



5 6 T H   A N N U A L  
*Honor Awards*  
P R O G R A M

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U . S .   D E P A R T M E N T   O F   C O M M E R C E





*Fifty-sixth  
Honor Awards Program*

**Andrew W. Mellon Auditorium  
1301 Constitution Avenue, N.W.**

November 9, 2004

**Introduction**

Honorable Theodore W. Kassinger  
*Deputy Secretary*

**Presentation of Colors**

Armed Forces Color Guard

**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

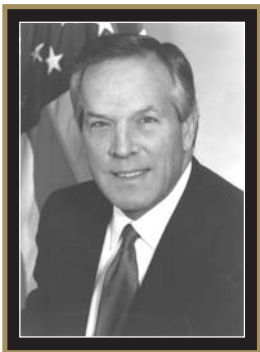
**Closing Remarks**

Honorable Theodore W. Kassinger  
*Deputy Secretary*

**Soloist**

Paul Bell





## MESSAGE FROM THE SECRETARY

Public service is a high calling. Those who have agreed to serve share a willingness to go to the limit for the sake of our fellow citizens. In post-9/11 America, the responsibilities of public servants charged with protecting our homeland and promoting our economic security took on a new dimension. Under President Bush's strong leadership, we have seen every level of government – local, state and federal – come together in the war against terrorism and work toward a world of peace and prosperity.

At the Department of Commerce, we proudly honor this commitment to the safety and economic well-being of the American people. Our historic mission is to promote an environment where U.S. businesses can grow, prosper, and create new American jobs and opportunities for success. This is a broad portfolio.

The men and women here are engaged in opening global markets and strengthening and safeguarding the Nation's economic infrastructure, keeping America competitive with cutting-edge science and technology and an unrivaled information base, and providing effective management and stewardship of the Nation's ocean resources and assets. This encompasses assignments as diverse as promoting a free market environment in Iraq, providing early adverse weather warnings to our citizens, and enforcing export controls on materials that could harm U.S. security.

The 2004 Honor Awards celebrate the dedication, courage, and sacrifices of these outstanding individuals who have made a commitment to excellence and the highest standards in service to the Department, the Nation, and the world. I salute their sense of duty, and I am honored to recognize all of our Gold and Silver medal award recipients.

A handwritten signature in black ink, appearing to read "Donald L. Evans". The signature is fluid and cursive, with a large initial "D" and "E".

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*







*Presentation of Gold Medal  
for  
Personal and Professional Excellence  
to:*

**Myriah L. Jordan**

Attorney Advisor  
*Economic Development Administration*

**for her selfless dedication to service in Iraq**

Ms. Jordan is honored for professional excellence and personal fortitude in developing, negotiating and writing commercial laws as part of the economic reform effort during the reconstruction of Iraq. From February to July 2004, Ms. Jordan worked in the Office of the General Counsel of the Coalition Provisional Authority and assumed wide-ranging responsibility for the legal aspects of the economic reform effort. Among her accomplishments, Ms. Jordan developed, negotiated and rewrote new Iraqi commercial laws on procurement, bankruptcy, copyright and financial crimes, and led an effort to coordinate and develop options for the commercialization of Iraq's State Owned Enterprises.



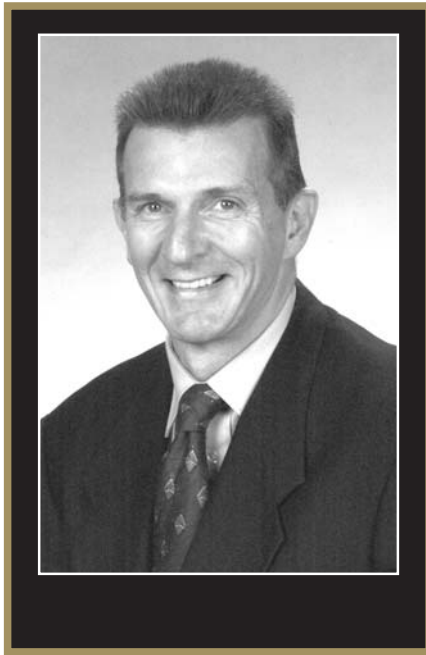
*Presentation of Gold Medal  
for  
Personal and Professional Excellence  
to:*

**Mahdi S. Sundukchi**

Mathematical Statistician  
*Bureau of the Census  
Economics and Statistics Administration*

**for his selfless dedication to service in Iraq**

Dr. Sundukchi is honored for sacrifices and risks to plan and organize the Iraqi National Conference to elect the National Council, which serves as Iraq's interim government. He researched statistical data from the Iraqi Governing Council, Ministers Council, population estimates from the 1997 census and 2004 plan from the Central Statistical Organization, and developed metrics supporting the Iraqi executive authority. He advised the Secretariat of the Iraqi Governing Council and determined participants for the National Conference to create an equitable representation of interests in Iraq.



*Presentation of Gold Medal  
for  
Personal and Professional Excellence  
to:*

**Bernard T. Carreau**

Deputy Assistant Secretary for AD/CVD Enforcement Group II  
*Import Administration  
International Trade Administration*

**for his selfless dedication to service in Iraq**

Mr. Carreau is honored for helping to develop Iraq's trade regime and private sector. While serving as an advisor to the Ministry of Trade, Mr. Carreau helped the Ministry develop and implement trade and economic development strategies. He was instrumental in helping Iraq obtain observer status with the World Trade Organization (WTO) in February 2004. Mr. Carreau advised the Iraqis on strategies to deal with the WTO and member countries. He also assessed Iraq's existing rules and practices, as well as orders issued or planned by the Coalition Provisional Authority, that had WTO implications.



*Presentation of Gold Medal  
for  
Personal and Professional Excellence  
to:*

**Mercedes C. Fitchett**

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

**for her selfless dedication to service in Iraq**

Ms. Fitchett is honored for professional excellence implementing U.S. Government initiatives towards the reconstruction of Iraq. Her commitment and dedication to the

Iraqi people were cornerstones of successful service with the Coalition Provisional Authority and Foreign Commercial Service. Ms. Fitchett offered trade policy expertise to modernize Iraq's economy and facilitated the entry of U.S. industry into the Iraqi market.



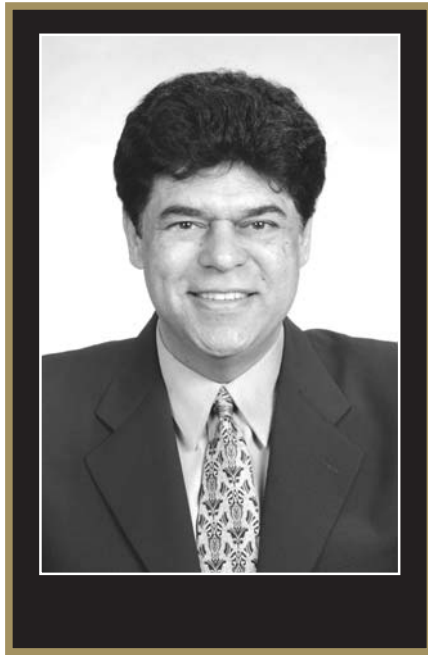
*Presentation of Gold Medal  
for  
Personal and Professional Excellence  
to:*

**Larry M. Tabash**

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

**for his selfless dedication to service in Iraq**

Mr. Tabash is honored for his critical role in supporting U.S. commercial objectives in Iraq. Over a six-month period, he worked tirelessly to support U.S. companies in their efforts to enter the Iraqi market. He was also instrumental in establishing the Commercial Service's presence at the new U.S. Embassy in Baghdad, which will serve the U.S. and Iraqi business communities in the years to come. Although Mr. Tabash has returned to the United States, his groundbreaking efforts will continue to benefit both U.S. firms and the U.S. government.



