

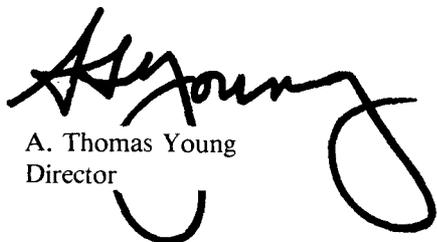
## *New Year's Greetings*

### *New Year's best wishes from Center Director A. Thomas Young*



On behalf of the management of Goddard, I would like to wish all of you and your loved ones a happy and joyful new year. The Center has once more experienced a highly productive year with important successes in all of our major programs. I am proud to have the Wallops staff join our family.

With the dedication and ingenuity of our staff, I am confident that the coming year will be equally exciting and rewarding. I look forward to sharing it with you and wish everyone associated with Goddard the very best for the new year holiday and for the year to come.



A. Thomas Young  
Director

### Keller named Director of Suborbital Projects and Operations

Mr. Warren Keller has been appointed Director of Suborbital Projects and Operations (code 1000), replacing Mr. Abraham D. Spinak, who has who has been the acting Director since the Goddard/Wallops consolidation.



Mr. Keller comes to Goddard from NASA Headquarters where he has served for the past year as Deputy Director of the Solar Terrestrial and Astrophysics Division of the Office of Space Science (OSS). This assignment followed the combining of the Astrophysics Division with the Solar Terrestrial Division where he served from 1979 as Deputy Director.

Prior to becoming Deputy Director of the Solar Terrestrial Division, Mr. Keller was Manager of Astronomy Payloads in the Astrophysics Division of the OSS, where he also acted as the original Program Manager of the Space Telescope Program from 1976 until 1979. He came to the Astrophysics Division from the Lunar and Planetary Division of the OSS where from 1972 until 1976, as Manager, Outer Planets Mission, he was Program Manager for the Voyager mission. From September 1970 until January 1972, he served in the Planetary Division of the OSS as Deputy Program Manager for the Outer Planets Grand Tour.

Prior to joining the OSS, Mr. Keller served for eight and a half years in the Space Vehicles Division of the Office of Advanced Research and Technology (OART) at NASA Headquarters as Chief, Space Vehicles Environmental Factors Branch.

### *Inside*

H.Q. Key Appointments.....page 2  
1981 Joint NASA/Goddard Honor Awards  
Ceremony held.....page 3

## Key Appointments

### Olstad appointed NASA Associate Administrator for Management



Dr. Walter B. Olstad has been named NASA's Associate Administrator for Management, replacing Edwin C. Kilgore who retired October 2, 1981. Olstad had been serving as Deputy Administrator for Aeronautics and Space Technology since 1979. C. Robert Nysmith will replace Olstad in an acting capacity. Both appointments are effective immediately.

As Associate Administrator for Management, Olstad will provide managerial direction involving all functional management and administrative matters such as personnel, supply and equipment, facilities and computer support. He will also provide managerial advice and support to program Associate Administrators, the Deputy Administrator and the Administrator.

The Office of Management was created under the NASA reorganization plan which became effective in November. This new office will handle part of the functions previously performed by the Office of Management Operations and some of the functions under the NASA Comptroller.

Prior to becoming Deputy Administrator for Aeronautics and Space Technology, Olstad served as Chief of the Space Systems Division at NASA's Langley Research Center, Hampton, Virginia, since July 1975.

Olstad joined NASA in June 1954 at Langley as an aeronautical research engineer, serving first in the Transonic Tunnels Branch and then in the Reentry Physics Branch. In 1966 he was named Head, Gas Physics Section, and in 1969 was appointed Head, Advanced Entry Analysis Branch.

### *Allnutt takes new post*

Robert F. Allnutt, NASA Associate Deputy Administrator since mid-1978, has been named Deputy General Counsel for Policy Review.

In his new position, he is responsible for a series of reviews of the legal implications of major NASA policy areas. He is succeeded by Philip E. Culbertson.

Allnutt, 46, came to NASA from the Department of Energy, where he was Assistant General Counsel for Legislation. Earlier, he was Staff Director and counsel to the U.S. Senate Committee on Aeronautical and Space Sciences; Associate General Counsel of the Commission on Government Procurement; NASA's Assistant Administrator for Legislative Affairs; and Assistant General Counsel of NASA for Patent Matters.

He was named a Meritorious Senior Executive by President Reagan last fall. He also holds the NASA Exceptional Service Medal and the Energy Research and Development Administration's Meritorious Service Award.

### *Culbertson named NASA Associate Deputy Administrator*

Philip E. Culbertson has been named Associate Deputy Administrator of NASA.

