

May 4, 1990

Special Issue



*Almost 200 employees were honored at the recent Astronautics Group Annual Awards Night dinner. Five employees were recipients of top honors. They are, seated, left to right: Herb Grotheer, George F. Sowers Jr., Wendell E. Fields, Wayne E. Simon, and*

*Jeffrey R. Carter. Helping present awards were, back row, left to right: Norman R. Augustine, chairman and chief executive officer; Peter B. Teets, Astronautics Group president; and A. Thomas Young, president of the Corporation.*

## Astronautics Group honors employees at Annual Awards Night

Five employees were awarded top honors and almost 200 employees received recognition for their outstanding contributions to Martin Marietta at the Astronautics Group's Annual Awards Night banquet conducted April 21 at the Marriott City Center Hotel.

The top winners were Jeffrey R. Carter, Wayne E. Simon, Herb Grotheer, George F. Sowers Jr., and Wendell E. Fields.

Carter, Senior Software Engineer, and Simon, a principal scientist in Space Systems, were named authors of the year for the research paper "Back Propagation Learning Equations from the Minimization of Recursive Error" that describes the derivation and application of this approach.

Grotheer, manager of Design Engineering, Space Systems, received the honor of engineer of the year for outstanding engineering management of the development and integration of the Magellan Flight System. Throughout the final integration phase he employed his technical discipline and management skills to resolve system problems enabling Magellan to maintain its ambitious schedule leading to launch readiness on the first day of the planetary window.

Sowers, a Space Launch Systems senior staff engineer, was named inventor of the year for developing unique computer simulation software and acoustic predictions that accurately portrayed the complex sound field sur-

rounding launch vehicle and pad. His results became a key element in solving the Commercial Titan payload acoustics problem.

Fields, director of Canaveral Operations, received manager of the year for meeting all programmatic requirements for Titan launches at Cape Canaveral, including launch complex construction and maintenance; assembly checkout of core vehicles, boosters, and payloads; management of customer and subcontractor interfaces; and actual launch of vehicles. In addition, he is responsible to assure the community that Martin Marietta is a caring corporate citizen.

## Publication Awards

### Jeffrey R. Carter

"Back Propagation Learning Equations from the Minimization of Recursive Error."

### Larry W. Mason

"Osmosis and Microgravity."

### Mohan S. Misra

"Centrifugal Casting of Gr/Mg Tubes."

### Harold A. Papazian

"Osmosis and Microgravity."

### Suraj P. Rawal

"Centrifugal Casting of Gr/Mg Tubes."

### Wayne E. Simon

"Back Propagation Learning Equations from the Minimization of Recursive Error."

## Inventor Awards

### Thomas R. Gaines

"Generalized Acoustic Simulation Program (GASP)" (Contributor).

### John A. Holland

"Wire Group Matrix Process."

### Frank M. Kustas

"Fabrication of Intermetallic Compounds and Composites by Roll-Bond and Solid-State Reaction Processing."

### Mohan S. Misra

For sustained contributions of innovative concepts and inventions in the field of structural materials and metallurgy. His efforts keep the Astronautics Group on the cutting edge of technology.

### Max E. Nielsen

"Mirror Surface for Wide-Angle Beam Steering System."

### William D. Nygren

"Parafin Actuator."

### George F. Sowers Jr.

"Generalized Acoustic Simulation Program (GASP)."

### Robert M. Zubrin

"Nuclear Rockets Using Indigenous Martian Propellants."

## New Technology Awards

### Paul M. Anderson

"Automated Power Distribution System Hardware."

### Benton C. Clark III

"Environmental Monitoring with Portable Analysis by X-Ray (EMPAX)."

### John P. Gille

"Method and System Design for Filling Storage Dewar with Superfluid Helium."

### James A. Martin

"Automated Power Distribution System Hardware."

### Michael G. Thornton

"Environmental Monitoring with Portable Analysis by X-Ray (EMPAX)."

## Technical Achievement Awards

### John J. Babos

For distinguished technical leadership and initiative that have been a foundation for mission success in operating a complex program within Defense Systems.