*Presentation of Gold Medal  
for  
Personal and Professional Excellence  
to:*

**Joseph L. Gattuso**

Senior Policy Advisor  
*Office of Policy Analysis and Development  
National Telecommunications and Information Administration*

**for his selfless dedication to service in Iraq**

Mr. Gattuso is honored for distinguished performance and exceptional leadership in developing institutions and regulations necessary for a competitive robust communications and information environment in Iraq. From February to July 2004, he led a team within the Coalition Provisional Authority's Ministry of Communications responsible for communications policy and regulatory matters. Among their achievements, his team established an independent regulatory commission over telecommunications and mass media issues, and drafted basic telecommunications laws, policy statements, and regulations for consideration by the sovereign government.



*Presentation of Gold Medal  
for  
Personal and Professional Excellence  
to:*

**Linda S. Lourie**

*Attorney Advisor  
External Affairs  
Patent and Trademark Office*

**for her selfless dedication to service in Iraq**

Ms. Lourie is honored for professional excellence in devising Iraqi intellectual property (IP) laws to support a free market economy. She moved the laws through to approval by the Iraqi Governing Council, presented an extensive training program for the Ministry of Trade and acquired automation equipment to support the Iraqi effort in IP reform. Her contributions went beyond IP reform to include creating an Electricity Regulatory Commission, an order on bank restructuring and a Ministerial Instruction on retail sales registration. Ms. Lourie's tireless efforts and versatility in adapting to the challenging environment contributed greatly to the ongoing reconstruction effort in Iraq.



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



*Gold Medal*

**PERSONAL AND  
PROFESSIONAL EXCELLENCE**

**Sharrieff Nashid**  
**William Floyd, Sr.**  
**Jay Jay Julaton**  
**Edward Kerrick, Sr.**  
**Daniel McClanahan**  
**Rodney Miles**  
**Robert Steinheimer**  
Security Specialists

**Jason Blanton**  
**Harold Washington, Sr.**  
Supervisory Security Specialists

*Chief Financial Officer and Assistant  
Secretary for Administration*

**Joshua Holzer**  
**Donald P. Pearce**  
Criminal Investigators

*Bureau of Industry and Security*

*Chief Financial Officer and Assistant  
Secretary for Administration*

The group is honored for its distinguished performance in successfully mitigating the risk to the Secretary and his delegation during their Mideast tour to promote international trade development and economic recovery. Despite the heightened risk in the war-ravaged countries of Iraq and Afghanistan, the team innovatively collaborated their skills, training, and expertise to complete extensive preparation, coordination, and protection operations under extreme circumstances. The safe execution of this mission has enabled the completion of this critical trade initiative.

**BUREAU OF INDUSTRY  
AND SECURITY**



*Gold Medal*

**PERSONAL AND  
PROFESSIONAL EXCELLENCE**

**John Larkin II**  
Criminal Investigator

*Bureau of Industry and Security*

Mr. Larkin is cited for serving as the Bureau of Industry and Security attaché to China and for supporting the successful negotiation of new procedures to help ensure that U.S. exports of controlled items are being used by their intended recipients for their intended purposes. Mr. Larkin provided logistics and important elements of the strategy for successful negotiations. In addition, Mr. Larkin's expertise and credibility increased the confidence and trust of key Chinese officials. This achievement opens the way to increasing U.S. high-technology exports, while strengthening U.S. security.

**PERSONAL AND  
PROFESSIONAL EXCELLENCE**



*Silver Medal*

**Janet Finnegan**  
Criminal Investigator

**Douglas Brown**  
Microbiologist

*Office of the Assistant Secretary for  
Export Administration*

*Bureau of Industry and Security*

The group is honored for investigating a major case involving the illegal export of a live bubonic plague agent, obtaining a criminal conviction in a jury trial, and launching an outreach program to the scientific community. The investigation strengthened national security by uncovering lax methods in transporting hazardous materials by members of the scientific community. The national attention paid to the criminal prosecution will serve as a deterrent and provides a platform for outreach to the scientific community. Their work on this case has led to establishment of a higher standard for future enforcement of the Export Administration Act and the proper safeguards for handling of toxic and hazardous substances.

**Joan Maloney Roberts**  
Supervisory Export Policy Analyst

**Brian Nilsson**  
Senior Export Policy Analyst

**Karen Nies-Vogel**  
**Sheila Quarterman**  
Export Policy Analysts

*Office of the Assistant Secretary for  
Export Administration*

**Philip Ankel**  
**Glenn Kaminsky**  
Attorney Advisors

*Office of the General Counsel*

*Bureau of Industry and Security*

This group is honored for the development and implementation of U.S. export controls toward Iraq, Libya, and Syria which will support significant reform in all of these countries and enhance global trade opportunities for U.S. industry. Through their efforts, the United States has put into place the appropriate regulatory framework to implement Presidential and Congressional decision making for U.S. export control policy toward Iraq, Libya, and Syria. This team played a critical role in implementing significant changes of historic proportion in U.S. export control law and regulation.

**Charles Sheridan**  
Criminal Investigator

*Office of the Assistant Secretary for  
Export Enforcement*

**Mi-Yong Kim**  
General Attorney

*Office of the General Counsel*

*Bureau of Industry and Security*

The team is recognized for their dedication and success in pursuing a precedent-setting case and obtaining convictions that enhance the Department's ability to prosecute export

control violations. Their investigation produced the first criminal conviction for violation of the deemed export provision of the Export Administration Act, and disrupted a criminal conspiracy to transfer controlled technology to a listed entity in the People's Republic of China.

## **CUSTOMER SERVICE**

### **David Flynn**

Operating Committee Chairman

### **Ralph Kessler**

Chemist

*Office of the Assistant Secretary for  
Export Administration*

*Bureau of Industry and Security*

The team is honored for the systematic revamping of the Operating Committee's (OC) functions. The OC is responsible for reviewing hundreds of contentious export license applications worth hundreds of millions of dollars each year. The challenge was to increase the OC's efficiency and thereby improve service to U.S. exporters. Their efforts have made possible the timely approvals for hundreds of millions of dollars of U.S. exports worldwide consistent with U.S. security. Of equal importance, timely denials have served to limit the spread of sensitive U.S. technology to countries and entities of concern. The new reliability and dependability of the OC process encourages legitimate U.S. exports and protects U.S. goods from unlawful diversion.

## **OFFICE OF THE CHIEF INFORMATION OFFICER**



*Silver Medal*

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

### **Nancy DeFrancesco**

Supervisory Information  
Technology Specialist

*Office of the Chief Information Officer*

Ms. DeFrancesco is honored for improving the management of the IT security program throughout the Department. Ms. DeFrancesco developed a comprehensive IT Security Policy, provided extensive guidance to the Operating Units, and implemented a policy compliance monitoring process to help ensure that the guidance was being followed. As a result of her efforts, the Department's IT Security Program has been dramatically improved and the overall security posture has been significantly raised, ensuring a high degree of public trust in the Department's systems.

## **ECONOMICS AND STATISTICS ADMINISTRATION**



*Silver Medal*

### **LEADERSHIP**

**Rosemary D. Marcuss**

Deputy Director, Bureau of  
Economic Analysis

**Kerry Suttan**

Economist

*Office of the Director*

**Meridel M. Jackson**

Supervisory Program Analyst

**Suzette Kern**

Associate Director for Management and  
Chief Administrative Officer

**Joyce B. Whitman**

Program Analyst

**Joanne L. Buenzli**

Program Analyst

*Current Business Analysis Division*

*Bureau of Economic Analysis*

*Economics and Statistics Administration*

The group is recognized for contributions to transforming the management and administrative functions of the Bureau of Economic Analysis (BEA), which has an established reputation for being one of the Nation's leading statistical agencies. For the first time, BEA is receiving both internal and external recognition for its excellence. The Office of Management and Budget has cited the BEA as being among the most effectively managed agencies in government as well as being named a Federal "employer of choice."