In this senior staff position, Culbertson, as a special assignment, directs NASA planning for the development and operation of a U.S. Earth-orbiting platform or station capable of evolutionary growth to a facility which could support intermittent or long-term human habitation.

Culbertson succeeds Robert F. Allnutt, who has become Deputy General Counsel for Policy Review.

Culbertson has been NASA's Assistant for the Space Transportation System since 1979. He was Deputy Associate Administrator for Space Transportation Systems (Technical) from 1977-1979. Earlier assignments within NASA include the positions of Assistant Administrator for Planning and Program Integration from 1976-1977, Director of Mission and Payload Integration from 1972-1976, Director of Advanced Programs from 1969-1972, and Director of the Skylab Program Integration Office from 1967-1969.

# Annual joint NASA/Goddard Honor Awards

The 1981 joint NASA/Goddard Honor Award Ceremony was held last month, acknowledging those individuals and groups who have contributed so much to the success of the space program. The NASA awards presented were: Outstanding Leadership Medal, Exceptional Scientific Achievement Medal, Exceptional Service Medal, Group Achievement Award, and Public Service Group Achievement Award.

Goddard awards presented at the ceremony were: Exceptional Performance Award, Outstanding Service Award, Equal Opportunity Award, Public Service Award, and Group Achievement Award. For previously recognized achievements, the following awards

were given: John C. Lindsay Memorial Award, Moe I. Schneebaum Memorial Award, Annual Safety Awards, and Annual Secretaries/Clerical Awards.

Goddard performance awards were presented as Quality Step Increases and Special Achievement Awards. Awards for new technology went for Inventions and Contributions and Tech Briefs.

Awards were also given for Outstanding Performance Ratings, and employees participating in the following programs were recognized: Three-Quarter Credit Graduate Study Program, and Technical/Wage Grade Apprenticeship Program (TAP/WGAP).

## Outstanding Leadership Medal

**David Atlas**

For outstanding and inspiring scientific leadership in planning, organizing, and executing a broadly-based research program which resulted in many significant advances in the atmospheric sciences and related disciplines.

**John H. Boeckel**

For distinguished service, consistent exceptional leadership, personal dedication and significant contributions to the management of the Test and Evaluation Division, Landsat/Nimbus Project, Applications Directorate, Systems Reliability Directorate, and the Engineering Directorate at the Goddard Space Flight Center.

**Walter LaFleur**

For innovative engineering management leadership in the development of a consolidated ground network and dedication to the challenge of Shuttle/TDRSS requirements.

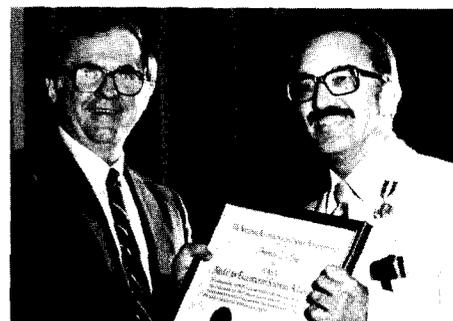
## Exceptional Scientific Achievement Medal

**Thomas L. Cline**

For outstanding scientific achievement in the new field of cosmic gamma ray transients, for their precise source locations and source object studies, and for establishing gamma ray transients as a new key in the understanding of neutron star physics.



Walter LaFleur not pictured.



## *Exceptional Scientific Achievement Medal (cont.)*

### **Eugenia Kalnay**

For the development of a highly original, accurate, and efficient global atmospheric circulation model, which has proven the usefulness of the FGGE satellite observing system in extending the range of skillful weather predictions beyond a week, for her contributions to dynamic meteorology in the area of atmospheric blocking, and for the discovery of stationary Rossby waves in the Southern Hemisphere during FGGE.

### **Reuven Ramaty**

For outstanding scientific accomplishments in theoretical gamma ray spectroscopy and their application to problems of solar physics, galactic astronomy and the origin of cosmic gamma ray transients.

### **Harry A. Taylor, Jr.**

In recognition of his outstanding contribution to our understanding of the ionospheres of Earth and Venus through his pioneering development and application of Bennett Ion Mass Spectrometers on the Orbiting Geophysical Observatories, the Atmosphere Explorer and the Pioneer Venus spacecraft.

## *Exceptional Service Medal*

### **Lloyd C. Briggs**

For significant contributions over the past 16 years to the NASA Sounding Rocket Program. His personal dedication, professional skill, leadership, and enthusiasm have made an invaluable contribution to more than 300 sounding rocket launches.

