

May 27, 1987

Number 10



Modal survey conducted on postboost vehicle shroud for the Small ICBM

Craig Stein, lead test conductor, standing on the ladder and Charlie Cannon, dynamics engineer, with his ear to the vehicle, conduct a modal survey on the postboost vehicle (PBV) shroud for the small intercontinental ballistic missile (Small ICBM). The modal survey, which was conducted in the Reverberant Acoustics Lab, is a structural dynamics test to verify frequencies, mode shapes, damping and fre-

quency response of the PBV shroud. This is part of a series of tests that will lead to completion of the first ground test missile for use as a pathfinder for the first flight test, scheduled for the third quarter of 1987. Denver Aerospace is the assembly, test and system support contractor for the Small ICBM. The company also builds the postboost vehicle.

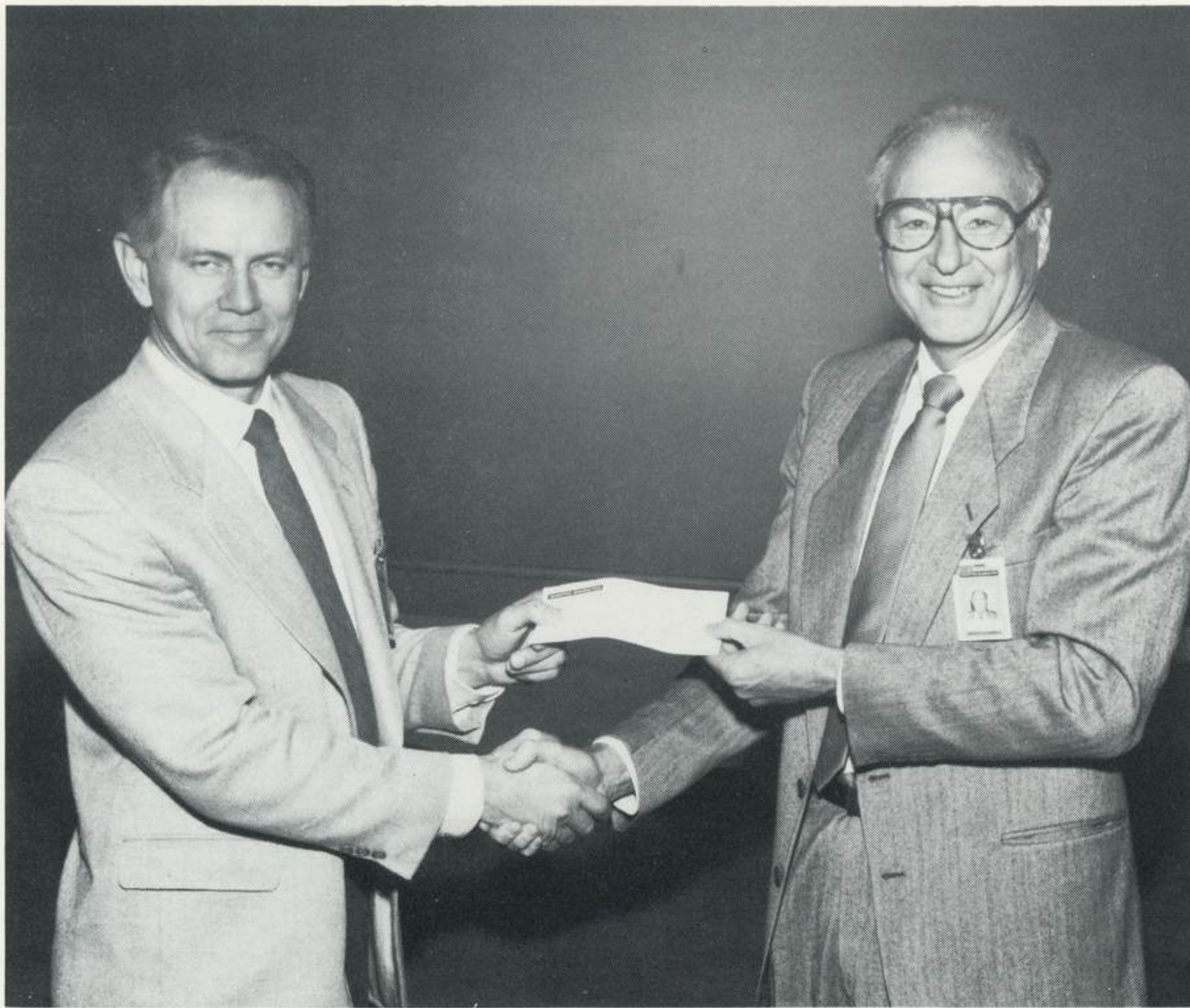
Reagan commends Special Programs

A citation from President Reagan honored Special Programs in "Recognition of Outstanding and Dedicated Support" at a recent ceremony attended by more than 250 government and industry representatives. The group gathered to celebrate the tenth anniversary of Special Programs, Military Space Systems, and honor 40 persons who have been in Special Programs since its inception.

The Reagan citation stated: "This effort is vital not only to America's own security, but the well-being of every human being on earth. Each of you is helping to push back the frontiers of knowledge and bring world peace a step closer to reality. Future generations will look with pride and gratitude on your achievements. I join the American people in offering my deepest thanks for a job well done. Your hard work, resourcefulness, and dedication are helping to keep our nation strong and free. God bless you."

The customer, who reflected on the extraordinary cooperation between government and contractors during the ten years, presented a special award to Peter B. Teets, Denver Aerospace president, on behalf of the company and all Special Programs employees.