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

**Mary Ellen Davis** (*posthumous*)

**Barbara N. Diskin**

**Douglas W. Hillmer**

Information Technology Specialists

**Alfredo Navarro**

Supervisory Mathematical Statistician

*Office of the Deputy Director*

*Bureau of the Census*

*Economics and Statistics Administration*

The group is recognized for developing the American Community Survey data processing, estimation, and data products systems to replace the decennial census long form systems and provide data every year. The quick delivery of accurate data products will revolutionize the Federal statistical system and Federal, state and local decision-making. Their management skills and creativity provided data processing, estimation, and data products systems necessary for the American Community Survey to achieve its critical goals.

**Dennis J. Fixler**  
Chief Statistician

*Office of the Director*

**Marshall B. Reinsdorf**  
**Shaunda M. Villones**  
Economists

*Associate Director for National Income,  
Expenditure and Wealth Accounts*

**George M. Smith**  
Supervisory Economist

*Associate Director for Industry Accounts*

*Bureau of Economic Analysis*

*Economics and Statistics Administration*

The group is recognized for developing and implementing a pioneering method for measuring the output of commercial banks as part of the Gross Domestic Product. This achievement is a major step forward in measuring the output of this rapidly changing sector. Their efforts improved the measurement of the dynamic U.S. economy and has been endorsed by the Organization for Economic Co-Operation and Development and is being adopted by Canada and other major countries. This achievement will lead to more accurate and reliable output and improved measurements of other types of financial services.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

**Ann M. Lawson**  
**Brian C. Moyer**  
**Mark A. Planting**  
Supervisory Economists

**Robert E. Yuskavage**  
Economist

*Associate Director for Industry Accounts*

*Bureau of Economic Analysis*

*Economics and Statistics Administration*

The team is cited for the integration of the industry economic accounts at the Bureau of Economic Analysis, which is one of the most significant improvements in industry statistics in the past 25 years. The innovative work of the industry staff resolved a long-standing problem of inconsistent data and finally provided data that is current, complete, and consistent with other macroeconomic measures. Users can now conduct integrated analyses of questions of national economic importance, allowing the U.S. to lay claim to being the leader in integrated macroeconomic and industry statistics.

## **INTERNATIONAL TRADE ADMINISTRATION**



*Gold Medal*

### **LEADERSHIP**

#### **U.S.-China Joint Commission on Commerce and Trade**

*International Trade Administration*

The U.S.-China Joint Commission on Commerce and Trade is cited for its tireless effort to create a successful and productive Joint Commission on Commerce and Trade. As proposed by President Bush and China's Premier Wen in 2003, this high-level dialog was designed to seek resolution of daunting trade issues through consultation. Notable achievements include greater access to China's high-tech market, protection of U.S. ideas, and enhanced opportunities for small- and medium-sized enterprises. This achievement serves as a positive forum to raise issues and promote better understanding among trade policy makers.

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

#### **John Ackerly**

Assistant to the Secretary and Director,  
Office of Policy and Strategic Planning

#### **David Bohigian**

Deputy Director, Office of Policy and  
Strategic Planning

*Office of the Secretary*

#### **Nova Daly**

Import Policy Analyst

*Import Administration*

#### **Mary Brown Brewer**

Director of Public Affairs

#### **John Ward**

Writer Editor

*Office of the Under Secretary*

#### **H. Keith Hall**

Chief Economist

*Economics and Statistics Administration*

#### **Joseph Bogosian**

Deputy Assistant Secretary for  
Transportation and Machinery

#### **Jonathan Menes**

Executive Director for Trade  
Development

#### **H. K. Stokes, Jr.**

Supervisory International Economist

*Trade Development*

#### **Brett Palmer**

Deputy Assistant Secretary  
for Legislative and  
Intergovernmental Affairs

*Assistant Secretary for Legislative and  
Intergovernmental Affairs*

#### **Carol Meares**

Technology Policy Analyst

*Technology Administration*

*International Trade Administration*

The group is recognized for their efforts in the creation, outreach, drafting and publication of the *Manufacturing in America* report. This report is the centerpiece of the President's Manufacturing Initiative and the culmination of a year-long outreach effort with America's manufacturing sector that began in March of 2003. The implementation of the recommendations contained in this report will have profound short- and long-term effects on the organization and operations of Commerce, the focus of the Administration, and the strength of America's manufacturers.

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

### **Canadian Wheat & Korean DRAMS Team**

*International Trade Administration*

The team is cited for its handling of the extraordinarily complicated antidumping (AD) and countervailing duty (CVD) investigations of wheat from Canada and the CVD of dynamic random access memory semiconductors (DRAMS) from Korea. These investigations covered annual trade exceeding \$300 million for wheat and \$1.3 billion for DRAMS, and are noteworthy for novel and complex issues, the aggressive participation of the U.S. industry, responding companies, and the governments of Canada and Korea. The team's effective investigative strategies set precedent for future cases to follow.



*Silver Medal*

## **LEADERSHIP**

### **Timothy Wineland**

International Trade Specialist

### **Angela Davis**

Trade Compliance Officer

*Market Access and Compliance*

### **Cameron Werker**

Commercial Officer Second Secretary

*U.S. & Foreign Commercial Service*

### **Adam Bobrow**

### **Kathryn Nickerson**

Attorney Advisors

*Office of the General Counsel*

### **Norman Lacroix**

Supervisory Export Policy Analyst

*Bureau of Industry and Security*

### **Roger Marks**

Physicist

*Technology Administration*

### **Tu Trang Phan**

International Trade Specialist

### **Michelle O'Neill**

Deputy Assistant Secretary for  
Information Technology Industries

*Trade Development*

*International Trade Administration*

The group is honored for their effective response to China's proposed wireless encryption standard. In 2003, the U.S. industry raised serious concerns with the U.S. Government about the pending implementation of this mandatory wireless standard. As a result of the team's effort, in 2004 China indefinitely postponed implementation of the standard and agreed to work within international standards bodies to

develop a global standard that addresses their concerns. Resolution of this issue ensures continued U.S. market access and establishes a precedent for similar issues in the future.

**Edgar Fulton, Jr.**

Senior Commercial Officer

*U.S. & Foreign Commercial Service*

*International Trade Administration*

Mr. Fulton is cited for leadership of the International Trade Administration's action plan for expanding U.S.-Polish business ties, which was tasked by President Bush and Secretary Evans to strengthen Poland's industry to support international security cooperation. He designed a tremendously successful and critically important Warsaw visit by the Secretary and oversaw follow-up actions that achieved dramatic results in financing U.S. military sales, participation by Polish suppliers in Iraq reconstruction projects, and major improvements in the Polish investment climate.

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

**Linda Droker**

Supervisory International  
Trade Specialist

**Ariadne Benaissa**

**John Liuzzi**

**John Mathews**

**George Paine**

International Trade Specialists

*Market Access and Compliance*

**Katrice Kelly**

**Jennifer Moll**

**Martin Walsh**

International Trade Specialists

**Scott Pietan**

Economist

*Trade Development*

**Carole Showers**

Supervisory Import Policy Analyst

*Import Administration*

*International Trade Administration*

The Australia Free Trade Agreement (FTA) team is recognized for their exceptional representation of the Department's goals in the FTA negotiations with Australia from March 2003 to February 2004. The conclusion of this Agreement was a Presidential priority, recognizing not only Australia's importance as a trading partner, but also our long-standing strategic ties. As a result of the participation of the Commerce team, agreement was reached that provides significant market opening in manufacturing, services, investment, and a wide range of other areas key to increasing U.S. exports.