### **Danny A. Dalton**

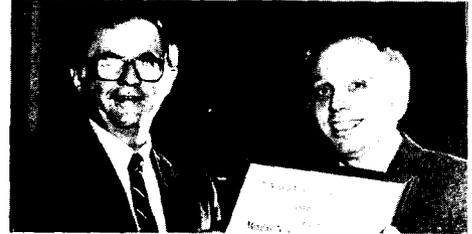
For outstanding contributions in the design and development of the realtime telemetry data system in the Space Tracking and Data Network.

### **Robert T. Groves**

For his outstanding service in providing NASA with state-of-the-art flight dynamics systems and support which achieved precision beyond the design goals.

### **Frank A. Keipert**

For his outstanding service in providing NASA with state-of-the-art data processing services which are performing at or beyond the goals for both imaging and nonimaging data types.



## *Exceptional Service Medal (cont.)*

**William P. O'Leary**

In recognition of his dedication and service to the enhancement of Goddard's image and reputation for its contribution to society.

## *Public Service Award*

**Albert W. Fia**  
**Bristol Aerospace Limited**

For his dynamic leadership in the development of solid propellant motors and rockets. His efforts at Bristol Aerospace have resulted in a family of Black Brant sounding rockets which are unequaled in reliability, performance and cost-effectiveness. He has been an eager and invaluable partner in numerous joint NASA/Bristol ventures which have increased man's capability to conduct research in space.

**Patrick P. McDermott**  
**Coppin State College**

For outstanding contributions in advancing the technology of nickel-cadmium batteries for space application and excellent leadership in training minorities in careers in the science and engineering field.

**Glenn Pearson**  
**Visitor Center**

For his outstanding industry, attitude and success in furthering the public image of NASA with the general public and Congressional visitors through his personal efforts on his own time in conducting model rocket demonstrations and meets at the NASA and Goddard Visitor Center sites. His outstanding efforts have brought praise to NASA.

## *Group Achievement Award*

**Antarctica Sounding Rocket Expedition Team**

In recognition of outstanding professional and technical competence in planning and conducting the highly successful 1980/1981 Siple Station Antarctica Nike-Tomahawk launch expedition which produced exceptional scientific results.

**HEAO-C Network Support Committee (NSC) and Network Support Team**

In recognition of HEAO-C team members of the Networks Directorate and the Mission and Data Operations Directorate for their outstanding performance and significant contributions to the overall Network Planning and mis-



## *Special Achievement Awards*

Richard A. Abercrombie  
 Fredreda C. Akers  
 Pedro M. Alea  
 Christine B. Alexandre  
 Maksim Aleksandrov  
 Pamela L. Allen  
 William H. Anonsen  
 John I. Arens  
 John H. Armiger  
 Evelyn Astier  
 David A. Baer  
 Elva Bailey  
 Wayman E. Baker  
 Peter M. Baltzell  
 John L. Barker  
 Marjorie C. Barnard  
 Jerome Barsky  
 Frank H. Bauer  
 Joan A. Baylor  
 Vondelear A. Baylor  
 Norman R. Beard  
 Gilbert P. Becklin  
 Kenneth W. Behannon  
 David O. Bell  
 Thomas L. Bell  
 Thomasa M. Bell  
 Samuel E. Bergeson-Willis  
 Allen K. Berndt  
 William D. Bialek  
 Linda J. Bingham  
 William J. Bolster  
 Helen T. Bonk  
 Harry M. Born  
 Paula G. Boucher  
 Joseph B. Bourne  
 Carol A. Bowlus  
 Linda L. Bradford  
 Walter D. Bradley  
 William R. Bradley  
 Betty R. Brocki  
 Alan D. Brown  
 Paul G. Brumberg  
 Thomas K. Brust  
 John R. Bryan  
 Sandra A. Buffalano  
 James S. Burcham  
 Jeannette R. Burns

Continued to Page 7

Continued on next page

## *Special Achievement Awards (cont.)*

Valorie A. Burr  
 Oliver Cain  
 Teresa L. Campbell  
 William J. Campbell  
 Ann L. Cancelli  
 Thurston P. Carleton  
 Richard D. Carper  
 Daniel P. Carrigan  
 James W. Chapman  
 Betty J. Chesney  
 Herbert Chin  
 John S. Chitwood  
 Nicholas G. Chrissotimos  
 Leland W. Cisney  
 Candy A. Clark  
 Lynn B. Clark  
 Regina J. Cody  
 Leonard Cohen  
 Brenda E. Coleman  
 Michael A. Comberiate  
 John E. Connerney  
 Denise A. Connor  
 Matthew Conway, Jr.  
 Jimmy E. Cooley  
 Gary W. Cooper  
 Juanita Corso  
 Charles M. Cosner  
 Charles E. Cote  
 Julian F. Cottrell  
 Scott C. Cox  
 Ronald E. Craig  
 Marilyn S. Cross  
 Harry L. Culver  
 F. Gary Cunningham  
 Robert J. Curran  
 John T. Dalton  
 Christopher J. Daly  
 Sandra K. Daniels  
 Reobert L. DeFazio  
 Richard A. DeMarco  
 George Demas  
 Brian R. Dennis  
 Michael Desch  
 Michael J. Devett  
 James A. Dillingham  
 Thomas A. Dixon  
 Harold G. Domchik  
 Susan T. Donnelly  
 Ernest C. Doutrich  
 John E. Dowling  
 Eva M. Doyle  
 Karen L. Doyle  
 Betty A. Dumas  
 Charles H. Duncan  
 John A. Duncan

