

May 26, 1989

Special Issue



More than 200 employees were honored at the recent Astronautics Group Annual Awards Night banquet. Six employees were recipients of top honors. They are: (seated left to right) Michael G. Barth, Kevin J. Dykema, Virgil F. Young, (standing, left

to right) Jack T. Snyder, Parker S. Stafford, and (far right) Benton C. Clark. Peter B. Teets, Astronautics Group president (standing second from right), presented the special top awards to these six employees.

Astronautics Group honors employees at Annual Awards Night

Six employees were awarded top honors and 202 employees received recognition for their outstanding contributions to Martin Marietta at the Astronautics Group's Annual Awards Night banquet held at the Marriott City Center Hotel on May 13.

The six top winners were Benton C. Clark, Michael G. Barth, Kevin J. Dykema, Jack T. Snyder, Virgil F. Young, and Parker S. Stafford.

Clark, project manager of the Manned Mars Systems Study, was named author of the year for his publication, "Primeval Procreative Comet Pond." This paper was published in *Origins of Life and Evolution of the Biosphere*,

Vol. 18, 1988, a quarterly journal with offices located in the Netherlands. His paper demonstrates how the rich organic mixture known to exist in comets could have provided the limited enclave of a complex pond, synthesis of nucleic acids, and the energy transfer chemistry found in living cells.

Barth, Dykema, and Snyder, who all work in environmental management, were named co-inventors of the year for their creation of an aluminum etchant bath maintenance process. This process regenerates aluminum etchant bath solutions and minimizes hazardous waste from their operation.

Young, director of engineering for Space

Systems company, was named engineer of the year for his leadership in defense systems engineering, for leading a defect-free shipment of a major hardware and software system, and for the creation of an engineering excellence program.

Stafford, vice president of defense systems, was named manager of the year. He managed the successful delivery and execution of an activity of national priority. His leadership, management skills, and technical knowledge were key elements in planning and accomplishing many complex tasks. ■

Publication Awards

John E. Anderson

Acquisition System Testing with Superfluid Helium

Larry Q. Bowers

Efficient Computation of the Far Field of Dual Offset Reflector Antennas with Offset Feeds

Jeffrey R. Carter

A Software Development Method for ADA and Mobile Robot Navigation with Ambiguous Sparse Landmarks

Benton C. Clark

Primeval Procreative Pond

Dale A. Fester

Acquisition System Testing with Superfluid Helium

John S. Hoover

Efficient Computation of the Far Field of Dual Offset Reflector Antennas with Offset Feeds

Frank M. Kustas

Microstructural Characterization of Nitrogen Implanted 440C Steel

Mohan S. Misra

Microstructural Characterization of Nitrogen Implanted 440C Steel

Harold A. Papazian

Spacecraft Glow

Wayne E. Simon

Mobile Robot Navigation with Ambiguous Sparse Landmarks

I-Min Yang

An Iterative Method for Solving Nonlinear Eigenvalue Problems in Matrix Form

Inventor Awards

Michael G. Barth

Aluminum Etchant Bath Maintenance Process

William C. Brown

Optical Omni Antenna

Wendell H. Chun

Adjustable Compliant Wrist Using an Electro-Rheological Fluid

Kevin J. Dykema

Aluminum Etchant Bath Maintenance Process

David A. Fester

Compu-Track Computer Tracking System

Carl L. Jensen

Conical Contact Thermal Switch

Jack T. Snyder

Aluminum Etchant Bath Maintenance Process

Richard O. Trummer

Universal Electrical Connector Environmental Sealing Plug

Stephen R. Tuenge

Electroformed Buried Gratings for High-Power Shared-Aperture Systems

New Technology Awards

Charles W. Box

Air Flow Induction Systems

Brent A. Cullimore

FLUINT—A Generalized 1-D Fluid Network Analyzer for SINDA '85

David M. Landis

Fast Switching Technique for High-Current Paralleled Devices

Wayne E. Simon

A Simple One-Dimensional Calculation of Quasi-Steady and Transient Duct Flow with Shock Loss, Combustion, Heat Transfer, and Phase Change

Patrick S. Thompson

Filled Porous Teflon Tape Collector for Particle Collection in Space

Martin S. Veatch

Fast Switching Technique for High-Current Paralleled Devices

Technical Achievement Awards

George L. Adams

For successful completion of the design and analysis of many Defense Systems control modes.

