

THIRTY-NINTH
HONOR AWARDS PROGRAM
1987



PROGRAM

39th ANNUAL HONOR AWARDS



**Department of Commerce Auditorium
Herbert C. Hoover Building**

Fourteenth Street and Constitution Avenue, N.W.
October 20, 1987, 10 a.m.

Music

U.S. Navy Concert Band

Introduction

John M. Golden, Director for Personnel and Civil Rights

Presentation of Colors

~~Joint~~ Armed Forces Color Guard

National Anthem

U.S. Navy Concert Band

Address

Honorable C. William Verity, Secretary of Commerce

Announcement of Awards

Honorable Kay Bulow, Assistant Secretary for Administration

Presentation of Silver Medals

Secretary Verity assisted by Department officials

Presentation of Gold Medals

Secretary Verity assisted by Departmental officials

Closing Remarks

Assistant Secretary Kay Bulow



Message From The Secretary

Our honor awards program provides this special occasion for the celebration of excellence and achievement by the men and women of this Department and an opportunity for us to recognize in a meaningful way such outstanding performance.

I am a newcomer to the Department, but my observations through the years as a user of Commerce services and my recent six weeks on the sidelines have led me to observe that it has many highly qualified and dedicated employees who do their best because it is second nature to do so. They appreciate recognition but they do not wait for someone to bestow it.

The chief value in setting aside a time to honor excellence lies in the example set for others. By this act they are given something to try to equal—and to exceed. It gives every employee a new yardstick by which to measure performance.

Faced as we are with demanding missions in many fields, the Department of Commerce needs many self-starters who possess literally thousands of skills. We know the enthusiastic response many employees will give without question, but we must rely also on their performance to bring out the excellence in others.

The Department's Gold and Silver medals go to those who have demonstrated the highest performance levels, whether on their own initiative or from inspiration by others. This ceremony is particularly important because it does not differentiate between those who led well and those who followed well. Either way, the result is a better Department.

William Verity

Secretary of Commerce



1922-1987

MAC Baldrige has been eulogized by the President and other notables in and out of Government for his major contributions to shaping the country's domestic and international policy. These tributes are his due.

But Mac Baldrige also gained the respect and admiration of the career civil servant in the Department. We viewed him as one of us.

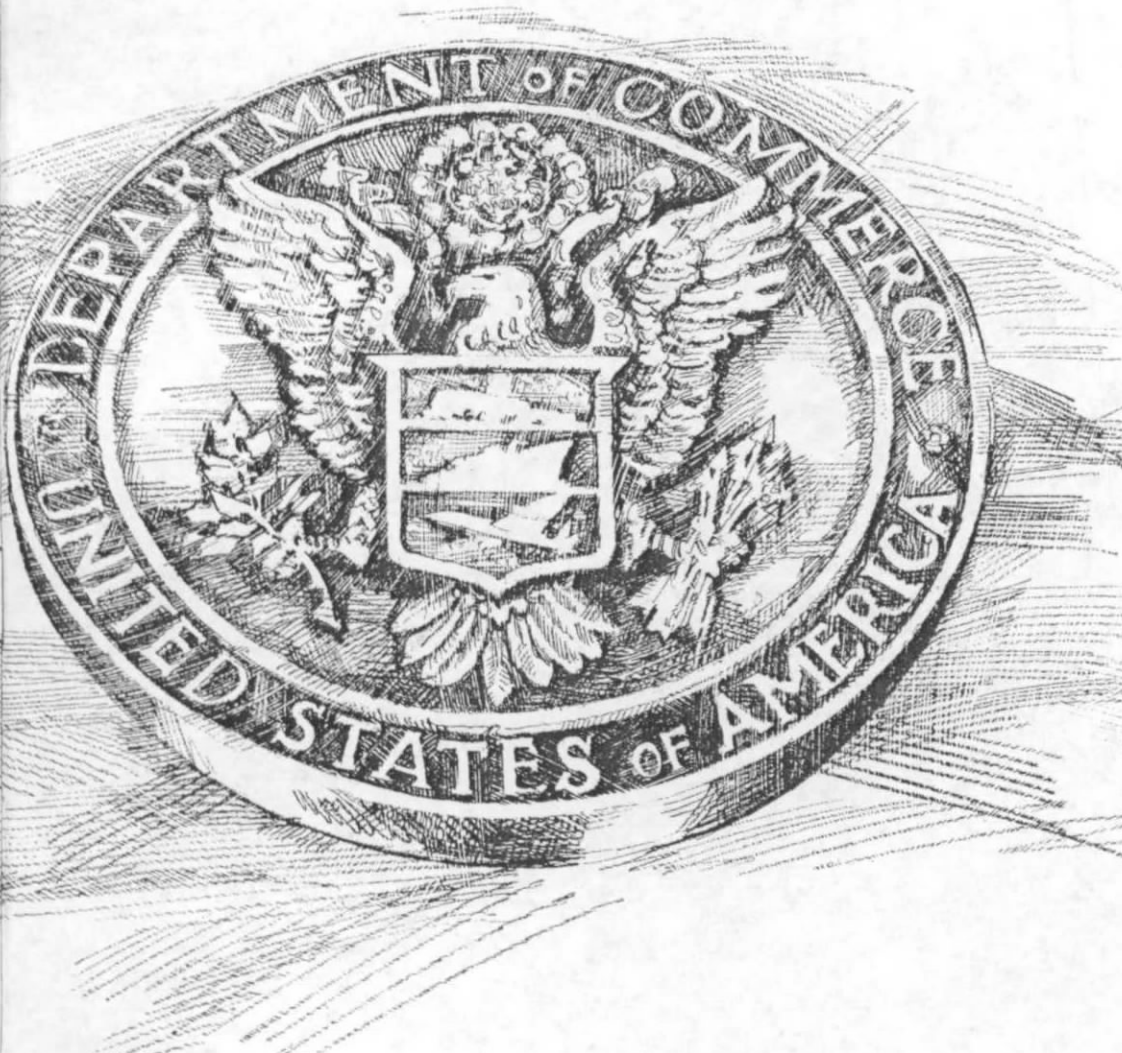
He looked to the professional careerist and depended on their experience and knowledge. He praised when successful and was not shy about criticizing less than adequate performance.

In all cases he was supportive and gave recognition when earned. This is all any professional can expect; but in the Federal Government often this is not the outcome.

Secretary Baldrige has been praised and will be missed by Presidents, Cabinet members, and business leaders. He will be no less missed by the career staff of the Department of Commerce. While he is gone in body, his spirit will remain and continue to be an inspiration. Mac Baldrige fought the good fight, stayed the course, and kept the faith. In his name we will continue to do the same.

GOLD MEDAL RECIPIENTS

This award, the highest honorary award given by the Department, is granted by the Secretary for rare and distinguished contributions of major significance to the Department, the Nation, or the world.