The following 40 employees received special coffee mugs presented by Rex Sjostrom, program manager and vice president: Keith Bacon, Bob Baker, Cathy Bottoms, Dick Brier, Neil Butterfield, Jim Byers, Bob Cary, Roy Diaz, Hal Emery, John Epperson, Rod Fowler, Andy Garcia, Bill George, Gary Griffith, Walt Gross, Bob Hemphill, Russ Hermanson, Fred Jackson, Andy Kancir, Bob Krause, Jack LaSharr, Fred Michel, Bill Mielke, Al Nash, Harlan Nassen, Gary Rea, Neil Reese, Burth Reynolds, Ed Robins, Ralph Schmidt, Ray Shedko, Jim Shepp, Maury Shumaker, Gene Shirley, Rex Sjostrom, Larry Spletstoser, Bob Treat, Jim Tuttle, Tom Watson and Ray Weinrich. ■



Denver Aerospace donates funds to AIAA

Warren G. Beery, vice president, Technical Operations, right, presents a \$2500 donation from Martin Marietta to Virgil F. Young, chairman of the Rocky Mountain section of the American Institute of Aeronautics and Astronautics (AIAA) Council, and director of electronics for Denver Aerospace, during the recent fifth annual AIAA Rocky Mountain Student Conference.

Hughes chooses Martin Marietta's Titan III for 1989 JCSAT-2 launch

Hughes Communications, Inc., a unit of GM Hughes Electronics, and Martin Marietta Corporation, announced May 15 that the second satellite for Japan Communications Satellite Company (JCSAT) will be launched aboard a Titan III commercial launch vehicle.

JCSAT-2 will be the first commercial payload launched on Titan III. The launch is scheduled for the summer of 1989 from launch complex 40 at the Cape Canaveral Air Force Station, Florida.

John E. Koehler, HCI president and chief executive officer, cited Titan's long history of high reliability and an early launch date as key factors in the selection of Martin Marietta to launch JCSAT-2. "We have obligations and commitments to JCSAT and our Japanese customers that we are anxious to fulfill," he said. "We chose Martin Marietta for its solid launch success record and assurance of an early launch date." The Titan III family has a 96.3 percent success rate in 135 operational launches since 1966.

