

MARTIN MARIETTA

# news

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# Denver engineers are top corporate authors

Dr. Remi C. Engels and Harry W. Harcrow were named Corporate co-authors of the year at the 21st annual Martin Marietta Corporation Honors Night June 25.

Twelve other Denver Aerospace employees were awarded the coveted Jefferson Cup for "superior contributions to the progress and movement" of the Corporation.

Dr. Engels and Harcrow were honored for their paper, "A New Payload Integration Method," published in the Proceedings of the AIAA/ASME 1981 symposium on structures, structural dynamics, and materials.

Dr. Engels is a technical operations staff engineer assigned to the MX program, and Harcrow is a group engineer on the technical staff for analytical mechanics.

Those who received the Jefferson Cup and their citations:

*Eugene F. Ahern* (Michoud)—for leadership and outstanding professional contributions in the financial management of the Michoud division.

*Paul R. Brown*—for leadership in the design and completion of the world's largest central receiver heliostat field, a primary element in the 10-megawatt solar power plant at Barstow, California.

*Curtis D. Brudos*—for contributions to the acquisition of new business in the field of tactical command, control, and communications systems for the nation's armed forces.

*James L. Burrige*—for contributions to the design, development, testing, and flight operations of external tank and other major Space Shuttle systems.

*Billy R. Butler*—For professional contributions in the improvement of cash management and reduction of working capital requirements.

*Leroy Hollins*—for leadership in the administration of an outstanding employee recreation and services program.



Co-authors of the year, Dr. Remi C. Engels, center, and Harry W. Harcrow, right, receive their award plaques from Thomas G. Pownall, president and chief executive officer of the Martin Marietta Corporation. Fifty of the Corporation's employees were honored at the 21st Annual Honors Night, June 25.

*Robert C. Ikard*—for professional excellence in the field of structural dynamics, contributing significantly to ensuring sound spacecraft structural design.

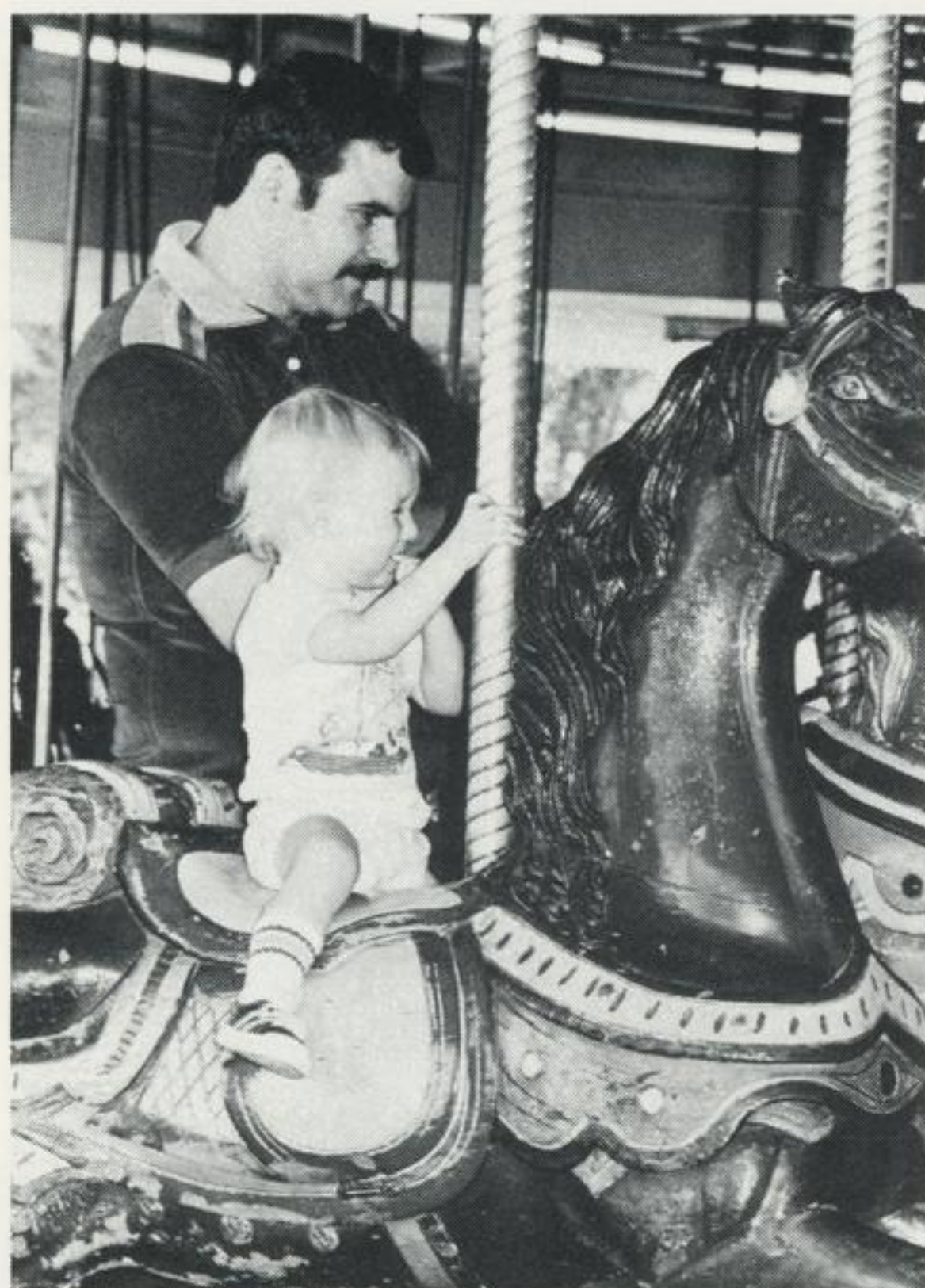
*George W. McGee*—for leadership of the Mission Success program, contributing significantly to Denver Aerospace's performance record.

