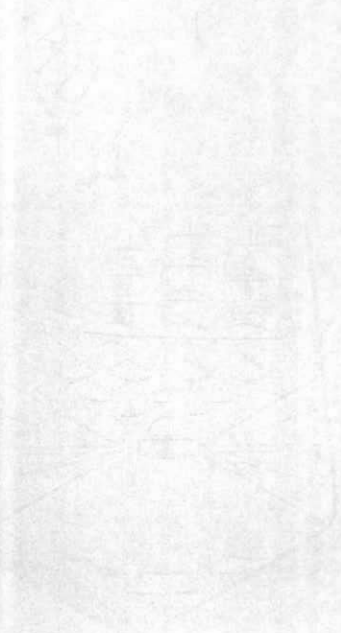


*The
Thirty-first
Annual
Honor
Awards
Program*

*United
States
Department
of
Commerce*

1979

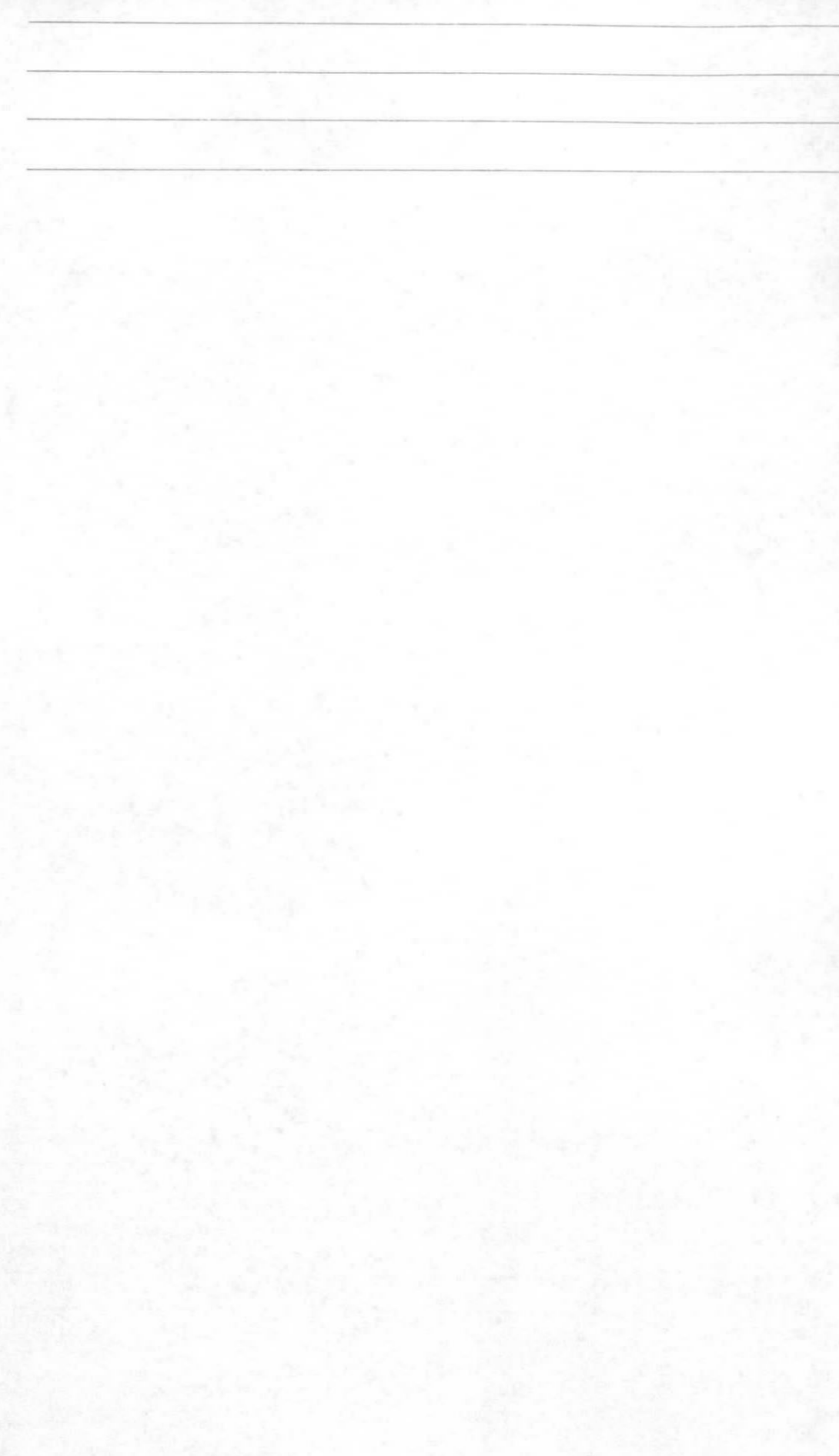


October 30, 1979/3:00 P.M.

Department of Commerce Auditorium

Fourteenth Street
between E Street and
Constitution Avenue, N.W.
Washington, D.C.

MUSIC	U.S. Merchant Marine Academy Regimental Band
INTRODUCTION	Clifford J. Parker <i>Acting Director of Personnel</i>
PRESENTATION OF COLORS	U.S. Merchant Marine Academy Color Guard
NATIONAL ANTHEM	Band
ADDRESS	Juanita M. Kreps <i>Secretary of Commerce</i>
ANNOUNCEMENT OF AWARDS	Elsa A. Porter <i>Assistant Secretary for Administration</i>
PRESENTATION OF SILVER MEDALS	Secretary of Commerce <i>Assisted by Departmental Officials</i>
MUSICAL SELECTION	Band
PRESENTATION OF GOLD MEDALS	Secretary of Commerce <i>Assisted by Departmental Officials</i>
CLOSING REMARKS	Assistant Secretary for Administration



Gold Medal

Award

Winners





Roger H. Bugenhagen

*Chief, Economic Surveys Division
Bureau of the Census*

The need for a Standard Statistical Establishment List (SSEL) has been recommended by many advisory groups over the past 30 years. Mr. Bugenhagen has shown exceptional leadership and technical competence in resolving the many conceptual and operational problems involved in developing such a computer system. Working with the Office of Management and Budget-led interagency task force, he was helpful in suggesting solutions to many operational and legal problems. At the same time, his leadership and guidance resulted in a number of technical working papers describing all phases of the directory. He demonstrated the importance of the directory to the Federal Statistical System and to the policymakers by conducting an urgently needed survey for the Treasury Department regarding the use of tax credits with a new-jobs program. The results of the completed survey were sent to Treasury within 90 days from the date that the survey was started. Mr. Bugenhagen has consistently maintained the highest standards of professional excellence and contributed significantly to the timeliness and the accuracy of the Federal Government's economic statistics program.



Arthur W. Horowitz

*Assistant Chief, Industry Division
Bureau of the Census*

The development and collection of new statistical series relating to energy were the first steps in dealing with the complex energy issues. Mr. Horowitz demonstrated outstanding initiative, resourcefulness, and leadership in developing new important statistical series in such fields as the consumption of fuels in manufacturing, the expenditure associated with oil and gas production, the ability of manufacturers to substitute one fuel for another, and the use of energy products as feed stocks in various industries. He resolved the many conceptual difficulties in the collection of these data by developing ingenious new collection techniques and statistical methodologies. As a result of his outstanding management of the energy statistical program, important new information was made available to the Congress and to the executive agencies during their consideration of tax alternatives and plans for emergency shortages. Mr. Horowitz has maintained the highest standards of professional excellence and contributed significantly to the effectiveness of the Federal Government's statistical program and to the usefulness of economic statistics for both government and business.



Jacob S. Siegel

*Statistician-Demographer
Bureau of the Census*

Mr. Siegel has made outstanding and invaluable contributions to the measurement of census undercounts through the creative uses of demographic analysis. The problem of the census undercount is one of the Bureau's main current concerns and has almost become a national issue because of the many Federal programs affected by census undercounts. Combining the skills and ingenuity in the use of different demographic techniques, he has developed ways of measuring the undercount and its implications at the national, state, and local levels and for various subgroups of the population. He has authored two reports, "Coverage of the Population in the 1970 Census and Some Implications for Public Programs" and "Developmental Estimates of the Coverage of the Population of States in 1970 Census: Demographic Analysis" which are regarded as the definitive analysis in the area of census population undercount measurements. He is now using his unique talents to address the problem of measuring the undercount for the Spanish population and other minority groups and also the problem of measuring the number of undocumented aliens in the United States.