James M. Arrajj

For contributions to the development of three new thermal protection materials that have greatly enhanced our future competitiveness in the thermal protection field.

Ronald A. Bena

For outstanding performance in the administration of the Astronautics Group IR&D program. The highest score ever achieved by Astronautics Group, 8.6, also allows us to reopen the Tri-Services negotiations for the ceilings on allowable costs for NBAE.

Douglas M. Bennett

For the successful completion of complex software validation in the guidance and control laboratory for Titan 34D/TS, Titan II, and Titan IV under severe pressure to meet program schedules.

Ernest Berliner

For creative engineering development of the Titan II attitude control system providing pointing accuracy and precision maneuvering capability.

Akhalesh Bisaria

For accurately and single-handedly turning around Titan II shock predicated levels and for being a key contributor on Titan II's 100% mission success rate in 1988.

Gary D. Bond

For development of SDI battle management simulations that lead the industry.

Garold L. Brooks

For outstanding technical contributions and leadership in forming a powerful integration team and for guiding the execution of the initial phase of a critical operations system within Defense Systems.

John F. Brunjes

For outstanding technical leadership of front-line technical people in operating a delivered product from Defense Systems.

E. Terrell Campbell

For successful closure of all Defense Systems loads, stress, fracture mechanics, and critical materials issues with no resulting hardware design impacts.

Ronnie L. Campbell

For contributions to the development of two new thermal protection materials that have greatly enhanced our future competitiveness in the thermal protection field.

William G. Cheadle

For his accomplishments in establishing himself both in Martin Marietta and throughout the aerospace community as a leader in software estimating and sizing.

Lyle G. Cloud

For outstanding technical leadership in the analysis and design of the flight telerobotic servicer control system and in its demonstration to the NASA-GSFC.

William A. Colbenson

For creating and implementing an innovative technique for analyzing multicompartiment venting of helium during booster ascent.

Terence Coxall

For outstanding technical leadership in directing all technical aspects of the Contraves Commercial PLF subcontract, leading to successful completion of PLF structural qualification testing.

Sadie N. Decker

For outstanding technical leadership in bringing to fruition a first-of-a-kind integrated computer system electronic library for analysis of nonconformance, used to improve the readiness and problem resolution of the Titan launch vehicle.

Douglas S. Doubek

For outstanding technical contributions to the development of electrical and electromechanical devices for the Tethered Satellite Systems program.

Michael O. Dressel

For providing the Titan 34D program with outstanding technical advice in the resolution of problems, and providing numerous analysis of mechanical elements required to provide design data.

Gerald L. Dummer

For outstanding innovative technical leadership in guidance and flight controls analysis for Titan II, III, IV, and 34D.

David F. Giere

For outstanding technical (including design, test, operational requirements, and launch support) and management leadership directly contributing to the successful launch of Titan II SLV 23G-1.

Arthur J. Groll

For outstanding performance as project engineer responsible for the Titan IV FM-FM wide-band instrumentation system development.

Peter L. Gyza

For superior management of mechanical hardware failure resolutions and outstanding contributions to Mission Success, which earned the recognition and esteem of project, subcontractor, and customer management.

Gregory D. Hatstat

For superior organizational skills and technical expertise that allowed him to successfully manage two separate critical path activities on Defense Systems.

George K. Janes

For outstanding management of the Small ICBM PBV test program and coordination of activities at AEDC, Autonetics, Hercules, Martin Marietta, and BMO to achieve two flight-proof firings of the PBV.

