



*54th Annual*

# HONOR AWARDS

*Program*

2002

UNITED STATES  
DEPARTMENT *of* COMMERCE





*Fifty-fourth  
Honor Awards Program*

**Herbert C. Hoover Building  
14th Street and Constitution Avenue, N.W.**

September 24, 2002

**Introduction**

Deborah A. Jefferson

*Acting Director*

*Office of Human Resources Management*

**Presentation of Colors**

Armed Forces Color Guard

**National Anthem**

Military Service Band

**Address**

Honorable Donald L. Evans

*Secretary of Commerce*

**Announcement of Awards**

Honorable Otto J. Wolff

*Chief Financial Officer and*

*Assistant Secretary for Administration*

**Presentation of Gold and Silver Medals**

Secretary Evans assisted by Department Officials

**Closing Remarks**

Deborah A. Jefferson

*Acting Director*

*Office of Human Resources Management*

**Soloist**

Paul Bell





## **Message from the Secretary**

**T**he recent commemoration of the events of September 11, 2001, reminds us once again of the strength, courage, sacrifices and compassion of the American people and those who choose public service as a career.

Today, the fight against terrorism is on-going, led by a strong and decisive President and an America that is united, determined and blessed by a citizenry that believes in the virtues of service and the promise of freedom and opportunity. The pillars on which this promise rests are national security and economic security.

At the Department of Commerce, our mission is to protect and promote economic security by creating the right environment for entrepreneurs and enterprises to compete, prosper and create new American jobs. The men and women here pursue multiple paths to this great goal: opening world markets, measuring the economy, providing stewardship of the environment, supporting technological competitiveness, fostering minority business development, assisting economically distressed areas, and enforcing export controls of materials that could harm U.S. national security.

The 2002 Honor Awards Ceremony celebrates the remarkable successes of those charged with these grave responsibilities. As leaders, mentors and stewards of the public good, the men and women being honored today have distinguished themselves by their work on behalf of the Department, the nation and the world. In some instances in answering the call to service, they courageously put themselves in harm's way to ensure the safety of others. The performance of each of our medal winners truly enhances the title of public servant.

In this challenging time when a commitment to duty, service and stewardship is critical to the welfare of our country, I am privileged to recognize all of our Gold and Silver medal award recipients.

A handwritten signature in black ink, appearing to read "Donald L. Evans".

Donald L. Evans





## *Gold Medal*

*This award, the highest honorary award given by the Department, is granted by the Secretary for distinguished performance characterized by extraordinary, notable, or prestigious contributions that impact the mission of the Department and/or one operating unit and that reflect favorably on the Department.*



## *Silver Medal*

*This award, the second highest honorary award given by the Department, is granted by the Secretary for exceptional performance characterized by noteworthy or superlative contributions that have a direct and lasting impact within the Department.*

*To warrant a Gold or Silver Medal, a contribution must focus on qualitative and quantitative performance measures reflected in the Department's Strategic Plan and be identified in one of the following areas:*

*leadership*

*personal and professional excellence*

*scientific/engineering achievement*

*organizational development*

*customer service*

*administrative/technical support*

*heroism*



## **CHIEF FINANCIAL OFFICER AND ASSISTANT SECRETARY FOR ADMINISTRATION**



*Silver Medal*

### **PERSONAL AND PROFESSIONAL EXCELLENCE**

**Bruce S. Henshel**

**Haifan Tao**

**Katherine M. Lee**

**Elodia R. Holzbaur**

Staff Accountants

**Gregory S. Stanis**

Computer Specialist

*Chief Financial Officer and Assistant  
Secretary for Administration*

The group is recognized for implementing the Corporate Database which enabled the Department to produce accelerated Departmental and bureau financial statements. This effort resulted in the timely submission of the Department's FY 2001 financial statements to the Office of Management and Budget (OMB) and Adjusted Trial Balances for FACTS submission to the Department of the Treasury. The success of this pilot project is critical to meeting accelerated reporting requirements from OMB.

### **ADMINISTRATIVE/ TECHNICAL SUPPORT**

**Joseph Frederick Hajmosi**

Team Leader, Support  
Services Branch

**Stuart L. Cummings**

Service Contracts Monitor

**Vera N. Whisenton**

Chief, Library and Special  
Services Division

**Tiffany T. Hixson**

Director, Commerce Acquisition  
Solutions

**Alexander Mayes**

Safety and Occupational Health  
Specialist

*Chief Financial Officer and Assistant  
Secretary for Administration*

The group is honored for implementing stringent screening standards for mail deliveries in response to the discovery of anthrax contaminated mail at the Department's primary mail handling facility at the Brentwood Post Office. The Department was one of the first Federal agencies to react and implement a plan of action to ensure the safety of its employees and contractors. The team worked with contract personnel to develop alternatives for mail handling at the Herbert C. Hoover Building (HCHB). The team also developed a plan to provide a containment facility for screening and testing of all mail entering the HCHB. The team worked to identify the best possible solutions for the health and safety of employees.

## BUREAU OF INDUSTRY AND SECURITY



*Gold Medal*

### PERSONAL AND PROFESSIONAL EXCELLENCE

#### **John McKenna**

Special Agent-in-Charge

*Export Enforcement*

*Bureau of Industry and Security*

Mr. McKenna is honored for the investigation of McDonnell Douglas (MDC) and the China National Aero-Technology Import and Export Corporation (CATIC). Due to Mr. McKenna's efforts, a subsidiary of CATIC was prosecuted for making false statements in obtaining the export licenses and sentenced to pay a criminal fine of \$1 million, and to a five year period of corporate probation. In addition, a \$2,120,000 civil penalty was imposed against MDC. This widely-publicized case is significant because it was the first successful prosecution of a Chinese state-owned entity for violating U.S. export controls.

### PERSONAL AND PROFESSIONAL EXCELLENCE



*Silver Medal*

#### **Douglas Brown**

Microbiologist

#### **Scott Hubinger**

General Engineer

#### **Elizabeth Wadium**

Industrial Specialist

*Export Administration*

*Bureau of Industry and Security*

The group is recognized for efforts to strengthen U.S. and multilateral export controls on substances, equipment, and technology that terrorists could use to develop and deploy chemical and biological weapons. The team obtained support within the U.S. government to propose concrete technical and procedural initiatives to expand controls that members of the Australia Group (the multilateral export control regime of 33 member countries designed to stem the proliferation of chemical and biological weapons) could consider and ultimately adopt. Their vision, leadership, negotiating skills, and technical excellence helped to promote U.S. and international security policy in the aftermath of the September 11, 2001, terrorist attacks.

**Carol Bryant**

Supervisory Export Compliance  
Specialist

*Export Enforcement*

*Bureau of Industry and Security*

Ms. Bryant is recognized for management and re-engineering of the Bureau of Industry and Security's Visa Review Program. The Visa Review Program is designed to prevent foreign nationals in the United States from accessing sensitive technology that could be used to develop weapons of mass destruction or to support acts of terrorism. Ms. Bryant revamped the Visa Review Program, developing new criteria and thresholds for evaluating incoming visa applications for targeting purposes. In the aftermath of the September 11, 2001, terrorist attacks, this program has taken on a heightened significance in support of U.S. homeland security efforts.

