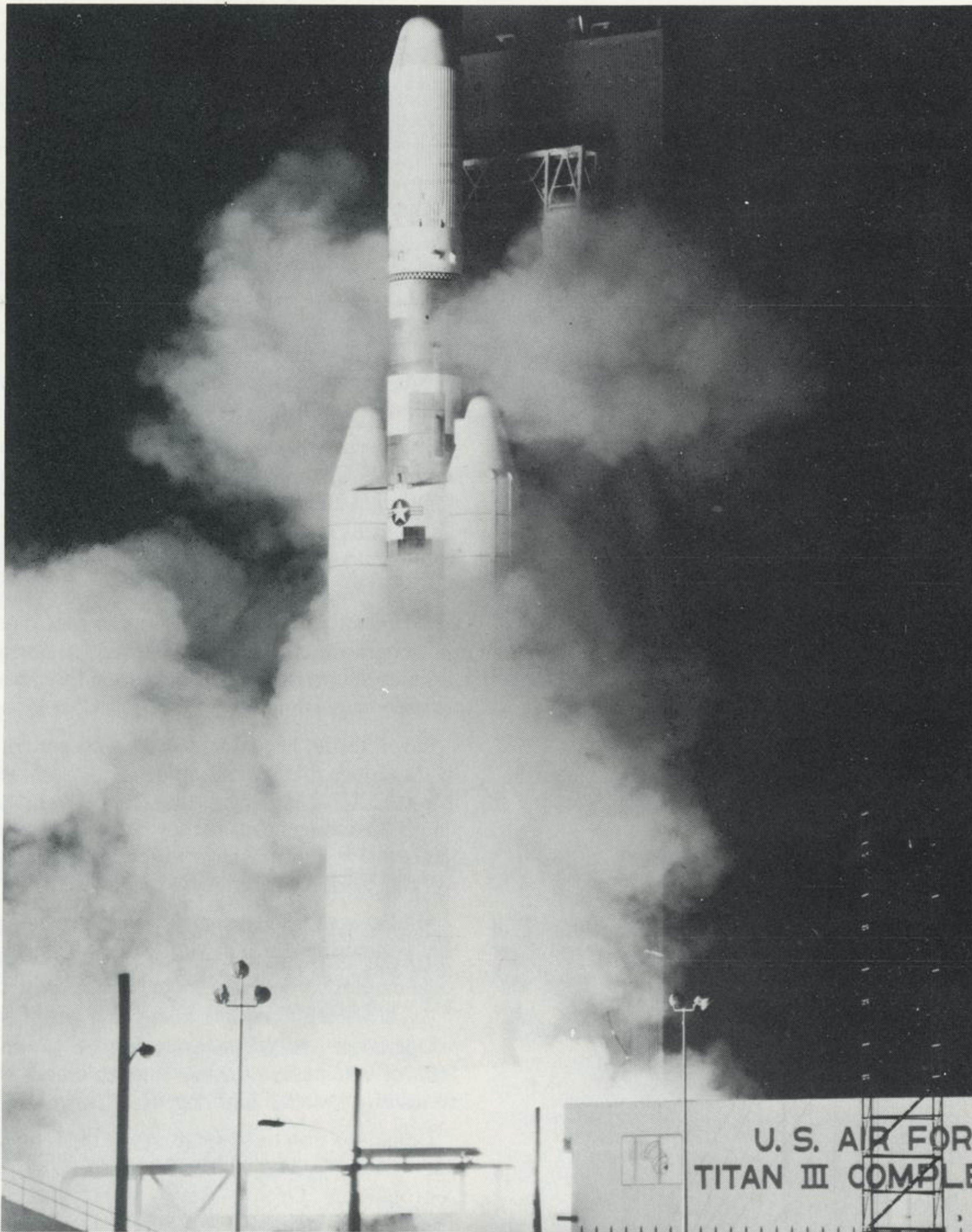
Unit values for the savings and investment plan (SIP) for employees represented by United Aerospace Workers and United Plant Guard Workers of America in October (September values in parentheses) are:

Fund A:	
0.9027353266	
(indexed equity)	1.1565175331
Fund B:	
1.0228900066	
(fixed income)	1.0200531707
Fund C:	
0.8011810049	
(company stock)	1.1289511068

PSP values

Unit values for the performance sharing plan (PSP) for salaried employees in October (September values in parentheses) are:

Fund A:	
4.1044445007	
(indexed equity)	5.2335514137
Fund B:	
2.7946963185	2.7717141004
Fund C:	
4.0859309031	
(company stock)	5.7154348394



The Titan 34D was successfully launched from Cape Canaveral Air Force Station, Fla., at 10:27 p.m. EST, on Nov. 28, marking a major step in America's space launch recovery program, the Air Force said.