JCSAT is a joint venture between C. Itoh & Co. (40 percent), Mitsui & Co. (30 percent), and Hughes Communications (30 percent). JCSAT President Hiroshi Kamiya said, "We are very pleased that Hughes has selected Martin Marietta's Titan III launch vehicle for

the launch of JCSAT-2. The proven performance record of this vehicle gives us high confidence that our second satellite will be launched safely and on schedule."

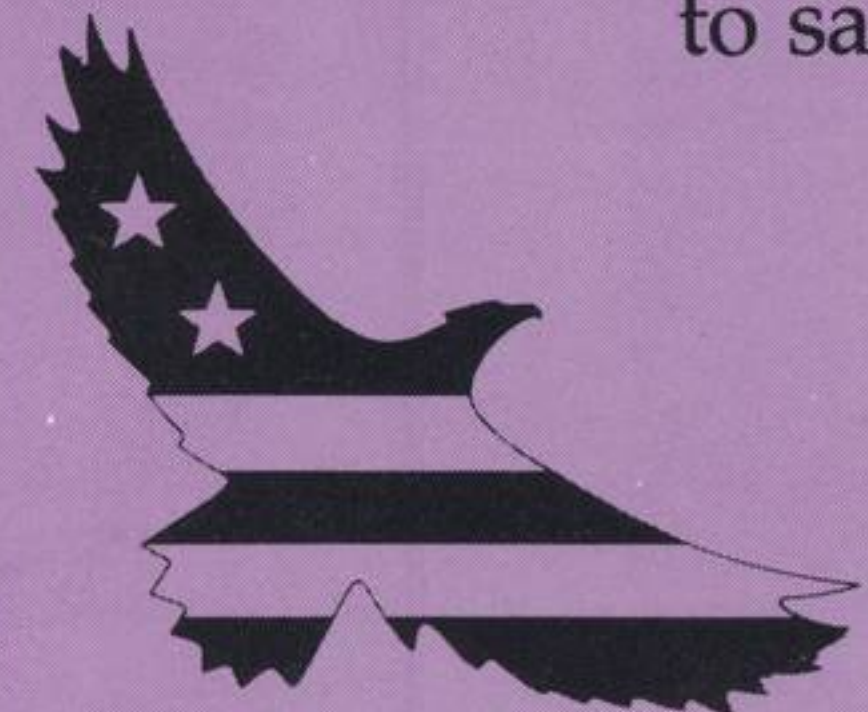
Richard E. Brackeen, president of Martin Marietta Commercial Titan Systems, said Hughes's selection of Martin Marietta is the final step before signing a formal launch contract, details of which are being finalized. "We're pleased that Hughes has selected Titan, a launch vehicle that has demonstrated its reliability in more than 20 years of operation for the U.S. Air Force and NASA," he said.