**John S. Larkin II**

Criminal Investigator

*Export Enforcement*

*Bureau of Industry and Security*

Special Agent Larkin is honored for the successful investigation and prosecution of BS&B Process Systems and Black, Sivalls & Bryson (UK) Ltd. The investigation was based on information he received that indicated Process Systems, and other affiliated companies, were exporting goods to their overseas affiliates and hiding the true end-user and end-use for the goods. These companies pled guilty to charges of exporting oil field processing equipment to Iran and received criminal and administrative fines totaling \$1 million. His efforts were instrumental in helping to deter nations from supporting international terrorism and seeking to develop weapons of mass destruction.

**Richard Modesette**

Criminal Investigator

*Export Enforcement*

*Bureau of Industry and Security*

Senior Special Agent Modesette is honored for the successful investigation and prosecution of Thane-Coat, Incorporated. The company pled guilty to exporting concrete pipe coating materials and related supplies valued at almost \$28 million to Libya. This prosecution resulted in a \$1.2 million fine and denial of export privileges for 25 years and three years probation for Thane-Coat and its two senior executive officers. The successful investigation and prosecution of Thane-Coat is an example of the Bureau of Industry and Security's core mission to enforce the U.S. export control laws and to deter nations, such as Libya, from supporting international terrorism and seeking to develop weapons of mass destruction and support.

## CHIEF INFORMATION OFFICER



*Silver Medal*

### LEADERSHIP

**Ira M. Grossman**

General Engineer

*Office of the Chief Information Officer*

*National Oceanic and Atmospheric  
Administration*

Mr. Grossman is recognized for the creation and implementation of the Department's highly successful IT Architecture Program. The IT Architecture Program makes possible interoperability and portability of IT systems across the entire Department, integration of work processes and information flows, and information exchange and resource sharing to achieve Commerce strategic goals. He has been able to integrate the IT Architecture Program with the Strategic IT Planning and Investment Review processes and with the Department's IT Security Programs as a strategic element of the larger IT management process. Because of his effective leadership, the Department is now in a better position to plan and implement effective IT systems.

## ECONOMIC DEVELOPMENT ADMINISTRATION



*Gold Medal*

### PERSONAL AND PROFESSIONAL EXCELLENCE

**Lewis R. Podolske**

Director, Program Operations

*Office of the Assistant Secretary*

*Economic Development  
Administration*

Mr. Podolske is recognized for his leadership in response to the September 11, 2001, terrorist attacks. Immediately following the disaster, Mr. Podolske coordinated the collection and analysis of available information that painted the earliest pictures of the tremendous extent of physical infrastructure loss and long-term economic implications for New York City and the Nation. He helped compile an exhaustive review of all Federal programs that could potentially be employed in recovery efforts, which became the central discussion materials for the New York Recovery Task Force. His efforts enabled the Department to exercise a leadership role in the development of national policies and procedures that guided the Federal response efforts for this unprecedented disaster.



## *Silver Medal*

### **PERSONAL AND PROFESSIONAL EXCELLENCE**

**David F. Witschi**

*Director, Economic Adjustment  
Division*

*Office of the Assistant Secretary  
Economic Development  
Administration*

Mr. Witschi is recognized for developing critical elements of the Federal Government's economic recovery response to the September 11, 2001, terrorist attacks. He was involved in high-level efforts that ultimately led to the use of Housing and Urban Development Community Development Block Grants to funnel Federal aid to New York. He was instrumental in expediting the processing of the initial grant to New York, a \$1 million economic adjustment grant, to help the City formulate a revitalization plan. In addition, he developed a grant to be shared among multiple counties in Northern Virginia to assist in development of a coordinated tourism strategy.

### **ECONOMICS AND STATISTICS ADMINISTRATION**



## *Gold Medal*

### **ADMINISTRATIVE/ TECHNICAL SUPPORT**

**Thomas W. Gramlich**

Assistant Division Chief  
for Operations

**Melody A. Chang**

Information Technology Specialist

**Geofrey Pejsa**

Supervisory Personnel  
Management Specialist

*Bureau of the Census*

*Economics and Statistics  
Administration*

The group is honored for pioneering work and creative contributions toward the automation of Human Resources (HR) programs. These programs include the Census Human Resources Information System, Census Awards and Recognition System, and HR Vision. These highly complex, innovative, and interactive web-based tools have significantly improved the dissemination of HR data as well as improved the efficiency of processing and paying of awards. Their HR automation efforts are on target with President Bush's initiatives to expand the electronic government and provide timely information to customers.



## LEADERSHIP

### Gerard J. Horner

Supervisory Survey Statistician

*Bureau of the Census*

*Economics and Statistics  
Administration*

Mr. Horner is honored for working with U.S. Customs and the export trade community to implement the Automated Export System (AES) and Census' Internet application, AESDirect. AES and AESDirect are the government's e-business solutions for the collection of export information. At this time there are over 6,000 U.S. exporting businesses using AES and AESDirect. These companies are filing over 1.5 million records a month electronically, which accounts for over 80 percent of the export data filed by shippers for inclusion in the trade statistics.

### Jane H. Ingold

Supervisory Survey Statistician

*Bureau of the Census*

*Economics and Statistics  
Administration*

Ms. Ingold is cited for guiding the development and integration of requirements for the various components of the Census 2000 data products program and coordinating the production and dissemination of the census data. Most notable is her leadership of several inter-divisional teams tasked with overall implementation of the Census 2000 data products program. She has an ability to seize the momentum of broad-based public interest among census data users and channel that into clearly articulated program objectives.

### Gerard T. Keffer

Supervisory Survey Statistician

*Bureau of the Census*

*Economics and Statistics  
Administration*

Mr. Keffer is recognized for management of the Federal Audit Clearinghouse and Consolidated Federal Funds Report programs. The Clearinghouse is the central collection point for legislatively mandated annual reporting of over thirty thousand financial audits from state and local government agencies and nonprofit organizations. It provides this service to Executive Branch departments and agencies. Mr. Keffer has raised the quality and value of these programs that are highly visible to Congress, the Office of Management and Budget, the General Accounting Office, many other Federal Agencies, State and local governments as well as professional organizations and academic institutions.

### Ann M. Lawson

### Mark A. Planting

Supervisory Economists

### Robert E. Yuskavage

Economist

### Sumiye Okubo

Associate Director for  
Industry Accounts

*Bureau of Economic Analysis*

*Economics and Statistics  
Administration*

This group is cited for improving the relevance, accuracy, and timeliness of data on the Nation's industry accounts and improving government's ability to understand, support, and sustain growth in the new economy. They transformed a group of inaccurate and out-of-date accounts into a set of accounts that is the baseline for U.S. and international analyses of the new

economy. These key statistics are critical to Federal tax and spending projections, monetary policy, and the allocation of over \$120 billion in Federal funds to state and local governments.