### William S. Bennett

For development of unique attitude control methods that have been beneficial in extending the useful life of a spacecraft.

### Carl S. Bodley

For significant contributions to the development of test plans and requirements, including software and hardware integration for the Tethered Satellite System's Dynamics Experiments.

### Philip J. Brandhuber

For providing engineering excellence and outstanding continuous support to the Commercial Titan Structural Test program. Required extensive coordination with European subcontractors and many Martin Marietta disciplines.

### Terrence J. Breit

For significant contributions in the facility and aerospace ground equipment installation design for the Titan IV program at Vandenberg. Major support facilities are online and soon to come online as a result of these design efforts.

### Clifford L. Brown

For outstanding technical leadership of the Telemetry and Data Acquisition system development for Small ICBM, which performed flawlessly on FTM-1.

### David F. Bubke

For outstanding leadership in conducting a quality study to determine the feasibility of integrating a new guidance system into the Titan II SLV.

### Wendell H. Chun

For outstanding effort on the Telerobotic Systems IR&D project, and for efforts in the design and fabrication of a one-quarter scale prototype of the Walking Beam Mars Rover concept.

### Robert E. Dawson

For instrumental contributions in the area of loads and dynamics, ensuring mission success for the first Titan IV flight.

### Gail M. Downor

For outstanding application of technical expertise to maintain schedules and reduce direct program cost concerns on several occasions.

### Thomas W. Duncan

For technical expertise in the propulsion group leading to our ability to temperature condition the propellants to support the Commercial Titan-1 launch, and for obtaining environmental permits for launch complexes.

### Roger P. Ford

For developing a complex computer analysis code that has established Martin Marietta as one of the leaders in this field.

### Edward J. Friedman

For sustained high-quality technical performance on the NDEW Program, for leadership of a customer Concept Working Group, and for development of a Satellite Laser Communication propagation channel model.

### Daniel E. Geist

For technical conception and exemplary implementation of several chemical analysis systems that improve qualitative and quantitative results that are now used daily in the Quality Laboratory.

### Kyle M. Griffin

For outstanding performance in the preparation and conduct of the TOS vehicle through system-level qualification and HPWT methods that met all schedule and cost constraints.

### Herb Grotheer

For providing outstanding technical management of all engineering disciplines during the design, development, verification, and launch operations of the Magellan Spacecraft.

### Chris E. Harbert

For innovative design and programming of the Multi-CPCI Computerized Enhancement, leading to potential for large follow-on contracts with the Air Force and Navy during 1990.

### Bernardo Higuera

For providing expert technical support to both the Denver A/B structures and Martin Marietta Astronautics Group resident team at Hercules on the Titan IV SRMU project.

### Kenneth W. Holtkamp

For repeatedly demonstrating expertise as crew Lead Technical Advisor, and for significantly contributing to the remarkable success of a critical project.

### Kevin S. Johnson

For technical leadership and outstanding performance in support of the testing and analysis to develop the most probable cause of the Titan anomaly during Stage I.

### Debra A. Keith

For implementation of product excellence for the Titan II Program, which has demonstrated significant reductions in engineering design, analysis, and software errors.

**Mark T. Langhenry**

For providing technical expertise to the Titan IV solid rocket motor procurement to resolve the propellant slump problem in support of the first Titan IV launch.

**Gregory N. Lepetsos**

For outstanding performance and contributions in the truck transfer case and the battery failure investigations, and sustained support for Astronautics Group and Strategic Systems company initiatives.

**Larry W. Linville**

For outstanding "hands-on" leadership and management to provide Commercial Titan dual-mission parameters, within all constraints, and the flight software to accomplish the mission.

**R. Frederick Little**

For exceptional skill ability and technical achievement on the Peacekeeper special test equipment software development that will be used by the Ogden Logistics AF personnel to validate operational computers.

**James W. Lowrie**

For significant contribution to the success of the FTS competition and program through his overall knowledge of robotics and related technologies.

**Lyle L. Mason**

For innovative mechanical designs in the development of liquid argon calorimetry as a subatomic particle detection method for the Superconducting Supercollider program.