Judith A. Dunnington  
 Juanita Y. Early  
 Robert M. Earnest  
 Joseph J. Eck  
 James W. Edwards  
 Sherri L. Elben  
 James C. Elliott  
 Joyce A. Farner  
 Philip B. Farwell  
 Marion F. Federline  
 David Fischel  
 F. Michael Flasar  
 Lillian H. Fleenor  
 James A. Flemming  
 Stephan W. Fogleman  
 Mary A. Frakes  
 Clyde H. Freeman  
 H. Richard Freeman  
 Randy A. Frisch  
 Ida R. Fuller  
 Marjorie C. Gallagher  
 Virgil F. Gardner  
 Michele L. Garrett  
 Paul Garza-Robles  
 Allen A. Gualt  
 David M. Gayle  
 Carl L. Geiger  
 Arthur L. Gilbert  
 Joseph J. Gitelman  
 Anna C. Glorioso  
 Maria E. Goins  
 Leven B. Gray  
 Gerald J. Grebowsky  
 Patricia A. Greco  
 Desiree Green  
 John E. Green, Jr.  
 Marciano Guarin, Jr.  
 Ronald R. Gunton  
 Joan M. Haas  
 Ernest Hairston  
 Milton Halem  
 Gardiner A. Hall  
 Frederick C. Hallberg  
 Terry M. Hamlin  
 Mary A. Hammersley  
 Debbie L. Hance  
 Rudolf A. Hanel  
 E. Lee Harper  
 Gary A. Harris  
 Judith A. Hasenei  
 Paul Heffner  
 Joseph F. Heinig  
 Donald G. Henry  
 Lawrence W. Herath  
 Robert L. Hermann  
 Howard S. Heuberger

Jeanette Q. Hines  
 Jerry R. Hodge  
 Henry C. Hoffman  
 Charlie Holloway  
 Richard G. Holmes  
 William E. Holmes  
 Robert E. Horn  
 Lee J. Horning  
 Jack A. Horton  
 Sandra J. Howard  
 Allen D. Huffman  
 Brian L. Hughes  
 Helena G. Hungerford  
 Floyd H. Hunsaker  
 Candace D. Hunter  
 Andrew W. Huntress  
 Edward J. Hurley  
 Mary P. Hutchings  
 Abram C. Irby  
 Mildred Z. Iseminger  
 Kathryn M. Isham  
 William C. Isley  
 Andre D. Jackson  
 Wayne S. Jackson  
 Catherine J. Jameson  
 Donald E. Jennings  
 Marjorie L. Johns  
 Aleta E. Johnson  
 Edward H. Johnson  
 Orbie L. Jones  
 Robert L. Jones  
 Madeline Justiniano  
 Bonnie M. Kaiser  
 Michael L. Kaiser  
 Milton W. Kalet  
 Theresa L. Kaminski  
 Benjamin H. Keith  
 Angelita C. Kelly  
 Gina E. Kemp  
 Florence D. Kenny  
 Peter J. Kenny  
 Philip S. Kirby  
 Edward J. Kirchman  
 Donald L. Kirkpatrick  
 Kenneth Kissin  
 G. Gordon Knoble  
 Jacques D. Knox  
 John T. Koslosky  
 Ellen J. Kozireski  
 Peter Krul  
 Virgil G. Kunde  
 Paul J. Kuchmeider  
 William A. Landymore  
 Robert A. Langel  
 Alexander Lawrence  
 Linda J. Ledman  
 Roger H. Ledoux

Continued to Page 7

## ***Group Achievement Award (cont.)***

sion support effort of the highly successful HEAO-C mission.

### **Human Tissue Stimulator Project Team**

In recognition of the creative insight, technical excellence and superior management expertise that has exemplified the potential benefit of adapting aerospace technology to the alleviation of many medical disorders.

### **Landsat OCC Team**

For excellence in operating the Landsat-1, -2, and -3 spacecraft, providing the world community with invaluable earth resources data, and for sustaining this high level of performance for the past nine years.