**Donna B. McCutcheon**  
Supervisory Survey Statistician

*Bureau of the Census  
Economics and Statistics  
Administration*

Ms. McCutcheon is recognized for conducting the Medical Expenditure Panel Survey - Insurance Component, establishing a cost-effective collection and processing infrastructure for this program. The program is designed to collect information about health insurance plans offered by private and public sector employers to their employees. The survey provides data for numbers and types of health plans, benefit characteristics, premiums, eligibility requirements, and employer characteristics. She expanded the products produced from the program without compromising the quality or timeliness of the data.

## PERSONAL AND PROFESSIONAL EXCELLENCE

**John F. Long**  
Chief, Population Division

**Michael J. Batutis, Jr.**  
Statistician

**James C. Gibbs**  
**J. Gregory Robinson**  
**Signe I. Wetrogan**  
**Lisa M. Blumerman**  
**Kevin E. Deardorff**  
Supervisory Statisticians

*Bureau of the Census  
Economics and Statistics  
Administration*

This group is cited for the development, planning, and oversight of an innovative, multi-faceted project to evaluate the quality of Census 2000 data. The process produced in-depth evaluations of the differences in population growth indicated by demographic analysis and statistical coverage estimates. The project examined the components of population change including unauthorized and legal migration, births, and deaths. The resulting re-calibrated demographic analysis showed that Census 2000 had almost complete coverage contributing to the decision not to adjust.

**Jane W. Molloy**  
Director, Office of Policy Analysis

*Office of Policy Development  
Economics and Statistics  
Administration*

Ms. Molloy is recognized for leading efforts to analyze steel legacy cost programs and their impact on industry consolidation activity. She coordinated the assessment of the economic impact of alternative steel remedies, and led staff participation in the formulation of the Administration's recently-announced 401(k) pension reform initiative. Her efforts have had a profound impact on the Department's strategic goals, particularly on the Department's objective of providing sound information for effective decision-making and of promoting enhanced U. S. competitiveness.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

**Richard S. Sigman**  
Mathematical Statistician

*Bureau of the Census  
Economics and Statistics  
Administration*

Mr. Sigman is honored for contributions in the statistical design and analysis of the Census Bureau's economic censuses and current surveys. His improvements to the surveys and their documentation in many papers and presentations have enhanced the international reputation of the Department. His accomplishments have improved the quality and accuracy of these economic programs and have gained him recognition as a leading statistical authority on surveys in the United States and abroad.

## **INTERNATIONAL TRADE ADMINISTRATION**



*Gold Medal*

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

### **Import Administration**

**Office of Chief Counsel for Import  
Administration**

*Import Administration*

*International Trade Administration*

The Softwood Lumber Investigations Team is cited for conducting antidumping and countervailing duty (CVD) investigations involving softwood lumber from Canada. The team did an exceptional job at completing two of the most complex investigations ever conducted by the Department while at the same time conducting comprehensive negotiations to bring resolution to a major trade dispute between the U.S. and Canada, and responding to a significant WTO challenge brought by Canada concerning the nature and substance of the CVD investigation.

**John T. Lancia**  
Commercial Officer

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

Mr. Lancia is honored for assistance to the U.S. aircraft engine industry in securing a historic \$3.8 billion aircraft engine sale to Emirates Airline in the United Arab Emirates. Mr. Lancia's professionally led, highly focused advocacy campaign, in conjunction with his picture-perfect coordination and utilization of resources throughout the Department and the U.S. Government, were instrumental in turning around a contract thought to have less than a ten percent chance for American interests. Aviation watchers have termed this victory one of the industry's biggest upsets in years. This export success will create 45,000 highly paid American jobs.



*Silver Medal*

## **LEADERSHIP**

**Trade Promotion Coordinating Committee**

**Trade Development**

**U.S. & Foreign Commercial Service**

*International Trade Administration*

The team is recognized for leadership and vision in producing the annual 2002 National Export Strategy Report to Congress. Implementing the National Export Strategy is a key objective of the Department's Strategic Plan, as is promoting exports by small and medium-sized exporters. The recommendations in this report re-established the Department's leadership role on trade promotion by developing initiatives that improve customer service and leverage resources across agencies, resulting in new export opportunities for large and small U.S. companies.

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

### **Import Administration**

#### **Office of Chief Counsel for Import Administration**

##### *International Trade Administration*

The Uranium Investigations Team is recognized for conducting antidumping and countervailing duty investigations involving low enriched uranium from France, Germany, the Netherlands and the United Kingdom. These cases highlighted the conflicting interests of the domestic energy sector and the multinational implications for energy trade.

Because the allegations were directed towards four of its member states, the European Union followed these cases closely. These cases brought with them a host of unique technical and legal issues not previously addressed by the Department. The overall complexity of these cases caused each and every team member to think outside the box to come up with a unique solution.

## **NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**



*Gold Medal*

### **LEADERSHIP**

**Roy W. Anderson**  
Geodetic Technician

**Michael L. Aslaksen, Jr.**  
**Jason Wyatt Woolard**  
Cartographers

**Edward E. Carlson**  
Geodesist

**Stephen A. Nicklas**  
Photographer, Aerial

**William B. Kearse**  
Airborne Technology Integration  
Program Manager

**Jonathan W. Bailey**  
Chief, Remote Sensing Division

**Michael S. Weaver**  
Chief, AOC Remote Sensing  
Flight Program

**William R. Odell**  
AOC Aviator, Remote Sensing  
Flight Program

##### *National Ocean Service*

##### *National Oceanic and Atmospheric Administration*

The group is honored for mapping the wreckage sites of the World Trade Center and the Pentagon following the September 11, 2001, terrorist attacks. They set up Global Positioning System ground receivers at numerous points throughout the destruction area to locate underground utilities and pre-existing exit routes in the collapsed World Trade Center and to better position cranes for the removal of the massive amount of debris at Ground Zero. This highly-sensitive, emotionally-charged, and unprecedented assignment demanded an extremely motivated and flexible team able to exhibit great personal commitment under extremely stressful conditions.

**Michael B. Brown**

Physical Scientist

**Marc E. Higgins**

Information Technology Specialist

**David R. Myers**

Supervisory Cartographer

**David MacFarland**

Director, Office of Coast Survey

**Nicholas E. Perugini**

Chief, Marine Chart Division

*National Ocean Service*

*National Oceanic and  
Atmospheric Administration*

The group is recognized for developing and implementing the Electronic Navigational Chart (ENC) program at NOAA. The ENC is a digital, geo-referenced database of all charted objects and their attributes. They are specially prepared for use in computer-based marine navigation systems. They adhere exactly to rigorous international standards that run to thousands of pages and took 10 years to write. These digital charts will provide a quantum improvement in the safety and efficiency of marine navigation. Every maritime nation is obligated by treaty to produce ENCs for its waters.