**Market Access and Compliance**

**Trade Development**

**Import Administration**

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

**Office of the General Counsel**

*International Trade Administration*

The U.S. Central America Free Trade Agreement/Dominican Republic (CAFTA/DR) Free Trade Agreement Negotiating Team is cited for achieving two state-of-the-art free trade agreements in record time. Both agreements ensure that U.S. goods, services, and investments will have unfettered access to a market covering more than \$3 billion in two-way trade between the U.S. and six other FTA partners. This extraordinary achievement will almost completely eliminate all barriers between the U.S. and the CAFTA/DR.

## **MINORITY BUSINESS DEVELOPMENT AGENCY**



*Gold Medal*

### **LEADERSHIP**

#### **Minority Business Development Agency**

The Minority Business Development Agency (MBDA) is honored for its reorganization and transformation from an administrative agency culture to an entrepreneurial organization. The challenge MBDA faced was how to reinvent itself to address the new needs of its clients, and continue to provide quality customer service in a changing environment. The result will provide millions of dollars for new financing and contracts to minority owned firms, foster growth, and demonstrate the Department's commitments to ensuring minority enterprises are viable stakeholders.

# NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



*Gold Medal*

## LEADERSHIP

### **Kerry Griffin**

Marine Habitat Resource Specialist

### **Thomas Bigford**

### **Garry Mayer**

Fishery Management Officers

*National Marine Fisheries Service*

### **Jane Hannuksela**

Attorney Advisor

*Office of the Under Secretary*

### **Steven Kokkinakis**

### **Ramona Schreiber**

Environmental Protection Specialists

*Office of Program, Planning,  
and Integration*

### **Christopher Libeau**

Cartographer

### **Lawrence Settle**

Research Fishery Biologist

*National Ocean Service*

*National Oceanic and*

*Atmospheric Administration*

The group is cited for completing NOAA's first-ever National Environmental Policy Act referral to the White House Council on Environmental Quality. NOAA experts demonstrated how maintenance dredging could preserve Department interests at a lower cost than an \$108 million dollar jetty system. Jetties would have degraded habitat and interrupted fish transport into the Albemarle-Pamlico estuary, with dire impacts to a coastal inlet valued by anglers worldwide. The resulting interagency agreement with the U.S. Army Corps of Engineers and the Department of Interior will promote economic development, ensure safe navigation, sustain robust fisheries, and conserve vital habitats.

### **Lindy Johnson**

Attorney Advisor

*Office of the Under Secretary*

*National Oceanic and*

*Atmospheric Administration*

Ms. Johnson is cited for initiative and persistence in negotiating, in the U.S. and internationally, a treaty for invasives control based on Departmental goals. Invasives are a nonindigenous species introduced through ships' ballast water that threatens the diversity or abundance of native species or the ecological stability of infested waters, or commercial, agricultural or recreational activities dependent on such waters. She successfully demanded that the treaty contain a biologically meaningful, scientifically sound and verifiable management approach, including: a technology-forcing international performance standard, precedential provisions for testing ship discharges, and implementation guidelines for effective compliance.

### **Helen M. Wood**

Senior Leader for Special Projects

### **Sharon Leduc**

Supervisory Physical Scientist

### **Linda V. Moodie**

### **D. Brent Smith**

Supervisory International  
Relations Specialists

### **Richard Ohlemacher**

### **Kelly M. Turner**

International Relations Specialists

### **Ingrid C. Guch**

Physical Scientist

### **Gregory W. Withee**

Assistant Administrator for  
NOAA's Satellite Information Services

*National Environmental Satellite, Data,  
and Information Service*

**Susan Harris**

International Affairs Specialist

**Carla Sullivan**

Senior Policy Advisor

*Office of the Under Secretary*

*National Oceanic and*

*Atmospheric Administration*

The group is cited for organizing and executing the United States hosted inaugural summit of more than 30 nations to realize a common goal – to establish an international, comprehensive, coordinated and sustained Earth observation system. NOAA and the Department played the pivotal role in organizing and executing the Summit and in providing co-leadership to the follow-on *ad hoc* intergovernmental Group on Earth Observations, formed at the Summit to develop an implementation plan for the system. This landmark effort is aimed at providing critical data to address major global economic, social, and scientific challenges.

**PERSONAL AND  
PROFESSIONAL EXCELLENCE**

**Casey Oravetz**

Criminal Investigator

*National Marine Fisheries Service*

*National Oceanic and*

*Atmospheric Administration*

Special Agent Oravetz is honored for the investigation, apprehension, and assistance in the conviction of three defendants in a complex international conspiracy to poach and smuggle illegal lobsters into the U.S. from Nicaragua. His efforts also uncovered a major internal corruption scheme that the Nicaraguan government acted promptly to correct. This successful three-year investigation is deterring U.S. financed poaching rings and advancing international relations between both countries. As a result of his actions, lobster stocks throughout the Caribbean are rebuilding to create a viable commercial fishery for fishermen.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

### **Pacific Marine Environmental Laboratory**

### **National Data Buoy Center**

*National Oceanic and Atmospheric  
Administration*

The Pacific Marine Environmental Laboratory (PMEL) and the National Data Buoy Center are cited for jointly transferring to operations a new moored buoy system, developed by PMEL, to provide accurate and timely warning information for tsunamis. In the past, tsunami warnings were based on earthquake size and coastal tidal data which provided poor information about an approaching tsunami. As a result, 75 percent of the warnings issued have been for non-destructive tsunamis and are perceived as false alarms. An earthquake and subsequent tsunami on November 17, 2003, provided the opportunity to test the new system, which led to the timely cancellation of a tsunami warning and avoided an evacuation in Hawaii at an estimated cost savings of \$68 million.

### **Richard W. Reynolds** Research Oceanographer

*National Environmental Satellite, Data,  
and Information Service*

*National Oceanic and  
Atmospheric Administration*

Dr. Reynolds is recognized for advancing the knowledge of blending observational information from space-based and in-situ platforms resulting in sea surface temperature products of such high quality that they were chosen by National Centers for Environmental Prediction as the official United States index for monitoring El Niño events and global sea surface temperatures. The creation of a credible and highly accurate index for monitoring El Niño will ensure that the evolution of these important events will be reliably detected and monitored.

## **CUSTOMER SERVICE**

### **Daryl Onton Benjamin Peterson** Meteorologists

*National Weather Service*

*National Oceanic and  
Atmospheric Administration*

The group is recognized for providing exemplary service to the Fire Incident Team on the Kinishba Fire, which led to the safety of 200 firefighters in extremely hazardous conditions. Through keen interrogation of the radar data, the group identified a strong thunderstorm outflow and communicated with the fire team, leading to the evacuation of firefighters to a safe zone. Staying vigilant of the situation, the group identified another outflow which then threatened the safe zone. Additional communications led to the evacuation of firefighters once again before the fire roared through the area.

### **Storm Prediction Center Weather Forecast Offices:**

**Memphis, Tennessee**

**Norman, Oklahoma**

**Paducah, Kentucky**

**Pleasant Hill, Missouri**

**Springfield, Missouri**

*National Oceanic and Atmospheric  
Administration*

The Storm Prediction Center and NWS Forecast Offices in Memphis, Tennessee; Norman, Oklahoma; Paducah, Kentucky; Pleasant Hill, Missouri; and Springfield, Missouri are cited for providing life-saving services during an unprecedented series of tornado outbreaks during May 4-10, 2003. During this seven-day period, there were 393 tornado outbreaks in portions of the Great Plains, Midwest, and Mid-South. They employed dual Polarization radar, a new weather radar

that distinguishes types of precipitation and storm intensity. Use of this technology served to minimize injury, loss of life and property damage.

**Weather Forecast Offices:**

**Sterling, Virginia**

**Wakefield, Virginia**

**Newport, North Carolina**

**Tropical Prediction Center**

*National Oceanic and  
Atmospheric Administration*

The group is honored for providing accurate and timely information before, during, and after Hurricane Isabel. The group provided detailed information starting a week before Isabel made landfall. Decision makers were proactive in initiating an emergency response and the public was well aware of the potential dangers. As a result, lives were saved and economic losses were reduced. The group provided outstanding customer service in the highest tradition of the Department.