### **Magnetic Tape Certification Facility**

In recognition of the innovative management dedication to purpose, and the high level of performance of the Magnetic Tape Certification Facility personnel whose efforts have significantly contributed to the more cost effective operation of NASA projects.

### **Nimbus-7 Operations Team**

For the outstanding team effort involving civil service, Bendix Control Data, General Electric, Lear Siegler, Computer Sciences, and MATSCO personnel in support of the Nimbus-7 operations which were expanded to include real-time demonstrations and a world-wide community of users.

### **Real-Time TOMS Team**

In recognition of outstanding achievements in planning, development, and implementation of a near real-time Nimbus-7 TOMS data production and delivery system. Through these efforts, the value of TOMS data for meteorological analysis and aviation safety are being demonstrated, and an unexpected commercial benefit from a research instrument was realized.

## ***Public Service Group Achievement Award***

### **Bristol Aerospace Limited**

For their pioneering efforts in the development and application of solid propellant motors and Black Brant sounding rockets. They have been an eager and invaluable partner in numerous NASA/Bristol ventures including their successful company-funded development of the Nihka motor which is to be used in the Black Brant X.

### **Magsat Attitude Support Team**

In recognition of their outstanding accomplishment in the analysis, development, and operations of the attitude control, intermediate definitive attitude and fine aspect support systems which successfully resulted in exceeding all attitude mission requirements for Magsat.

### ***Special Achievement Awards (cont.)***

Charles A. Lee  
 Susan A. Lehman  
 Ronald P. Lepping  
 Danny L. Lester  
 Diane L. Levine  
 Diane M. Lewis  
 Maurice E. Lewis  
 Richard M. Libby  
 Henry G. Linder  
 Thomas P. Lojacono  
 Felicia L. London  
 Richard C. Long  
 Waddell Longus  
 Hiram Lopez  
 Edward T. Lowe  
 Ralph L. Lusby  
 John C. Lyons  
 Calvin R. Lyons  
 Charles J. MacCartee  
 Charles M. MacKenzie  
 Dorothea R. Madsen  
 William C. Maguire  
 Jeffer M. Mahmot  
 Anthony E. Maione  
 S. Jane Mann  
 George M. Marechek  
 Sewell R. Marsh  
 Augusta Q. Marshall  
 Maria L. Martin  
 Pilar T. Martin  
 Robert E. Martin  
 Charles T. Martino  
 Charles D. Mason  
 Willis B. Mason  
 Patricia A. Mattia  
 Roger A. Mattson  
 Marvin S. Maxwell  
 Edward E. Mayo  
 Kenneth J. Meese  
 Hans M. Mende  
 Stephen P. Meszaros  
 Gary F. Meyers  
 Frederick W. McCaleb

## *Exceptional Performance Award*

Albert Arking  
 Jerome Barsky  
 Paula R. Burnett  
 John W. Cameron  
 (Posthumous)  
 Ming-Dah Chou  
 James R. Greaves  
 A. Frederick Hasler  
 Donald F. Heath  
 David R. Howell  
 Roy A. Huffman

Robert B. Jackson  
 Alton E. Jones  
 Paul J. Kocin  
 Michael J. Lodomirak  
 Robert A. Langel  
 Gary F. Meyers  
 Sandra L. Morey  
 Eldean K. Penn  
 William N. Redisch  
 Alois W. Schardt  
 Jagadish Shukla

Luther W. Slifer, Jr.  
 Sabatino Sofia  
 Warren M. Sparks  
 Donald E. Stilwell  
 Donna L. Throne  
 Mona Tycz  
 Louis W. Uccellini  
 W. Travis Walton  
 Donald K. West  
 Bettie L. White  
 Jack T. Williams

## *Group Achievement Award*

Compatibility Test Section  
 Geostationary Operational Environmental  
 Satellite Project  
 Infrared Astronomy Camera Team

Management Information Storage and Users  
 Retrieval System (MISURS) Team  
 Networks Procurement Office  
 Resource Analysis Office (RAO)

VAS Demonstration Team

## *Special Achievement Awards (cont.)*

Dwayne A. McCall  
 Debora L. McCallum  
 Sidney R. McClure  
 William F. McDonald  
 James McKinney  
 James T. McLean  
 Andrew G. Michalitsianos  
 Linda C. Michel  
 Nora F. Michel  
 Elizabeth M. Middleton  
 Deborah A. Mills  
 James F. Mills  
 Jean C. Mockbee  
 Glen W. Mohn  
 Elaine C. Montgomery  
 Harry E. Montgomery  
 Albert M. Moore  
 Mattie L. Mooring  
 Joyce D. Mooten  
 Richard F. Morris  
 Daniel P. Muhonen  
 James A. Mullins  
 Edward C. Mundy, Jr.  
 James R. Mundy  
 William S. Muney  
 Irene C. Nash  
 Patricia R. Neff  
 Sharon D. Nelson  
 Charles R. Newman  
 Blanche C. Newton  
 Llewellyn W. Nicholson  
 Delores F. Nock  
 Linda A. Norsworthy