**Direct Services Division**

SARSAT Team

**International and Interagency**

Affairs Office

*National Environmental Satellite,  
Data, and Information Service*

*National Oceanic and  
Atmospheric Administration*

The team is cited for leading the effort to improve the effectiveness of the worldwide Search and Rescue (SAR) operations. They added the services of Geostationary Operational Environmental Satellites (GOES) to the international Cospas-Sarsat system and initiated and influenced the ratification of a plan to replace 121.5 MHz emergency beacon satellite alerting with newer 406 MHz digital technology. The addition of geostationary satellites equipped with SAR instruments has significantly improved the Nation's capability to successfully search for and rescue mariners, aviators and hikers in distress.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

### **Daniel L. Albritton**

Director, Aeronomy Laboratory

### **Edward J. Dlugokencky**

Research Chemist

### **Daniel M. Murphy**

Physicist

### **Venkatachalam Ramaswamy**

Senior Scientist, Geophysical Fluid Dynamics Laboratory

### **Susan Solomon**

Senior Scientist, Aeronomy Laboratory

### **Ronald J. Stouffer**

Meteorologist

*Office of Oceanic and Atmospheric Research*

### **Thomas Karl**

Director, National Climatic Data Center

*National Environmental Satellite, Data, and Information Service*

*National Oceanic and Atmospheric Administration*

The group is honored for authoring a report entitled *The Intergovernmental Panel on Climate Change's Climate Change 2001: The Scientific Basis*. They led teams of scientists from around the world to craft the most comprehensive and influential assessment of the science of climate change ever produced. The chapters were subjected to extensive review by 21 review editors and 300 expert reviewers with more than 100 governments participating in the review process. The report provides a definitive evaluation of the current scientific knowledge concerning global climate change.

**Margarita Gregg**

**Timothy Boyer**

**Todd O'Brien**

Oceanographers

**Catherine Stephens**

Physical Scientist

**Daphne Johnson**

Computer Specialist

**Sydney Levitus**

Chief, Ocean Climate Laboratory

*National Environmental Satellite, Data, and Information Service*

*National Oceanic and Atmospheric Administration*

The team is recognized for unprecedented compilation of historical oceanographic observations leading to the publication of the World Ocean Database 1998 and accompanying atlas. Using these data, the team conducted an internationally acclaimed ocean-climate analysis that confirmed for the first time that a net warming of the ocean has occurred over the past 50 years and that large-scale coherent oceanographic patterns exist in this warming. These accomplishments increase the likelihood that accurate, decadal scale, climate forecasts will become a reality.

**Dale Squires**

Industrial Economist

*National Marine Fisheries Service*

*National Oceanic and  
Atmospheric Administration*

Dr. Squires is cited for establishing unprecedented methods to systematically plan and evaluate reductions in fishing capacity. Excess fishing capacity wastes billions of dollars in economic growth, thousands of jobs, and countless recreational opportunities. Dr. Squires' approach incorporated natural resource stock data and socio-economic indicators, including: multiple species, behavioral objectives of commercial entities, the relationship between fishing effort and fishing capacity, and the impacts of quotas on capacity utilization.

**HEROISM****Scott Doyle**

Supervisory Criminal Investigator

**Sara Block**

**James Cassin, Jr.**

**Christopher Musto**

**Steven Niemi**

**Jeffrey Ray**

Criminal Investigators

*National Marine Fisheries Service*

*National Oceanic and  
Atmospheric Administration*

This group is honored for courageous and self-sacrificing acts assisting in the bucket brigades at the World Trade Center site following the September 11, 2001, terrorist attacks. The group worked endless hours moving debris and rubble, recovered victim's remains, and encountered dangerous, life threatening situations including unstable buildings and toxic smoke. As they sorted and sifted through rubble for days, they found small pieces of aircraft and the remnants of passports and other minute evidence that facilitated the rescue and recovery efforts. Their dedication and compassion in the face of great sorrow and uncertainty exemplifies true American heroes.

**Michael L. Gill**  
**Richard N. Fallin**  
Electronic Technicians

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

The group is recognized for saving the life of a pilot who was trapped in an overturned plane leaking fuel. While performing maintenance at the airport in Russell, Kansas, they witnessed an aircraft accident. They ran to the aircraft, which was upside down on the runway, with the pilot strapped to his seat unable to free himself. With fuel leaking from the aircraft and a hot engine, the potential for fire was high. Unable to open the pilot's door, they went through the passenger side to free the pilot from his seat and remove him from the plane. They placed their own safety, and possibly their lives, in jeopardy saving the endangered pilot.

**Donald A. King**  
**Andrew P. Justis**  
Electronic Technicians

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

The group is honored for providing life-saving assistance to a man who flipped an all terrain vehicle and hit a tree in a remote area of the Coconino National Forest near Flagstaff, Arizona. They provided emergency first aid to minimize profuse bleeding to his injured arm. They transported the injured person from the remote location to a country store while attending to his injuries enroute. Their quick response, coordination of the ambulance, and transportation of him out of the forest were instrumental in saving his life.

**WFO Houston/Galveston, Texas**

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

The NWS Forecast Office, Houston/Galveston is cited for providing critical life-saving information during catastrophic flooding in Houston, Texas, from June 8-10, 2001. As of 5:10 P.M. on June 8th, less than two inches of rain had fallen anywhere in Houston and no flooding was reported. Within 12 hours, urban flooding began ultimately causing the flooding of over 59,000 homes, 95,000 cars, and the catastrophic flooding of the Texas Medical Center. Although over two million people were impacted by the flooding, the early and accurate forecasts issued by WFO Houston/Galveston limited the loss of life in the area.

**WFO Upton, New York**

**WFO Sterling, Virginia**

*National Weather Service*

*National Oceanic and  
Atmospheric Administration*

The NWS Forecast Offices, Upton, New York and Sterling, Virginia are recognized for their support to emergency management following the September 11, 2001, terrorist attacks. Immediately after the crashes of the hijacked airlines at the World Trade Center, Pentagon, and western Pennsylvania, emergency management officials initiated search and rescue efforts. Weather information was critical to the safety of rescuers and played an important role in the decision-making process. Their efforts in providing critical weather support helped keep workers safe and facilitate rescue and recovery efforts.



## Silver Medal

### LEADERSHIP

#### Guy Noll

Chief, Hydrographic Systems and Technology Programs

*Office of Marine and Aviation Operations*

*National Oceanic and Atmospheric Administration*

Lieutenant Commander Noll is cited for improvements in processing hydrographic data, their timely incorporation into NOAA's nautical products, and the technology transfer of new techniques and software to the private sector. Charting the 95,000 miles of coastline and updating the bathymetry along that coastline, including over 120 ports, is a huge undertaking but one that is critical to the U.S. economy, protection of the environment, and homeland security. Under his leadership, the production of accurate products from hydrographic surveys was reduced from five hours to one and one-half hours.