**Vincent Wood**

Meteorologist

*Office of Oceanic and  
Atmospheric Research*

**James Purpura**

Supervisory Meteorologist

*National Weather Service*

*National Oceanic and  
Atmospheric Administration*

The group is recognized for instituting a program of disseminating NWS hazardous weather warnings to the Oklahoma deaf and hard-of-hearing community through alphanumeric pagers. This program insures that critical life-saving information about tornadoes, thunderstorms, winter storms, flash floods, river floods and

high winds reach this particularly vulnerable community in a timely fashion so they can take protective action. The program, Oklahoma Weather Alert Remote Notification (OK-WARN), is the only program in the U.S. that directly relays NWS alerts through pagers to people who are deaf or hard-of-hearing.

## HEROISM

**Correigh Greene**  
**LTJG Andrew Hall**  
Research Biologists

**William Reichert**  
Research Chemist

**Casimir Rice**  
**Frank Sommers**  
Research Fishery Biologists

**LTJG William Mowitz**  
Staff Biologist

*National Marine Fisheries Service*

*National Oceanic and  
Atmospheric Administration*

The group is honored for exceptional responsiveness in providing life-saving assistance to a pilot after his plane crashed into the water on May 8, 2003. During sampling operations on the RV Harold Streeter, the group spotted a low flying aircraft over Padilla Bay, Washington. Moments later, the plane crashed into the frigid water and sank. The group took immediate action, contacting the Coast Guard and launching its small skiff for rescue. The crew members were first to the scene of the incident and pulled the pilot from the frigid water, administered first aid, and later returned the pilot safely to shore.



*Silver Medal*

## LEADERSHIP

**Roger Griffis**  
Environmental Protection  
Specialist

*National Ocean Service*

*National Oceanic and  
Atmospheric Administration*

Mr. Griffis is cited for leadership and vision in integrating intergovernmental, multi-stakeholder efforts to develop targeted Local Action Strategies (LAS) for coral reef conservation, increasing NOAA's effectiveness as co-chair of the U.S. Coral Reef Task Force. The LAS approach improved planning and program coordination across 21 Federal agencies and state/territory governments, involved hundreds of stakeholders in developing 30 local action plans in 7 states/territories, and created measurable priorities for increased financial support and technical assistance for local capacity building.

**James G. Hoff**  
Fishery Biologist

**Frank Csulak**  
Oceanographer

**Eric P. English**  
**Norman F. Meade**  
Economists

**Thomas M. Brosnan**  
Supervisory Regional Manager

**Robert W. Ricker**  
Regional Manager

**Lisa M. Pelstring**  
Communications Specialist

**Carol Ann Manen**  
Physical Scientist

*National Ocean Service*

**Sharon K. Shutler**  
Attorney Advisor

*Office of the Under Secretary*

**Robert M. McNamara**  
Contract Specialist

*Office of Finance and Administration*

**John Collins**  
Marine Habitat Resource Specialist

*National Marine Fisheries Service*

*National Oceanic and  
Atmospheric Administration*

The group is cited for developing a comprehensive settlement with parties responsible for the Chalk Point oil spill and restoring resources injured by the spill. In response to the 2000 Chalk Point oil spill in a tributary of Chesapeake Bay, the group spearheaded an assessment process that was fast and effective, leading to the most rapid resolution of any assessment of its size, and facilitating creative restoration solutions on an accelerated timetable. These successes were achieved through active anticipation of political and

public concerns, innovative pursuit of ecosystem-based restoration, and an unprecedented level of cooperation with the scientific and business community.

**Barbara Schroeder**  
Ecologist

**Therese Conant**  
Fish Biologist

*National Marine Fisheries Service*

*National Oceanic and  
Atmospheric Administration*

The team is honored for combining strengths in science, management, partnerships, and education to establish a model public policy program for conservation and recovery of endangered marine turtles. Their foresight, planning, and collaboration with Federal and state agencies, scientists, constituents, and international bodies have improved the global conservation outlook for marine turtles. The program, built from disparate parts, provides a science-based management strategy to comprehensively address threats to marine turtles throughout their life-cycle over diverse geographic ranges.

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

### **Joseph Albert**

Information Technology Specialist

### **Becky Renko**

Fish Management Specialist

*National Marine Fisheries Service*

*National Oceanic and  
Atmospheric Administration*

The group is cited for developing and implementing an innovative fishery management plan for overfished West Coast Groundfish stocks based on depth and protected areas and enforced by a Vessel Monitoring System (VMS). Without VMS, it is likely that a large swath of the Pacific Ocean would be closed entirely to fishing. The unique depth-based management strategy allows fishing in protected areas with gear and at depths that targets healthy stocks with little chance of catching overfished groundfish stocks. This first of its kind strategy serves as a model for future fishery management plans.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

### **Cynthia Fowler**

Information Technology Specialist

### **Michael Rink**

Physical Scientist

### **Gregory L. Fromm**

Cartographer

### **Ronald L. Travis**

Supervisory Cartographer

*National Ocean Service*

*National Oceanic and  
Atmospheric Administration*

The group is honored for converting to a Geographic Information System format the 14,000 National Ocean Service shoreline manuscripts. This one-of-a-kind series of maps, first authorized by Thomas Jefferson, provides the only source of coastal mapping and dates back to the 1800s. Considerable work was done to precisely move source materials from old to modern coordinate systems, which is critical for accurately measuring change. In addition, the team had to correctly interpret historic symbology that spanned over 100 years and convert this to an accurate database. Scientists and other users can now compare a shoreline's location during different time periods, assisting in change analysis and global climate and sea-level rise studies.



**Phillip Levin**

Supervisory Research Fishery  
Biologist

*National Marine Fisheries Service*

*National Oceanic and Atmospheric  
Administration*

Dr. Levin is honored for creative contributions to the stewardship of species managed and protected by NOAA. Dr. Levin created and led a team, which was the first of its kind in the Pacific Northwest, to research ecological interactions and processes necessary to sustain ecosystem composition, structure, and function in the environments in which fish and fisheries exist. He conducted new analyses, published 29 major papers, and authored papers with 26 individuals, both senior managers and young students. Dr. Levin's unprecedented work will help NOAA develop and apply critical ecosystem-based management methods in the Pacific Northwest.

**Laurence L. Miller**

Oceanographer

*National Environmental Satellite, Data,  
and Information Service*

*National Oceanic and  
Atmospheric Administration*

Dr. Miller is honored for research that resolves two critical issues in the global warming debate: What is the rate of present day sea level rise and what are its causes? His 2004 paper, published in the prestigious journal, *Nature*, clearly demonstrates that the global sea level has been rising at a rate of approximately 2 mm/year, near the upper bound of the most recent assessment by the Intergovernmental Panel on Climate Change. Most of this rise is due to the melting of continental ice, rather than the conventional explanation of ocean warming.

**Thomas B. Ryerson**

**William C. Kuster**

**James F. Meagher**

**David D. Parrish**

**James M. Roberts**

Research Chemists

**Raul J. Alvarez II**

*Physicist*

**Paul D. Goldan**

**Michael K. Trainer**

Physical Scientists

**Fred C. Fehsenfeld**

Senior Scientist, Aeronomy Laboratory

**Robert M. Banta**

**Lisa S. Darby**

Meteorologists

*Office of Oceanic and  
Atmospheric Research*

*National Oceanic and  
Atmospheric Administration*

The group is honored for the discovery of a previously unrecognized major factor that causes ozone pollution in the Houston, Texas area. They discovered that leaks of reactive gases from the petrochemical refineries prevalent in the region are a much larger factor than had been expected. Because of the improved scientific understanding gained through the team's research, Texas air quality managers altered their policy approach to more effectively target the root causes of the region's poor air quality. An independent economic analysis estimated that the application of the revised air quality management plan instead of the original plan will save 65,000 jobs and \$10 billion for the state by the year 2010.