Kenneth J. Jeffers

For providing expert knowledge of Titan engine systems that was instrumental in the successful processing of the Titan 34D launch abort, recycle, and contamination operations.

Ronald E. Johns

For exceptional contributions to the successful completion of the Peacekeeper emplacer modification program and the F. E. Warren recovery effort.

Linda A. Karanian

For outstanding technical achievement in resolving vibroacoustic environment concerns for the Small ICBM and Transfer Orbit Stage on Commercial Titan.

Gary R. Knowles

For outstanding systems engineering in support of major Defense Systems product delivery and field operations.

Robert L. Krantz

For excellence in design and management of the ontime installation of the Titan mockups at the Vertical Test Facility.

Lalitha Krishnamoorthy

For the creation of a high-performance, user-friendly, distributed computerized application that has resulted in a very significant increase in productivity in industrial engineering functions.

Modenna L. LaBaugh

For outstanding technical achievement and leadership in support of the software development for the rapid prototyping program.

James M. Leahy

For sustained outstanding technical leadership in directing the modification of DIDSIM for DEW multimission engagement analysis and the development of MOEs for SLC utility assessments.

Leo W. Lech

For technical achievements relating to special program's electrical power subsystem design, which consists of hardware elements manufactured by EMF and our subcontractors.

Charles G. Leonard

For outstanding facility integration support for the Titan IV program at VAFB, including major construction design reviews and in the release of AGE installation engineering.

Lawrence W. Loechel

For the design and fabrication of the first successful Weldalite TM049 cryogenic tank.

Adam Macias

For outstanding performance and demonstrated technical expertise in the production of test plans and procedures on the Small ICBM.

Rickey L. Malone

For outstanding performance in his technical assignments. Rick established the Martin Marietta Astronautics Group control Mission Success program and has performed in-depth studies to initiate a critical characteristics program.

Frank S. Mango

For the development and application of new analytical techniques to Titan IV sampled data nonlinear control systems that was crucial to implementing significant cost savings to Titan IV flight hardware.

Roman J. Matherne

For outstanding technical leadership and management of the Small ICBM IRSS, AVE, SE, and software design.

Felix L. Montoya

For the coordination, integration and management of a large and complex database.

Jeanne E. Muetzel

For technical excellence and outstanding participation in the design excellence approach for the design, analysis, and manufacture of the Commercial Titan ISOGRID payload carrier assembly.

Jonathan Murray

For outstanding technical performance on TOS guidance and controls system design modifications for the addition of postburn spin nutation control and navigation during Titan launch vehicle ascent.

Milo Nance

For providing expertise in theoretical space-based welding technology and for defining techniques leading to an experiment aboard a future Shuttle orbiter mission.

Alan C. Nash

For outstanding performance as a subcontractor manager responsible for five major/critical special program's subcontractors.

Richard Nemechek

For outstanding sustained technical and program management of several critical Defense Systems subcontractors under extremely difficult technical performance and schedule requirements.

James C. Neuman

For outstanding Magellan thermal design and subsequent completion of the Magellan solar thermal vacuum test with no significant redesign issues.

Robert B. Nicol

For outstanding technical leadership in the development and application of life-cycle-cost assessment techniques in support of the successful Advanced Launch System (ALS) proposal.

David G. Olschansky

For outstanding contributions to the integration and testing of the avionics on the Magellan spacecraft.

Jeffery R. Ottenbacher

For outstanding performance in developing the lithium thionyl chloride battery as a key new technology for Small ICBM.

John F. Paolucci

For the development of a technically outstanding database to support mission operations.

Gary G. Phillips

For outstanding achievement in the development of software and techniques toward the automation of manufacturing scheduling and project management systems.

Frank M. Pleasants

For managing and developing the successful lead shot loading system that supported the structural test of the Titan IV in 1988.