### PERSONAL AND PROFESSIONAL EXCELLENCE

#### Douglas DeMaster

Science and Research Director, Alaska Region

#### Shane Capron

Fishery Biologist Management

#### Susan Salveson

Fishery Management Officer

*National Marine Fisheries Service*

#### Lauren M. Smoker

Attorney Advisor

*Office of the General Counsel*

*National Marine Fisheries Service*

*National Oceanic and*

*Atmospheric Administration*

The team is recognized for streamlining the Federal regulatory processes to recover Steller sea lions while minimizing the impact on commercial fisheries. Working with the North Pacific Fishery Management Council, this team developed an innovative approach, integrating public input, to protect and recover the endangered Steller sea lion population while enabling commercial fishing to continue with minimal impact. Praised by the Council, fishermen, and industry representatives, this approach is being implemented nationwide by the National Marine Fisheries Service.

**Paul Raymond**  
Supervisory Criminal Investigator

**Gregg Houghaboom**  
**Monica Hamm**  
Criminal Investigators

*National Marine Fisheries Service*

*National Oceanic and  
Atmospheric Administration*

The group is cited for apprehending criminals involved in an international conspiracy to promote the illegal harvest, transportation, and sale of Honduran spiny lobsters in the U.S. Honduran spiny lobsters are in danger of being exploited to the point of being over-fished. In investigating this case, the agents worked closely with the Government of Honduras and other Federal agencies investigating foreign fishing companies as a source of drug smuggling in the Caribbean. Four conspirators were indicted and arrested on 102 counts involving smuggling, money laundering, conspiracy, and obstruction.

protecting the lives and property of countless Americans.

**Randall M. Dole**  
Supervisory Meteorologist

*Office of Oceanic and  
Atmospheric Research*

*National Oceanic and  
Atmospheric Administration*

Dr. Dole is cited for developing the Climate Diagnostics Center (CDC) into a widely recognized and well-respected national resource for climate research. He cultivated a culture of scientific creativity and competence within the organization that has yielded remarkable results. Through a partnership with the University of Colorado, he positioned the CDC to respond rapidly to the needs of the U.S. public and policymakers to help them understand and anticipate how climate variability can affect our lives, our property, and our Nation's strategic and economic goals.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

**Harold E. Brooks**  
Meteorologist

*Office of Oceanic and  
Atmospheric Research*

*National Oceanic and  
Atmospheric Administration*

Dr. Brooks is recognized for the development of the first highly accurate and accessible estimates of threats from tornadoes, windstorms, and large hail anywhere in the U.S. This information's availability in user-friendly formats on the World Wide Web has resulted in widespread use by NOAA, industry, and the public and has improved the information content in forecasts issued by the National Weather Service's Storm Prediction Center. Through his work, Dr. Brooks has made a significant contribution to

**National Centers for Environmental  
Prediction, Environmental  
Modeling Center**

*National Oceanic and Atmospheric  
Administration*

The National Centers for Environmental Prediction (NCEP), Environmental Modeling Center is cited for developing and implementing improved numerical forecast systems for global and North American weather and ocean waves. These numerical systems provided breakthroughs in forecast guidance quality for NWS forecasters. Upgrades to NCEPs Eta forecast system contributed to critical forecasts for the 2002 Olympics and formed the basis for record-breaking precipitation forecast scores by NCEPs Hydrometeorological Prediction Center.

**Thomas B. Ryerson**  
Research Chemist

*Office of Oceanic and  
Atmospheric Research*

*National Oceanic and  
Atmospheric Administration*

Dr. Ryerson is cited for groundbreaking research that has resulted in a new scientific understanding of how the chemistry of the atmosphere is affected by power-generating plants and petrochemical facilities. His results represent not only a series of scientific "firsts," but also a timely achievement that aids U.S. industry and government in their efforts to identify the best options for meeting future energy needs and for improving the Nation's air quality.

## **HEROISM**

**Office for Law Enforcement**

*National Marine Fisheries Service*  
*National Oceanic and  
Atmospheric Administration*

The Office for Law Enforcement (OLE) is cited for providing Air Marshal patrols and border, airport, and ship port security in the aftermath of the September 11, 2001, terrorist attacks. Immediately following the terrorist attacks, OLE Agents were mobilized to support investigations into the attacks. They worked 12 to 15 hours a day, seven days a week pursuing leads, interviewing the family members of the victims, speaking with friends and acquaintances of the terrorists, and participating in the execution of search warrants. Their efforts were invaluable in securing the American homeland.

## **NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION**



*Gold Medal*

### **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

**Robert J. Achatz**  
**Brent L. Bedford**  
**Michael G. Cotton**  
**Roger A. Dalke**  
**J. Randall Hoffman**  
**William A. Kissick**  
**Robert J. Matheson**  
**Frank H. Sanders**  
Electronics Engineers

**Richard N. Statz**  
Computer Scientist

*Institute for  
Telecommunication Sciences*

**William M. Doolan**  
**Robert L. Sole**  
**Mark A. Settle**  
Electronics Engineers

**Joseph P. Camacho**  
**Edward F. Drocella Jr.**  
Telecommunications Specialists

**Paul C. Roosa Jr.**  
Spectrum Policies Program Manager

*Office of Spectrum Management*  
*National Telecommunications and  
Information Administration*

The group is cited for completing two significant radio research projects in an extraordinarily short time and developing policy, rules and regulations for ultrawideband (UWB) systems. One project characterized UWB signals and provided the first accurate measurements as well as detailed procedures for others. The second project assessed the effects of various UWB signals on Global Positioning System (GPS) receivers and other Federal systems. This work

is the cornerstone of national spectrum policy for UWB systems, the greatest challenge to radio spectrum sharing in many decades.

## OFFICE OF INSPECTOR GENERAL



*Silver Medal*

### LEADERSHIP

**Allen Crawley, Jr.**  
Supervisory Computer Scientist

*Office of Systems Evaluation  
Office of Inspector General*

Mr. Crawley is recognized for his key role in establishing OIG's information security evaluation capacity, which has greatly enhanced the Department's efforts to protect its many critical information assets. Because of Mr. Crawley's technical expertise and foresight, OIG has successfully implemented an evaluation protocol to identify and offer solutions to information security issues. His management expertise enabled the staffing of this program with outstanding talent, much of it nurtured from in-house resources, despite budgetary constraints.

### HEROISM

**Kenneth Clair**  
Criminal Investigator

*Office of Investigations  
Office of Inspector General*

Special Agent Clair is honored for contributions to public safety while serving as a Federal Air Marshal (FAM) with the Federal Aviation Administration (FAA). Shortly after the tragic events of September 11, 2001, the FAA requested special agents from the Federal law enforcement community for detail assignments to the FAM program. On extremely short notice, Special Agent Clair attended an intense FAA training course. Upon completion of the course, he was

assigned to the FAM program, where he made numerous personal and professional sacrifices to protect the citizens of the United States.