William J. Wheeler

*Chief, Procurement Division
Central Administrative Support Center
National Oceanic and Atmospheric
Administration*

Douglas K. Day

*Chief, Financial Management Division
Office of the Comptroller
National Oceanic and Atmospheric
Administration*

Frank Di Gialleonardo

*Deputy Director
Office of Administration
National Oceanic and Atmospheric
Administration*

Robert A. Welch

*Director, Office of Procurement
Management
Assistant Secretary for Administration*

Thomas C. Walsh

*Chief, Demographic Surveys Division
Bureau of the Census*

Mr. Walsh's leadership and managerial talents have been directly responsible for the success of the Census Bureau's program to develop computer-assisted telephone and personal interviewing for use in household surveys. His determination and enthusiasm were primary factors in obtaining the necessary approvals and funding for this work. His experience in demographic surveys was crucial in establishing and directing the efforts of several research and development teams. These technologies will represent the largest advance in Census Bureau data collection methods in several decades, and will increase substantially the efficiency and productivity of overall survey methods.

Messrs. Wheeler, Day, Di Gialleonardo, and Welch have provided outstanding leadership and direction in establishing the National BankCard Program being hosted by the Department of Commerce. Because of their innovative idea, the Federal Government will be able to make dramatic management and productivity improvements in the field of procurement. The members of the BankCard Design Team demonstrated exceptional creativity and perseverance throughout this initiative. By proposing, and pursuing, daring solutions to complex procurement problems, these four managers have achieved productivity and management improvements of the highest order.



M. Jean Anderson

*Chief Counsel for International Trade
International Trade Administration*

Ms. Anderson is recognized for exceptional achievement in the successful conclusion of negotiations for the United States-Canada Free Trade Agreement. In this historic endeavor between the world's two largest trading partners, her creativity, negotiating skill, and legal expertise were key to identifying and achieving major policy objectives of the Administration. The Agreement will enhance the economic relationship between the United States and Canada, bringing greater prosperity to both, and sets important precedents for securing free trade worldwide.

Keith R. Bovetti

Commercial Officer

**Shozo Okuno
Toshiharuo Ichinose**

Commercial Specialists

Mitsuko Nakamura

*Commercial Assistant
U.S. and Foreign Commercial Service
International Trade Administration*

The U.S. and Foreign Commercial Service team in Osaka, led by Keith R. Bovetti, played a key role in identifying the Kansai International Airport project as a major trade opportunity for U.S. firms. They laid the groundwork by alerting U.S. business to the opportunity through counseling and continuous and timely analytical reporting. Their efforts concentrated attention on major opportunities for U.S. design, engineering, and equipment firms. The tremendous response from U.S. business, on short notice, shows that U.S. firms participation in major projects in Japan is of major importance to this industry.



Michael J. Coursey

Director, Office of Investigations

Roland L. MacDonald

*Director, Countervailing Investigations
Division*

Barbara E. Tillman

Supervisory Import Compliance Specialist

Gary S. Taverman

Senior Import Compliance Specialist

Richard Herring

David J. Levine

Mark Linscott

Roy A. Malmrose

Roy Van Buskirk

Bradford Ward

*Import Compliance Specialists
International Trade Administration*

Messrs. Coursey, MacDonald, Taverman, Herring, Levine, Linscott, Malmrose, Van Buskirk, Ward, and Ms. Tillman are recognized for their performance in the countervailing duty investigation of softwood lumber from Canada. This case, the largest in the Department's history, profoundly affected both U.S.-Canadian trade and all trade involving natural resources. Without the dedication and professional excellence of the lumber team, this complex and sensitive trade dispute could not have been resolved.



Ann H. Hughes

*Deputy Assistant Secretary for the
Western Hemisphere
International Trade Administration*

Ms. Hughes is recognized for her outstanding contributions to the successful conclusion of negotiations for the United States-Canada Free Trade Agreement, a monumental step in our trade relations with our largest trading partner. Ms. Hughes offered leadership and creativity to the long process of developing priorities and fashioning a successful outcome for the negotiations. Recognizing at the outset the dramatic historical significance of the effort, Ann worked diligently to keep the process on track and maintain the motivation of all involved. Through her management and leadership, an agreement has been negotiated that creates new opportunities for employment, investment and expanded trade in both countries.



Robert J. Celotta

NBS Fellow

Daniel T. Pierce

Physicist

*National Measurement Laboratory
National Bureau of Standards*

Drs. Celotta and Pierce have made major contributions to the science of magnetic materials and the development of a world-leading technique (SEMPA) for the measurement of magnetic microstructure on a scale 100 times better than other techniques. The SEMPA technique is critical to the development of the next generation of high density, super-small magnetic information devices. This and other achievements have earned Drs. Celotta and Pierce international reputations for development of new sources, detectors, and measurement methods for low energy, spin-polarized electron beams. Their creative work has advanced scientific knowledge, promoted technology transfer to industry, and brought recognition to NBS and the Department.

David A. Didion

Group Leader

*National Engineering Laboratory
National Bureau of Standards*

Dr. Didion is recognized for his significant contributions to the heating, air conditioning, and refrigeration industry through his development of fundamental data, mathematical models, and measurement techniques for using refrigerant mixtures in such refrigeration and power machinery as heat pumps. Prior to his contributions, the best available heat pumps operated at only 20 percent efficiency. As a result of Dr. Didion's work, such industrial giants as Carrier, Trane, and York now have tools available to determine the optimum combination of machinery components and refrigerant mixtures for achieving a 30 percent improvement in the performance of heat pumps.



Steve R. Domen

*Physicist
National Measurement Laboratory
National Bureau of Standards*

Dr. Domen is recognized for his creativity as inventor of novel, highly accurate radiation calorimeters, and for his leadership in the use of these instruments for the development of the primary NBS standards for the measurement of absorbed dose. The precise measurement of absorbed dose is essential to the effective administration of radiation therapy of cancer. Hundreds of thousands of patients benefit from the availability of these radiation standards. Dr. Domen's work has also had a strong impact on radiation metrology in leading hospitals and medical research institutions in the U.S. and throughout the world. His research has brought worldwide recognition to NBS for leadership in the field of ionizing radiation metrology.



Michael R. Moldover

*Physicist
National Engineering Laboratory
National Bureau of Standards*

Dr. Moldover is recognized for his pioneering achievements in reducing the uncertainty in measuring the density of all chemical products, all industrial gases, all natural gases, and all products bought and sold in gaseous form throughout the world. He has used his techniques to make a new determination of the Universal Gas Constant that is of unprecedented accuracy. The chemical industry, the natural gas industry, and scientific laboratories worldwide are using his techniques to make accurate measurements of the properties of gases. These data are crucial for efficient process design and control and to ensure equity in the metering and custody transfer of gas.



Raymond T. Moore

*Manager, Automated Information Systems
Institute for Computer Sciences
and Technology
National Bureau of Standards*

Mr. Moore is recognized for his leadership role and technical contributions in the research, development, standardization, and implementation of automated fingerprint identification processes. Under his leadership, a joint Federal Bureau of Investigation (FBI) and National Bureau of Standards research and development effort was established. As a result of this effort, the FBI's fingerprint operations were automated, achieving personnel savings of over 600 employees annually. Mr. Moore has international recognition as one of the pioneers in automatic fingerprint identification and has been a leader in all international conferences on that subject.