**Daryl W. McCallister**

For outstanding effort in test definition, analytic prediction, and test conduct, resulting in the successful completion of the Defense Systems' Pyro Shock/Separation Test.

**Byron E. McLendon**

For outstanding dedication to solving a major hardware failure situation on a critical path subcontractor-supplied unit.

**Kevin L. McNeill**

For providing outstanding planning and operational control of the Magellan Systems Verification Laboratory during the development and verification of critical test sequences for spacecraft activities.

**Steven H. Munkeby**

For outstanding contributions to the FTS proposal, which not only helped win the contract, but drew praise, respect, and support from the customer.

**Thomas E. Nelson**

For outstanding leadership of a "Tiger Team" that provided an innovative approach to resolving the Commercial Titan program acoustics concerns.

**John W. Parenteau**

For technical ingenuity demonstrated by resolving Solid Rocket Motor Unit Thrust Vector Control issues in the best interest of the program.

**Edward M. Phillips**

For sustained technical performance and timely support of manufacturing and launch operations as Product Integrity Engineer for 11 electrical components.

**Suraj P. Rawal**

For outstanding performance on IR&D material research contracts, resulting in new technologies and new contracts, including the design of a test facility that allows faster thermal cycling of materials.

**Paul A. Rodrian**

For resolving technical issues between NASA elements, and the TOS and spacecraft contractors, which permitted the signing of the Commercial Launch Services contract for Mars Observer with NASA.

**Terrie L. Rogge**

For outstanding contributions in the development of software databases for the new Titan II and Titan IV Telemetry Data Processing System telemetry ground stations.

**Grady L. Romine**

For technical expertise, initiative, and leadership in reconstruction of the Small ICBM FTM-1 anomaly, which contributed significantly to the 100% award fee for the Systems Support Contract.

**Jeffrey S. Shook**

For significant contributions to the design, fabrication, test, and integration of a highly complex set of electrical ground equipment, which enables Defense Systems to meet a major milestone.

**Robert E. Smith**

For critical technical leadership in the planning, definition, and execution of a major systems integration event within Defense Systems.

**Richard G. Sosnay**

For successfully leading the Flight Telerobotic Servicer system design effort, including Space Station Freedom/FTS integration activities, which repeatedly received compliments from the customer.

**Gerard R. Steiner**

For developing an innovative SBI design concept that was coordinated through all customer levels, for which he was recognized by name in the award fee letter.

**Neil W. Tice**

For outstanding technical support in thermal and stress analysis, which gained him the respect of both customer and project on Special Programs.

**Donald D. Toland**

For development of UNIS, an electronically integrated information system. UNIS was cited by the customer as leading the industry, and serves as a foundation for Astronautics Group's M-UNIS.

**Steven J. Vinland**

For his dedication to the propulsion design common support group in providing factory support coverage, engineering drawing changes, liaison call answers, and MARS coordination.

**Julie L. Webster**

For outstanding performance as both Chief Magellan Test Conductor during system test operations and launch operations, and as Telecommunications Group Lead on the cruise operational team.

**I-Min Yang**

For consistently excellent dynamics and loads analysis on the Titan II SLV program, resulting in two successful missions to date and significant payload integration cost reduction.

## Operational Performance Awards

**Edward Amoroso**

For significant leadership in the continuous improvement of detail manufactured hardware, and as a significant contributor to the AFCMD COR "Green" rating for product integrity.

**Shirley A. Armstrong**

For exemplary support and dedication in maintaining a contractual financial log, and incentive and award fee calculations in a dynamic product area environment.

**Sheryl K. Atterberg**

For outstanding support of Electrical Aerospace Ground Equipment modification and retest. Responsible for four end-items, providing real-time problem resolution required to maintain Commercial Titan-1 schedule.

**Robert A. Baldrige**

For an innovative approach and dedicated support in the management and leadership of the Commercial Titan program control team.

**Catherine A. Baumann**

For demonstrated dedication and modeling of professionalism that resulted in outstanding performance in servicing subcontractors in the domestic and international arena.