## PATENT AND TRADEMARK OFFICE



*Silver Medal*

## ORGANIZATIONAL DEVELOPMENT

### Bo Bounkong

Director, Office of Patent Planning  
and Capacity Analysis

*Commissioner for Patents*

*Patent and Trademark Office*

Ms. Bounkong is recognized for leadership in planning, developing, and executing projects and programs to support Patent and Trademark Office goals. She has championed multiple critical patent organizational initiatives including pilot implementation of re-engineering concepts, formulation of Patents 2002-2006 Strategic Plan, development of performance goals, and transitioning over 100 employees to other positions due to functions being outsourced. Her dedication to projects has had a major influence upon operations across the entire Patent organization.

## ADMINISTRATIVE/ TECHNICAL SUPPORT

### John D. Hassett

Director, Office of Administrative Services

### Calib P. Garland, Jr.

Security Director

### Kevin A. Lewis

Security Specialist

*Chief Financial Officer and  
Chief Administrative Officer*

*Patent and Trademark Office*

The group is recognized for its contributions in the aftermath of the events of September 11, 2001, and the anthrax scares that followed shortly afterwards. Their efforts had a profound impact on operations and reduced the anxiety level of all personnel, ensuring the USPTO could continue to deliver high quality services efficiently and effectively to the public. They swiftly applied countermeasures and sound judgment to the resolution of a wide variety of one-of-a-kind issues, thereby protecting and caring for USPTO employees by providing a safe and secure place to work.

## TECHNOLOGY ADMINISTRATION



*Gold Medal*

### LEADERSHIP

#### John A. Dagata

Research Chemist

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Dagata is honored for extraordinary work which has advanced scanned probe microscopy as a research tool for measurement science, nanoscale fabrication, and in-situ characterization for advanced manufacturing of ultra-small features. A groundbreaking lithographic technique pioneered by Dr. Dagata, scanned probe oxidation, has been implemented at research institutions worldwide for the fabrication of sub-50 nm quantum electronic devices, e.g., a room temperature single-electron memory circuit.

#### Alim A. Fatah

Physical Scientist

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Fatah is recognized for leadership and foresight in establishing the Critical Incident Technologies program at NIST to address the Nation's need for a suite of Chemical, Biological, Radiological, Nuclear and Explosives (CBRNE) protective equipment standards, and for positioning the government to respond when the need was most urgent. Dr. Fatah's program has created much-needed standards and guides to enable state and local first responders to accelerate upgrading their capabilities to respond safely and effectively to terrorism and other incidents involving possible CBRNE threats.

#### Katharine B. Gebbie

Director, Physics Laboratory

#### William R. Ott

Deputy Director, Physics Laboratory

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is honored for leadership of the NIST Physics Laboratory and for pioneering programs that have changed the culture of NIST. The highlight of Dr. Gebbie's and Dr. Ott's leadership was the awarding of two Nobel Prizes to NIST Physics Laboratory staff: the 1997 prize to Dr. William Phillips, for the development of laser cooling; and the 2001 prize to Dr. Eric Cornell, for the attainment of Bose-Einstein condensation. Through their vision and support, unprecedented accomplishments in scientific discoveries have been accomplished, resulting in international recognition for the Laboratory, the Institute, the Department of Commerce, and the Nation.

**Leslie E. Smith**

Director, Materials Science and  
Engineering Laboratory

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Smith is recognized for leadership of the Materials Science and Engineering Laboratory's Center for Neutron Research and its position and recognition as the premier neutron research laboratory in the United States and as the leading research facility of its kind in the world. Through his visionary efforts to expand the use and availability of the facility to the U.S. scientific community, he has created an unprecedented collaborative environment for furthering scientific discoveries in atomic measurement science critical to major segments of American industries.

**Jorge R. Urrutia**

Director for Administration and  
Chief Financial Officer

*National Institute of Standards  
and Technology*  
*Technology Administration*

Mr. Urrutia is recognized for leadership in exceeding the socio-economic goals for contracting at NIST. Through the first year of construction of the Advanced Measurement Laboratory, NIST has met the small business-subcontracting goal of 50 percent, representing almost \$70 million. Mr. Urrutia has shown extraordinary vision and leadership that has enabled NIST and the Department to exemplify how our government can merge complex construction, great science, and economic opportunity into one project for the benefit of our citizens.

**SCIENTIFIC/ENGINEERING  
ACHIEVEMENT****Samuel P. Benz**

Physicist

**Charles J. Burroughs**  
Electronics Engineer

*National Institute of Standards  
and Technology*  
*Technology Administration*

The group is recognized for developing a quantum-based dc voltage reference system that is now being applied to improve the accuracy and reliability of NIST's fundamental electrical measurement systems, upon which all U.S. electrical measurements are based. This standard surpasses existing voltage systems in stability, automation, and flexibility. Several countries have requested the system, and it is being integrated into advanced experiments such as NIST's hallmark Electronic Kilogram experiment aimed at redefining the standard unit of mass with quantum-based measurements.

**Bert M. Coursey**

Supervisory Research Chemist

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Coursey is recognized for leadership in helping solve the problem of anthrax-contaminated mail, improve the detection of nuclear and radiological threats, and protect first responders and the American public from terrorist attacks. As an expert in radiation measurement technology, he worked with the U.S. Postal Service, the Armed Forces Radiobiology Research Institute, and industry to develop a system for sterilizing more than 20 million letters and 200,000 parcels, and is leading the development of a national measurement system for combating nuclear smuggling and radiological threats.

**David F. Ferraiolo**  
**John F. Barkley Jr.**  
Supervisory Computer Scientists

**David R. Kuhn**  
Computer Scientist

*National Institute of Standards  
and Technology*

*Technology Administration*

The researchers are recognized for creating and transferring to industry an advanced Role-Based Access Control (RBAC) technology now being used to secure the Nation's critical infrastructures. RBAC supports the security of IT applications as diverse as health care, defense, and e-government/commerce. Their technical acumen and successful technology transfer saved private industry \$295 million, accelerated deployment by one year, brought an essential security capability to the marketplace, and enhanced the Department's reputation as a world leader in developing advanced IT security solutions.



*Silver Medal*

## LEADERSHIP

**Eric J. Amis**  
Supervisory Physical Scientist

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Amis is honored for leadership in advancing new technical programs of vital importance to NIST's customers and to the economy. He recognized the growing use of combinatorial methods throughout industry, and led the effort to establish programs serving these needs, including the launching of a consortium. In addition, he was responsible for the development of a program to respond to the needs of the emerging tissue engineering industry, which shows the potential for explosive growth in the coming years.

**William M. Haynes**  
Supervisory Physicist

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Haynes is recognized for leadership of the Physical and Chemical Properties Division of Chemical Science and Technology Laboratory which has resulted in a superb technical program, effective resource management, and establishment of technical programs of direct industrial impact. Through these efforts, Dr. Haynes has assured access for U.S. industry to high quality evaluated properties data that are critical for innovation and design of chemical, semiconductor and other manufacturing processes.