## **ORGANIZATIONAL DEVELOPMENT**

**James Churnside**  
Research Physicist

*Office of Oceanic and  
Atmospheric Research*

**William Pichel**  
Physical Scientist

*National Environmental Satellite, Data,  
and Information Service*

*National Oceanic and  
Atmospheric Administration*

The group is cited for working with universities and industry to develop a technique to locate and identify ghostnets in the open ocean. Ghostnets are lost or abandoned fishing nets drifting in the ocean. These fishing nets drift in the oceans, killing fish, marine mammals, sea birds, and turtles. Many of the nets may become entangled in coral reefs, where they destroy the coral as they continue to kill protected species. Searching the entire ocean for ghostnets is too costly to be practical, so the recipients developed a technique to search more effectively. The plan for removing debris is to use a private fishing vessel that will be stationed in the sub-tropical convergence zone before the aerial survey and directed to debris identified during the survey.

## **CUSTOMER SERVICE**

**Weather Forecast Office  
Sioux Falls, South Dakota**

*National Oceanic and  
Atmospheric Administration*

The NWS Forecast Office Sioux Falls, South Dakota is honored for providing life-saving warning service during a record tornado outbreak on June 24, 2003. Over an eight-hour period, 67 tornadoes touched down across the warning area, a one-day record event for South Dakota which equals the national record for a 24-hour period. Despite the record number of tornadoes, there were no fatalities and only six injuries. A large measure of the life-saving credit is a direct result of the extraordinary services provided by NWS Sioux Falls during the event.

**Weather Forecast Office Los  
Angeles/Oxnard, California**

**Weather Forecast Office San Diego,  
California**

*National Oceanic and  
Atmospheric Administration*

The NWS Forecast Offices, Los Angeles/Oxnard and San Diego are cited for effectively serving the weather needs of firefighters responding to one of the largest wildfire events in California history. The wildfires were of a magnitude not previously seen burning an area larger than Rhode Island. Twenty-two lives were lost, and more than \$2 billion in damage occurred. More than 80,000 people were evacuated, and more than 3,600 structures were burned. Their efforts in providing critical weather support helped keep workers safe and facilitate rescue and recovery efforts.

**NATIONAL TELECOMMUNICATIONS  
AND INFORMATION  
ADMINISTRATION**



*Gold Medal*

**SCIENTIFIC/ENGINEERING  
ACHIEVEMENT**

**Charles T. Glass**

Telecommunications Specialist

**Edward F. Drocella, Jr.**

Supervisory Electronics Engineer

**Mark A. Settle**

Electronics Engineer

*Office of Spectrum Management*

*National Telecommunications and  
Information Administration*

The group is cited for technical expertise in the development of a new generation of unlicensed WiFi wireless communications systems operating at a radio frequency of 5 GHz. Through chairmanship of a joint industry/ Federal committee and innovative technical analysis, the team resolved complex and highly controversial radio interference issues to gain national and international consensus to adopt a new technology. This new wireless technology helps promote national information infrastructure and high speed broadband Internet initiatives.



*Silver Medal*

**SCIENTIFIC/ENGINEERING  
ACHIEVEMENT**

**Frank H. Sanders**

Supervisory Electronics Engineer

**Steven R. Engelking**

**Jeffery A. Wepman**

Electronics Engineers

*Institute for Telecommunication Sciences*

**Robert L. Sole**

Electronics Engineer

*Office of Spectrum Management*

*National Telecommunications and  
Information Administration*

The group is recognized for developing cutting edge technology for assessing the performance of dynamic frequency sharing devices that allow WiFi and other wireless communications systems to share spectrum with radar. This accomplishment advances the Department's strategic objective for advancing innovative spectrum sharing technologies, significantly expands the use of 5 GHz spectrum nationally and internationally, and promotes markets for emerging communications technologies.

**OFFICE OF THE  
GENERAL COUNSEL**



*Silver Medal*

**PERSONAL AND  
PROFESSIONAL EXCELLENCE**

**John Cobau**  
**Arthur Aronoff**  
**Adam Bobrow**  
**Geraldine Fischer**  
**John Masterson, Jr.**  
**Kathryn Nickerson**  
**William Yue**  
Attorney Advisors

**Eleanor Lewis**  
Chief Counsel,  
International Commerce

*Office of the General Counsel*

The U.S.-Australia Free Trade Agreement Legal Advisory Team is honored for the legal support it provided during the successful negotiation of the U.S.-Australia Free Trade Agreement (FTA), an important Administration initiative. The team was indispensable in identifying important legal barriers to U.S. exports and investment in Australia, and developing U.S. Government proposals. The FTA will have the long-term effect of substantially opening the Australian market to exports of U.S. services and significantly strengthening the protection of U.S. investment in Australia.

**Eleanor Lewis**  
Chief Counsel,  
International Commerce

**Arthur Aronoff**  
**John Masterson, Jr.**  
Attorney Advisors

*Office of the General Counsel*

The group is cited for analyzing the commercial laws in Iraq at the end of the Saddam Hussein regime, proposing changes to those laws, and then working with the Coalition Provisional Authority to draft and bring into force new commercial laws in Iraq. Their work on trade, investment and business statutes and regulations is preparing the way for Iraq to move toward a more open, market-oriented economy.

**OFFICE OF THE  
INSPECTOR GENERAL**



*Gold Medal*

**LEADERSHIP**

**Edward Blansitt**

Deputy Inspector General

*Office of the Inspector General*

Mr. Blansitt is cited for leadership and management for setting the OIG strategic work agenda and ensuring the quality of its resulting work products as well as promoting and maintaining OIG's organizational efficiency and sound administrative operations. He provided significant guidance on the work of OIG, thereby improving the quality and impact of the hundreds of performance audits, inspections, and program evaluations produced during his 3-year tenure as Deputy IG. His efforts resulted in successful implementation of fiscal efficiency and operational excellence.



*Silver Medal*

**PERSONAL AND  
PROFESSIONAL EXCELLENCE**

**Patricia Derr**

Mathematician

**Frederick Meny**

Electronic Engineer

**Martin Trocki**

Computer Scientist

*Office of Systems Evaluation*

*Office of the Inspector General*

This group is cited for conducting critical evaluations of the Census Bureau's efforts to modernize the processing environment for Census 2010 operations, with a special focus on initiatives designed to improve address files and digital maps. Team members identified problems with the planning and execution of the modernization program that if uncorrected jeopardized the bureau's ability to have key information technology systems ready in time for decennial operations. The bureau's action on team recommendations lead to significant project improvements.

**David Rose**  
Supervisory Auditor

*Office of Audits*

*Office of the Inspector General*

Mr. Rose is honored for spearheading OIG's efforts to improve the Department's performance and financial reporting. Under his direction, the Office of the Inspector General has conducted a series of performance measurement audits assessing bureau and Department-wide reporting under the Government Performance and Results Act. Recommendations from these reviews have significantly enhanced the quality of performance information that Commerce and the bureaus collect and report annually to Congress and other stakeholders.

## **PATENT AND TRADEMARK OFFICE**



*Gold Medal*

### **LEADERSHIP**

**Mary Critharis**  
**Charles Eloshway**  
**Karen M. Hauda**  
**Minna F. Moezie**  
Patent Attorneys

**Michael B. Adlin**  
**Caridad Berdud**  
**Amy P. Cotton**  
**Linda S. Lourie**  
**David M. Morfesi**  
**Jennifer A. Ness**  
**Michael S. Shapiro**  
Attorney Advisors

**Michael S. Keplinger**  
Senior Level Attorney, Copyrights

**Peter N. Fowler**  
Senior Level Attorney, Enforcement

*External Affairs*

*Patent and Trademark Office*

The group is cited for leadership in the U.S. Government efforts to enhance our continuing liaison with U.S. private sector interests to ensure their continued support, and to find solutions to key international issues facing the intellectual property community – representing an improvement in formulating coordinated policy positions. The extent of this coordinated effort represents a significant improvement in the effectiveness of interagency functioning on intellectual property rights policy and has had a large effect on intellectual property protection internationally.