J. Mishell George

*Acting Deputy Director
Bureau of East-West Trade
Industry and Trade Administration*

For over 30 years, Mr. George's wide knowledge, innovative approach, managerial excellence and diligence have resulted in notable contributions to the Department's international trade policies and programs both in trade controls and trade expansion efforts. Specifically, his policymaking and international negotiating roles have enhanced national security through export control programs while protecting related U.S. business interests. He has occupied a pivotal position in the Bureau of East-West Trade's 7-year evolution into a cohesive and influential organization. In particular, his exceptional contributions to the development of joint commissions into effective instruments of commercial diplomacy and enlightened and effective management leadership at both Office and Bureau levels have been key elements in the growth of Industry and Trade Administration's excellent reputation in East-West trade. Thousands of U.S. firms have benefited from his wise, informed counsel and his efforts to better our economic relations with communist and non-communist countries, to modernize promotional techniques, and to improve working conditions for Americans overseas.



Frederick L. Montgomery

*Director, Office of International Trade Policy
Bureau of International Economic Policy
and Research
Industry and Trade Administration*

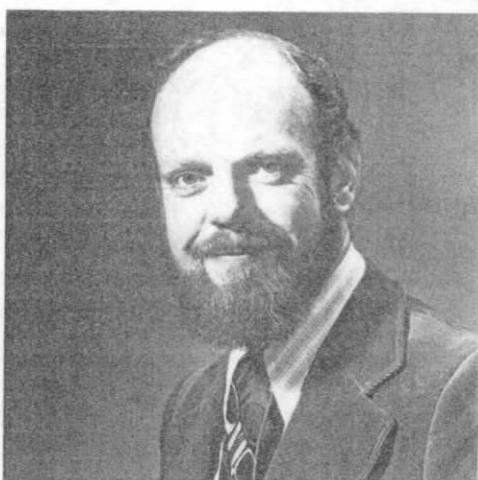
Mr. Montgomery has made outstanding contributions to the formulation and implementation of U.S. trade policy, culminating in 1978 when he spearheaded the Department's full and effective participation in the Administration's effort resulting in the successful conclusion of the Multilateral Trade Negotiations. He has been extremely effective in developing and advocating positions on important trade policy questions within Commerce and has been very successful in obtaining interagency acceptance of the Department's policy views. He was equally effective in organizing and conducting the formal consultative process through which the views of U.S. industry were obtained and taken into full account in the negotiating process. Mr. Montgomery's outstanding leadership, managerial skills, and professional competence were important factors in enabling Commerce to play a key role in achieving a major Administration goal—the successful conclusion of the Multilateral Trade Negotiations.



Anthony J. Ossi

*Director, Office of Management and Organization
Maritime Administration*

Mr. Ossi has made major contributions to the administrative programs of the Department of Commerce and to the Department's efforts to meet the needs of the U.S. Merchant Marine. His contributions as Director of the Office of Management and Organization have far exceeded those normally expected of a person in his grade and position. Mr. Ossi has handled numerous complex and sensitive assignments with wisdom, ingenuity, tenacity, and tact. These assignments include managing the Maritime Administration's (MarAd) personnel position ceiling program, leading its efforts to reduce the burden on private industry in making reports to the Federal Government, and instituting a formal counseling program for midshipmen at the U.S. Merchant Marine Academy. Mr. Ossi carried out all of these assignments and numerous others with full knowledge of the range of MarAd functions and activities. This knowledge, together with personal characteristics of the highest caliber, enabled Mr. Ossi to perform consistently in an outstanding manner.



Martin G. Broadhurst

*Supervisory Physicist
National Measurement Laboratory
National Bureau of Standards*

Dr. Broadhurst is recognized for his research in the Polymer Science and Standards Division concerned with the development of standards, data, methods of measurement and concepts of the electrical properties of polymers in order to aid in their processing, design, and use in solving national problems. His achievements can be divided into four areas: thermal properties and structure of linear molecules, piezo- and pyroelectric properties of polar polymers, relaxations, resulting from localized structural rearrangements in crystals of linear molecules, and advances in test methods for accurate measurement of dielectric properties of polymers. In each of these areas, he has understood the important scientific questions and underlying technological problems and has addressed the questions with thoroughness and insight. Consequently, the results obtained are useful in solving the technological problems and advancing the science. His work in all these areas has attracted widespread attention, and he is frequently invited to lecture at domestic and international meetings. Furthermore, he is visited by industrial and academic scientists interested in keeping abreast of his research.



Randall S. Caswell

*Chief, Nuclear Radiation Division
National Measurement Laboratory
National Bureau of Standards*

Dr. Caswell has made outstanding contributions in the field of energy deposition by fast neutrons. He has played a key role in developing methods and computer programs for detailed studies of energy deposition by neutrons in important types of materials, including tissue-equivalent materials. Such studies are central to the increasing use of high energy neutrons in the radiation treatment of cancer patients, to the understanding of radiation damage to nuclear reactor facilities, and in the field of radiation health and safety. Dr. Caswell has been active in communicating the results of radiological research to the biomedical community and, through his contacts with national and international organizations and standards laboratories, has contributed to the effectiveness of Bureau programs. These accomplishments and others have resulted in worldwide recognition of Dr. Caswell as an expert in his field and have led to numerous memberships and leadership positions of important standards committees, both national and international.



Richard D. Deslattes

*Senior Research Fellow
National Measurement Laboratory
National Bureau of Standards*

Dr. Deslattes is recognized for his outstanding leadership, scientific insights and technical skill in the fields of laser technology and x-ray and gamma-ray interferometry. He has developed greatly improved methods for stabilizing the frequency of lasers. This work has had wide technological impact and has furnished the international community, working through the Advisory Committee on the Definition of the Metre, with a basis for replacing the present standard of length. His pioneering work in the development of a scanning x-ray interferometer has made possible high-accuracy measurement of interatomic distances in solids and the establishment of an accurate x-ray wavelength scale. This work was subsequently extended to the gamma-ray region and achieved an improvement by a factor of 40 over previously available techniques. These advances are being taken up by scientists all over the world, leading to rapid advances in deeper understanding of the inner structure of the atoms. Dr. Deslattes' broad interests and expertise make him a valuable member of the Bureau's Research Advisory Committee, and his laboratory and its achievements enjoy an international reputation of great distinction.



George G. Harman, Jr.

*Research Physicist
National Measurement Laboratory
National Bureau of Standards*

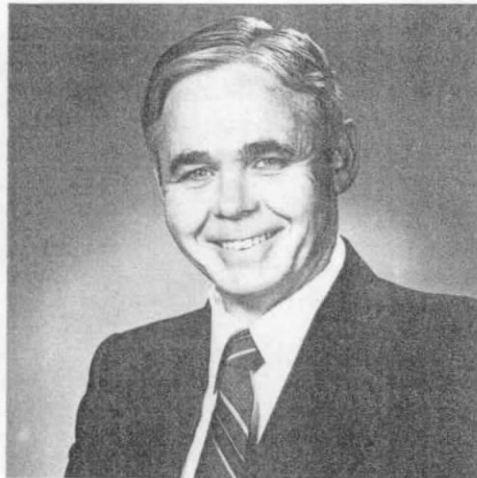
Mr. Harman is recognized for his outstanding technological contributions to the field of interconnection bonding of semiconductor microelectronic devices. Because of his developments in measurement methodology, defective wire bonds are no longer a major cause of the failure of transistors and integrated circuits which are the essence of nearly every electronic system used in major civilian, industrial, and military activities. His technical work, covering both destructive and non-destructive bond pull tests, his acoustic emission measurements, and his improvements to measurement and production instrumentation have been widely adopted and acclaimed by industry and government. Mr. Harman's developments in measurement methodology have decreased this type of failure, with savings of millions of dollars by such industries as computers and aerospace systems. He is recognized both nationally and internationally as an expert in this field, and his services are sought by both industry and government.



Morris Krauss

*Quantum Chemistry Group Leader
National Measurement Laboratory
National Bureau of Standards*

Dr. Krauss has made outstanding contributions to the field of quantum chemistry. He was the first to develop the Gaussian Basis set technique for calculating the properties of polyatomic molecules. This technique is widely recognized as the only practical method for accurately computing molecular properties. He has made significant contributions to the atomic and molecular theories which are used to determine the feasibility, efficiency, and scalability of new potential laser systems. This work has had significant impact on the direction of the high power laser program in the United States. He has also applied these theories to many important problems in atmospheric chemistry. He has recently developed a new and practical theory for determining long range interactions between atoms and molecules. This theory will permit quantum chemistry to be applied to many new areas of molecular physics. His accomplishments and world-wide recognition have made the Bureau a center of leadership in quantum chemistry.