**Barry I. Diamondstone**  
Supervisory Physical Scientist

*National Institute of Standards  
and Technology*  
*Technology Administration*

Mr. Diamondstone is recognized for leadership and emphasis on continuous quality improvement in his role as Deputy Director of the Baldrige National Quality Program. He leads the operations of the Program and has been instrumental in the transition to a team-based structure with a culture of continuous learning. As developed and managed by Mr. Diamondstone, this structure maximizes the productivity and customer focus of the organization while enhancing individual contributions.

**Gary L. Gilliland**  
Supervisory Research Chemist

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Gilliland is recognized for establishment of the Protein Data Bank as a unique international repository for structural data on biological macromolecules. Dr. Gilliland was responsible for NIST partnering with Rutgers University of New Jersey and the University of California, San Diego, to create the Research Collaboratory for Structural Bioinformatics (RCSB). The vision of Dr. Gilliland and the RCSB was to create a resource based on the most modern technology that would facilitate the use and analysis of structural data and thus create an enabling resource for biological research.

**William F. Koch**  
Deputy Director, Chemical Science  
and Technology Laboratory

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Koch is recognized for his key role in the development of an effective program planning process and establishing the Chemical Science and Technology Laboratory (CSTL) as a high-impact, high-efficiency, world class laboratory within NIST. In addition, he coordinated CSTL interactions with U.S. industry, other government agencies, professional and trade groups, and international standards setting bodies, to ensure effective assessment of measurement and standards needs of U.S. industry and to harmonize international standards.

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

**Paul N. Doremus**  
Political Economic Policy Analyst

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Doremus is recognized for his efforts in strategic planning and performance measurement for NIST and the Department. He has served as the lead in developing new methodologies and evaluation techniques to measure the performance of a scientific organization and the complexities associated with predicting and tracking scientific research performance.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

**John M. Butler**  
Research Chemist

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Butler is recognized for contributions to the field of rapid and accurate DNA typing for forensics and human identification, especially for his contributions and efforts in support of human identification in the wake of the terrorist attacks on the World Trade Center Towers and the Pentagon. Dr. Butler pioneered the development of capillary electrophoresis (CE) for analysis of DNA short tandem repeats (STRs) and was the first to demonstrate accurate STR typing with CE.

**John H. Burnett**  
**Eric L. Shirley**  
**Zachary H. Levine**  
Physicists

*National Institute of Standards  
and Technology*  
*Technology Administration*

The group is honored for having removed a major roadblock for the semiconductor industry on its path to faster and smaller microchips, by discovering a completely unanticipated property (birefringence) of critical optical materials planned for use in next-generation lithography. This effect was not accounted for in early engineering designs of lithography systems and, had it gone undiscovered, the performance of those systems would have been seriously compromised. The group played a critical role in helping industry find solutions to this problem.

**Michael Gaitan**  
Electrical Engineer

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Gaitan is recognized for spearheading the establishment of microelectromechanical systems (MEMS) metrology infrastructure at NIST, and for developing novel micro-system technologies that have led to ten patents and new commercial and military products. His work has provided industry with new sensors and unique structures which address the industry's measurement needs, such as test structures for mechanical strain. Dr. Gaitan pioneered and led MEMS research at NIST, and is widely recognized throughout the world as a pioneer, leader, and one of the early visionaries in the field.

## **ADMINISTRATIVE/TECHNICAL SUPPORT**

**William H. Twilley**  
Engineering Technician

*National Institute of Standards  
and Technology*  
*Technology Administration*

Mr. Twilley is honored for providing outstanding technical design, fabrication, and operational support in the full-scale oil/diesel fuel pool fire experiments. His contributions have caused the national response teams to incorporate in-situ burning as a tool to reduce the negative impact of oil spills on sensitive marine environments. His work assisted industry to develop improved fire resistant oil containment booms and better technology to monitor airborne smoke and particles.

## **EXTERNAL AWARDS**

### **ARTHUR S. FLEMMING AWARD**

#### **John H. Burnett**

Physicist

*National Institute of Standards  
and Technology  
Technology Administration*

Dr. Burnett was recognized for developing measurement systems and applying them to the design of advanced photolithography manufacturing tools for the microelectronics industry. He was the first to measure "intrinsic birefringence," an effect that had been neglected by industry leaders. This effect was sufficiently large that it would prevent the photolithography machines from focusing properly at the targeted, deep ultraviolet wavelength of 157 nm. By uncovering the problem early, and devising methods of overcoming it, he saved the industry a great deal of time and money.

#### **Leonard M. Hanssen**

Physicist

*National Institute of Standards  
and Technology  
Technology Administration*

Dr. Hanssen was recognized for developing and establishing innovative infrared technology to measure optical properties of materials. These achievements have established NIST as the world leader in infrared measurement science and standards and have played a critical role in the success of U.S. defense and remote-sensing satellite systems dependent on state-of-the-art infrared technology. This work relies heavily on new measurement technologies based on advances in the technique of Fourier transform spectroscopy that have profound impact on infrared

measurement science throughout the world.

#### **Kathleen M. Higgins**

Supervisory Physical Scientist

*National Institute of Standards  
and Technology  
Technology Administration*

Ms. Higgins was honored for revitalizing and expanding the NIST Office of Law Enforcement Standards (OLES) capabilities in research and development of measurement technology. Her efforts have enabled access by the criminal justice and public safety communities to new and improved equipment and technologies for greater effectiveness of policing throughout the Nation and the saving of lives. Over 2500 law enforcement officers' lives have been saved through wearing the body armor meeting the OLES-developed specifications.

#### **Steven L. Rolston**

Physicist

*National Institute of Standards  
and Technology  
Technology Administration*

Dr. Rolston was honored for leadership in the study of new physical phenomena related to ultra-cold atomic gases. Using laser cooling, he was the first to create ultra-cold neutral plasmas, a hitherto unexplored area of plasma physics. His work explained mysterious features of this unusual new state of matter. He has also been a pioneer in the study of Bose-Einstein condensates, demonstrating previously unobserved quantum phenomena, including dynamical tunneling. He has mentored many young physicists and, through outreach programs, brought the excitement of science to countless school children.

**Stanley R. Snouffer**  
Supervisory Mathematician

*National Institute of Standards  
and Technology*  
*Technology Administration*

Mr. Snouffer was honored for significantly advancing the state of cryptographic products through leadership of one of NIST's premier testing programs, the Cryptographic Module Validation Program (CMVP). Established by NIST and the Communications Security Establishment of the Government of Canada, the CMVP encompasses validation testing for cryptographic modules and algorithms that form the foundation of many of today's most complex and important security products. Without adequate testing, product weaknesses (e.g., poor design, weak algorithms, incorrect implementation) can unknowingly render systems and networks vulnerable to common hacker attacks and other insecurities. Under Mr. Snouffer's leadership, the CMVP has become a highly successful, internationally-recognized program.