Philip N. Nanzetta

*Senior Mathematician
National Engineering Laboratory
National Bureau of Standards*

Dr. Nanzetta is recognized for his outstanding leadership in the completion of the NBS Automated Manufacturing Research Facility (AMRF). Under his guidance, work in the AMRF has led to national and international robotic standards, the establishment of a software structure which is guiding the automation efforts of Boeing, North American Phillips, and Allen Bradley, and the development of a standard used by NASA in its space station robotics program. His efforts have produced more than 20 commercial adaptations of AMRF technology, 16 patents, and 5 million dollars worth of equipment donated or loaned by U.S. industry.



James Jennings Rhyne

*Physicist
Institute for Materials Science
and Engineering
National Bureau of Standards*

Dr. Rhyne has, by his outstanding neutron scattering research and leadership, placed NBS at the forefront, worldwide, in the critical area of high-technology magnetic materials. He has made central, internationally acclaimed contributions to the understanding of the microscopic properties of new kinds of amorphous and layered magnetic materials, which underlie their potential use in computers, power transformers, transducers, and more efficient small motors and recording tapes. His highly productive collaborative efforts with U.S. industries and universities, and his leadership role in the international magnetic materials community have greatly advanced the stature and recognition of NBS and Commerce in this important field.



Jack E. Snell

*Director, Center for Fire Research
National Engineering Laboratory
National Bureau of Standards*

Dr. Snell is recognized for his technical leadership in the field of fire safety research. Under his supervision, Government researchers investigated the December 1986 Dupont Plaza Hotel and Casino fire in Puerto Rico. At the Congressional hearing on the fire, he used computer-modeling techniques to show Congress how the fire spread and how the installation of various fire protection measures could have altered the course of the fire. His appointment by the Governor of Puerto Rico to serve on a Commission to review the fire and building laws, codes, regulations, and operations of the Puerto Rican Fire Service resulted in a series of recommendations that will have a dramatic impact on fire safety in Puerto Rico and will also have broad implications for hotel safety in the U.S.



Francis E. Sullivan

*Acting Director, Center for
Applied Mathematics
National Engineering Laboratory
National Bureau of Standards*

Dr. Sullivan is recognized for his outstanding leadership in the development and use of advanced methods in scientific computing which improved the Nation's scientific productivity by giving scientists faster results for more complex problems. His Guide to Available Mathematical Software (GAMS) and Core Mathematics Library (CMLIB) established NBS as a pacesetter in the management of mathematical software for supercomputers. His pioneering research in designing vector algorithms for supercomputers dramatically increased the speed of the calculations.



Robb M. Thomson

*Senior Scientist
Institute for Materials Science
and Engineering
National Bureau of Standards*

Dr. Thomson is recognized for his outstanding contributions as a world leader in the field of fracture in materials. He is the author of 60 major scientific publications, some of which represent pioneering efforts in the fields of physics and fracture in materials. Dr. Thomson is the discoverer of lattice trapping in brittle materials, which explains the high fracture energy required to propagate cracks through solids. His recent efforts include research on brittle fracture of ceramics, stress corrosion cracking in engineering materials, and fracture in high-performance composites. He is editor of a new major scientific journal.



Wing Tsang

*Supervisory Research Chemist
National Measurement Laboratory
National Bureau of Standards*

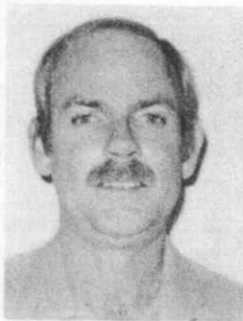
Dr. Tsang is recognized for his leadership in the development of an outstanding program in chemical kinetics at NBS. He applied his research results to the solution of practical problems in fields as diverse as hazardous waste disposal and the efficiency of fossil fuel combustion systems. He pioneered the development of the single pulse shock-tube. His work has led to the re-definition of the bond strengths of organic molecules which is having a significant impact on organic chemistry. He pioneered and continues to play the leading role in the development of a chemical kinetics data base for combustion chemistry.



Joseph O. Fletcher

*Assistant Administrator for Oceanic
and Atmospheric Research
Oceanic and Atmospheric Research
National Oceanic and Atmospheric
Administration*

Dr. Fletcher is recognized for his outstanding leadership in developing a NOAA climate research program. With his vision and sense of purpose, he has influenced national and international activities in climate. His initiative and insight led to a research program to document the role of the El Nino/Southern Oscillation (ENSO) phenomena in climate change well before the importance and tractability of the ENSO problem were recognized. His recognition of the crucial importance of atmosphere ocean data sets to climate research caused him to organize and seek support for developing the global Coordinated Ocean Atmosphere Data Sets. As a result, NOAA became the lead U.S. agency for the international Tropical Ocean Global Atmosphere program.



Richard H. Hagemeyer

*Director, Pacific Region
National Weather Service
National Oceanic and Atmospheric
Administration*

Mr. Hagemeyer is recognized for creative leadership of the Pacific Region of the National Weather Service. He is responsible for the provision of vital weather services and information to all U.S. territories and possessions throughout the Pacific Basin. He applied modern automated systems to the programs of his Region. His actions resulted in improvements in personnel productivity and cost reductions with a recurring savings in excess of a million dollars. As program leader for the tsunami warnings, he led efforts to upgrade the warning capability of the Nation. Tsunami warnings are now generated within 10 minutes, as contrasted with the previous norm of 20 minutes. His active leadership has brought great credit upon the Department and the U.S.

Ted I. Lillestolen

Executive Officer

Robert E. Hunt (shown)

Commanding Officer

Paul E. Pegnato

*Commissioned Officer
National Ocean Service
National Oceanic and Atmospheric
Administration*

As the NOAA Ship FERREL was docking at the Port of Corpus Christi, Texas, on September 17, 1986, Evelyn (Salley) Langanke fell from a bridge abutment near the ship into a 35-foot deep ship channel. The ship's Executive Officer, Lt. Comdr. Lillestolen noted that the woman was in trouble, ran from the ship and entered the water. The woman was thrashing feebly when he reached her. Lt. Comdr. Lillestolen made a proper lifesaving approach and towed the unconscious woman to shore. Comdr. Hunt revived her with CPR. Lt. Pegnato administered oxygen and first aid to stabilize her condition. Since the woman had a partially collapsed lung, the heroic action and unusual competence of her rescue and treatment were crucial in saving her life.



Morris M. Pallozzi

*Director, Office of Enforcement
National Marine Fisheries Service
National Oceanic and Atmospheric
Administration*

Mr. Pallozzi is recognized for his bravery and quick response to a potentially fatal elevator accident. His quick thinking, concerted action, and the ability to react with judgment and skill under extreme pressure combined to prevent a tragedy.



Norman A. Phillips

*Physical Scientist
National Weather Service
National Oceanic and Atmospheric
Administration*

Dr. Phillips is recognized for distinguished contributions to the science of numerical weather prediction and for superb scientific and technical leadership of a major program to develop a new regional system for one and two-day forecasts over the continental United States. This new system, run twice daily on computers at the National Meteorological Center, greatly improved public and private forecasts of summer precipitation and major winter storms. Dr. Phillips developed the basic numerical structure of the model. He led and participated in its programming on the CDC CYBER 205 computer. He developed innovative approaches to such modeling problems as the effect of turbulent mixing in surface air temperatures. He has gained the utmost respect of NWS forecasters.