Philip D. LaFleur*

*Director, Center for Analytical Chemistry
National Measurement Laboratory
National Bureau of Standards*

Dr. LaFleur is recognized for his outstanding contributions to the development of Standard Reference Materials (SRM) for use in trace element analysis of biological, botanical, and other naturally occurring materials and to the field of analytical chemistry. Under Dr. LaFleur's leadership, the Bureau has developed over 20 different SRM's for use in assuring the accuracy of trace element analyses. These SRM's are used extensively by researchers throughout the world and by many Federal agencies in a variety of health, environmental, nutritional, agricultural, and energy-related applications.

* *presently in private sector*



William L. McLaughlin

*Physicist
National Measurement Laboratory
National Bureau of Standards*

Mr. McLaughlin is recognized for his outstanding role in responding to the measurement needs of the radiation processing industries in this country and in many other countries in the world. He has solely carried out radiation chemistry studies on organic dye materials which have resulted in the development of practical transfer dosimeters for quality control in radiation processing of materials. Primarily because of his work, the radiation processing industry has a stable sensor with a linear and accurate response to high intensity radiation sources, essential in the development of this industry. His efforts have helped to establish strong ties between the Department of Commerce and an important emerging industry which will contribute to energy saving, pollution abatement, and safer and more reliable consumer and medical products.



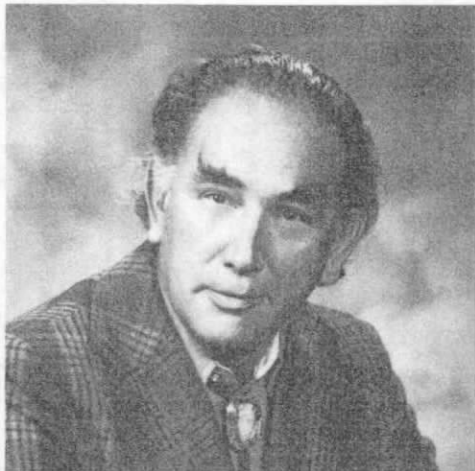
James F. Schooley

Supervisory Physicist

Robert J. Soulen, Jr.

*Physicist
National Measurement Laboratory
National Bureau of Standards*

Drs. Schooley and Soulen are recognized for outstanding research and development leading to a set of superconductive thermometric fixed point devices providing 10 conveniently spaced accurate temperature references in the difficult temperature range near absolute zero. None of the 12 primary fixed points on the International Practical Temperature Scale falls in this range. These devices have been incorporated into two packages of five each, which are being offered as standard reference materials. The first set has already gained wide acceptance with over 120 units in use in standards laboratories throughout the world. In 1976 the Advisory Committee for Thermometry, International Committee for Weights and Measures, published a new provisional temperature scale for the region 0.5 K to 30 K which is based in large part upon this work. The work of Drs. Schooley and Soulen is expected to play an important part in future revisions of the International Practical Temperature Scale.



Bradford R. Bean

*Chief, Boundary Layer Dynamics Group
Environmental Research Laboratories
National Oceanic and Atmospheric
Administration
Boulder, Colorado*

Dr. Bean is a recognized authority in the field of atmospheric refraction of radio waves. His climatology of the radio refractive index is used by communications engineers in designing radio circuits throughout the world. His book, co-authored with Evan Dutton, is now considered a standard text. Dr. Bean developed techniques for the precise measurement of the turbulent characteristics of atmospheric water vapor including evaporation from lakes and the open sea. He was the first to measure sea surface evaporation from an aircraft. He directed the evolution of airborne turbulence measurement techniques which the scientific community has adopted as standard. He visited other countries to assist them in establishing similar programs. These measurements have provided new and fundamental insight into problems of air-sea interaction, evapotranspiration from crops and air pollution. His measurements have been basic to the conclusions of many national and international programs from 1969 to the present.



Robert E. Beck

*Director, Service Operations Office
Office of Oceanic and Atmospheric
Services
National Oceanic and Atmospheric
Administration*

Mr. Beck has made major contributions to the management of programs which significantly improve the capability of the Department of Commerce and the National Oceanic and Atmospheric Administration (NOAA) to provide oceanic and meteorological services. He developed and managed a new flash flood program which will reduce loss of lives and property. Mr. Beck was the Program Manager for the NOAA SEASAT satellite effort which will provide required knowledge to improve marine weather and oceanic services. He has led the Department and NOAA efforts to maintain national, state, and local disaster preparedness planning during a critical period. With minimal resources, Mr. Beck has maintained essential services of the Office of the Federal Coordinator for Meteorological Services and Supporting Research. In all of these efforts he has demonstrated superior management capabilities.



Danny L. Fread

*Research Hydrologist
National Weather Service
National Oceanic and Atmospheric
Administration*

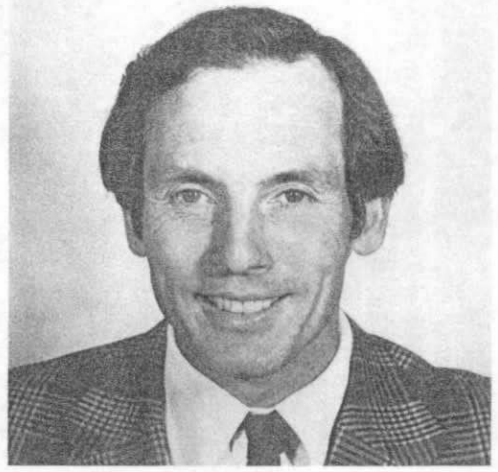
Dr. Fread has made significant pioneering contributions to the sciences of hydrology and hydrologic engineering resulting in the recent development and implementation of new techniques for modeling and predicting river flows with greater accuracy and efficiency. Most significant are the models developed by Dr. Fread for predicting flood waves. He was the first to develop the techniques for obtaining stable numerical solutions to the set of one-dimensional mathematical equations defining the movement of water in complex river systems when variable time and space steps are applied. This work led to the development by Dr. Fread of the National Weather Service's Operational Dynamic Wave Model and subsequently a second model, based on an adaptation of the first model, the Dam-Break Flood Forecasting Model. These two models have revolutionized the methods employed operationally in this and other countries to predict the flow of water in rivers and to assess the river stages accompanying flood waves, including those resulting from potential dam breaches.



George C. Holzworth

*Chief, Geophysical Research Branch
Environmental Research Laboratories
National Oceanic and Atmospheric
Administration
Research Triangle Park, North Carolina*

Mr. Holzworth has achieved scientific research of outstanding caliber, recognized by the world environmental community. His research includes the development of techniques for assessing air pollution potential throughout the United States, and his scientific papers have stressed the practical approach of these techniques for use in the evaluation of environment problems. Because the results of his work are practical, they have been adopted and applied by the world meteorological community. Mr. Holzworth's work is particularly timely when sound environmental evaluations are required to meet the increasing energy needs of the Nation. His papers on air pollution climatology have been translated into Russian, German, Japanese, as well as other languages. Mr. Holzworth's most recent paper "A Climatology of the Estimated Effective Chimney Heights throughout the United States" is also recognized by this award. The paper is of outstanding quality and will be used extensively in the siting and evaluation of future fossil fueled electric power generating plants.



Abraham H. Oort

*Research Meteorologist
Environmental Research Laboratories
National Oceanic and Atmospheric
Administration
Princeton, New Jersey*

Dr. Oort has made major and unique contributions to the understanding of the energetics and heat balance of the earth's climate system. The studies of the heat balance of the globe have had a major impact on climate dynamics research, particularly in the validation of climate models. These definitive studies are widely referenced in the scientific literature and in planning documents for research in climate. Estimates of Dr. Oort (and Professor Vonder Haar) of the poleward transport of heat by ocean currents by an entirely original method are considered to be the best available and illustrate the great importance of the ocean in transferring heat from the tropics to middle latitudes. Other published works of his have served as a basis of proposals for field programs to measure directly poleward heat transport by ocean currents in a large-scale international field experiment.



George C. Reid

*Deputy Director, Aeronomy Laboratory
Environmental Research Laboratories
National Oceanic and Atmospheric
Administration
Boulder, Colorado*

Dr. Reid is recognized for his outstanding contributions to aeronomy. He is internationally recognized as a leader in the field through his diverse and fundamental scientific contributions and his major contributions to national and international scientific planning groups. He has one of the broadest backgrounds of any scientist in aeronomy. His significant research contributions encompass solar-terrestrial relations, atmospheric ion chemistry, plasma instabilities, and noctilucant cloud formation mechanisms. He is particularly distinguished in his service to the broad scientific community. He served very ably as Editor of the *Journal Geophysical Research* (blue) from 1973-1977. He is chairperson of the Committee on Solar Terrestrial Research, Panel on the Middle Atmospheric (MAP); a member of the American Meteorological Society Council, the Advisory Board for the Max-Planck Institute for Aeronomy (Germany), the Committee on Space Physics (Space Science Board), and the Journal Review Board of the American Geophysical Union. His selection to many national and international committees reflect his recognition as a leading scientist and his effectiveness in working group leadership and scientific communication.