## **WOMEN OF COLOR GOVERNMENT AND DEFENSE TECHNOLOGY AWARDS**

**Linda M. Cheatham**  
Chief Financial Officer and Director  
of Administration

*Office of Administration*  
*International Trade Administration*

Ms. Cheatham was recognized as a Technology All Star for her ability to effectively oversee and improve upon the International Trade Administration's Accounting, Human Resources, Audit, Finance, Performance Measures and Strategic Planning, and other administrative functions. She has introduced an environment of customer service initiatives, performance accountability and other management improvements. Under her leadership, ITA has received a "clean audit" for three straight years. As a champion of performance measures, she has engaged management in discussions and assigned ownership to all the measures.

**Melda Cabrera**  
Regional Director

*San Francisco Regional Office*  
*Minority Business  
Development Agency*

Ms. Cabrera was recognized as a Technology All Star for her active involvement in the development, design, training, and marketing of numerous MBDA initiatives, *i.e.*, Portal, E-Commerce Conference, Minority Equity Capital Access, Performance Database, Opportunity Database, and Content Management. She has ensured that staff, funded projects and the public gain full access to all the technology that her agency has developed and promoted. Over a period of twenty-six years, Ms. Cabrera has worked to further the interests and objectives of the Minority Business Development Agency.

**Mary Jin Kyung Choi**

Senior Advisor to the  
National Director

*Minority Business  
Development Agency*

Ms. Choi was recognized as a Technology All Star for enhancing business and economic opportunities in the minority community nationwide by promoting technology for domestic and global e-commerce. Ms. Choi manages the Agency's electronic business tools that match minority businesses with contracts and monitors the Business Development Centers to ensure that performance is consistent with the Department's objectives. Ms. Choi addresses major office programs and policy issues, she advises the National Director on the progress of operating programs, and recommends changes in program intent and operating procedures.

**Sunny L. Guider**

Chief, Business Development

*Atlanta Regional Office**Minority Business  
Development Agency*

Ms. Guider was honored as a Technology All Star for her ability to recognize and address the positive attributes of the MBDA Mission, Vision and Objectives in her daily activities. She is called upon to assist in technical matters and never fails to add significant contributions and meaningful comments. She has developed methods that allow the Atlanta Regional Office to move smoothly through otherwise difficult phases of the office's operation.

**Bernice V. Lane**

Chief, Business Development

*Chicago Regional Office**Minority Business  
Development Agency*

Ms. Lane was recognized as a Technology All Star for her outstanding efforts to assist minority businesses address their information technology and e-commerce needs by identifying and promoting the use of appropriate e-commerce programs offered through MBDA and other major sources. Through Ms. Lane's efforts MBDA has identified an e-Center for partnership that will train and provide minority business enterprises with the tools that will enable them to compete and have access to supply chains of corporations and Federal online procurement.

**Marisol Vigil**

Business Development Specialist

*New York Regional Office**Minority Business  
Development Agency*

Ms. Vigil was recognized as a Rising Star for her mastery of technical skills and thorough understanding of MBDA's mission. Her efforts have exerted a major positive influence on management practices, operating procedures, and program implementation. She has contributed substantially to the development of the region's marketing system, and the conceptualization, development, and implementation of MBDA's Minority Business Internet Portal. She has performed admirably in the multiple roles as Coordinator for MBDA's Regional Portal, Regional Geographic Information System, and Access to Capital.

**Maria E. Nadal**  
Research Chemist

*National Institute of Standards  
and Technology*  
*Technology Administration*

Dr. Nadal was recognized for Research Leadership for her important contributions to our knowledge of the optical properties of materials that are responsible for the color and appearance of objects. Dr. Nadal developed and championed innovative measurement techniques, instrumentation, and standards to characterize the appearance attributes of gloss and reflectance and the color of materials and their variation with viewing angle. Her research has applications varying from automobile paints and coatings to pigments used in currencies.

**Brenda C. Taylor**  
Information Technology Strategic  
Planning Officer

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

Ms. Taylor was recognized as a Technology All Star for her enthusiasm and leadership in Information Technology strategic planning. Her leadership was instrumental in implementing the Section 508, Accessibility of Electronic and Information Technology Standards at the National Weather Service. She also managed the development and deployment of the online Security Awareness Training web application at the Department of Agriculture, and led the design, development and implementation of the on-line Farm Bill application, which made the over 3500-page document available to the legislators electronically in real-time.

**Janice M. Sylvestre**  
Acting Chief, Hydrologic Science and  
Modeling Branch

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

Ms. Sylvestre was honored in the category of Lifetime Achievement. Ms. Sylvestre is a compassionate, productive, and highly effective manager. Her scientific contributions to river mechanics and computational hydraulics are remarkable and have produced better predictions for America's rivers and streams. Equally impressive, Ms. Sylvestre has collaborated with NOAA's Equal Employment Opportunity Office since the 1980's to obtain funding for more than 50 minority students to work within the Office of Hydrologic Development on a part-time basis while continuing their studies. Due to the demonstrable success of this program, National Weather Service researchers now actively lobby to recruit students for important projects.

## PRESIDENTIAL EARLY CAREER AWARDS FOR SCIENTISTS AND ENGINEERS

### Steven S. Brown

Research Scientist

*Office of Atmospheric Research*

*National Oceanic and Atmospheric Administration*

Dr. Brown was honored for pioneering the use of a new method to detect trace atmospheric constituents. Using the Acavity ring-down spectrometer, he measured previously inaccessible, short-lived and highly reactive chemicals in the atmosphere. Through subsequent innovations in the instrument design, Dr. Brown improved the sensitivity of the technique by over two orders of magnitude. This opened the door to the measurement of chemicals that are present in the atmosphere in very trace amounts (*e.g.*, the very first measurements of some key members of the nitrogen oxides family). His research directly addresses regional air quality, stratospheric ozone depletion, and climate alterations.

### Thomas M. Hamill

Research Scientist

*Office of Atmospheric Research*

*National Oceanic and Atmospheric Administration*

Dr. Hamill was honored for research in understanding what causes errors in weather forecasts. Previously, forecasters relied on one computer model to produce one best guess at tomorrow's weather. Under ensemble forecasting, several computer models are used to generate multiple possible forecasts. This technique is useful for estimating the uncertainty in the forecast. Dr. Hamill's research focuses on new ways of comparing and combining the models to make more likely weather forecasts. Ensemble prediction offers the best hope to improve the accuracy of extended weather forecasts (7-14 days) and short-range climate forecasts (14 -30 days).

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

*Special thanks to:*

Office of Human Resources Management and Incentive Awards Staff

**Priscilla Bailey**

**Michael R. Osver**

Incentive Awards Program Officers of the Department:

**Claudia Thornburg --- Census**

**Jennifer McDaniel - Census**

**Charlene Gantt --- ITA**

**Marcia Robertson --- NIST**

**Jennifer Heyob--- NOAA**

**Azalea Nunnally --- OIG**

**Chris Mondok --- PTO**

**and their valuable assistants**

**Paul Bell, Soloist**

**Military Service Band**

**Armed Forces Color Guard**

**Printing and Graphics Division**

**Office of Security**