Peter A. Rona

*Geophysicist
Oceanic and Atmospheric Research
National Oceanic and Atmospheric
Administration*

Dr. Rona is a pioneer in the study of sea floor hydrothermal processes. His recent discovery of "black smoker" venting in the Atlantic Ocean resulted from fifteen years of scientific insight, dedication and leadership in NOAA and the marine science community. The first evidences of ridgecrest venting activity were detected at the Trans Atlantic Geotraverse (TAG) field in the early 1970's. This discovery was made with primitive equipment. Through Dr. Rona's efforts, the discovery received credibility and led to recent discoveries and understanding of sea floor venting processes. Dr. Rona's subsequent work has defined the importance of slow spreading oceanic ridges in controlling the chemistry of the world's oceans.



Thomas J. Sokolowski

*Geophysicist-in-Charge
National Weather Service
National Oceanic and Atmospheric
Administration*

Mr. Sokolowski is recognized for automating the Alaska Tsunami Warning Center through his scientific and technical leadership, and by designing, developing, and implementing automatic and interactive mini- and micro-computer systems. These systems have considerably improved the Center's tsunami missions by rapidly detecting tsunami-genic earthquakes; collecting, storing, and analyzing their data; and preparing critical earthquake/tsunami information for immediate dissemination to tsunami warning system recipients. On the international level, his model automated tsunami warning center has been emulated by the Japanese and Soviet Tsunami Warning Centers, reflecting favorably upon the U.S. Federal Service.



Charles M. Rush

*Deputy Director for Spectrum
National Telecommunications and
Information Administration*

Dr. Rush is recognized for his outstanding leadership and technical contributions in the development and defense of U.S. interests in international HF (High Frequency) shortwave broadcasting. Dr. Rush was a major force in the design and the accomplishment of the U.S. goals at the Second Session of the World Administrative Radio Conference (WARC) for the planning of the bands allocated to the HF broadcasting service [WARC-HFBC (87)]. The conference convened under the auspices of the International Telecommunication Union (ITU), Geneva, Switzerland, in February/March 1987. International shortwave broadcasting is critical to insuring free flow of news and commentary to information-deprived societies on a world-wide basis.



Fred E. McKelvey

*Deputy Solicitor
Patent and Trademark Office*

Mr. McKelvey is recognized for outstanding contributions of major significance to the Department and the Patent and Trademark Office in revising patent interference procedures and regulations, codifying the ethical standards for practicing law before the Office, and clarifying the rules for admission to practice before the Office and the conduct of disciplinary proceedings. These achievements provide substantial benefits by reducing the cost and time required to determine the rights of parties in patent interferences and by focusing attention on important responsibilities in the practice of law before the Office. In addition, Mr. McKelvey reorganized the Office of the Solicitor, enabling this office to carry out its responsibilities more efficiently and effectively.



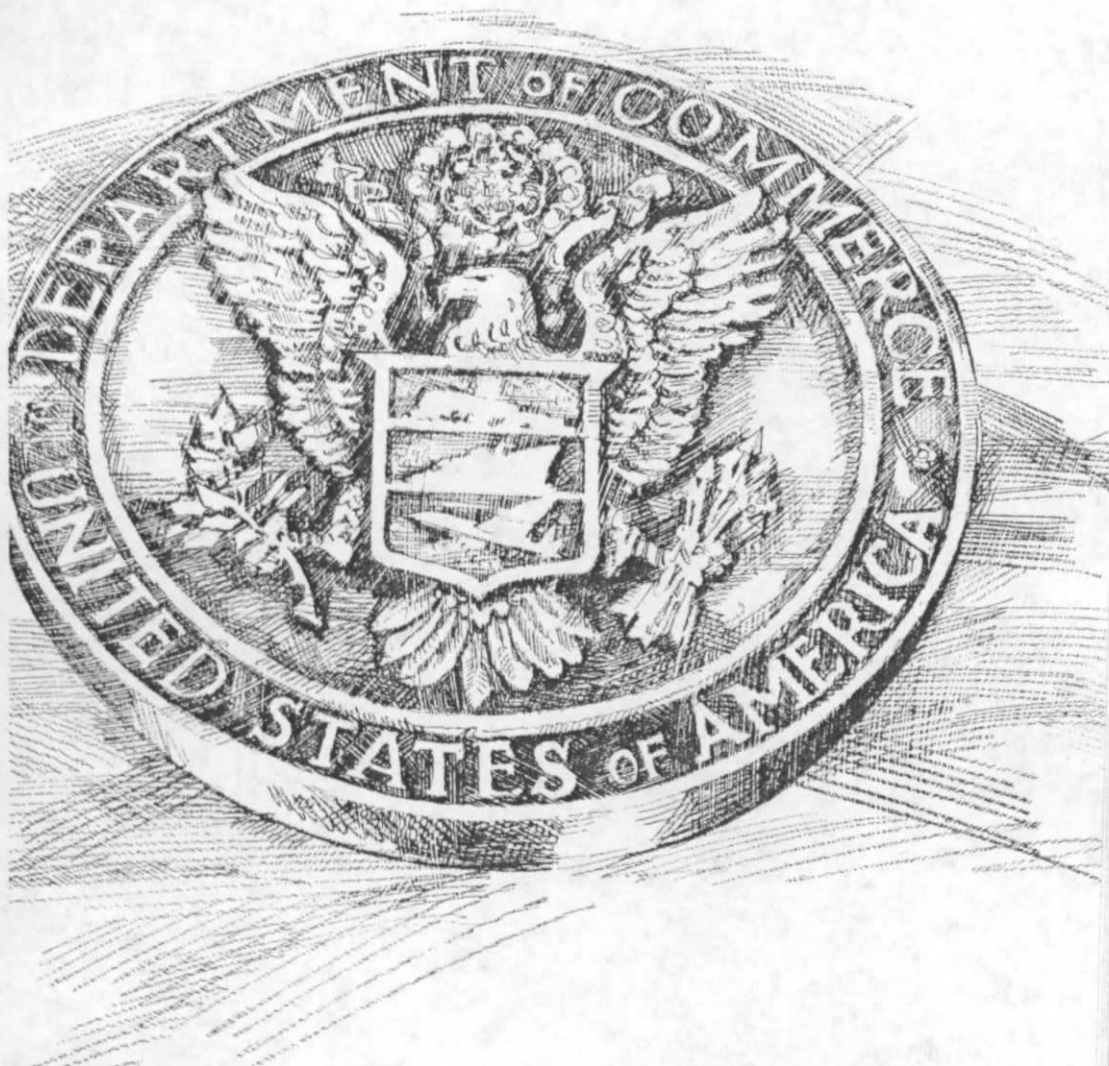
Arthur J. Steiner

*Examiner-in-Chief
Patent and Trademark Office*

As an Examiner-in-Chief, Mr. Steiner has played a principal leadership role in helping to resolve a major national problem brought about by a radically escalating backlog of patent appeals. His self-sacrifice and extraordinary performance in a highly esoteric field have set the pace for both quality and quantity of legal opinions produced, and will undoubtedly bring major benefit to industrial and financial decision-makers everywhere. The image of professionalism and willing service which he projects has been an inspiration to all of his colleagues and others.