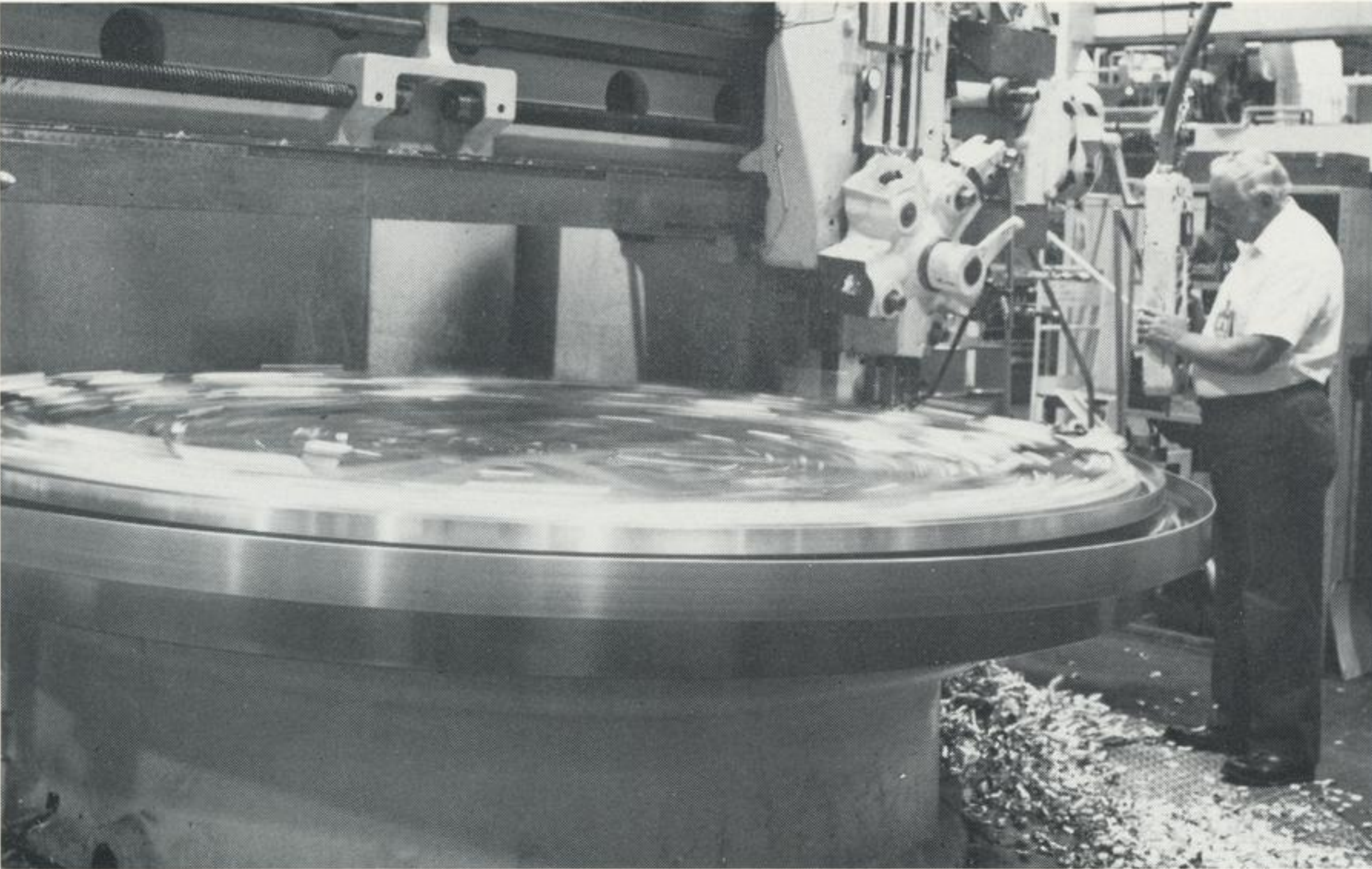
The commercial Titan III, which has a 4-meter diameter payload fairing, can launch dual satellites into geosynchronous orbit and payloads in excess of 31,000 pounds into low-Earth orbit. The Hughes JCSAT agreement with Martin Marietta calls for Titan to insert JCSAT-2 into low-Earth orbit. The weight of the satellite in this configuration will be 14,700 pounds.

Hughes Aircraft Company is building the Turnkey Satellite System for JCSAT, which will consist of two high-powered HS 393 KU band satellites, plus telemetry, tracking, and control stations located at Yokohama and Gunma Prefecture, Japan. ■

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Marvin E. Spencer, a lathe/machinist in the machine shop, is shown machining a detail part on the Betts vertical turning machine.

The Titan tradition continues

(Editor's note: This article by George Lawrence, manager, Titan programs manufacturing, is the second in a series of articles and photos following a Titan IV through production.)

Much has been said about teamwork and its importance to accomplishing a task efficiently. Seldom is the concept of teamwork more evident than in bringing all of the required disciplines together to build the Titan IV—the mammoth launch vehicle—on time, and within the assigned budget.