**Edward Kazenske**  
Deputy Assistant Commissioner  
for Patents

**David L. Talbott**  
Supervisory Patent Examiner

**John J. Doll**  
Group Director,  
Technology Center 1600

*Commissioner for Patents*

**Frederick Schmidt**  
Director, Search and Information  
Resources Administration

*Search and Information Resources  
Administration*

**Douglas J. Bourgeois**  
Chief Information Officer

**Joel E. Brown**  
Computer Scientist

**Jeffrey W. Baer**  
Executive for Architecture, Engineering  
and Technical Services

*Chief Information Officer*

*Patent and Trademark Office*

The group is cited for development and implementation of the business process that provides electronic end-to-end patent application processing and review through the implementation of the Image File Wrapper (IFW) system. The IFW will provide electronic access to applications by customers and accelerate patent processing times. The result was the transformation of a century's old paper business model to a disseminated, universal software environment, which enhances the USPTO's agility in responding to the complexity and volume of work and the globalization that characterize the 21st Century economy.

## **PERSONAL AND PROFESSIONAL EXCELLENCE**

**Mark A. Cohen**  
Attorney Advisor

*External Affairs*

*Patent and Trademark Office*

Mr. Cohen is recognized for leadership in promoting intellectual property enforcement in China on behalf of American Intellectual Property (IP) owners and users. His background in Chinese studies, fluency in the Chinese language, and comprehensive understanding of intellectual property laws is enabling the USPTO to coordinate government efforts to reduce the toll that IP theft in China takes on American IP owners and users.

**Esther M. Kepplinger**  
Deputy Commissioner for  
Patent Operations

**Linda S. Therkorn**  
Senior Legal Advisor

**Magdalen Greenlief**  
**Stephen G. Kunin**  
Deputy Commissioners for Patent  
Examination Policy

**Jasemine C. Chambers**  
Group Director,  
Technology Center 1600

**Charles A. Pearson**  
Director, Office of  
PCT Legal Administration

**Susan C. Wolski**  
Special Programs Examiner

*Technology Center Summary*

**Jon P. Santamauro**  
Patent Attorney

*External Affairs*

*Patent and Trademark Office*

The group is cited for leadership that resulted in a modernized set of Patent Cooperation Treaty search and examination guidelines to be followed by ten international authorities in the search and examination of international applications. As a result of this accomplishment higher quality patents will be issued in a timely manner and will lead to stronger protection for U.S. applicants to seek global patent protection. In addition it will promote greater research and development, as well as incentive to innovate due to greater rewards as a result of global safety.



*Silver Medal*

## **LEADERSHIP**

**Office of the Chief Financial Officer  
and Chief Administrative Officer**

**Commissioner for Patents**

**Office of the Chief  
Information Officer**

*Patent and Trademark Office*

This group is recognized for planning and executing the USPTO's move from Crystal City, Virginia to its new five-building headquarters complex in Alexandria, Virginia. The team completed the first phase moving 2,100 employees from December 2003 to February 2004, overcoming holiday schedules and closures due to inclement weather. The next phase will move 9,000 employees and contractors in March 2005. Their efforts ensured a smooth transition for employees and facilitated uninterrupted agency operations.



## **PERSONAL AND PROFESSIONAL EXCELLENCE**

**Edmund M. Crump**  
Supervisory IT Program Manager

**Timothy M. McMahon**  
Supervisory Patent IT Specialist

**Mary E. Small**  
IT Specialist

*Search and Information  
Resources Administration*

**Robert A. Clarke**  
**Jay P. Lucas**  
Senior Level Advisors

*PCT Legal Administration*

**Horatious Tanyi**  
IT Specialist

*Chief Information Officer*

*Patent and Trademark Office*

The group is cited for implementation of the E-Patent Reference (EPR) system to give patent customers electronic access to U.S. patents and patent application publications referenced during the patent examination process. EPR leverages existing electronic databases to give patent applicants "one-click" access to view, download, and print U.S. patent references at their convenience. As a result of the EPR implementation, USPTO and patent customers will realize substantial savings in labor and processing costs each year.

**Joseph J. Rolla, Jr.**  
**Allen R. MacDonald**  
Group Directors,  
Technology Center 2600

**Paula K. Hutzell**  
**John L. LeGuyader**  
Supervisory Patent Examiners

**Julie E. Burke**  
Special Program Examiner

**Diana L. Oleksa**  
Patent Cooperation Treaty Special  
Programs Examiner

*Commissioner for Patents*

**Leonard E. Smith**  
**Daniel Stemmer**  
Patent Cooperation Treaty  
Legal Examiners

*PCT Legal Affairs*

**Harold P. Smith, Jr.**  
Director of Classification Operations

*Search and Information  
Resources Administration*

*Patent and Trademark Office*

This group is honored for establishing a modernized set of Patent Cooperation Treaty (PCT) search and examination guidelines to be followed by ten international authorities in the search and examination of international applications. The new PCT search and examination guidelines will improve the quality of international search reports and written opinions and will enhance reliance of these search reports and written opinions by over 125 PCT member states in their national patent granting process resulting in reduction of their workload.

## CUSTOMER SERVICE

**Ernest Shaw**  
**Amy W. Forrest**  
IT Specialists

**David Ordoobadi**  
**Kathryn E. Tindle**  
Computer Scientists

**Stephen M. Senkow**  
Supervisory IT Specialist

**Patricia A. Zwirnbaum**  
Lead IT Specialist

*Chief Information Officer*

*Patent and Trademark Office*

The Trademark Postal Team, a partnership between the U.S. Patent and Trademark Office and the U.S. Postal Service, is cited for developing a fully automated e-Gov system that generates and sends bulk mail to the USPS NetPost website for printing, stamping, and mailing. The goal was to improve customer service by providing a fully automated system allowing for electronic submission of Trademark Notices to the USPS for processing. The results of the automated system are a 54% cost reduction for Trademark correspondence and a potential six-day reduction in delivery time from the USPTO to the USPS.

## TECHNOLOGY ADMINISTRATION



*Gold Medal*

## LEADERSHIP

**Charles Clark**  
Chief, Electron and Optical  
Physicist Division

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Clark is honored for establishing the Quantum Information/Bose Einstein Condensation (QIBEC) center of excellence where scientists from around the world can work together on the latest ideas in quantum engineering. QIBEC has been immensely successful, due primarily to Dr. Clark's dynamic leadership style. He created a forum for new developments in quantum communication, cryptography, and information processing, areas where NIST is now preeminent, and has promoted innovation and excellence through his leadership and personal technical excellence.

**Robert Moore**  
Deputy Director for Safety  
and Facilities

*National Institute of Standards  
and Technology*

*Technology Administration*

Mr. Moore is cited for extraordinary innovation and leadership in managing all aspects of the design, construction, and deployment of the NIST Advanced Measurement Laboratory (AML). Through Mr. Moore's leadership, the \$218 million facility was constructed on time and on budget meeting all operational specifications, and will serve as the Nation's preeminent advanced research facility capable of supporting the most advanced scientific discoveries and measurement science in the world.

## **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

**Daniel Fischer**

Supervisory Physicist

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Fischer is cited for pioneering development of a first-in-the-world national facility for soft x-ray absorption spectroscopy in support of U.S. materials technology. His unparalleled measurement capability has enabled breakthroughs in chemical, microelectronic, and data storage industries, and has led to advances in nanotechnology, biomaterials, and superconductors. Dr. Fischer is the quintessential NIST scientist, creating and applying highly specialized measurement science to critical technology problems benefitting U.S. industry and the scientific community.