Lawrence V. Novak  
 Wilam A. Odenthal  
 Joseph A. Oktavec  
 Laura D. Oliff  
 Mary E. Olverson  
 Paul J. Ondrus  
 Terrence P. O'Neill  
 Richard Ormsby  
 Larry E. Orwig  
 Howard K. Ottenstein  
 Thomas A. Page  
 Donald A. Parker  
 Sylvia N. Parker  
 Ralph P. Paulis  
 John C. Pearl  
 Bernard Peavey  
 Betty A. Pena  
 Daniel M. Pendleton  
 David W. Peters  
 Denise M. Peterson  
 Robert L. Peterson  
 Betty A. Pettus  
 Joseph A. Pirraglia  
 P. Diane Plater  
 Robert H. Plaumann  
 Thomas B. Plummer  
 Winifred C. Podmostko  
 Karen S. Pope  
 Preston J. Pope  
 Lorrel E. Popp  
 Karen S. Posey  
 Nelson H. Potter  
 Elender J. Pouncy

Robert G. Powless  
 V. Sue Prevost  
 Edward J. Prokop  
 Clarke R. Prouty  
 David E. Provost  
 Edward F. Puccinelli  
 David F. Puckett  
 John P. Purcell  
 Kenneth E. Purcell  
 Maie K. Randolph  
 Daine M. Rawlings  
 Carl A. Reber  
 Charles M. Recknagel  
 Edith I. Reed  
 Dorothy H. Reid  
 Gerald D. Repass  
 M. Gayle Richardson  
 Roland M. Ridgeway, Jr.  
 Mary E. Rigby  
 Carl O. Roberts  
 James H. Robinson, Jr.  
 John F. Rogers  
 Lib. C. Rogers  
 Douglas H. Rose  
 Helen Rothman  
 Nelson F. Rubin  
 Arthur P. Ruitberg  
 Edward O. Ruitberg  
 Robert E. Samuelson  
 Pedro D. Sarmiento  
 William N. Schaefer  
 Alois W. Schardt

Continued to Page 11

## *Inventions and Contributions*

James B. Abshire	GSFC	Leonard L. Kleinberg	GSFC
William A. Adams	GSFC	Gerhard A. Koepf	Phoenix Corp.
Victor S. Reinhardt	GSFC	Sheng Yen Lee	GSFC
Joseph W. Cunningham	GSFC	Peter O. Minott	GSFC
Lawrence D. Wing	GSFC	Henry D. Obler	GSFC
Charles M. Fleetwood	GSFC	John Paulkovich	GSFC
Stephen H. Rice	GSFC	Philip A. Studer	GSFC
Michael P. Goldowsky	North American Phillips Corp.	Woodrow W. Poland	GSFC
Charles R. Griffin	GSFC	George C. Schoppet	GSFC
William A. Leavy	GSFC	James W. Sennott	Howard Univ.
Lawrence W. Harper	International Laser Systems, Inc.	Ralph E. Taylor	GSFC
Raymond P. Harris	GSFC	Philip A. Studer	GSFC
John A. Hrastar	GSFC	Alan M. Title	Lockheed Missiles & Space Co., Inc.
Donald E. Jennings	GSFC	Thomas E. Wise	Bendix Field Eng., Corp.
Edward L. Kenyon	International Laser Systems, Inc.	Lo. I. Yin	GSFC

### *Equal Opportunity Award*

Joseph H. Bredekamp, Jr.  
Jacques D. Knox

### *Public Service Award*

Lawrence A. Pratt  
Walter B. Sullivan, Jr.