Under the guidance of Bob Bassett and Jim Eastham, general foremen, and Don Shanahan, chief, more than 200 members of detail manufacturing have been busy producing Titan IV mechanical details required in assembly operations on the second floor factory.

These frontline members of the manufacturing team are backed by a support staff that includes engineering, manufacturing engineering, industrial engineering, production control, materiel, quality control personnel, and management, all of whom must know the schedule, and work toward that common goal of delivering quality hardware, on time and



Andy Oden checks the contour on Titan IV barrel skins.

within budget.

The importance of each person's job is brought to light when one item of the Titan vehicle inventory stops the flow of the entire production line.

Continued success of the Titan IV depends on the skill and dedication of the detail manufacturing group and its support staff. ■

Open enrollment to end May 29

All forms for enrollment or modifications in the performance sharing plan (PSP) for salaried employees, and the savings and investment plan (SIP) for hourly employees, must be returned to the employee benefit office by Friday, May 29, for changes to become effective the first full pay period in July.

During open enrollment, salaried employees may change the percentage of payroll deductions and the tax mix. Hourly employees may change the percentage of their payroll deductions. ■

PSP values

Unit values for the performance sharing plan (PSP) for salaried employees in March (February values in parenthesis) are:

Fund A	(Indexed Equity)
4.6601749377	(4.5357864830)
Fund B	(Fixed Income)
2.6365533698	(2.6145321169)
Fund C	(Company Stock)
5.1771177106	(4.8366713240)

SIP values

Unit values for the savings and investment plan (SIP) for United Aerospace Workers (UAW)- and United Plant Guard Workers of America (UPGWA)-represented employees in March (February values in parentheses) are:

Fund A	(Indexed Equity)
1.0687044200	(1.0420738462)
Fund B	(Fixed Income)
1.0205889517	(1.0125680778)
Fund C	(Company Stock)
1.0779617395	(1.0288275343)

MARTIN MARIETTA NEWS

Published by Public Relations

Editor Jan P. Timmons

MARTIN MARIETTA

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Prepared and produced by the publications department

DENVER AEROSPACE

P.O. BOX 179—Denver, CO

May 27, 1987



Credit Union Clips

Savings bonds available at the credit union

Savings bonds purchased through the Red Rocks Federal Credit Union will be credited to the Martin Marietta savings bond drive, credit union officials said. The credit union offers bonds for purchase in increments of \$25, \$50, \$75, \$100, \$1000, \$2000, and \$5000.

"We believe that savings bonds are a wise investment," said Susan Webb, credit union loan officer. "The purchase of savings bonds helps support the government, Denver Aerospace, and the credit union," she added. Call 797-2900 for further information.

Employee services/recreation

Aeroriders—The motorcycle club will meet at 5 p.m. Thursday, June 4, at the recreation clubhouse. A breakfast/drag race event will be held on Sunday, May 31, leaving at 9 a.m. from the Village Inn, Hwy. 285 and Wadsworth, to the Marc Singers restaurant, then to Bandimere Speedway for drag racing championships. For reservations, call Ron Hakanson, Ext. 1-7473, or 233-2952, by May 28.

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

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

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

Skyline Hunting and Fishing Club—The club will hold hunter education classes May 26-30 and June 1, from 7 p.m.-9:30 p.m. on week nights and 8 a.m.-1 p.m. on Saturdays. The cost is \$7. For information, call Dick Benson, 985-3728 (home). Employees do not need to pre-register. There must be a

minimum of ten students at the first class to continue the classes; all six classes must be attended. The class also will be offered next month.

Singles Together—The Martin Marietta club for single employees will hold a Hawaiian Day from 2 p.m.-6 p.m., Saturday, May 30, at the company recreation area. Activities will include softball, volleyball and a picnic. Beverages and charcoal will be provided. Bring your own food to cook. The cost is \$1 for members and \$2 for non-members. RSVP by May 22 to Kim Parker, Ext. 7-3865 or Shirley Munsey, Ext. 7-4167.