**Sarto A. Boissonnault**

For outstanding planning skills, attention to detail, and knowledge of test operations, resulting in all tests performed on schedule.

**Lacinda D. Bone**

For consistent outstanding performance in the area of Space Launch Systems materiel budgeting, and dedication to the success of high-performance work groups in the materiel department.

**Barbara A. Bowman**

For superior leadership and guidance resulting in a successful Cost Schedule Control System subsequent application review (SAR) on the Advanced Launch Systems contract.

**Charles D. Brown**

For outstanding contribution as the Program Manager of the Magellan spacecraft.

**Thomas E. Bunge**

For outstanding leadership of Denver and VAFB IRSS engineering disciplines in support of the Small ICBM FTM-1 prelaunch and launch activities and postflight data analysis.

**Glen D. Burgener**

For excellent leadership as volume manager on several major competitive proposals, all of which have been winners.

**Dennis H. Busch**

For outstanding accomplishment in the development of a highly innovative and unique concept of computer-aided cost-schedule integration, a new accomplishment in the aerospace industry.

**Bernard O. Camba**

For technical leadership in engineering management at VAFB. His expertise and dedication made a significant difference in the processing of Small ICBM GTM-1 and FTM-1 ahead of schedule and below cost estimates.

**Richard A. Clontz**

For exemplary performance on the Titan IV Follow-On Buy proposal during the proposal preparation, negotiation, and definitization phase. His performance was instrumental to a successful negotiation.

**Steven E. Conn**

For providing estimating support in the pursuit of a major new business endeavor, and for providing management with superlative briefings and presentations.

**Lindsey V. Davis**

For leadership and creativity associated with the advantageous negotiation and subsequent restructure of the FTS contract.

**Randy L. Davis**

For sustained personal effort in establishing a new market and customer product area. He performed the pivotal role in deploying and implementing the winning strategy for the Payload Transporter III.

**Stephen J. Ducsai**

For outstanding contribution as the Program Manager for the Flight Telerobotic Servicer contract win.

**JoAnn E. Dummer**

For sustained outstanding performance, dedication, and professionalism in providing secretarial leadership and support to the entire Small ICBM management team.

**Wendell E. Fields**

For three 100% successful launches from Cape Canaveral, preparation for the first Commercial Titan launch, and implementation of multiple-program controls involving common people resources and meeting profit objectives.

**Barry L. Foley**

For superior performance in transitioning a major subcontractor from a posture of delivering late and severely overrunning cost to delivering ahead of schedule and underrunning costs.

**Robert H. Fujii**

For a consistently outstanding performance in getting the job done right while managing four major subcontracts from formulation through implementation.

**Joye M. Galbraith**

For demonstrated dedication, the striving for perfection, ontime and high-quality performance, and commitment to Total Quality Management as Executive Secretary of Space Launch Systems Materiel and Subcontracts.

**Harry D. Goering**

For consistent excellence in the preparation and management of the Automatic Data Processing Equipment Capital Plan, supporting all of the Astronautics group programs and business functions.

**Donald E. Gosnell**

For outstanding technical knowledge that identified an eminent catastrophic failure mode during a propellant loading operation. His quick action saved the system.

**James E. Greichen**

For a 100% successful Titan II flight with completely satisfied users and outstanding customer relations. In addition, his team won a significant new business effort for Titan II vehicles.

**Donald P. Gudzone**

For development of rationale, strategy, and negotiation detail that will permit the Corporation to earn approximately \$4.6M additional profit on the Magellan program.

**James F. Hagan**

For achievement of goals in the Small/Small Disadvantaged Business arena, which demonstrate Martin Marietta's commitment to that segment of the business community.

**John H. Haney**

For exceptional sustained leadership and accomplishment in furthering the objectives of tool management and Martin Marietta Astronautics Group's production operations manufacturing.

**James T. Hardin Jr.**

For achieving overwhelming customer satisfaction with his outstanding implementation of the initial Cost/Schedule Status Report system for Advanced Systems.