James D. Porter

For bringing technical stability, subcontractor harmony, and long-range planning to Zenith Star, resulting in the new Phase IIIA contract.

R. Stephen Price

For outstanding technical accomplishments on the "Planetary Rover Technology," considered the best Martin Marietta Astronautics Group IR&D task presented at the 1988 fall Trimestral.

Roy L. Reed

For performing three major functional assignments in microelectronics manufacturing while leading a process simplification team in a significant, documented cost savings of over 6,000 manhours.

Ken L. Richardson

For a several-year leadership role in the SDIO area by leading proposal efforts resulting in a large, new multiyear Zenith Star contract.

Nagalakshmi Satyan

For outstanding technical supervision of the mechanical parts, materials, and process group for Strategic Systems, and supporting the ontime hardware delivery of FTM-1 for the Small ICBM.

Carl E. Schultz

For outstanding contribution toward the highly successful completion of the Titan IV wind tunnel buffet test required to support the Titan IV first flight.

Thomas L. Stanker

For outstanding technical management of the integration process for the first spacecraft to fly on the Titan IV launch vehicle.

Lawrence E. Stearns

For the supervision of a critical software program through development, formal acceptance, and installation.

Robert A. Thomas

For cultivating a new customer, establishing our technical credentials, and winning a three-phase contract that potentially leads to a major opportunity for the Space Systems Company.

William B. Thomas

For technical expertise and a professional approach that contributed significantly to the achievement of Defense Systems technical and operational goals for 1988.

Michael M. Tinetti

For developing an outstanding design for a highly critical and complex guidance control and monitor group in support of the Titan II SLV launch.

Mark Ugale

For dedication and technical excellence in providing outstanding support for the design, analysis, and test of the Titan IV cone vehicle.

John J. Walker

For dedication in providing outstanding engineering support in the area of materials engineering for production operations for Titan II, Titan IV, and Commercial Titan vehicles.

Stephen B. Westfall

For outstanding technical development, management, and performance of the Titan II flex line qualification testing for Titan II SLV.

Richard A. Wilson

For outstanding support of the SLC-7 program at VAFB and for technical leadership in developing the SLC-7 system performance requirements document.

John R. Yatchak

For leading the electrical CAE/CAD/CAM new vendor evaluation team that consisted of 51 people from all three companies and Data Systems.

Virgil F. Young

For outstanding leadership in Defense Systems engineering, leading to defect-free shipment of a major hardware and software system plus creation of an engineering excellence program.

Nicolaus M. Zdor

For outstanding technical performance as engineering lead and technical director of the highly successful Titan IV electromagnetic compatibility demonstration test.

Operational Performance Awards

Carolyn M. Aldorfer

For exceptional leadership of the benefits administration department, increasing the professionalism of that group and resulting in better service to employees.

David J. Audi

For outstanding and successful management of the emplacer modification program, resulting in completing the program seven months early, reducing performance indexes, and achieving "zero defects" in quality.

Ken B. Baier

For outstanding performance in managing AFPRO deficiency reports, resulting in the second straight year of improvement.

John L. Best

For successfully managing the proposal and negotiation of Commercial Titan orders in excess of \$150 million for launch services with Hughes to launch two new HS601-class communications satellites.

David V. Blanco

For extraordinary management of subcontract construction on a record number of projects for the Astronautics Group in 1988. Many tightly coordinated schedules were met with quality results.

Alvin Boling

For his outstanding support of wastewater treatment operations during 29 years of service with Martin Marietta.

Bruce A. Bowman

For outstanding leadership in developing improvements to Titan IV Class I change processing system and organizing visibility of processing these changes through Martin Marietta and customer system.

Henrietta L. Boyce

For performance in a significant and sustained manner to support multiple programs over the past year during a time when cleared resources were not available.

Craig M. Bradbury

For significant contribution to the hardware process in buying Titan II and Titan IV payload fairings. His dedication and management initiative resulted in well-organized and professionally managed Hardware Acceptance Reviews.