SILVER MEDAL RECIPIENTS

This award, the second highest honorary award given by the Department, is granted by the Secretary for meritorious contributions of unusual value to the Department or the Nation.



Arthur G. Dukakis

*Regional Director
Bureau of the Census*

Mr. Dukakis has been an outstanding Regional Director in Boston for 15 years. His management skills assure that not only does the office lead the Nation in data collection and dissemination, but also positively affects the entire Census Bureau. He excels in contingency planning and planning ahead. His innovativeness and attention to detail, in both cost and quality, have saved the Government millions of dollars.

John E. Halterman

*Chief, Computer Services Division
Bureau of the Census*

As chief of the computer operation at the Bureau of the Census, Mr. Halterman directs one of the largest and most modern facilities in either the public or private sector. His performance has been exemplary. Through his commitment to excellence, Mr. Halterman has produced an environment that is a state-of-the-art, highly productive, and fully responsive computer processing operation. This award is in recognition of his outstanding contributions to improving automated data processing services.

Cary T. Isaki

*Mathematical Statistician
Bureau of the Census*

Dr. Isaki has made excellent research and consulting contributions and has shown outstanding leadership in the fields of survey design and estimation. His outstanding statistical expertise has been instrumental in developing Census Bureau programs, as well as expanding scientific knowledge in the survey statistics area. His many published articles have enhanced the reputation of the Department of Commerce, as well as his own reputation as a statistical authority.

Samuel H. Johnson

*National Services Program Coordinator
Bureau of the Census*

Mr. Johnson is recognized for invaluable contributions for gaining recognition of the Census Bureau's mission among the Nation's minority communities. He has helped directly to reduce the Nation's undercount and to attain the goals of the Department of Commerce and the Census Bureau in maintaining the highest quality of statistical information.

J. Hayden Boyd

Director, Office of Consumer Goods

William S. Lofquist

Commodity Industry Specialist

Marjorie J. Kline

Congressional Liaison Specialist

**Marcia G. Kenney
Robert M. Shaw
Wendy Silberman**

*International Economists
International Trade Administration*

Steven D. Needle

*Attorney Adviser
Office of the General Counsel*

Michael S. Keplinger

*Attorney Adviser
Patent and Trademark Office*

This group is recognized for its work to maintain U.S. international trade commitments and to preserve markets for U.S. exports. The group organized and supported the Administration's efforts to end the manufacturing clause of U.S. copyright law. Their initiatives were instrumental in sustaining the Administration's position.

Office of Compliance

International Trade Administration

The Department recognizes the Office of Compliance for excellence in administering antidumping and countervailing duty laws. Its hard work and technical expertise were essential for successful implementation and enforcement of the Semiconductor and Lumber Agreements, 235 current antidumping duty orders and suspension agreements. These agreements and laws rank among the most important trade initiatives of the Administration.

Geraldine R. Jones

*Program Analyst
International Trade Administration*

Ms. Jones was responsible for managing all administrative functions for Export Enforcement's nationwide expansion. To accomplish this objective, she coordinated the opening of four new field offices including the procurement of over two million dollars in equipment and services; designed a budget tracking system which effectively measures the financial status of OEE worldwide; and is directing a computer project to link all OEE field operations in a state-of-the-art secure computer network.

Ira E. Kasoff

*Commercial Officer
U.S. and Foreign Commercial Service
International Trade Administration*

As the sole Commercial Officer representing U.S. business in Shanghai, the second largest city in the world, Mr. Kasoff has demonstrated extraordinary commitment to his job, outstanding management skills, and organizational talents. By his high level of initiative, he utilized the resources available to him to establish contacts and take action to benefit American commercial interests.

Charles M. Ludolph

*Director, Office of European Community Affairs
International Trade Administration*

Mr. Ludolph has demonstrated sustained outstanding performance in reducing trade barriers facing U.S. manufactured goods exported to Europe, helping open new markets for American companies. His personal work in defending the trade rights and interests of U.S. manufacturers goods in Europe has led to the avoidance or removal of barriers affecting millions of dollars of American exports.

Ned Quistorff

*Director, Office of Consumer Goods
U.S. and Foreign Commercial Service
International Trade Administration*

Mr. Quistorff is recognized for his outstanding achievements, resulting in a tripling of the trade development program in China in the last two years. He mobilized U.S. high tech companies into a forum for exchanging information and solving export licensing problems, leading to millions of dollars in incremental sales for those companies. His knowledge, counsel, and advice have been invaluable.

Saudi Arabia Post

*U.S. and Foreign Commercial Service
International Trade Administration*

The U.S. and Foreign Commercial Service post in Saudi Arabia has conducted an exceptionally imaginative, sustained and successful commercial program over the past three years. Coupling the Department's most active and diversified trade promotion program with strenuous and effective efforts to remove trade barriers, U.S. and Foreign Commercial Service Saudi Arabia contributed significantly to America displacing Japan in 1986 as the number one supplier of goods and services to Saudi Arabia.

U.S.-Canada Free Trade Legal Advisory Team

International Trade Administration

The legal advisory team is recognized for its outstanding efforts in the successful negotiation of the United States-Canada Free Trade Agreement. The negotiations involved intricate issues within both legal systems that had to be mastered by the legal staff. Untold hours and personal efforts were contributed by the legal staff to the task of the negotiations. Legal expertise and creative thinking were critical contributions to the successful conclusion to the negotiations.

U.S.-Canada Free Trade Agreement Negotiating Team

International Trade Administration

This group is recognized for its outstanding contributions towards the successful conclusion of negotiations for the U.S.-Canada Free Trade Agreement, a major goal of this Administration. The group worked creatively to identify and achieve U.S. priority objectives for the Free Trade Agreement. This historic agreement will strengthen the U.S. economy, increase employment, and significantly improve our economic relationship with Canada.

Nicholas J. Carino

*Research Civil Engineer
National Engineering Laboratory
National Bureau of Standards*

Dr. Carino is recognized for his outstanding leadership in directing the successful investigation of the structural integrity of the U.S. Embassy in Moscow. This investigation, directed by Congress, was assigned to NBS in January 1987, and had to be completed by March 1987, with a report made to Congress by April 15, 1987. Dr. Carino led the field study which revealed defects in the structure, and guided the development of measures to make the structure conform to safety standards.

Alan F. Clark

Supervisory Physicist

John M. Moreland

*Physicist
National Engineering Laboratory
National Bureau of Standards*

Drs. Clark and Moreland are recognized for providing the world with the first, the best, and the most precise detailed measurements of the superconducting energy gap in the new high-critical-temperature (T_c) conductors which carry electricity without losing energy. They used the NBS-designed "breakjunction" method to give the scientific community the knowledge needed to develop a better understanding of the behavior of the high- T_c materials and the way the behavior arises.