Edward Rich, Jr.

*Electronics Technician
National Environmental Satellite Service
National Oceanic and Atmospheric
Administration*

On the ground, direct readout of environmental satellite data is immensely important to the meteorological services of developing countries. Its importance can be translated into agricultural and economic benefits as well as protection of life and property. In late 1976 a project was begun by the United States to furnish satellite Automatic Picture Transmission and Weather Facsimile receiving stations to over 20 developing countries as part of the Voluntary Assistance Program. Mr. Rich, as National Environmental Satellite Service direct readout expert, was available to assemble the stations and install them overseas. It was estimated the effort would require \$2 million and 4 years. Through superb personal dedication, technical ingenuity, and skill in human relationships, he was able to complete that responsibility in one-quarter to one-half the estimated cost and time. In so doing, he made a remarkable and major contribution to the ability of lesser developed nations to receive and benefit from the weather data available from U.S. spacecraft.



John E. Kibler

Weather Service Specialist

Lon R. Burks

Weather Service Specialist

Joe Bob Freeman

Electronics Technician

Francis L. Cannon

Official in Charge

Lewis M. Croom

Weather Service Specialist

Merlin J. Van Dunk

Weather Service Specialist

Jerry M. Eckhart

*Weather Service Specialist
National Weather Service
National Oceanic and Atmospheric
Administration
Wichita Falls, Texas*

At 5:08 p.m., April 10, 1979, the Wichita Falls Weather Service Office (WSO) issued a tornado warning for Wichita County, Texas, including the town of Wichita Falls, population 82,000. Fifty-two minutes later a giant tornado moved into the southwestern part of town and plowed a path of destruction a mile wide along its southern perimeter where 16,000 people lived and worked. When the tornado passed, 45 people had been killed and 210 million dollars of property had been destroyed. Because of the early warning through radio, police, and civil defense sirens,

most had sought shelter and saved their own lives. The editor of Wichita Falls Record News wrote on April 13: "Forecasters in Wichita Falls—save lives with each storm and citizens of North Texas and Southern Oklahoma should appreciate their efforts. It was a job done well, with dispatch and professionalism." Through years of hard, dedicated work in disaster preparedness and warnings, the staff of WSO Wichita Falls has made a major contribution to their key mission: to save lives when disasters threaten.



Norton Ansher

*Director, Patent Examining Group 230
Patent and Trademark Office*

Mr. Ansher is recognized for his uniquely outstanding leadership and accomplishment in the administration of the major program of the Patent and Trademark Office, the examination of patent applications, and the issuance of valid patents within a reasonable period of time. His efforts and administrative ability in the management of the approximately 88 professional and clerical people under his direction have produced results of major significance to the Patent and Trademark Office and the Department. The performance of the patent examining groups have established an unparalleled record of productivity and cost effective efficiency. Mr. Ansher was given significant responsibility both for the training of the professional patent examining staff on the implementation of the Patent Cooperation Treaty and the training of first-level professional supervisors in the Patent Examining Corps.



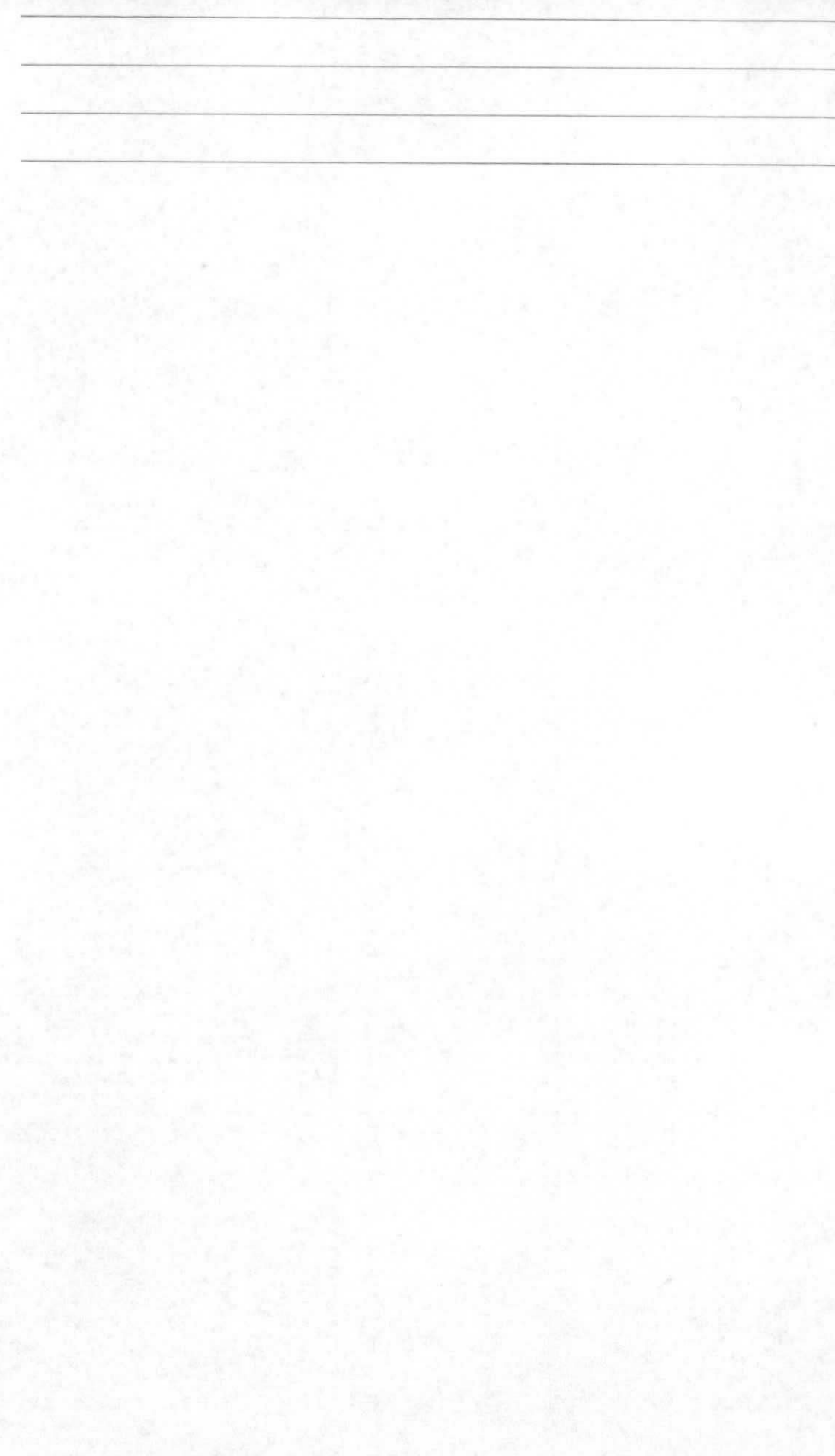
Don W. LeCrone

Resource Planning Specialist

Michael J. Lynch

*Resource Planning Officer
Office of the Commissioner
Patent and Trademark Office*

Messrs. LeCrone and Lynch are recognized for their outstanding leadership in designing, developing, and planning the implementation of major new systems at the Patent and Trademark Office, using automatic data processing equipment. Their most significant accomplishments relate to a new system for keeping track of the status and location of the nearly 200,000 pending patent applications. This system, known as the PALM III (Patent Application Locator and Monitoring, 3rd generation) system, uses state-of-the-art bar code technology. It employs 275 computer terminals. The system will make it much easier to obtain information about patent applications and will perform many record-keeping and typing tasks previously performed manually. As a result Patent and Trademark Office operations will be more efficient and effective.



Silver Medal

Award

Winners



Murray Feshbach

*Supervisory Economist
Foreign Demographic Analysis Division
Bureau of the Census*

Dr. Feshbach has made major contributions to the understanding of the changing structure of the population and labor force of the Soviet Union and of the economic, social, and political implications of the changes. He has published authoritative works on these subjects, has won an international reputation for his scholarship, and has frequently been called upon to provide briefings to agencies and officials of the Government, to Members of Congress, and to other groups. His analyses and advice in the fields of his expertise, based on his comprehensive grasp of all relevant data and information, have aided in the formulation of national policy toward the Soviet Union and have advanced the frontiers of research. His work has enhanced the prestige of the Department and of Government scholarship.

Joseph V. Marean

*Assistant Division Chief for Maintenance
and Support
Engineering Division
Bureau of the Census*

Through his outstanding technical leadership and innovation in the field of computer technology, Mr. Marean has made a distinguished contribution to electronic data processing at the Bureau of the Census. As Assistant Division Chief for Maintenance and Support, Engineering Division, the skills and talents which Mr. Marean has brought to the field of computer maintenance have resulted in significant improvements in computer maintenance technology and provided an outstanding level of efficiency and monetary savings to the Federal Government. Throughout his career, Mr. Marean's continued exemplary performance has served to strengthen the Department's leadership in the field of electronic data processing technology.