Air Force launches Titan rocket

The third successful Titan launch this year was Nov. 28 at Cape Canaveral Air Force Station, Fla., bringing the Titan III operational launch success record to 132 of 137.

The Air Force Titan 34D carrying a classified military payload was launched at 10:37 p.m. EST. The launch, and the successful Titan 34D launch from Vandenberg Air Force Base, Calif., on Oct. 26, are major steps in America's space launch recovery program, the Air Force said.

"This launch, along with last month's launch from Vandenberg AFB, Calif., demonstrate our operational launch capability from both the East and West coasts," said Edward C. Aldridge Jr., secretary of the Air Force. "It also emphasizes our confidence in the Titan launch system and its ability to launch critical national security payloads in support of America's space launch recovery program."

The two recent launches are the result of a year-and-half long recovery program begun shortly after the April 1986 Titan 34D launch failure at Vandenberg AFB.

"These two successful launches confirm the importance of a strong national space launch recovery program. The Titan launch vehicle has been a sturdy workhorse for the Air Force for many years and will continue to be as we introduce the Titan II and Titan IV to our inventory next year," Aldridge said. "There are many positive trends in America's space program, trends that provide us assured access to space a robust launch capability well into the next decade."

The Titan booster was built by Space Systems. Martin Marietta has contracts to develop, produce and launch four Titan launch systems. ■

School registration set for next week

Briefings and registration for spring classes have been scheduled Dec. 15 and 16 for three programs coordinated by the Educational Services department.

Orientation for University of Colorado CA-TECS classes will be at 3:30 p.m., Wednesday, Dec. 16, in the Deer Creek auditorium. Registration will take place at 4 p.m. The deadline for mailing registration is Dec. 23.

A briefing for SURGE classes through Colorado State University will be at 3:30 p.m., Tuesday, Dec. 15, in the Deer Creek auditorium, located at the north end of the reception level. Students may register for spring 1988 SURGE classes from 4-4:30 p.m. The deadline for registration is Dec. 23.

Sheila Bell, coordinator for the University of Denver master's degree in systems management program, will conduct a briefing at 11 a.m., Wednesday, Dec. 16, in the Technical Support Building, Conference Room 501. Continuing and new students may register for the January term from noon until 1 p.m.

For more information, contact Educational Services, Ext. 7-3736, 7-4050, or 7-5698. ■

Ethics code makes no exception for holiday

During the Christmas holiday season, the corporate Ethics Office receives a number of queries regarding the propriety of accepting gifts, invitations or other gratuities from suppliers. "The answer is 'no;' the season makes no difference," according to Winant Sidle, director of the corporate Ethics Office.

The subject is well covered in the Martin Marietta Code of Ethics and Standards of Conduct, which states: "Martin Marietta personnel are not permitted to accept gifts from individuals, firms or representatives of firms who have or seek business relationships with Martin Marietta."

Also: "Federal, state, and local government departments and agencies have regulations concerning acceptance by their employees of entertainment, meals, and gifts from firms and persons with whom the departments and agencies do business or over whom they have regulatory authority. Martin Marietta employees may not give, or offer to give, to such government employees any entertainment, meal, or gift regardless of value."

Both the Astronautics Group Ethics Office and the corporate Ethics Office are available to answer questions about the Code of Ethics. The Astronautics Group Ethics Office may be reached at Ext. 7-6103; Corporate office numbers are 1 (800) 338-4427 or MARCALL 356-9400.

