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

The 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.

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

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.
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.

Silver Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

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

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

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.
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

ADMINISTRATIVE/TECHNICAL SUPPORT

Thomas W. Gramlich
Assistant Division Chief for Operations

Melody A. Chang
Information Technology Specialist

Geoffrey 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.

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.

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

LEADERSHIP

Gold Medal

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 obliged 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 Bonyer
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 ambulace, 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.
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

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  
Criminal Investigators
Monica Hamm  
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 overfished. 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.

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.

National Centers for Environmental Prediction, Environmental Modeling Center

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 NCEPsEta forecast system contributed to critical forecasts for the 2002 Olympics and formed the basis for record-breaking precipitation forecast scores by NCEPsHydrometeorologicalPrediction 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  
Richard N. Statz  
Computer Scientist  
Institute for Telecommunication Sciences  

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

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.
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.

SAMUEL P. BENZ  
Physicist  
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.

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.

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  
advise 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  
ofered 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  
capitalization, 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 AWARD 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 Nunally — 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