Mary Carroll Croarkin

*Mathematical Statistician
National Engineering Laboratory
National Bureau of Standards*

Mrs. Croarkin is recognized for developing statistical foundations for NBS calibration services and providing the methods for establishing measurement standards used by industrial laboratories throughout the world. Her analysis of NBS calibration data for orifice meters assures that petroleum products transferred from suppliers to U.S. industry are measured accurately. Her analysis of international data of oxygen concentration in silicon enhances quality control in the semiconductor industry.

Richard A. Durst

*Supervisory Research Chemist
National Measurement Laboratory
National Bureau of Standards*

Dr. Durst is recognized for his outstanding leadership and personal contribution in the establishment of a new, internationally renowned research program in organic electrochemistry at NBS. Dr. Durst has led a highly productive research group in developing several areas of modern electrochemistry, including hydrodynamic detectors for liquid chromatography, spectroelectrochemistry, chemically modified electrode sensors, modeling of charge transport, and the development of biosensors.

Stephen W. Freiman

*Supervisory Ceramic Engineer
Institute for Materials Science
and Engineering
National Bureau of Standards*

Dr. Freiman is recognized for his research and leadership in relating structure and processing of ceramic materials to final properties. These efforts have led to the understanding of fiber to matrix interfacial behavior in ceramic composites and ability to predict the performance of multilayer ceramic capacitors. This latter research, conducted in conjunction with a major capacitor manufacturer, determined the effects of composition and microstructure on the fracture behavior of these materials.

Matthew Heyman

*Supervisory Public Affairs Specialist
Office of the Director of Administration
National Bureau of Standards*

Mr. Heyman is recognized for his leadership role in developing and implementing a media liaison program for NBS that has contributed in a major way to helping achieve national goals of improving productivity and increasing international competitiveness. He arranged numerous highly successful media events, used outstanding judgment in dealing with subjects that were sensitive and controversial, and provided management training that encouraged public understanding and support of key objectives.

Stuart W. Katzke

*Chief, Computer Security Division
Institute for Computer Sciences
and Technology
National Bureau of Standards*

Dr. Katzke is recognized for his leadership role and technical contributions in developing Federal Information Processing Standards and Guidelines in Computer Security. Under his leadership, the NBS Computer Security and Risk Management Program has increased in size and scope. Its products are widely utilized throughout the private and public sectors. His numerous projects for other agencies have resulted in significant improvements in computer system security.

Loren W. Linholm

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

Mr. Linholm is recognized for his innovative leadership of a multiyear effort to provide the U.S. semiconductor industry with test structures for improving quality control and manufacturing efficiency in the production of integrated circuits. He has also been eminently successful in directing the transfer of this technology to industry including Department of Defense contractors for military applications.

Pedatsur Neta

*Research Chemist
National Measurement Laboratory
National Bureau of Standards*

Dr. Neta is recognized for outstanding scientific leadership and creative research using pulse radiolysis to study the mechanism of photosynthesis, electron transfer processes in biosystems, and the chemistry of acid rain formation. Dr. Neta is one of the most frequently cited chemists in the world. His work finds application in the development of catalysts, in the use of solar energy, and in solving a variety of health and environmental problems.

Henry V. Oppermann

*Weights and Measures Coordinator
Office of the Director
National Bureau of Standards*

Mr. Oppermann implemented and manages the National Type Evaluation Program (NTEP). Under this program, new types of commercial weighing and measuring devices are evaluated for compliance with the legal and technical requirements of the 50 states. Since October 1984, all new commercial devices must be evaluated under NTEP. The program's national success is due to Mr. Oppermann's gaining manufacturers' support and evaluation by state laboratories.

Richard T. Penn

*Chief, Fabrication Technology Division
National Engineering Laboratory
National Bureau of Standards*

Mr. Penn is recognized for outstanding leadership in improving the efficiency of the NBS Fabrication Technology Division. His A-76 Management Study proposed an optimum organization for fabricating precision instruments needed to support NBS research. He implemented his proposal by conducting a successful major reorganization of the Division, increasing the Division's efficiency while reducing the local overhead by 28 percent and the local overhead positions by 3.9 work years.

Robert Rosenthal

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

Mr. Rosenthal organized, staffed, and executed a major new research program in Local Area Computer Networking. He established a unique laboratory facility for conformance testing, performance measurement, and analytic and simulation modeling of the local networks used by technical office and automated manufacturing users and vendors. His ability to set important program directions, attract research associates, and develop computer networking standards resulted in the highest quality programs.

Charles R. Tilford

*Physicist
National Measurement Laboratory
National Bureau of Standards*

Dr. Tilford is recognized for his leadership role and personal contributions in developing improved pressure measurement standards. His pioneering development of ultrasonic manometry is the basis of new standards and instrumentation, which, because they are extremely practical and accurate, have become widely used in industry. To improve the accuracy of pressure calibrations, he has measured the speed of sound in mercury 20 times more accurately than previous realizations.

Wen-li Wu

*Materials Research Engineer
Institute for Materials Science
and Engineering
National Bureau of Standards*

Dr. Wu has made major contributions to the field of composites and high performance thermosetting polymers. He has developed and applied neutron scattering techniques to analyze the molecular network structure in the polymers involved. This network structure plays a major role in determining the material's properties. The ability to determine network structure opened a whole new area of research focusing on the relationships between structure and properties of thermosetting polymers.

Vernon C. Bissell
Phillip A. Pasteris

Senior Hydrologists

Geoffrey M. Bonnin

Hydrologist (Computer Systems)

Charles N. Hoffeditz

*Deputy Chief, Hydrologic Branch
National Weather Service
National Oceanic and Atmospheric
Administration*

Drs. Bissell and Hoffeditz, Messrs. Pasteris and Bonnin established a standard format for data exchange between the NWS and other Federal agencies. The Standard Hydrometeorological Exchange Format (SHEF) code is a fundamental building block toward NWS modernization of data processing. SHEF has resulted in large savings of human resources, allowing the forecaster to concentrate on data analysis and warning functions. SHEF is accepted as a Federal standard.

Bruce Coleman Douglas

*Chief, Geodetic Research and
Development Laboratory*

Robert E. Cheney

Chief, Satellite and Ocean Dynamics

Russell W. Agreen
Laurence L. Miller

*Geodesists
National Ocean Service
National Oceanic and Atmospheric
Administration*

The NOAA GEOSAT Project team is recognized for initiating, developing, and managing the NOAA GEOSAT satellite altimeter project. Through their

leadership, they produced the first long-term, global satellite data set for determining sea level variation, and used GEOSAT data to make the first comprehensive survey of sea level events associated with the climatological equatorial Pacific Ocean phenomenon, "El Nino."

Herbert William Kroehl

*Numerical Modeling Group Leader
National Environmental Satellite Data
and Information Service
National Oceanic and Atmospheric
Administration*

Mr. Kroehl conceived and developed a numerical model of the global distribution of Ionospheric Conductivity and Electron Density. In combination with his dynamic model, the resulting research has made his group a leading international center for upper atmospheric modeling. The results are frequently requested at international symposia, are employed in advanced research in ionospheric and magnetospheric physics, and are important for national security applications.