Edward M. Brady

For coordinating and managing the 1988 deliveries of the 650 end items of Titan II and IV electronic hardware built in Electronics Manufacturing Facility, supporting both programs' vehicle delivery schedules.

David R. Brown

For sustained contribution, recently reflected in development and implementation of a performance measurement system for use by independent estimating to monitor the Commercial Titan program.

Duane J. Brown

For outstanding leadership of a team responsible for mechanical and handling operations of a Defense Systems program.

Johns E. Clark

For technical expertise, dedication, and perseverance as a major contributor to the design excellence initiatives being implemented on the Commercial Titan program.

Mildred L. Clevett

For outstanding performance as assistant chief telephone operator. Her courteous and professional attitude in processing 1200 telephone calls per day contributes to a very efficient operation.

Craig T. Coffey

For exceptional performance in managing Astronautics Group tax-related activities that contributed to annual savings in state property taxes in excess of \$400,000.

William J. Compton

For outstanding leadership and performance on the Simulated Electronic Launch Peacekeeper (SELP) proposal effort, resulting in a contract award for Strategic Systems.

Bobby R. Cooke

For successfully directing facilities during an active year requiring skillful management and coordination of a record capital plan; a planned redefinition of the deployment of Astronautics Group personnel involving the relocation of over 8,000 people; and the construction of many new buildings, environmental projects, and factory renovations.

Robert B. Cryor

For skill and expertise that was demonstrably responsible for the success of both the Titan II and Titan III launch operations in 1988.

Luella Curtis

For outstanding quality inspection support to the Small ICBM PBV/Shroud/IRSS build and test program at the defense production facility.

Paul L. Dalton

For outstanding leadership and personal contribution in product integration, testing, and operations resulting in mission success on a major program element.

Benjamin H. Davis

For outstanding effort in organizing and managing the manufacturing assembly and weld area in SSIB.

Joseph Del Moral

For dedicated effort in the issuance, administration, negotiation, and definitization of 63 change orders on the McDonnell Douglas sub-contract in 1988.

Martin J. Deutsch

For outstanding contribution to the final negotiated settlement of the Small ICBM restructuring with the Ballistic Missile Office.

Thomas E. Devitt

For innovative reforms in definitive scheduling action assignment, tracking and reporting systems, and the building of a strong information network resulting in a more responsive and efficient method of processing change traffic.

Colleen C. de Vries

For outstanding achievement as a creator and presenter of a superlative "Truth In Negotiations" seminar attended by over 700 material and finance personnel and receiving commendations of excellence from all disciplines.

Stacey R. DiMercurio

For outstanding leadership in developing and implementing an innovative approach for providing customer cost reports in a more efficient, timely, and accurate manner.

John E. Dominguez

For effective management skills, style, and concern for people. Has developed a team spirit and an efficient work group within the buildings and grounds organizations.

Richard E. Dreith

For outstanding performance and 100% award fee for the 4th award fee period on the Small ICBM system support contract.

William G. Duke

For the responsibility to manage and integrate the daily activities of multiple contractor agencies totaling approximately 200 personnel at a critical offsite location.

Norma I. Emerson

For outstanding continued performance as department and personnel administrator in serving the employees and managers of Defense Systems.

David E. Eyman

For outstanding direction in supervising the Astronautics Group mail room operations and making it function more economically and productively.

Joseph R. Fairall

For his outstanding performance in reducing cost and improving quality in the Space Launch Systems major weld repair area.

Norman H. Fox

For outstanding leadership of the Denver support effort to the Cape during the Titan 34D-3 abort and the subsequent turnaround and launch activity.

Keith T. Fulton

For special recognition of his outstanding leadership as launch conductor during the receipt-thru-launch activities for Titan 23G-1 at Vandenberg Air Force Base.