*Lawrence W. Norquist* (Michoud)—for technical excellence and leadership in the design, development, and qualification of the Space Shuttle external tank propulsion system.

*Robert L. Rosenthal*—for contributions to the test preparations and readiness of the MX canister assembly launch test program facility and procedures, resulting in a successful first test on schedule.

*Thomas C. Wirth*—for leadership of external tank operations at Kennedy Space Center and other significant contributions to the Space Shuttle flight successes.

*William R. Woodis*—for technical excellence in the design, development, and integration of the parachute recovery system for the Space Shuttle's solid rocket boosters.



Riding the carousel and listening to the music of "Rare Moment" entertained employees and their families at Lakeside Family Day.



## Special issue next Friday

Family Day at Lakeside was attended by more than 16,000 employees and their families.

A special issue of Martin Marietta News featuring photographs of the event will be distributed next Friday, July 9.

### On the cover

Thirteen seconds after the start of its fourth flight, Space Shuttle Columbia soars toward orbit carrying its first Department of Defense payload. The picture perfect launch was seen by thousands, some of whom camped out for days, awaiting the spectacular event.



## Flight test data system proposal in works

Technical operations will submit a proposal in early August to the U.S. Air Force to build a flight and ground test data system to monitor aircraft performance.

This marks a significant application of space technology to earth-bound aircraft research.

The proposed system receives data from aircraft sensors and transmits it to ground receivers. The data may also be stored on tape recorders aboard the aircraft for post-test evaluation. Interchangeable elements of the system can be used for specific tests on different aircraft.

The three-phase program will provide both airborne and ground equipment.

Vincent H. Corbett is the proposal manager. The contract will be administered by the Flight Test Center, Edwards Air Force Base.

## Tax withholding reduced July 1

Notice a change in your paycheck?

Paychecks received by non-exempt and hourly employees July 1, and those received by exempt employees July 2 reflect decreases in federal income tax withholding prompted by the Economic Recovery Act of 1981.

The new rates reduce this year's withholding to correspond with most employees' reduced tax liabilities.

Changes in the federal income tax withholding have no effect on Social Security (FICA) deductions which are based on a fixed percentage of income—6.7 percent for earnings up to \$32,400 this year.

## Small business award goes to Michoud division

The Michoud division has earned the 1982 "Private Sector Support Award" from the American Association of Minority Enterprise Small Business Investment Companies.

The award is given to the company that "exhibits the highest ideal of the American spirit of private sector partnership through its support of minority business enterprise."

Michoud was competing with more than 100 major corporations with similar programs.

## Performance sharing plan unit values set for May

Unit values for the Performance Sharing Plan reported as of May 31, 1982, were:

Fund A (Indexed Equity):	1.4485756571
Fund B (Fixed Income):	1.5141452855



Dr. Ross Pritchard, Denver University chancellor, left, accepts a \$50,000 check from Denver Aerospace President Norman R. Augustine. The gift will help establish a curriculum leading to a bachelor of science degree in electrical or mechanical engineering. Of 800 professionals hired here from 1981 graduates, 200 were from Colorado colleges or universities.

A \$25,000 gift to the Denver Museum of Natural History to restore a Littleton diorama was also made last week.

## New personnel system debuts here in July

The Compatible Aerospace Personnel System (CAPPS) will soon be implemented at all Martin Marietta Aerospace locations to improve personnel research and services.

Employees in Denver and Cape Canaveral will receive data collection packages during July containing personal information collection forms for verification of personal data currently on file with personnel. Corrected, updated data from these forms will be entered in the CAPPS system and become ac-

cessible to other existing information systems, eliminating unnecessary duplicate collections of information from employees.

A copy of CAPPS data will be sent to each employee for review and for use in future modifications to the system.