Agnes A. Roe

*Administrative Operations Assistant
Housing Division
Bureau of the Census*

Mrs. Roe is recognized for her outstanding administrative skills. Her thorough knowledge of the budget procedure, her meticulous attention to detail, and her continuous monitoring of the Division's cost performance have enabled the Housing Division to complete its mission well within the prescribed fiscal allotment. She has taken charge of the administrative responsibilities for the Housing Advisory Committee and during its inception was instrumental in the successful completion of the first three meetings in a less-than 3 month period. Her talent, flexibility, and good judgment have been vital elements in the Housing Division's accomplishments throughout the past 2 decades.

William H. Cavitt

*Director
Import Policy Division*

William K. Krist

*Director, Trade Negotiations and
Agreements Division
Bureau of International Economic Policy
and Research
Industry and Trade Administration*

The team of Messrs. Cavitt and Krist is recognized for demonstrating outstanding skill in the execution of Commerce policy in support of the successful conclusion of the Multilateral Trade Negotiations. Mr. Cavitt's responsibility included the negotiation of U.S. barriers, while Mr. Krist was responsible for the negotiation of foreign tariff and nontariff barriers. Together they provided a strong and effective Commerce contribution to the advancement of the U.S. Trade Agreements Program.

Gerald P. Francis

*Head, Department of Engineering
United States Merchant Marine Academy
Maritime Administration
Kings Point, New York*

Captain Francis is recognized for outstanding initiative, technical expertise, and managerial skill in developing and administering the Marine Diesel Engineering continuing education program at the United States Merchant Marine Academy. This program supports the Maritime Administration's efforts to encourage and promote the use of diesel propulsion in United States flag merchant vessels.

Joseph A. Ryan, Jr.

*Supervisory Trade Specialist
Office of Market Development
Maritime Administration*

Mr. Ryan is recognized for his notable accomplishments in directing and managing interagency programs with the U.S. Government, as well as with foreign government representatives and U.S. manufacturers. He aroused a wide, effective, cooperative response from these groups which led to an amendment to the Federal Procurement Regulations. This amendment provided for the inclusion of cargo preference requirements in all government contracts under which any overseas shipments may occur. These policy changes will benefit the Nation's maritime policy and will help increase the use of U.S.-flag ships by U.S. Government agencies, foreign governments, and commercial firms.

Ronald K. Kiss

*Director, Office of Ship Construction
Maritime Administration*

Mr. Kiss is recognized for significant technical, managerial, and promotional achievements in the field of ship design and construction. Specific achievements in excess of normal standards include preparation of the Mobilization Ship and the Schoolship designs; a Small Waterplane Area Twin Hull (SWATH) design; planning and execution of the Mobilization Ship Symposium and the Shipyard Manpower Training Conference; preparation of the Domestic Fleet Pollution Study; preparation of a National Oceanic and Atmospheric Administration Ship procurement package, including award and construction management; and development of the Slow Speed Diesel-Buy American concept and documentation.

Edwin B. Schimler

*Chief, Division of Foreign Costs
Office of Shipbuilding Costs
Maritime Administration*

Mr. Schimler is recognized for significant contributions to the U.S. shipbuilding industry. His incisive and convincing reports have served as forerunners of extensive Maritime efforts to revitalize the U.S. bulk shipping industry through improved shipyard productivity. Mr. Schimler's work has helped secure actual and potential construction projects for U.S. shipbuilders which would have gone to foreign competitors. His perceptive analysis and clear presentations have aided other U.S. Government Departments and Agencies involving complex international cost and financial shipbuilding matters.

Irwin A. Benjamin

*Chief, Fire Safety Engineering Division
National Engineering Laboratory
National Bureau of Standards*

Mr. Benjamin is recognized for his outstanding achievements in fire technology which, over the past 10 years, have contributed significantly to reducing the loss of life and property caused by unwanted fires. Among his major contributions is his development of a fire safety evaluation system for new and existing health care facilities. The application of his system by the Massachusetts General Hospital in Boston, in complying with the Life Safety Code, has resulted in savings of between \$7 and \$9 million, while providing the level of safety required. His successful efforts in providing fire safety for children in new and existing day-care centers, in effecting the adoption of test methods controlling fire hazards of materials, and in developing a test method for evaluating the flame spread of flooring materials in corridors earned him national and international recognition.

Harold Berger

*Chief, Office of Nondestructive Evaluation
National Measurement Laboratory
National Bureau of Standards*

Mr. Berger is recognized for his leadership and expertise in establishing the Bureau's Nondestructive Evaluation (NDE) Program to a position of national prominence. His performance as manager of this major Program has been outstanding, and his efforts have helped establish NDE as one of the highest priority and technically sound programs. Under his leadership, the Program is producing results of significant importance to national needs in safety, transportation, industrial process control, health, and other needs. The National Bureau of Standards' reputation, along with that of the Department of Commerce, in this field is secure; and this Program will have more impact in meeting national needs in the years to come.

Martin G. Buehler

*Supervisory Electronic Engineer
National Engineering Laboratory
National Bureau of Standards*

Dr. Buehler is recognized for his significant contributions in improving the reliability of integrated circuits, those elements intrinsic to the operation of all electronics systems such as computers, industrial controls, transportation systems, electrical power distribution systems, and health care delivery systems. Because of his work, test patterns now exist that can characterize selected properties of silicon, the basic material on which the major fraction of integrated circuits are made. Dr. Buehler designed nearly a dozen of these novel test structures. He also conceived a modular concept for the test structures that minimizes errors from parasitic and other unwanted elements. His work has been so successful that his test structures are widely used by Government, industry, and universities in process control and quality assurance.

W. Murray Bullis

*Chief, Electron Devices Division
National Engineering Laboratory
National Bureau of Standards*

Dr. Bullis is recognized for his outstanding technical leadership of a multiyear, multi-million dollar program for generating innovative measurement technology required for integrated circuits and for the effective dissemination of the program's results to the semiconductor electronics industry, the academic community, and Federal agencies. This program, funded by the Defense Advanced Research Projects Agency, has been recognized by Government and industrial experts as a unique contribution to the development of good measurement practice in the fabrication of microelectronic circuits critical to almost every application of electronics in major civilian, Government, and industrial activities.

Robert J. Carpenter

*Electronic Engineer
Institute for Computer Sciences and
Technology
National Bureau of Standards*

Mr. Carpenter has made an outstanding contribution in conceiving, designing, and implementing an innovative local networking system, an entirely new type of high performance, low cost, local area computer network. This accomplishment represents a major step forward in the state-of-the-art for local computer networking and will result in more productive use of personnel, computers, and computer terminals within the Department, through the entire Federal Government, and in many private sector organizations. Mr. Carpenter, through this achievement, has become recognized nationally and internationally for leadership in the development and application of this new and important technology.

Robert D. Dikkers

*Group Leader, Solar Technology
National Engineering Laboratory
National Bureau of Standards*

Mr. Dikkers is recognized for his superior managerial skills in the development of national performance criteria and standards for solar heating and cooling systems. In carrying out mandated Bureau responsibilities specified in the Solar Heating and Cooling Demonstration Act of 1974, he has worked effectively with standards-writing organizations, industry, consumers, professional societies, and building officials to develop performance criteria and standards which are being used by the Department of Energy, Housing and Urban Development, and various States to evaluate solar energy systems under major national demonstration programs, mortgage insurance programs, and tax incentive programs. Mr. Dikkers' significant contributions have helped stimulate the development of a viable solar heating and cooling industry in the United States.

Jeffrey T. Fong

*Physicist
National Engineering Laboratory
National Bureau of Standards*

Dr. Fong is recognized for his outstanding leadership and distinguished contributions in mathematical modeling and analysis for materials science and engineering. His innovative and highly regarded technical work represents an important link between the microstructure properties of materials and large scale engineering assessment of structures. His strong leadership role at both the national and international levels in professional society activities has resulted in an extraordinarily successful effort to communicate the results of his work, as well as that of others, to private industry and the technical community at large. Dr. Fong's noteworthy accomplishments have brought major recognition to the National Bureau of Standards and the Department of Commerce.

Frederick H. Mies

*Research Chemist
National Measurement Laboratory
National Bureau of Standards*

Dr. Mies is recognized for his theoretical work in scattering theory and continuum spectroscopy. His work has advanced the development of high power lasers and the understanding of the chemistry and radiation from disturbed atmospheres and the active media of lasers. He developed the theory of gain for excimer laser systems. His work in non-adiabatic scattering theory and quantum defect theory has laid the foundations for accurate calculation of spectroscopic observables that are not readily accessible to experiment. His incisive analyses of many problems have contributed to the scientific reputation of theoretical chemistry at the National Bureau of Standards.