Melvin D. Mathews

*Supervisor, National Aviation
Weather Advisory Unit
National Weather Service
National Oceanic and Atmospheric
Administration*

Mr. Mathews is cited for his outstanding contribution in developing and managing the National Aviation Weather Advisory program. Innovative and creative practices have led to a highly efficient, effective, service-oriented program that takes full advantage of state-of-the-art forecasting techniques, model output and interactive computer capabilities. Mr. Mathew's expert leadership has been a key factor in molding this program that is critical to the safety of users of the national airspace.

Wilfred E. Mazur

*Electronics Engineer
National Environmental Satellite Data
and Information Service
National Oceanic and Atmospheric
Administration*

Mr. Mazur is recognized for his contribution for improving weather forecasting by upgrading the Geostationary Operational Environmental Satellite Ground System, sounding and other data not previously accessible to meteorological users. As a result of his engineering and management skills, the most extensive addition to the Geostationary Satellite Ground System was accomplished effectively and efficiently with minimum disruption of on-going operations.

Daniel R. Mondella

Official-in-Charge

William T. Knight

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

Messrs. Mondella and Knight are cited for their quick and decisive actions to warn the people of Jones County, Mississippi, of an impending tornado disaster. This was the most severe tornado to strike the United States since 1985, devastating a huge area. The rapid and efficient advanced warning enabled officials and the public to take critical, life-saving actions. Earlier preparedness training to alert people to protective measures resulted in life-saving decisions.

George P. Murphy

*Chief, Central Computer Branch
National Weather Service
National Oceanic and Atmospheric
Administration*

Mr. Murphy is recognized for exceptional skill and ability in the management of the Suitland Central Computer Facility during a period of rapid growth and change. The Facility is crucial to the National Meteorological Center's mission of providing numerical guidance material to support the weather warning and forecasting operation of the NWS. Despite great potential for disruptions, critical product deliveries were timely and reliable. The increase in computer power made possible a higher level of accuracy in the forecast.

Stella Louise Paige

Secretary

**Janet A. Davis
Kathy Summers**

*Clerk-Typists
National Marine Fisheries Service
National Oceanic and Atmospheric
Administration*

Mses. Summers, Davis, and Mrs. Paige are recognized for helping to prevent serious injury and possibly death. On June 26, 1986, they responded to screams from an elevator shaft in which a person was trapped. They called for emergency assistance, located the victim, and obtained help from another employee to get the victim free. They alerted someone on each floor not to use the elevator. Their alertness and composure under stress, and their competent action were instrumental in saving a life.

Bradley T. Patten

*Engineering Technician
Office of Aircraft Operations
National Oceanic and Atmospheric
Administration*

Mr. Patten has contributed to the success of NOAA airborne research and hurricane reconnaissance. Instrumentation designed, fabricated, and installed on NOAA research aircraft by Mr. Patten has been crucial to scientific programs. His designs permitted such diverse measurements as low altitude turbulent transfer, profiles of winds and state parameters, multi-wavelength solar radiation fluxes, properties of atmospheric gases, and aerosols including the exhaust plume of space shuttle vehicles.

Frank T. Quinlan

*Chief, Climatological Analysis Division
National Environmental Satellite
Data and Information Service
National Oceanic and Atmospheric
Administration*

Mr. Quinlan is recognized for making significant contributions to the field of climatology through his leadership in establishing the U.S. Historical Climatology Network (HCN) for use in determining climate change over the past century, monitoring current climate, and ascertaining the impacts of increasing concentrations of greenhouse gases. His leadership, creativity, and scientific expertise resulted in a major advance in the field of climatology.

Frank H. Quinn

*Head, Lake Hydrology
Office of Oceanic and Atmospheric
Research
National Oceanic and Atmospheric
Administration*

Dr. Quinn made a valuable contribution to NOAA's mission to improve weather services and management of natural resources. His scientific leader-

ship in developing and coordinating a comprehensive system of models to accurately simulate and predict runoff and Great Lakes water levels has resulted in unique predictive capability used by both U.S. and Canadian agencies and used to support international agreements. He is extensively consulted by State and Federal agencies, Congress, and Canada.

James A. Hoffmeyer

*Group Chief
National Telecommunications and
Information Administration*

Mr. Hoffmeyer is recognized for outstanding leadership and technical contributions in digital microwave radio communications simulation and network performance measurements. He provided essential technical insight into quantitative measures to evaluate digital microwave radio performance in laboratory settings, and coordinated a telecommunications performance measurement program to support critical communications networking requirements within the Digital European Backbone Network.

Helena Mitchell

*Manager, Minority Telecommunications
Development
National Telecommunications and
Information Administration*

Dr. Mitchell is honored for her outstanding leadership and commitment in the development of the first international conference for U.S. minority and Caribbean telecommunications business and educational institutions. The event furthered the Presidents's Caribbean Basin Initiative and agency goals. It increased international minority telecommunications projects, in both business and education, and established an educational task force.

Philip Charles Freije

*Deputy Chief Counsel for
Economic Affairs
Office of the General Counsel*

Mr. Freije has superbly demonstrated legal skill and ability in advancing the Department's programs in economic affairs, science and technology. His wise counsel and dedication to his clients' missions have contributed immeasurably to the effectiveness and success of the Department in collecting and disseminating vital Government statistics, such as the GNP, balance of payments and census information, and in developing policy regarding the transfer of technology to the private sector.

Mary L. Casey

*Audit Manager
Office of Inspector General*

Ms. Casey is recognized for her audit work and expert technical assistance to the Department. She has repeatedly demonstrated leadership and technical competence in the Office of Inspector General's Office of Automated Information Systems. Her audit work helped improve decennial census procedures, contract practices, automation management, ADP security, and internal controls. The accomplishments of Ms. Casey reflect great credit upon herself and the Office of Inspector General.

William M. Manto

*Regional Inspector General for Audits
Office of Inspector General*

Mr. Manto is recognized for his exemplary leadership of the Atlanta Regional Audit Office. His outstanding dedi-

cation and innovativeness, coupled with his leadership ability, have enabled his office to produce audits that have resulted in millions of dollars of savings or cost avoidance for the Department.

R. Jacqueline Dees

*Equal Opportunity Officer
Patent and Trademark Office*

Ms. Dees has implemented innovative programs which have resulted in extensive, impressive EEO communications and outreach. These include initiatives to use the abilities of the work force effectively and to increase opportunities for employees to enhance their careers. She has developed external outreach programs to recognize contributions made by minorities to industrial growth in the U.S. and to encourage students to become involved in engineering and the sciences.

Cheryl L. Eyre

*Supervisory Personnel Staffing
and Classification Specialist
Patent and Trademark Office*

Ms. Eyre has been an extraordinarily high achiever throughout her career with the PTO. During FY 1986 and 1987, she directed recruiting campaigns that successfully met the goals of the Patent Corps, despite many obstacles. She demonstrated initiative, foresight, and imagination in resolving complex recruiting problems. She has made a significant contribution to the Secretarial objective of reducing patent pendency by ensuring the influx of new patent examiners with superior qualifications.