Employees at other Aerospace locations will complete information collection forms during 1982 and 1983.

## Employee is among 10 best buyers in U.S.

Richard E. Sebben, material services, is one of the 10 top buyers named by *Electronic Buyers' News*, a national weekly serving the electronics purchasing industry.

"I'm fair, but demanding," says Sebben. "Most of our suppliers expect that in today's business conditions, and most are very willing to do what they promise. My high expectations of our suppliers are usually rewarded."

Sebben has been a purchaser for 20 years, four of them with Denver Aerospace.

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## Augustine visits Michoud, Vandenberg

Denver Aerospace president Norman R. Augustine stressed integrity and discipline during recent offsite facility visits to Michoud and Vandenberg Air Force Base.

"We must have integrity," he said, "when dealing with each other, with our customers, and with our employees."

Speaking of discipline, Augustine said,

"Don't take short cuts. Do things the right way. The consequences of not having discipline are enormous."

"With the production rate going up substantially on external tank, we can introduce cost-saving techniques that will make us more efficient, and we can do it without losing people."

## Savings Bond drive ends, is successful

The 1982 U.S. Savings Bond campaign has ended with Michoud division reaching 94 percent participation and Canaveral operations showing 95 percent involvement.

Final reports are being compiled for the Denver campaign which ended June 30. The goal here was 90 percent participation.

"Management support helped make the campaign successful," says Shirley H. Kirk, a campaign coordinator at Michoud. "We are

pleased with the amount of employee participation."

Victor S. Butkis, Canaveral personnel, says the 95 percent participation there is impressive in light of prevailing economic conditions and the availability of many alternative savings and investment programs.

"Our employees are to be congratulated for their understanding of the importance of buying U.S. Savings Bonds," he said.

## Frontiers of Science scholarships announced

Stephen Gregory Geislinger of Jefferson High School and Marc Louis Turner of Golden High School have won Denver Aerospace scholarships to the 1982 Frontiers of Science Institute at University of Northern Colorado.

Both scholarship winners have impressive records in science and mathematics programs in their schools. Geislinger achieved the highest score in the 1981-1982 mathematics examination at Jefferson, and won

honorable mention in mathematics competition at Colorado State University's 1981 Math Day. Turner has designed and built robots and automatic vehicles, and programs computers as a hobby.

The Frontiers of Science Institute promotes understanding of scientific investigation methods, and encourages students to continue their scientific studies and undertake scientific careers.

## Golfers vie in best-ball tourney, await Open

Next stop on the summer golf tour for Denver Aerospace golfers will be the Martin Marietta Open July 31.

In the June 13 partner best-ball event, Danny T. Fulford and Stephen C. Forgie teamed to take the low gross award with a 68 while William E. O'Brien and Fayette J. Thomason carded a low net 46.

Low individual gross was James P. An-

derson's 74. Doug B. Grandee had the low individual net with a 40. James P. McHugh and James W. Smith were closest to the pin winners with Raymond J. Nalty and Matthew B. Foster taking longest drive honors.

The Martin Marietta Open will be played at the Riverside Golf Club in Brighton. Entries are due July 23. Details on the tourney are available at the recreation office, ext. 6750.



Steven G. Keppers

## Aerospace intern is from Denver

Steven G. Keppers, program manager of a microprocessor technology study program is the technical operations intern for 1982-1983.

Keppers will spend one year at Aerospace headquarters, Bethesda, working on a number of assignments designed to acquaint him with technical and management functions throughout the company.

The recently named intern joined Denver Aerospace in 1971 as a test engineer in parts evaluation. He is now program manager of the microprocessor study as well as technical



Nicholas T. Gesso, left, received his Test Conductor pin from Robert D. Rhodus, director of Canaveral Operations. Gesso was test conductor for the final Titan IIIC launch.

## Test department tests team building

When Paul R. Brown became new director of the test department, he needed to know how others viewed his department, how well it had achieved mission success in the past, and how he could build a stronger team to improve effectiveness.

He arranged for a two and one-half day team building workshop organized by the management development department. The agenda included consideration of company and department policies, the role of the section manager, and interaction between the home department and the project.

Brown used the session to set priorities for the test department and to become acquainted with his section managers and test leads as they solved problems together. Two performance consultants from management development observed the session, giving ways communication could be improved.

"We've seen a lot of good group effort as a result of our team building session. There's been a lot accomplished and I'm quite satisfied that it's well worth the investment."

"I would definitely recommend team building to other departments, especially for those with new managers or directors. It promotes communication and gives an insight into how people think."

lead and assistant program manager on the hybrid focal plane array program.

Keppers received a master's degree in electrical engineering from the University of Colorado in 1979 after several years of evening classes while working full-time here. In addition to his regular workload he teaches evening classes in computer science at the University of Colorado. He earned a bachelor's degree with distinction in electrical engineering at the University of New Mexico in 1971.