Employee services

Discount Ski Lift Tickets—The Employee Services/Recreation office will not offer Vail tickets this year. Employees can purchase them at any King Soopers store for \$27.00. Breckenridge tickets are available at Albertson's, Breeze Ski Rentals, Dave Cook, Gart Bros. or Safeway stores for \$21.00. Winter Park tickets are \$22.00 starting Dec. 12 at Safeway, Gart Bros. and Breeze Ski Rental stores. Keystone lift tickets are sold at 7-Eleven Stores for \$22.00 and can be used at Keystone, North Peak and Arapahoe Basin. Tickets for A-Basin only are \$19.00. Copper Mountain tickets are available for \$22.00 at any Vicker's gas station. The \$22.00 lift ticket may also be purchased at the ski area by showing a Copper card.

Copper Cards for Sale—The Copper Card provides a free day of skiing after April 1, 1988, at Copper Mountain and offers discounts on lessons, lodging and restaurants. Cards are available from the Employee Services/Recreation office for \$7.00 through Feb. 18, 1988. Purchase card from the Employee Services/Recreation office or from volunteer recreation representatives.

Rocky Mountain Alpine Club—The club will meet at 6 p.m., Friday (tonight), in the club meeting room at the recreation area. New members and families are welcome. Munchies and beverages will be served. Contact Steve Ahmann, 7-8393.

Activities include: Dec. 12, cross-country ski day trip to Middle St. Vrain for beginners and intermediates. Contact: Frank Farrel, 1-1576; and Dec. 19, cross-country ski day trip to Butler Creek for beginners and intermediates. Contact: Rich Nicholson, 7-2495.

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

Parapsychology Club—Members meet monthly from 5-7 p.m. on the third Thursday in the LSC cafeteria. The next meeting is Dec. 17. Guests are welcome. Corporate policy requires that guests be 16 or older. The employee is responsible for providing an escort for his or her guests. Name of guests must be given to Jan Winkel, Ext. 7-7814 (DSC), or Helen Hussander, Ext. 1-6887 (SPW-II), 24 hours before a scheduled meeting.

Commodore Users Group—Members and guests will meet Tuesday, Dec. 15 in the club meeting room at the recreation area. Contact: Chuck Barton 7-9950.

AF Space Command awards \$6 million contract to I&CS

The Air Force Space Command has awarded Information & Communications Systems a \$6 million, five-year contract for the Operations Briefing Support System (OBSS).

OBSS is a mission-critical system that will be used by the North American Air Defense Command (NORAD) and Space Command decisionmakers to assimilate management information based on various operational databases. OBSS will generate, organize, store and present sequences of textual, tabular and graphic displays throughout a network of workstations.

Workstations will be located in command posts and operations centers in Cheyenne Mountain, Peterson Air Force Base and Falcon Air Force Station. An initial test OBSS system will be installed at the Test, Development and Training Center near Colorado

Springs. This system will be used first by the government for familiarization and operational evaluation. Later, the test system will provide a prototype of new displays and integration testing of I&CS-provided enhancements.

The initial operational system is planned to connect the NORAD command post and eight mission centers in Cheyenne Mountain with the Space Operations Center at Peterson Field. During system installation, the I&CS OBSS team will train 200 government personnel as system operators and administrators. The contract also calls for continuing engineering analysis, design and development to customize OBSS in the evolving operational environment, and to extend OBSS capabilities to other facilities at Peterson Field and Falcon AFS.

Dave Breuker is OBSS project manager. ■

30-year service recognized



Employees with 30 years' service in August or September 1987 are, standing, left to right: Ernie Copeland, Richard Eberle, Eugene McKay, Don Stanley, Stan Albrecht, Virgil Kraft, Norm Fox, Duane Vandeventer, Ron Treacle, Dewane Shumaker, Walt Teegarden and Donald Williams. Seated, left to right: Larry Major, Gary Mueller, Jerry Smallin, Edward Kirchoff, George Babbitt, Paul Mular, Robert Glover and John Lamb.



Standing, left to right: Sam Lukens, Tom Jenkins, Bill Miles, Duane Lindner, Jerry Boxler, Willis Burr, Tony Lilly, Bob Killian, Lloyd Trujillo, Gerry Bombardier, Arthur Howard and Dave Lloyd. Seated, left to right: Fred Bikle, Rocky Johnson, Art Naranjo, Elis Mims, Pattie Cassel, Clyde Shear, Ray Brown and Nils Gunderson. Not pictured: Virgil Jaramillo and Phillip Kalaher.