Joseph Reader

*Physicist
National Measurement Laboratory
National Bureau of Standards*

Dr. Reader is recognized for his outstanding and pioneering research in vacuum-ultraviolet and soft x-ray spectroscopy of atomic ions, especially his contributions of data on very highly ionized atoms important for development of magnetic-confinement thermonuclear reactors. He has excited, measured, and identified many spectral lines of atomic ions that occur as impurities in thermonuclear fusion plasmas; reliable data on these spectra are vital since such ions are responsible for destructive cooling of the plasmas by radiation. Dr. Reader's most recent research with plasmas produced by powerful lasers yielded basic data for tungsten ions with as many as 45 electrons stripped off, a record for optical observations. His data also greatly contribute to determine important relativistic effects on the fundamental atomic structures.

Richard P. Reed

*Acting Chief, Fracture and Deformation
Division
National Measurement Laboratory
National Bureau of Standards*

Dr. Reed is recognized for his research in the fields of mechanical properties and fracture mechanics of metals, especially at low temperature. He is also known for his management and implementation of research of the Fracture and Deformation Division in mechanical properties and fracture mechanics of metals and fracture and deformation of composites and ceramics. His role has been significant in program formulation and management for the National Bureau of Standards (NBS) and other Government agencies which serve to promote NBS. His leadership role is influential in organizing and focusing low temperature materials research nationally and internationally. His research and management of research on applications of elastic-plastic fracture mechanics are especially recognized, particularly the studies of assessment of alternative allowable defect sizes for the Alaska oil and gas pipeline projects.

Howard E. Sorrows

*Technology Advisor to the Director
Office of the Director
National Bureau of Standards*

Dr. Sorrows is recognized for his leadership in the planning and coordination of Bureau programs in science and technology through the establishment of a central program office and for his outstanding contributions in the development of U.S. cooperative technology programs. Under Dr. Sorrows' direction, the Bureau has developed uniform techniques to evaluate its efforts and match its programs to national opportunities in science and technology. These efforts have insured a strong foundation for program descriptions and budget documents. His activities have also enabled the Department to analyze opportunities for possible cooperative technologies with U.S. industry and establish liaison with numerous international cooperative technology organizations.

John C. Stephenson

*Research Chemist
National Measurement Laboratory
National Bureau of Standards*

Dr. Stephenson is recognized for his exceptional scientific skill in using high power lasers and laser techniques to explain multiphoton processes in chemistry. His pioneering measurements of the complete energy distribution of products along with the first measurements of absolute rates of multiphoton dissociation have provided the experimental data necessary to model these laser-induced processes. Dr. Stephenson's contributions extend to the development of useful theoretical models that provide insight on the fundamental multiphoton processes. His creative accomplishments have established the Bureau as one of the major scientific institutions in the field of laser chemistry.

Russell D. Young

*Supervisory Physicist
National Engineering Laboratory
National Bureau of Standards*

Dr. Young is recognized for his outstanding managerial skills in providing technical and organizational leadership to the Bureau's program in micrometrology. Under Dr. Young's leadership, services in dimensional metrology were expanded from the measurement of objects that were several millimeters in extent to include measurements in the size range below 1 micrometer. These expanded services resulted from Dr. Young's ability to foresee the need of the integrated circuit industry, the medical community, and certain regulatory agencies to measure precisely objects smaller than was the accepted norm. The research performed under Dr. Young's supervision enhanced the development of a micropositioning stage for measuring minute dimensions with optical or electron microscopes and won a 1978 industrial award as one of the most significant new technical products of the year.

John J. Audet, Jr.

*Physical Scientist
Environmental Data and Information
Service
National Oceanic and Atmospheric
Administration*

Mr. Audet is cited for his data management contributions to the National Oceanic and Atmospheric Administration's Outer Continental Shelf Environmental Assessment Program. His efforts have led to the development of a digital data base that describes the ecological systems that make up the Alaskan Outer Continental Shelf environments, an area of potential major oil and gas deposits, critically needed to supply the Nation's energy needs. The data base describes energy flow relationships through trophic levels from primary producers through climax predators to decomposers, as well as the chemical, physical, and geological environments. The information synthesized from the data base will help decisionmakers in the management of these resources with minimal risk to the environment.

Clarence G. Beale, Jr.

*Mathematician
Office of Administration
National Oceanic and Atmospheric
Administration*

Under his leadership and technical guidance, Mr. Beale's staff developed a prototype interactive computer graphics and supporting data base management system to form the basis for automated Instrument Approach Procedure (IAP) chart maintenance and production for the National Ocean Survey. Mr. Beale's system demonstrates the feasibility of a cartographer constructing a completed Instrument Approach Procedure chart from data in a generalized data base and using a specially developed cartographic prompting language. The National Oceanic and Atmospheric Administration is using this data base system to control the production flow of Instrument Approach Procedure charts and to produce the indices for bound chart volumes. This data base management system also has been used beneficially for chart inventory control and data verification by the Federal Aviation Administration and the Defense Mapping Agency to improve both civilian and military air traffic safety and control. Mr. Beale's achievement is recognized nationally as a major contribution to the application of computer data base management and graphics technology to automated cartography.

Charles A. Burroughs

*Program Manager
Environmental Data and Information Service
National Oceanic and Atmospheric
Administration*

Captain Burroughs is recognized for his unique and distinguished contributions to the Nation's Strategic Petroleum Reserve Program through his management of its Gulf of Mexico Brine Disposal Program. He has built a viable and unified environmental assessment program which has helped overcome some reservations held by environmentalists and regulatory agencies who questioned the advisability of discharging a saturated brine solution into the Gulf of Mexico. The results of this program will, to a large extent, determine the required level of study for as many as four other disposal sites. The exemplary abilities demonstrated by Captain Burroughs to define the correct problems and identify talent to address those problems have been indispensable ingredients in the success of this program.

Thomas B. Gray

*Supervisory Meteorologist
Environmental Research Laboratories
National Oceanic and Atmospheric
Administration
Boulder, Colorado*

Mr. Gray is recognized for his outstanding contributions in the areas of computer systems and data processing which have been key factors in the evolution of the Space Environment Laboratory to a position of world leadership in solar-terrestrial research and services. His work in the above areas has had significant, positive impact throughout the National Oceanic and Atmospheric Administration, other Federal agencies, and a number of national and international research institutions. These contributions have been accomplished in a time of decreasing resources and are a tribute to Mr. Gray's innovative skills in both management and the identification and implementation of solutions to problems requiring computer systems.

Joseph J. Conte

*Planning and Requirements Officer
National Weather Service
National Oceanic and Atmospheric
Administration*

Mr. Conte has made a major contribution to the saving of lives by the revitalization and expansion of the Emergency Broadcast System (EBS) into a local emergency warning system. Knowing the importance of just a few precious minutes of warning in saving lives in a severe weather situation, he dedicated his energies to expanding EBS from a limited national system to an organized local warning system. He convinced the broadcast industry to simultaneously broadcast local emergency warnings through local radio and television stations into every home, automobile, and boat in the impacted area. Although it will never be known just how many lives have been saved by the more than 1,000 times the local warning system has been used in the past 2 years, it is conceded there are numerous people who owe their lives to its existence.

Paul J. Grim

*Geophysicist
Environmental Data and Information Service
National Oceanic and Atmospheric
Administration
Boulder, Colorado*

Mr. Grim is recognized for his contributions to the National Oceanic and Atmospheric Administration's (NOAA) programs since 1965. He was active in carrying out research and data management in two marine research laboratories (Pacific Marine Environmental Laboratory and Atlantic Oceanographic and Meteorological Laboratories) by collecting and publishing results of his investigations on ocean floor heat flow, plate tectonics, marine magnetic anomalies, ocean floor morphology, data handling techniques. Since 1971 he has been Chief of the Marine Geology and Geophysics Branch and was responsible for the Branch's acquiring the largest and best organized data base of nonproprietary marine geophysical data in the U.S. and probably the world. More recently, he initiated and directed the geothermal project which to date has published five multicolored maps relating to world and U.S. geothermal resources.

Edward M. Gross

*Domestic Aviation Program Leader
National Weather Service
National Oceanic and Atmospheric
Administration*

Mr. Gross is recognized for his primary role in the development and implementation of "A.M. Weather", a show on the Public Broadcasting Service's television network. Almost singlehandedly, he convinced the appropriate parties and identified the funding necessary to put the show on the air. Designed to assist pilots in flight planning and to help ensure flight safety, the show also appeals to general audiences whose interests are as varied as the weather itself. Without Mr. Gross' persistence and ingenuity, it is unlikely that "A.M. Weather", a significant service to the public, would have gone on the air. It has become one of the most popular shows on the Public Broadcasting Service's television network.