Morton Foelak

*Primary Examiner
Patent and Trademark Office*

Mr. Foelak is a recognized Senior Examiner in the technology of synthetic resin foams. He demonstrates a high degree of competence in both legal and technical areas of patent examination. His production record is outstanding and his performance exemplary. His exceptional skill, judgment and consistent effort have made his work highly effective, materially contributing to the progress of the Nation's commerce and the goals of the Department of Commerce and the Patent and Trademark Office.

Joseph M. Golian

*Primary Patent Examiner
Patent and Trademark Office*

Mr. Golian has performed his official duties in an extraordinary manner since 1979. He has been rated Outstanding each year. His record of consistent outstanding production of high quality work for the past eight years exceeds by 40 percent what was expected of him. His skill and abilities in the performance of his duties have significantly contributed to the Patent and Trademark goal to reduce pendency and have had a significant impact on the science and technology of the Nation.

Floyd Dale Higel

*Patent Examiner
Patent and Trademark Office*

Mr. Higel is a recognized Senior Primary Examiner in the area of organic chemistry, particularly azo chemistry. His demonstrated expert technical competence in this art area and his excellent grasp of patent law have enabled him to achieve a significant reduc-

tion in the pendency of patent applications in this area. He made essential contributions to the development of a new classification schedule, and rendered valuable technical and legal assistance to colleagues and to the public.

Catherine S. Kern

*Manager, Program Control Division
Patent and Trademark Office*

Mrs. Kern has distinguished herself by her ability to perform in an outstanding manner. Through her exceptional initiative and creativity, she designed, implemented and improved systems which led to cost savings, more effective management, and improved operational efficiency in the contract management area. Under her leadership, services to the public have improved dramatically, with many compliments being received from the public and PTO program areas.

Michael K. Kirk

*Assistant Commissioner for
External Affairs
Patent and Trademark Office*

Mr. Kirk is recognized for his exceptional contribution to the strengthening of protection available throughout the world for intellectual property owned by U.S. industry and nationals. Through his tireless efforts, a Commerce program to strengthen intellectual property protection worldwide was established, in coordination with various other Federal organizations. With his unrivaled knowledge and selfless dedication, Mr. Kirk has proven to be a major force in the intellectual property field.

James A. Leppink

*Supervisory Patent Examiner
Patent and Trademark Office*

Mr. Leppink is recognized for his leadership excellence and uniquely outstanding success in managing the examination of patent applications. As Supervisory Examiner of the highly complex petroleum and mining engineering technologies, his exceptional skill and effectiveness in motivating his staff have yielded phenomenal productivity, with the result that his unit attained their planned application pendency level well ahead of schedule and is assisting other groups and units in reaching theirs.

Carlisle E. Walters

*Trademark Procedures and Special
Projects Attorney
Patent and Trademark Office*

Ms. Walters has made outstanding contributions to improving the quality of service to the public. She rewrote the trademark practice manual, prepared a comprehensive practice summary, and managed a 21-attorney project to rewrite the form paragraphs used by staff attorneys, leading to substantial time savings. She has enhanced Office stature as a speaker at conferences. As a World Intellectual Property Organization expert, she recommended improvements to the Philippine Patent Office.

Robert F. White

*Group Director
Patent and Trademark Office*

Mr. White has been a leading force in shaping and enhancing the U.S. patent system. He is highly respected for his pursuit of quality examination, proficiency in patent law and practice, and managerial acumen. He has displayed the highest ideals of professionalism, demanding excellence of himself and others. His exceptional skill in motivating and directing employees has increased the productivity of the groups he manages. Mr. White's contributions have substantially improved PTO's operations.

EXTERNAL AWARD RECIPIENTS

Arthur S. Flemming Awards

Dr. Willie E. May

*Supervisory Research Chemist
National Bureau of Standards*

Dr. May was honored for his innovative research in high-performance liquid chromatography, outstanding science administration, and for developing a novel, educational program on state-of-the-art instrumental methods for chemical analysis for young scientists and faculty at historically black colleges.



Dr. Dale E. Newbury

*Supervisory Metallurgist
National Bureau of Standards*

Dr. Newbury was honored for his pioneering contributions to quantitative analysis using electron and ion microprobes, developing theory and methodology for microscale chemical compositional mapping, and for practical applications of this research.



Awards for Distinction in Cash Management

Roger J. Mallet

*Director of Finance Management
Office of Assistant Secretary
for Administration*

Mr. Mallet was honored for his role in the Department-wide cash management review, resulting in more than a dozen cost-saving innovations, including the use of travelers checks.



John R. Sansing

*Systems Accountant
Economic Development Administration*

Mr. Sansing was selected for his initiative and creativity in designing, developing, and implementing an Automatic Credit Bureau Reporting System currently used by Commerce, Transportation and the Mint.



Executive Excellence Award

Dr. Vernon E. Derr

*Director Environmental Research
Laboratories
National Oceanic and Atmospheric
Administration*

Dr. Derr was selected by the Senior Executives Association for his extraordinarily successful management of the Environmental Research Laboratories.



Interagency Committee on Information Resources

Charles Linett

*Computer Scientist
Bureau of the Census*

Mr. Linett was selected for his innovative application of information technology solutions to Census Bureau operations that have improved the level of ADP services, while reducing costs and increasing efficiency.



William P. Jump Memorial Award

Michael P. DeLuca

*Program Scientist and
Special Projects Director
National Oceanic and Atmospheric
Administration*

Mr. DeLuca was recognized for his exemplary achievements in the administration of the National Undersea Research Program of the National Oceanic and Atmospheric Administration.



DEPARTMENT'S INCENTIVE AWARDS BOARD

John M. Golden

Director for Personnel and Civil Rights
Chairman of the Board

Raymond G. Kammer

Deputy Director
National Bureau of Standards

Frederick T. Knickerbocker

Executive Director
Office of the Under Secretary for Economic
Affairs

J. Michael Farren

Deputy Under Secretary
for International Trade
International Trade Administration

J. Curtis Mack

Assistant Secretary for Oceans and
Atmosphere
National Oceanic and Atmospheric
Administration

Mary Ann Knauss

Deputy Assistant Secretary for
Intergovernmental Affairs
Office of the Secretary

Roland H. Moore

Associate Director for Field Operations
Bureau of the Census

**Many thanks to those individuals who contributed
so much to the success of today's program...**

Special thanks to:

Office of Personnel and Incentive Awards Staff
Tammy Akowskey
Carolyn Alderman
Joyce Savage

Incentive Awards Program Officers of the Department:
Helen Fedele—CEN
Loretta Cole—FCS
LaVerne Hawkins—ITA
Joan Schneider—NBS
Evelyn Fritz—NOAA
Marie Van Wyk—OIG
Golden Mayberry—O/S
James Cooper—PTO
and their valuable assistants

U.S. Navy Concert Band
Joint Armed Forces Color Guard

Office of Publications
Office of Real Property Programs
Office of Security