Lawrence W. Gagnon

For outstanding technical and operational leadership in developing and implementing modifications to the Waterton wastewater treatment plant.

Catherine A. Gates

For exceptional performance as analyst for the Astronautics Group Information Systems department and for sustained commitment to improved productivity in operating the micro-computer loaner program.

Joseph Giordano

For outstanding support of special activities programs. Implementation of several systems/procedures that significantly enhance control and operational performance in special activities financial planning and accounting.

John G. Goldsberry

For leadership and innovation in bringing the manufacturing labor standards systems to a position of prominence in the aerospace industry.

Norman E. Greenwalt

For outstanding technical leadership in achieving a complex system integration and certification effort involving GFE, associate contractor, and Astronautics Group-supplied hardware and software.

James E. Greichen

For inspired leadership displayed in convincing the Air Force to refurbish Titan II and then leading the program to a perfect first launch.

Michelle M. Hager

For sustained outstanding service and support in the security badging function for the Astronautics Group.

Joshua G. Harvey

For successfully serving as project manager for the advanced computer lab and the integrated robotics facility. He was responsible for the highly versatile architectural design of EMF III and the interim polishing building.

Bruce W. Heller

For extraordinary performance in preparation of Commercial Titan price proposals that directly contributed to the latest contract win.

Mark D. Hinman

For commitment to producing cost-effective quality products and for total concentration on Mission Success at the engineering development lab, helping create a success-oriented lab.

Alan R. Hohl

For outstanding contributions to the Magellan program in system hazard elimination and completion of the phased safety reviews at JSC and KSC.

Steven R. Huck

For outstanding achievements on the Small ICBM program in manufacturing operations through dedicated work effort that ensured meeting critical schedule and performance goals.

Gary W. Johnson

For the development and implementation of estimating techniques that meet the criteria for MIL-STD-1567A compliance (the first AFCMD contractor to accomplish full compliance).

James W. Johnson

For superior leadership of the operational team that processed a major test article through integration to final acceptance.

William L. Johnstone

For outstanding sustained performance during the past three years in implementation of a fully integrated work measurement system (MIL-STD 1567A) in Strategic Systems company operations.

Diana H. Josephson

For her leadership in creating and directing a diverse industrial working group that was instrumental in obtaining new legislation in the U.S. Congress to support the new commercial space transportation industry.

Wesley J. Keith

For his dedicated leadership as the vehicle project engineer at VAFB, directly contributing to the successful launch of Titan II SLV 23G-1.

Debra A. Kirar

For outstanding safety analysis effort on the Small ICBM PBV/Shroud project, including identification and resolution of hazards in the design and test.

Larry D. Knauer

For development of the ALS CR&D bid opportunity plan that resulted in six winning proposals and nine pending decisions in 1988.

Thomas J. Konrad

For outstanding performance in ensuring the success of the CT payload carrier assembly and payload fairing move from Europe to Denver, and for enhancing Martin Marietta's position in the commercial launch vehicle market.

George R. Larsen

For outstanding performance in preparing a revised hazardous waste management plan for the Waterton facility.

L. David Lemieux

For providing system and software expertise to Astronautics Group, including the design and implementation of computer systems for the new Huntsville Technical Services Company and the successful NTB proposal.

James G. MacLachlan

For conducting action planning and team building activities, and demonstrating the value of a credible OD function within the personnel organization to members of senior management.

Michelle A. Martensen

For demonstrating outstanding initiative, creativity, and technical and operational understanding, plus a solid system security engineering approach to solve numerous Operational Security (OPSEC) concerns.

Moises Martinez

For outstanding performance in maintaining the GPL and VTF facilities in a quality manner as well as his positive attitude when requested to take on additional assignments.

Debra R. Matteson

For contributions as the key participant in the design and implementation of a computerized classified accounting system, resulting in a significantly improved method of records accountability.

Evan D. McCollum

For his outstanding planning, guidance, and execution of community relations programs in metropolitan Denver and Huntsville.