David E. Harmon

*Supervisory Meteorological Technician
National Weather Service
National Oceanic and Atmospheric
Administration
Abilene, Texas*

Mr. Harmon is cited for exceptional leadership and technical management as Official in Charge of the Weather Service Office at Abilene, Texas. He has developed a highly effective natural disaster preparedness program for North Central Texas. The plan was given the severest of tests during the historic August 3, 4, and 5, 1978 flash flood and yet worked almost flawlessly in spite of tremendous odds. Mr. Harmon's effective use of NOAA Weather Radio, NOAA Weather Wire, local Civil Defense authorities and frequent broadcasts over commercial radio station KDWT to disseminate warnings minimized the loss of life. These same leadership qualities, personal technical competence, and ability to motivate his staff have also resulted in the station achieving an unparalleled Southern Region record for consecutive excellent ratings in annual station inspection.

Lawrence E. Hyatt

*Chief, Applications Division
National Environmental Satellite Service
National Oceanic and Atmospheric
Administration*

Mr. Hyatt is recognized for the outstanding manner in which he brought the Television Infrared Observation Satellite (TIROS-N) Data Processing and Services Subsystem portion of the overall TIROS-N system into a successful mode of operation in a timely manner. The success of this project enables the United States to meet its commitments for the conduct of the international Global Weather Experiment. The subsystem which is now turned over to the National Environmental Satellite Service operations is an integral part of the new Polar Orbiting Environmental Satellite Series. The system provides quantitative information on atmospheric temperature structure and ocean surface temperature values as significant input data for the missions of Environmental Monitoring and the Weather and Ocean Forecast and Warning Services.

Thomas J. Karras

*Project Manager, Data Acquisition and Control Subsystem
National Environmental Satellite Service
National Oceanic and Atmospheric Administration*

To prepare for a new environmental satellite, Television Infrared Observation Satellite (TIROS-N), Mr. Karras was given responsibility for developing the ground equipment to command and control that spacecraft. As Project Manager for the Data Acquisition and Control Subsystem, his task was to design, build, install, and verify its performance and readiness in time for the TIROS-N launch. With extraordinary enthusiasm and drive, he led his team to realizing that goal. In so doing, he demonstrated exceptional technical knowledge and skills, inspired and motivated others, and displayed exemplary managerial competence. His attention to detail, his ability to foresee problems, and his insistence upon adequate tracking of progress were outstanding examples of what good project management should be.

Betty D. Leonard

*Office Services Assistant
Office of Administration
National Oceanic and Atmospheric Administration*

While Mrs. Leonard and her husband were attending a parade at the Mardi Gras in New Orleans, Louisiana, they heard a scream for help. The scream was from a young couple with a 16-month old child in their arms. The child was not breathing. Mrs. Leonard had attended Cardiac Pulmonary Resuscitation (CPR) training classes in October 1978, scheduled by the Commerce Health Unit. Upon seeing the child, she immediately began CPR and was able to get the child breathing again. Thanks to Mrs. Leonard's courageous efforts, the child was stabilized by the time the police got the ambulance and medics through the crowds watching the parade.

Arlene L. Mazzone

*Research Geneticist
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
Milford, Connecticut*

Dr. Mazzone has developed a powerful tool for diagnosing ocean health, using the genetic well-being of fish eggs and embryos to indicate the severity of marine pollution. She developed her techniques by studying the impact of New York Bight dump sites on Atlantic mackerel. Those studies showed marine pollutants causing genetic abnormalities, leading to lethal mutations, in mackerel eggs and embryos. The first application of these techniques came quickly, the ARGO MERCHANT. Her techniques emerged as the only means for predicting that spill's long-term impact. Testimony to her achievement is the fact that the International Council for the Exploration of the Sea asked for her help in establishing a working group to foster such work throughout the world's scientific institutions.

Lewis A. Pitt

*Meteorologist
Environmental Data and Information Service
National Oceanic and Atmospheric Administration*

Mr. Pitt is recognized for his outstanding contributions to programs concerning the impact of climatic variations on global food supplies and on national energy demand. His leadership and skill as Project Manager for the tri-agency Large Area Crop Inventory Experiment contributed heavily to the development of a prototype system to provide more accurate and timely foreign crop estimates than were currently available. The advanced capabilities developed under Mr. Pitt's leadership are used by the Department of Agriculture in its global crop-yield estimates and by the Department of State in awarding disaster relief to countries in the Caribbean and the African Sahel. They also provide projections of natural gas and electricity demands to the Department of Energy, other Federal and state agencies, and industry.

David S. Shimomura

*Chief, Graphics Support Section
National Weather Service
National Oceanic and Atmospheric
Administration*

Mr. Shimomura has shown exceptional skill and leadership in designing, developing, and implementing sophisticated computer programs to produce automated graphics plotting and display systems. These are used internally in the National Meteorological Center (NMC) and disseminated on both national and international telecommunications networks. Mr. Shimomura's contributions have resulted in having virtually all automated graphics ready for the Automation of Field Operations and Services System with little remaining to do before its operational test this fall. By applications of the programs for which he was primarily responsible, the NMC was able to adjust to a reduction of 37 positions in its technical and professional work force with an actual increase in its weather support services.

Frank Makosky

Meteorologist in Charge

Tice H. Wagner III

*Principal Assistant
National Weather Service
National Oceanic and Atmospheric
Administration
Little Rock, Arkansas*

Mr. Makosky and Mr. Wagner are recognized for developing and managing the operation of one of the finest natural disaster preparedness programs in the Nation for the State of Arkansas. Five times in less than 2 years disastrous weather and flood conditions struck central Arkansas—the Cabot Tornado, the Winter Storms of 1977-78, the Central Arkansas Flash Flood of September 1978, the Ice Storms of 1978-79, and the devastating tornadoes of April 1979. Loss of life from these episodes was minimized by the effective preparedness work of Mr. Makosky and Mr. Wagner. Their personal interest in liaisons with the media, safety agencies, civil defense authorities, and network of volunteers is a model of effectiveness for public safety.

Donald W. Burgess

*Meteorologist
Environmental Research Laboratories
Norman, Oklahoma*

Larry D. Hennington

*Electronic Engineer
Environmental Research Laboratories
Norman, Oklahoma*

Kenneth H. Shreeve

*Electronic Engineer
National Weather Service
Silver Spring, Maryland
National Oceanic and Atmospheric
Administration*

Messrs. Burgess, Hennington, and Shreeve are noted for conception, design, and implementation of a novel graphic display critical to success of the Joint Doppler Operational Project (JDOP) and for associated contributions to software implementation and guidance to Project forecasters. The JDOP has demonstrated capabilities of Doppler radar to contribute much improved warnings of severe local storms; and it has demonstrated the great value of modern aids to radar data processing, dissemination, and display. The JDOP has laid a proper foundation for design of a new national meteorological radar system to provide improved advisories on tornadoes, hail, heavy rain and wind shear to the host of users in aviation, maritime, agricultural and other business sectors, and the general public.

Kenneth N. Clark

Electronic Technician

Herbert H. Hart

Electronic Technician

Brian W. Keebaugh

Electronic Technician

Kenton A. Martinsson

*Electronic Technician
National Weather Service
National Oceanic and Atmospheric
Administration*

Messrs. Clark, Hart, Keebaugh, and Martinsson are recognized for exceptional contributions to the meteorological capabilities of numerous developing nations of Latin American and Africa. During the past 3 years, they installed 15 radar systems for obtaining upper level winds and Automatic Picture Transmission (APT) Systems that permit the use of satellite weather for operational forecasting. These dedicated individuals traveled frequently to remote areas of the world, spent long and punishing hours, often under primitive and difficult conditions, installing equipment and training foreign personnel. Working against incredible odds, these determined technicians completed all stations on schedule and had them fully operational in time for these developing nations to participate and contribute to the data collection of the "Global Weather Experiment".

John L. Green

Supervisory Electronic Engineer

Richard H. Winkler

Electronic Engineer

James M. Warnock

Physicist

Wallace L. Clark

Physicist

Fred J. Eggert

*Electronic Technician
Environmental Research Laboratories
National Oceanic and Atmospheric
Administration
Boulder, Colorado*

Messrs. Green, Winkler, Warnock, Clark, and Eggert are recognized for the conception, design, construction, and operation of the Sunset Very High Frequency Doppler Radar System. This system measures winds and turbulence in the lower atmosphere up to 15-20 km above sea level. It was the first Very High Frequency Doppler radar designed for and dedicated to the study of atmospheric dynamics. It also showed that the Doppler radar technique could be applied with small radar systems of moderate cost. Using the Sunset Radar, the group has made significant contributions to the study of atmospheric waves and turbulence and to the technology of atmospheric measurements. Thus, the success of the Sunset Radar has had important impacts both in science and in applications throughout the Federal and civilian sectors and in foreign countries.