**Robert H. Harkins**

For leadership and direction of the Business Development activities leading to the win of the Flight Telerobotic Servicer program.

**Suzanne L. Helwig**

For sustained exemplary performance in contract administration while supporting multiple programs and proposal efforts in Space Systems Research and Technology.

**Carol E. Hiatt**

For continued performance in developing and implementing product assurance improvements in Defense Systems.

**Lori J. Hladik**

For recognition of industry leadership in Statistical Process Control implementation and experimental design for tinning and wave solder, resulting in 40% defect reduction and reduced costs.

**Leroy Hollins**

For significant contributions to the Astronautics Group through his management of the Employee Open House, serving over 30,000 employees and guests.

**Keith R. Huling**

For innovative management of Defense Systems programs through an important and challenging series of activities.

**William R. Ingram**

For agreement developed and obtained on several complex fee provisions, which contributed significantly to the profitability of the Corporation and focused on numerous major proposal activities that substantially mitigated risk.

**David J. Janke**

For vision, diligence, and leadership over implementation of the Automated Storage and Retrieval System, covering all phases from specification development, vendor selection, software verification, and activation.

**Virgil D. Jaramillo**

For outstanding performance in providing and coordinating telecommunications services for relocation, expansion, and setup of new offices for local and offsite program and project facilities.

**Dean J. Kallis**

For significant measurement contribution in performing essential optical alignments on Magellan to the satisfaction of the customer, which enabled achievement of the critical launch window.

**Danny L. Kenyon**

For outstanding performance and dedication in directing disciplined, technically superior functional and environmental tests to assure the delivery of critical hardware.

**Ronald L. Kirilin**

For technical management of the procurement of a schedule-critical subcontract item that had evolving requirements and short procurement schedules.

**Thomas J. Kunka Jr.**

For outstanding technical influence within the Product Assurance and Safety department. He was instrumental in resolving electrical system problems on both Commercial Titan and Titan IV.

**John F. Lamonski**

For instrumental contribution to Total Quality Management in working NASA programs defect prevention and Special Programs stockroom traceability. John's sustained performance continues to be exemplary.

**Larry J. Leavitt**

For skillfully managing the operational resources and activities at an offsite location, resulting in total mission success and ultimate 100% award fee.

**Jerry G. Lewis**

For managing the preparation of the exceptionally successful FTS proposal. His conduct of negotiations and management of reviews and reports has been outstanding.

**David L. Lucero**

For leadership of the CTI team providing Commercial Launch Services for the NASA Mars Observer Spacecraft, concluding successful negotiations of a contract with many unique Government terms and conditions.

**Alfred L. Lynch**

For exceptional and sustained performance as operational crew lead during preparation and initial phases of a critical project.

**Fred G. Manz**

For outstanding management of the acquisition of two new major subcontractors for Titan IV avionics, resulting in a price reduction of 40% for the avionics hardware.

**Brian D. Marchbank**

For expertise and dedication to manufacturing details and assemblies. He has consistently and efficiently reduced operating time and process flow.

**J. Franklin McKinney**

For providing outstanding management of the Magellan System Test Program leading to an ontime and fully successful launch operation.

**William M. Miller**

For an outstanding job as Facilities Project Manager for the Phase I and Phase II Waste Water Treatment Plant upgrades expected to be completed under the estimated budget.

**Barry A. New**

For leading development of the Automated Storage and Retrieval System and consolidation of multiple locations, resulting in a stockroom operation with an aggregate inventory record accuracy continuously exceeding 95%.

**Gerald R. Osborne**

For continuous outstanding performance in overhead control. Accomplishments include the development of an effective overhead pricing model and the training and supervision of many new employees.

**Eddie C. Peabody**

For leading the improved performance and coordination of the Hydro, Mechanical, and Repair areas of Major Weld. His actions reduced MARS and the number of personnel required for each job.

**Nancy L. Pendleton**

For extraordinary performance in the compilation of a comprehensive EEO/Affirmative Action Management Implementation Plan, and for onsite personnel management support to the Magellan launch.