### *Outstanding Service Award*

Darlene A. Ahalt  
Pedro M. Alea  
Gerald R. Baker  
Marjorie C. Barnard  
Paulett M. Behanna  
Robert A. Callens  
Isabella J. Cole  
Raymond W. Disilvestre, Jr.  
Donna D. Drummond  
James S. Evans  
Joan M. Haas  
Mary A. Hammersley  
Jerry R. Hodge  
Jenny S. Jacques  
Cynthia G. Kelly

Nancy A. Laubenthal  
Raymond E. Lindsay  
Jerry S. Linnekin  
Ivan J. Mason  
Stephen P. Meszaros  
Jacqueline R. Mills  
Elaine C. Montgomery  
Irene C. Nash  
Jack Nieberding  
Westinghouse Corp.  
Douglas P. Niebur  
Computer Science Corp.  
Linda D. Price  
Patricia A. Ratkewicz  
Teresa B. Ricketts

Mary E. Rigby  
Faye L. Richardson  
Frederick B. Shaffer, Jr.  
Allan Sherman  
Eric C. Silverberg  
University of Texas  
Andrew M. Smith  
Harriet Gordon Spadin  
Charles L. Staugaitis  
Kathryn A. Stoner  
Jorise M. Sutton  
James C. G. Walker  
University of Michigan  
Upton J. Walters, Jr.  
Wiley W. White

**Moe I. Schneebaum Memorial Award****Charles H. Vermillion**

For his leadership and contributions to the development of low cost, direct spacecraft-to-ground terminals for the real-time acquisition of remotely sensed data.

**John C. Lindsay Memorial Award****Kenneth J. Frost**

For his scientific leadership in the development of the Solar Maximum Mission and for the highly successful operation of this cooperative study of solar flares.

## Annual Secretaries/ Clerical Awards - 1981

Deborah A. Bartley	Patricia D. Plater
Stella M. Burress	Judith Poppe
Rosemarie F. Givens	Johanne G. Reynolds
Debbie L. Hance	Latonya T. Ruth
Martha Ann Horseman	Barbara A. Skinner
Catherine J. Jameson	Harriet G. Spadin

## Second Annual Goddard Safety Awards

Safety Award of Honor:

**Joseph P. Garvey**

Safety Award of Merit:

**Robert E. Ambrose**  
**Richard D. Cory**  
**Albert M. Dunnington**  
**John M. Garrett**  
**Marciano Guarin**  
**John E. Lallande, Jr.**  
**James M. Largent**  
**Claybourne S. Magee**  
**James W. Ryland**  
**Richard D. Stewart**  
**James T. Stillwell**

## Technical/Wage Grade Apprenticeship Program

The object of this program is to develop technicians with trade skills for research required for NASA's space program.

**FIRST YEAR APPRENTICES**

Kerry Wormwood	TAP
Michael Thompson	TAP

**SECOND YEAR APPRENTICES**

Kathleen Gray	TAP
Joseph Daughton	TAP
Gary Harris	TAP
Charles Shepherd, III	TAP
Kenneth Diebler	TAP
David Perry	TAP
Mark Saulino	TAP
Nishman Huffman	TAP
Ronald Spencer	TAP
Eric Jenkins	TAP
Tim Madison	TAP
John Wolfe	TAP

**THIRD YEAR APPRENTICES**

Jeffrey Gum	TAP
Ronald Gagne	TAP
Daniel Carrigan	TAP
Willie Lewis	TAP
Louis Ashton	TAP
Pilar Martin	TAP
David Pucket	TAP
Garcia Blount	TAP
Gary Moffat	TAP
Howard Smith	WGAP
Edward Heard	WGAP
Victor Crawford	WGAP
Anthony Williams	WGAP

**FOURTH YEAR APPRENTICES**

Donna Bailey	TAP
Sterling Edwards	TAP
Dwayne McCall	TAP
Richard Fedorchak	TAP
Walter Goodale	TAP
Mathem Conway	WGAP
Troy Joyner	WGAP
Everett King	WGAP
Steve Lineweaver	WGAP
John Parker	WGAP
James Phillip	WGAP
Kenneth Williams	WGAP

## *Special Achievement Awards* (cont.)

Frank A. Schlosser  
John H. Schmidt  
Charles C. Schnetzler  
Richard A. Schumacher  
John J. Schwartz  
Jack D. Scudder  
Martin F. Sedlazeck  
Robert L. Segal  
Alfred L. Seivold  
Ellen P. Seufert  
Lawrence C. Shanahan  
Winifred R. Shaner  
Joyce L. Sharpe  
Richard A. Shine  
Betty J. Shirlen  
Russell N. Shoemaker  
Nicholas M. Short  
Allan D. Silver  
Laura E. Simmons  
Marjorie A. Small  
Agnes L. Smith  
David E. Smith  
James C. Smith  
Veronica A. Smith  
Wade O. Smith  
William J. Smith  
John Y. Sos  
Susan M. Sparacino  
Walter Squillari  
Harry L. Stallings  
Charles L. Staugaitis  
Thomas H. Stengle  
Robert G. Stepp  
William N. Stewart  
Alfred K. Stober  
Patricia A. Stone  
G. Richard Stonesifer  
Elmer R. Streeter  
Joseph Stretka  
Robert E. Sutton  
Darla J. Swanson  
Nadine A. Taub  
Jack C. Tebay  
Charles E. Thienel  
Valerie L. Thomas  
Julie A. Thompson  
William G. Thompson  
Leroy F. Thoreson  
Donald F. Tinari  
Joseph L. Tinsley  
Joyce A. Tippet  
John J. Tominovich  
Steven Tompkins  
Bradford Torrain