Edgar S. Burr

*Supervisory Patent Examiner
Patent and Trademark Office*

Mr. Burr has performed as Patent Examiner and Supervisory Patent Examiner for nearly 2 decades in the highest traditions of the Department. Because of his superior knowledge, competence, and dedication to his profession, he has made a significant impact on the patent community. His excellence as an Examiner and his outstanding leadership abilities have influenced the quality of patent examination in the highly competitive and far reaching printing arts. He has further served with dedication and distinction in many important administrative assignments. His outstanding performance of his duties has resulted in a significantly advanced patent examining program as well as effectively dealing with the public.

Carlton R. Croyle

*Supervisory Patent Examiner
Patent and Trademark Office*

Mr. Croyle is recognized for outstanding performance of official duties and for many significant contributions to the administration of the Patent and Trademark Office throughout his career in the Examining Corps. His performance as an Examiner and as a supervisor has been recognized by numerous awards in 22 years. At the same time, he has served with dedication and distinction in a multitude of important assignments and has been solely responsible for a number of procedural developments that have significantly improved the efficiency of the patent examining process.

Douglas J. Drummond

*Patent Examiner
Patent and Trademark Office*

Mr. Drummond has performed his duties as an Examiner for many years in an expert and authoritative manner. He has made a substantial impact upon the patent community and, through it, upon technologies and industries throughout the world which have benefited from improved techniques for adhesive bonding. His contributions in the field of adhesive bonding have led to the use of adhesives in packaging, food containers, clothing, missiles, boats, automobiles, and many other applications. His contribution to adhesive bonding technology has led to the substitution of adhesive bonding techniques for conventional fastening at tremendous savings in manufacturing cost.

Donovan F. Duggan

*Primary Patent Examiner
Patent and Trademark Office*

Mr. Duggan has made a very valuable contribution to science and technology by reason of his outstanding ability and performance in the issuance of valid patents in the field of transducers and, more particularly, in the field of motors and generators. Also, by reason of his intense effort he has brought about a shortening of the pendency of patent applications in the Office in his area of expertise. In addition, he has also inspired others, thus providing a synergistic effect far beyond his individual accomplishments in advancing Departmental and Patent and Trademark Office goals.

Edgar W. Geoghegan

*Primary Patent Examiner
Patent and Trademark Office*

Mr. Geoghegan is recognized for his outstanding skill and ability in the performance of his official duties. His outstanding performance as an Examiner has contributed significantly to the Patent and Trademark Office's program of reducing the pendency of applications in the Office. His knowledge of the technology has resulted in consistently outstanding production in his assigned area of work. Mr. Geoghegan's dedication to duty and his effective handling of applications have had a beneficial effect far beyond his individual accomplishments in advancing Department and Patent and Trademark Office goals.

James J. Gill

*Primary Examiner
Patent and Trademark Office*

Mr. Gill is recognized for his exceptional skill in examining patent applications in an extremely complex technology. His outstanding knowledge of this technology and his continuous dedication to duty have yielded high quality performance, which has advanced the Patent and Trademark Office's application pendency reduction program. His unique excellence in applying his fine legal and technical knowledge and his willingness to guide and assist others have generated a professional team spirit among his colleagues. This has inspired them to higher levels of performance in the accomplishment of the goals of the Patent and Trademark Office and the Department of Commerce.

Bobby R. Gray

*Director, Patent Examining Group 330
Patent and Trademark Office*

Mr. Gray is recognized for his outstanding leadership and accomplishment in performing his duties as the Director of a patent examining group in the Patent and Trademark Office. His efforts and demonstrated skill in supervising over 90 professional and clerical personnel under his direction have resulted in the significant advancement of the major program of the Patent and Trademark Office, the examination of patent applications, and the issuance of valid patents within a reasonable period of time. His commitment to quality job performance and his outstanding management capabilities have led to an Office-wide flexitime program and a successful conclusion to the clerical assistance program.

Harry N. Haroian

*Primary Examiner
Patent and Trademark Office*

Mr. Haroian is recognized for his outstanding skill in the performance of duty which has contributed to the advancement of the Patent and Trademark Office program of reducing the pendency of applications in the Office. His continuous excellence in the application of his expert knowledge has resulted in consistently outstanding production in his assigned docket. In addition, his willingness to share this knowledge and to assist others has greatly increased the production of his associates.

Joseph W. Hartary

*Patent Examiner
Patent and Trademark Office*

Mr. Hartary is recognized for his exceptional contribution to the Office and Department programs in reducing the pendency of patent applications. He has demonstrated outstanding skills in achieving exceptional quantity and quality of examination of patent applications. His contribution is notable for his demonstrated proficiency in widely diverse and commercially important fields of scientific endeavor. His exceptional ability in these diverse fields has had significant impact upon the advancement of United States technology.

Carl S. Koenig*

*Director, Office of Documentation Planning,
Support, and Control
Patent and Trademark Office*

Through the superb leadership and supervisory capabilities of Mr. Koenig, innovative computer systems and effective management structures resulted not only in substantial improvements in the quality and efficiency of major Patent and Trademark Office programs but also in improved employee morale. All of his efforts were concentrated on improving the quality of the Patent and Trademark Office search file, which is important in that it results in an effective patent system which in turn spurs domestic innovation and international trade.

* *presently in private sector*

Carol A. Hearn

*Management Analyst
Office of Management and Organization
Patent and Trademark Office*

Mrs. Hearn is recognized for outstanding and exceptional accomplishments in the management of the Patent and Trademark Office photocopy equipment program. Her efforts have resulted in continuing savings in excess of \$600,000 annually. She has established a government and industry-wide reputation for her knowledge, excellence, and acumen in the field of photocopy equipment and has established one of the most cost-effective, efficient, and successful copying programs in the Department of Commerce and the Federal Government.

Travis S. McGehee

*Primary Examiner
Patent and Trademark Office*

Mr. McGehee is recognized for his outstanding skill and ability in the performance of duties which have contributed to the advancement of the Patent and Trademark Office's program of reducing the pendency of applications. He is the recognized Patent and Trademark Office Expert in the field of Package Making. In the patent application pendency reduction program his outstanding performance of official duties has significantly contributed to its success. His accomplishments have demonstrated that he is a dedicated public servant, and his willingness to share his knowledge has greatly enhanced the production of his associates.

Mark E. Nusbaum

*Primary Examiner
Patent and Trademark Office*

Mr. Nusbaum has shown an exceptionally high level of skill and ability in the examining of patent applications in the art of General Purpose Digital Computer Systems which he has examined for the past 10 years in the Patent and Trademark Office. For many years his production and quality have been well above average. This exceptional ability is shown by his invaluable contributions to training of new examiners and reclassification of art in the computer technology.

Phyllis L. Sisk

*Supervisory Patent Assistant
Patent and Trademark Office*

Mrs. Sisk is recognized for her outstanding contribution to the Cooperative Office Education program. Through her efforts and implementation of this program, the quality of the clerical force of the Patent and Trademark Office has been improved in a significant and cost-effective manner while at the same time providing many high school students with the training and motivation to attain high levels of skill and interest in employment with the Department.

Nicholas S. Rizzo

*Primary Patent Examiner
Patent and Trademark Office*

Mr. Rizzo is recognized for his distinguished contribution toward the advancement of the application pendency reduction program of the Patent and Trademark Office. Mr. Rizzo, being a certified generalist, has demonstrated a special ability to examine applications in a variety of chemical technologies. This has greatly facilitated the balancing of dockets among several examiners and the uniform forward progression of the oldest filing dates of the applications in these dockets. His outstanding competence in the performance of his examining duties, as well as in coordinating the study of applications in the highly competitive antibiotic technology, has greatly advanced the examination process in his group, thus contributing substantially to a primary mission of the Patent and Trademark Office.

Lawrence O. Houstoun, Jr.

*Assistant to the Secretary
Office of the Secretary*

As Special Assistant for Regional Development, Mr. Houstoun has greatly advanced the Regional Commission program in a short period of time. Through his leadership, the Administration policy on future directions for the program was developed; new initiatives were agreed upon; and clear, concise legislation was skillfully drawn to implement the program. He successfully represented the Department of Commerce and the Administration in consultations with governors, public interest groups, and representatives of Government agencies in efforts to develop and improve the Regional Commission program.