**Richard J. Perkins**

For his outstanding contribution and leadership role in both fabrication and onsite test support to the Titan family of wind tunnel models.

**Don E. Petermann**

For sustained performance and outstanding effort in defining and implementing innovative staffing programs to meet complex Space Systems requirements for a critical classified area.

**Laurence A. Price**

For outstanding business development leadership in winning the Midcourse Space Experiment for launch on the Titan II program.

**Clifford M. Purington Jr.**

For superior contributions improving the efficiency and performance of SLS production operations. He led a successful pilot effort to train 1200 employees and 63 teams in the High-Performance Work Team concept.

**Philip Rayburn**

For outstanding performance in the administration of the Worker's Compensation program, resulting in major cost reduction and cost avoidance benefits to Astronautics Group and the Corporation.

**Charles T. Reynolds**

For outstanding leadership in running the first-floor detail shop; performance in meeting or exceeding all cost, schedule, quality, and service expectations; and significant contributions to the "new culture."

**William K. Rierden**

For demonstrated outstanding leadership in the design and implementation of the first electronic MARS information system in Denver.

**Robert L. Robinson**

For initiative and drive as Space Launch Complex-7 Director, instrumentally influencing the separation of tasks within the RFP to Martin Marietta's advantage.

**Michael W. Rossman**

For outstanding operational performance in meeting critical hybrid circuit delivery schedules for two programs that had superimposed delivery requirements.

**David A. Sabetay**

For excellent leadership of IUS Independent Verification and Validation Cost Management activities, resolution of numerous complicated funding issues, and performance as business spokesman to the customer.

**Alan L. Schaeffle**

For a 100% successful launch/flight of Titan IV, completely satisfied users, improved customer relations, and successful negotiations of a 26-vehicle Follow-On Buy.

**Roy Sedgwick**

For outstanding leadership in pulling together the Titan IV Follow-On Buy, including related contractual activities and continued integration of the subelements to the basic negotiation.

**Karla A. Sedlacek**

For sustained superior performance in developing and maintaining the audit database and status reporting system while maintaining outstanding rapport with organizational audit element leads.

**Randall S. Semin**

For outstanding performance in the administration of the Telecommunications Management System and in writing new software programs that have increased efficiency and productivity.

**George H. Sewell Jr.**

For an outstanding performance in identifying and reducing nonconformances for the Special Products program by focusing the program to major defect contributors with suggestions for their correction.

**James C. Shrimplin**

For upgrading the computer center equipment and facility, resulting in customer rating of "best in the country," and for providing operations support to all classified programs within Space Systems.

**Ronald D. Slovikoski**

For leadership of the winning contract with NASA Lewis Research Center to provide Commercial Titan launch services for the Mars Observer spacecraft.

**Patsy R. Snyder**

For sustained secretarial support to Capital Planning and Real Estate Management. She also serves as the department's budget administrator, personnel administrator, and training coordinator.

**Edward V. Stephenson**

For dedicated leadership of the test operations activities throughout the successful launches of four extremely difficult vehicles, two of which were first configurations.

**Melinda D. Tallent**

For outstanding contributions, dedication, and total quality commitment to the Integrated Safety Control Unit High-Performance Work Team, the Peacekeeper program, and Martin Marietta Astronautics Group.

**Robert I. Thaute**

For demonstrated outstanding support of Accounting Systems and development of the first significant Macintosh-based travel expense report programmed at Martin Marietta Astronautics Group with internal validations.

**Duane C. Tinnes**

For designing and developing many information systems that are critical for data reportage required by contract. Has established superb working relations with AFPRO, management, and other Astronautics Group companies.

**Alexander A. Vivona Jr.**

For immediate response and commended ongoing effort to the customer's request for proposal for a classified contract that was definitized in a minimum time with total satisfaction.

**Robert E. Vosbeek Sr.**

For outstanding performance and management on the Transfer Orbit Stage program cost containment effort and for effecting a complete turnaround in program cost, schedule, technical performance, and customer satisfaction.

**Sarah E. Wakefield**

For outstanding performance and support to the preparation and submittal of the PT-3 proposal and her critical impact to the subsequent contract win.