John O. Tresansky  
Charles E. Trevathan  
Jack J. Triolo  
Paul H. Trusen  
William T. Tumulty, Jr.  
Jan. M. Turkiewicz  
Mona Tycz  
Norman E. Tyson  
Arthur M. Unger  
Angelia A. Valerie  
Jack Van Zant  
Leo J. Veillette  
Charles H. Vermillion  
John R. Volpe  
Henry C. Wagner  
Anthony Walch, Jr.  
Jon Z. Walker  
Upton J. Walters  
Catherine A. Waltersdorff  
Valerie D. Ward  
Traci D. Warnick  
Albert E. Washburn, Jr.  
John S. Watson  
William N. Weston  
Linda L. Wetzel  
Bettie L. White  
Elizabeth B. White  
Larry A. White  
Wiley W. White  
Wesley W. White  
Thomas T. Wilheit, Jr.  
Susan Wilkinson  
Alexander C. Williams  
George Williams  
Kathleen G. Williams  
Joyce L. Wilson  
Elizabeth A. Wilt  
Vickie M. Wilt  
Genevieve E. Wiseman  
John H. Wolsh  
Arthur Wolter  
Bruce E. Woodgate  
William D. Worrall  
Christine D. Yates  
Kenneth M. Young  
Edward J. Zenker  
James E. Zerega  
Helen M. Zug  
Sheila H. Zurvalec

## Tech Briefs

James B. Abshire  
  
William A. Adams  
Victor Reinhardt  
  
George E. Alcorn  
Robert Jones  
  
Hossein Bahiman  
  
James S. Barrowman  
  
John S. J. Benedicto  
Frederick C. Hallberg  
  
Thomas J. Budney  
Robert W. Stone, Jr.  
  
Charles Fleetwood, Jr.  
  
Harold P. Frisch  
  
John A. Hrastar, Sr.  
  
Leonard Kleinberg  
  
William A. Leavy  
  
Sheng Yen Lee  
  
Thomas J. Magner  
  
Lee D. Miller  
Compton J. Tucker, III  
  
Peter Minott  
  
Henry D. Obler  
  
John Paulkovich  
Philip A. Studer  
  
H. K. Ramapriyan  
  
Stephen H. Rice  
  
Allan Sherman  
  
Philip A. Studer  
  
Edwin T. Vaughn  
  
Lo I. Yin

## Three-Quarter Credit Graduate Study Program

James Abshire	Maryland	Electrical Engineering
Carol P. Ashcraft	Maryland	Electrical Engineering
Susan Cantor	American University	Business/Government Relations
Paul E. Cleveland	Maryland	Mechanical Engineering
Edward G. Connell	George Washington	Computer Science
Mark Dombrowski	Catholic	Electrical Engineering
James R. Fischer	Maryland	Computer Science
Edward P. Greene	Maryland	Engineering Communication and Computer Science
Brian L. Hughes	Maryland	Applied Mathematics
Robert Kemmerer	George Washington	Business Administration
Mark L. Labovitz	George Washington	Applied Science
Nancy Laubenthal	Maryland	Computer Science
Ronald Y. Leung	George Washington	Administration of Engineer- ing Data Systems
Jesse L. Maury	Johns Hopkins	Financial Management
Cassandra Nix	George Washington	Computer Science
Walter A. Payne	Howard	Physical Chemistry
Dorothy Schlecht	Johns Hopkins	Electrical Engineering
Marco A. Toral	Maryland	Computer Science
Lloyd A. Trenish	Maryland	Physics
Stephen W. Wharton	Maryland	Computer Science
Kathleen Williams	Maryland	Community Counseling



*Management Operations Director (MOD) Benita A. Sidwell presents Ron Craig, Head, Photographic Section, and Colleen Quinn, Co-op student, with awards from the MOD Safety Committee for their safety performance. Several posters were made of Quinn and are displayed around the Center (see picture at right).*

The Goddard News is published bi-weekly by the Office of Public Affairs, Goddard Space Flight Center, Greenbelt, MD 20771. Deadline for submitted material is two weeks from the date of publication. Tel: (301) 344-5566.

Editor: Charles Recknagel  
Asst. Editor: David Thomas

Your Code 200 Health & Safety Committee

Says:  
DON'T CLOWN AROUND ABOUT SAFETY