Glenda M. McFarlin

For sustained outstanding performance as the IR&D program administrator. Her significant contributions have been instrumental in the continued success of the Astronautics Group IR&D program.

Michael J. McIntyre

For knowledge of manufacturing functions and capabilities. He has been instrumental in the conceptual methods of planning and accomplishment of the Long Range Facility plan for detail manufacturing end parts needs.

Linda M. Moore

For sustained excellence in providing furniture and equipment for onsite and offsite facilities for the Martin Marietta Astronautics Group to meet critical manpower consolidation activities.

J. Michael Murphy

For outstanding management of the SRTF team in supporting MSFC in its successful effort to return STS to a flight status resulting in a 100% award fee.

Gordon P. Nielsen

For outstanding leadership as program manager, Small ICBM, Vandenberg AFB, and exceptional performance in achieving a significant program cost underrun.

Eric M. Notheisen

For aggressive diligent staff work through the audit process, providing information in several areas that enabled management to take necessary action to improve processes.

Susan L. O'Connell

For outstanding performance and leadership in Space Launch Systems business development on the Titan II program.

Dan P. Pankowski

For sustained outstanding performance in the role of C&DM chief for the special programs product area.

Young G. Park

For exemplary performance, ability, initiative, and dedication as a senior assembler for all Defense Systems program subsystem hardware operations.

Kim J. Parker

For major contributions toward assuring that the Astronautics Group met its requirement for standards coverage on EMF/2nd floor electrical work for Titan IV.

Mel R. Peterson

For outstanding performance and dedication in support of quality assurance. His contributions have significantly aided in attaining quality goals and improved AFPRO relations.

Steven J. Piccioni

For professionalism and sustained superior performance in the coordination of plant protection security and fire protection responsibilities at the Terrace Towers facility.

Jerry B. Pitts

For dedication to our company's Sexual Harassment Awareness Program, and reviews and resolutions of issues pertaining to sexual harassment evidenced by the program's success among Martin Marietta management and employees.

Michael P. Ragole

For exceptional operational performance in developing statements of customers' requirements, fashioning the out-year program, and supporting the defense program customer in presenting it to higher authority.

Raymond Ray

For outstanding performance of the independent cost/negotiation strategy assessment for TOS and Small ICBM restructure/termination resulting in bettering the negotiations and profitability of the programs.

Robert D. Rhodus

For leadership of the Defense Systems operations organization. Their 1988 record in test, logistics, and manufacturing had been one of 100% mission success and highly commended by the customer.

James M. Ritz

For responsible fabrication and test of deliverable electronics hardware for all Astronautics Group programs. EMF has one of the best performance records of electronics-producing organizations in the Air Force's inventory.

Carl A. Rizza

For outstanding leadership and contribution to the development and implementation of the Small ICBM program integrated scheduling system that now serves as a model on other programs.

Laura D. Rodgers

For directing activities of Space Launch Systems product assurance business management, assuring current financial data, timely reporting, and managing the cost reduction effort.

Edward G. Rodriguez

For significant personal contribution in the application of advanced manufacturing technologies, innovative handling processes, and computer-controlled automation to the advanced launch system.

Garland A. Roe

For sustained performance in the contribution to more winning competitive proposals over the past 25 years than any other employee of Astronautics Group.

Parker S. Stafford

For exemplary management of multiple organizations and disciplines resulting in the successful delivery and operation of a major Defense Systems product.

Richard C. Starkey

For coordinating, assembling, and participating in the 1989 capital planning cycle, which resulted in a favorable 95% increase over 1988 allocation.

Timothy M. Steeples

For consistent outstanding performance related to fabrication and maintenance of complex electronic test equipment used in the electronics manufacturing facility.

Willie G. Sutton

For knowledge and expertise in cleaning and plating all types of metals. His quality of work and ability to assist others are outstanding.