Belle Bonfils Memorial Blood Center—The center will conduct a Spring Blood Drive at the Waterton facility on Wednesday, May 27, and Thursday, May 28, in 6th Floor Presentation Room of the SSB. Employees may schedule an appointment by calling the employee services office, Ext. 7-6750 or 7-6605. The blood drive will be held at the DSC facility, July 8 and July 9 and at LSC, August 27.

A Reminder—Please return your family activity card to employee services. A letter and selection card were sent to

employees' homes recently to announce company-sponsored family events. The events this year include a family day at Lakeside Amusement Park with pop star B.J. Thomas in concert on Saturday, July 18; a baseball game between the Denver Zephyrs and the Nashville Sounds on Saturday, August 8 and concerts with The Temptations and the Righteous Brothers on Saturday, September 12. Selection cards were to be returned by Friday, May 22. Those cards not yet returned should be sent immediately to the mail stop noted on the card.

Revised ethics code due out

Distribution of Martin Marietta's revised Code of Ethics and Standards of Conduct booklet is under way, according to Bobby F. Leonard, Corporate vice president of Personnel.

"Completion of the distribution through internal channels to all of the Corporation's employees should be completed by June 30," Leonard said. Each employee will receive the booklet from his or her supervisor.

For the first time, a tear-out card verifying that the employee has received the code will be included with the booklet.

Questions regarding distribution of the new code or instructions concerning the certification of receipt should be directed to local personnel departments. Questions concerning the code itself may be directed to the Corporate Ethics Office in Orlando, FL. The toll-free number is 800-3-ETHICS (800-338-4427). The MARCALL number is 356-9400. ■

Sprint employee reunion planned

North Dakota isn't known for its wild night life and partying people, but for more than 100 Martin Marietta workers, it was the land of good times while they worked on the Sprint missile program about 15 years ago. Now they are planning a reunion.

Anyone interested in the reunion is asked to fill out a 3x5 card with name, address, phone number, duties on the Sprint program, and whether you would like to participate in planning the reunion. Employees can mail the cards to Bud Collision, Orlando Aerospace, MP 461, or call him in Orlando at (305) 356-3643.

Corporate news

Cincinnati Bell Information Systems joins FTS 2000 Team

Cincinnati Bell Information Systems Inc. (CBIS) has joined the Martin Marietta Corporation team bidding for the federal government's FTS 2000 telecommunications system as the subcontractor for billing and service order software for the nationwide network.

CBIS, a wholly owned subsidiary of Cincinnati Bell Inc., offers a wide range of telecommunications software services, including calling-costs allocation, telecommunications information management, billing systems, and traffic analysis. The Ohio-based independent telecommunications company recently completed major software projects for British Telecom and Telecom Australia.

Companies teamed with Martin Marietta for the FTS program include MCI Communications Corporation, Northern Telecom Inc., Tymnet, Southern New England Telephone, and units of seven regional operating companies—Ameritech, Bell Atlantic, BellSouth, NYNEX, Pacific Bell, Southwestern Bell Telephone, and U.S. West Information Systems.

Virginia building leased as part of FTS-2000 proposal

Martin Marietta Corporation has signed a five-year lease, with a five-year option, with Henry A. Long Company for a 110,000-square-foot office building at Chantilly, Virginia, for use by its proposal team working on the federal telecommunications project known as FTS 2000.

Initial occupancy, by approximately 40 persons, will occur in June. The building eventually could accommodate several hundred employees if the team headed by Martin Marietta Information & Communications Systems wins the General Services Administration's FTS 2000 competition.

Company declares quarterly dividend

Directors of Martin Marietta Corporation have authorized a quarterly cash dividend of 25 cents per share on the Company's common stock, payable June 30 to holders of record at the close of business on June 8. The April 23 action continues the rate on Martin Marietta common, which became effective in the second quarter of 1985, of \$1 on an annualized basis.