**Robert M. Watson**

For sustained outstanding performance in production operations management on the Commercial Titan program with significant contributions in the cost, schedule, and program management areas.

**Dorothy A. Waufle**

For superior performance and demonstration of outstanding technical skills, reducing operating times and process flows in the area of finishing and plating.

**Michael J. Zitek**

For leadership in the turnaround modifications to support VAFB Peacekeeper launches, completion of the PK-48 contract, and formation of the Rail Garrison SE High-Performance Work Team.

## Special Awards

**Authors of the Year****Jeffrey R. Carter and Wayne E. Simon**

For the excellent research paper "Back Propagation Learning Equations from the Minimization of Recursive Error" that describes the derivation and application of this approach.

## Engineer of the Year

**Herb Grotheer**

For outstanding engineering management of the development and integration of the Magellan Flight System. Throughout the final integration phase he employed his technical discipline and management skills to resolve system problems enabling Magellan to maintain its ambitious schedule leading to launch readiness on the first day of the planetary window.

## Inventor of the Year

**George F. Sowers Jr.**

For developing unique computer simulation software and acoustic predictions that accurately portrayed the complex sound field surrounding launch vehicle and pad. His results became a key element in solving the Commercial Titan payload acoustics problem.

## Manager of the Year

**Wendell E. Fields**

For meeting all programmatic requirements for Titan launches at Cape Canaveral, including launch complex construction and maintenance; assembly and checkout of core vehicles, boosters, and payloads; management of customer and subcontractor interfaces; and actual launch of vehicles. In addition, he is responsible to assure the community that Martin Marietta is a caring corporate citizen.

## High-Performance Work Team Awards

### Boattail Team Awards

For significant achievement in reducing Titan Stage I boattail assembly hours from a previous average value of 2500 hours down to less than 600 hours through technical innovation, simplified processes, and boundless spirit and energy, the following team members are recognized:

Dan M. Bender  
Gene A. Cozart  
Mark D. Early  
Earl A. Loseke  
Rudy R. Martinez  
Robert D. Pomeroy III  
Dennis P. Singer  
Roger B. Wood  
Kurtis A. Worthley

## Instrumentation and Flight Safety System (IFSS) Airborne Vehicle Equipment (AVE) Acceleration Team Awards

For drastic improvements in quality, cost, and schedule, including increased profit by 60%, threefold reduction in defects, accelerated delivery dates by two years, and doubled productivity, the following team members are recognized:

Robert E. Andereck  
C. Eugene Bond  
Larry S. Cole  
Stacy L. Cordes  
John F. Gishpert  
Jesse C. Huguley  
Jack R. Kunisch  
Reynold Lowe  
Robert H. Mann  
Sherman J. Montover  
Richard A. Olivo  
John E. Parker  
Thomas F. Pettit  
Cecelia C. Roubidoux  
Dwight A. Singleton  
Luann Yeaman

## Space Support Inventory Building (SSIB) Production Operations Team Awards

For outstanding efforts in the production of Defense Systems' structural assemblies. Such efforts embody the purpose and intent of High-Performance Work Groups. For efforts resulting in 40% less touch labor and an overwhelming reduction in MARS and liaison calls than previous efforts, the following team members are recognized:

Parker B. Byrd Jr.  
Roger E. Carolfi  
Harold E. Cozart  
Eric B. Fisk  
Thomas G. Harris  
Larry M. Maddux  
Carol A. Mowery  
Jose O. Quintana  
Thomas F. Roberts  
Barbara J. Romero  
Robert C. Shultz  
R. Michael Smith  
Alan K. Soloman  
Stephen A. Stolhand  
James L. Thuett

# Congratulations

**MARTIN MARIETTA NEWS**  
Published by Public Relations  
MARTIN MARIETTA  
R. Christopher Talley Editor

Call Ext. 7-5364 with information for articles.

Prepared and produced by the publications department.

ASTRONAUTICS GROUP

P.O. BOX 179—Denver, CO 80201

May 4, 1990