Leonard G. Taigman

For sustained excellence in business development in the areas of long-range planning and new business strategy.

John S. Thomas

For outstanding leadership and support for financial goals and objectives of the Titan IV program, one of the largest contracts within Martin Marietta Corporation.

Rodney S. Traff

For establishing a highly successful organization to provide and implement CAE/CAD/CAM through automation and the integration of engineering analysis, design, and manufacturing for Space Systems.

William R. Usher

For outstanding leadership in ensuring the Strategic Arms Reduction Treaty (START) being negotiated with the Soviet Union will be compatible with the conduct of Martin Marietta's defense business.

Richard W. VandeKoppel

For outstanding program direction of the SDI Space-Based Interceptor program, establishing Martin Marietta as a program leader, and enhancing the program's role at SDIO.

Marvin D. Vander Weg

For outstanding contribution in the leadership of the negotiation team that settled the Small ICBM partial termination proposal with the Ballistic Missile Office.

Murray L. Vogel

For outstanding achievements on the Small ICBM program through method improvements and dedicated work effort that ensured meeting critical schedule and performance goals.

James E. Watson

For his sustained performance on Titan IV as the business manager, and his ability to find work-arounds to complex problems on the largest and most complex contract in Martin Marietta.

Donna F. Watts

For consistent outstanding performance and proven leadership potential as a PALS III/Open plan user in the EMF integrated scheduling capacity.

Richard W. Webb

For outstanding management of the Titan IV structural test program on the payload fairing and core vehicle, resulting in successful completion of tests to support Titan IV initial launch capability.

Barbara S. Weightman

For being the primary motivation force in effectively implementing the Louis Tice Pacific Institute "Investment in Excellence" series into the mainstream of executive level management and into the workforce.

Patricia M. Willis

For sustained outstanding performance, dedication, and professionalism in providing secretarial leadership and support to the entire Strategic Systems company management team.

Donald E. Winfrey

For outstanding procurement management in the reassessment and launch support for Titan II and Titan 34D.

Lonnie D. Wood

For prolonged operational excellence in facilities space planning and implementation of the resulting plans.

Harrison C. Wroton

For conceiving and implementing the Martin Marietta Engineering Excellence Initiative, which is being instituted throughout the Martin Marietta Astronautics Group.

Walter S. Yager

For outstanding technical management and direction of the payload integration organization and successfully orchestrating the demands of three distinct classes of payload launching on both coasts.

Raymond G. Ziehm

For superior performance in building a product area with strong hardware performance and outstanding performance in related advanced technology contracts.

Kenneth E. Zitek

For recognition of the outstanding contribution made by the Los Angeles operations team to a major Space Systems effort.

Special Awards

Author of the Year**Benton C. Clark**

Primeval Procreative Pond

Engineer of the Year**Virgil F. Young**

For outstanding leadership in Defense Systems engineering, leading to defect-free shipment of a major hardware and software system plus creation of an engineering excellence program.

Manager of the Year**Parker S. Stafford**

For exemplary management of multiple organizations and disciplines resulting in the successful delivery and operation of a major Defense Systems product.

Inventors of the Year**Michael G. Barth**

Aluminum Etchant Bath Maintenance Process

Kevin J. Dykema

Aluminum Etchant Bath Maintenance Process

Jack T. Snyder

Aluminum Etchant Bath Maintenance Process

Special Recognition Awards

Wendy L. Lawson

For an excellent job in supporting our 1988/89 Succession Planning Process. Wendy worked closely with senior management in the development and implementation of Competency Models for Martin Marietta Astronautics Group Succession Planning and the executive development effort. She has also worked with programs promoting and developing women and minorities.

Joseph P. Martin

For outstanding contributions and leadership as Chairman of the Astronautics Publications Awards Committee, which selected our authors for awards during the past five years. Dr. Martin is retiring his post as Chairman and we wish to acknowledge his personal efforts on behalf of past and future authors.

Congratulations