**Steven Jefferts**

**Elizabeth Donley**

**Thomas Heavner**

Physicists

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is recognized for designing, constructing, operating and continually improving the world's most accurate atomic clock, the NIST-F1 laser-cooled cesium fountain primary frequency standard. NIST-F1, the U.S. national standard for the second, is one of the most visible and widely-used assets of the Department of Commerce, substantially outperforming past atomic clocks, and is demonstrably the most accurate fundamental standard in the world.

**Teresa Schwarzhoff**

**James Dray, Jr.**

**Alan Goldfine**

**John Wack**

Computer Scientists

*National Institute of Standards  
and Technology*

*Technology Administration*

The Government Smart Card (GSC) team is honored for developing the U.S. GSC Interoperability Specification and Framework. This effort required coalescing disparate U.S. Government requirements, reconciling diverse technical and policy interests, inventing new methods of interoperability, and winning support from the public and private sectors, nationally and internationally. Some 30 million cards will be shipped that are compliant with the NIST specification directly supporting essential homeland security and cyber security needs, opening the platform to innovative applications and open competition.



## *Silver Medal*

### **LEADERSHIP**

**Michael Unterweger, Jr.**  
Supervisory Physicist

**Leticia Pibida**  
Physicist

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is honored for national leadership in developing standards for radiation detectors used in homeland security. These standards address the performance of radiological detection equipment to be used by personnel involved in the detection, monitoring and interdiction of illicit radiological material entering and transported through the country such as border control, customs, coast guard and postal services. These standards will provide crucial support for first responders needing reliable measurements of radioactive material in homeland security situations.

### **SCIENTIFIC/ENGINEERING ACHIEVEMENT**

**Steven Brown**  
**Carol Johnson**  
Physicists

*National Institute of Standards  
and Technology*

*Technology Administration*

The team is honored for the development of innovative laser-based calibration methods for improving the accuracy of satellite ocean-color sensors. Their research has directly led to a six percent decrease in the median global ocean chlorophyll 'a' level as determined from satellite measurement, which corresponds to a similar reduction in measured values for the biological intake of carbon by the oceans. These results are important for climate-change researchers tracking global sources and sinks of the carbon dioxide greenhouse gas and will ensure efficient ocean and forest management.

**Theodore Doiron**  
Supervisory Physicist

**Richard Silver**  
Physicist

**Nien Zhang**  
Supervisory Mathematical Statistician

**William Guthrie**  
Mathematical Statistician

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is honored for development of high-accuracy two-dimensional (2D) grid standards needed by U.S. industry for calibration of the metrology and manufacturing tools used throughout semiconductor manufacturing. The NIST standards were designed working with a consortium of semiconductor

manufacturers and calibrated using measurements on a privately-owned state-of-the-art 2D measurement system tied to those of a state-of-the-art NIST 1D measurement system through special NIST-developed measurement techniques.

**Steven Grantham**

**Charles Tarrío**

Physicists

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is recognized for their work combining basic measurement science with high responsiveness to customer needs, in an area of rapid technological change and key economic importance. The group built a major national facility for the optical characterization of extreme ultraviolet (EUV) imaging systems based at the NIST Synchrotron Ultraviolet Research Facility (SURF), and have established NIST as the clear international leader in EUV metrology. In light of their work, NIST has led the effort to standardize EUV optical measurements worldwide.

**Paul Hale**

**Tracy Clement**

Physicists

**Dylan Williams**

Electronics Engineer

**Juanita Morgan**

Physical Science Technician

*National Institute of Standards  
and Technology*

*Technology Administration*

The team is recognized for vision and innovation in the development of the world's first measurement method to fully characterize the response of next-generation optical communication

components. With this new technique, which measures both amplitude and phase at very high frequencies, industry is able to characterize high-speed electrical and optoelectronic devices up to an unprecedented frequency of 110 GHz. Their efforts resulted in industry released NIST-traceable commercial products based on their technology within nine months after proof of concept.

**Susan Krueger**

**Joseph Dura**

**Charles Majkrzak**

Physicists

**Donald Pierce**

Mechanical Engineer

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is cited for scientific and engineering leadership in establishing at the NIST's Center for Neutron Research the Cold Neutrons for Biology and Technology (CNBT), a partnership between NIST, the National Institutes of Health, and six major U.S. universities. Jointly they conceived, developed, and implemented new world-class neutron diffraction and reflection instrumentation, and a new approach for structural biology research that provides the U.S. with totally new capabilities for future studies of key biological systems.

**Jon Pratt**  
Mechanical Engineer

**John Kramar**  
Supervisory Research Chemist

**David Newell**  
Physicist

**Douglas Smith**  
Supervisory Physicist

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is recognized for innovation, scientific contributions, and technical achievements in the measurement and realization of very small forces. The achievements have revolutionized the realization of the unit of force at the micro- and nano-scales and have provided important theoretical and practical contributions to fundamental measurement science. The team has successfully completed efforts to extend the domain of traceable force measurement down to the nano-Newton regime down to the very level of intramolecular forces.

**Michael Tarlov**  
Supervisory Research Chemist

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Tarlov is recognized for his seminal contributions to the science and technology of self-assembled monolayers. Self-assembled monolayers (SAMs) are molecular assemblies, typically a single molecule thick, that form spontaneously on surfaces dipped in a solution of surfactant molecules. They are used in a variety of technologically important applications where they can serve as lubrication or adhesion films, molecular recognition films for chemical and biological measurements, or nanometer components in molecular electronic devices.

## **CUSTOMER SERVICE**

**Christopher Conley**  
Supervisory General Engineer

**Todd Snouffer**  
Mechanical Engineer

**Robert Balinovic**  
**Michael Hatch**  
Planner Estimators

**Christopher Best**  
Planner Estimator (Electrical)

**Nancy Snyder**  
Engineering Draftsman

**Eileen Markum**  
Administrative Office Assistant

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is recognized for completing the construction of a world-class facility, the Advanced Measurements Laboratory (AML) at NIST. The AML construction was completed and accepted on the original contract completion date, within the budget, and with a manageable punchlist which was quickly accomplished. The successful construction of the AML, which includes 350 new state-of-the-art laboratories, is a major advancement in controlling the total environment of laboratory space on a large scale.

**Karen Laney Cummings**  
Director, Technology Competitiveness

**Mark Boroush**  
**John Sargent, Jr.**  
Technology Policy Analysts

**Carl Shepherd**  
Technology Analyst

*Office of Technology Policy*

**Brad Botwin**  
Supervisory Industrial Specialist

**Mark Crawford**  
Trade and Industrial Analyst

*Bureau of Industry and Security*

**Nancy Moore**  
Budget Analyst

*National Technical Information Service*

**Cassandra Ingram**  
Economist

*Economics and Statistics Administration*

**Emily Arakaki**  
International Economist

**Nazakhtar Nikakhtar**  
International Trade Compliance Analyst

*International Trade Administration*

*National Institute of Standards  
and Technology*

*Technology Administration*

The group is cited for preparation of the report, "A Survey of the Use of Biotechnology in U.S. Industry," which provides the first comprehensive Federal survey and statistical data analysis of our nation's biotechnology-related activities. The report represents more than two years of planning and preparation in consultation with more than 3,000 U.S. firms. The analysis confirms that our nation's development and application of biotechnology products and processes are among the most dynamic and innovative activities in the U.S. economy.

## **EXTERNAL AWARDS**

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

#### **Deborah Jin**

Physicist and JILA Fellow

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Jin was honored as the world leader in coaxing collections of fermionic atoms into a single quantum state, analogous to the Bose-Einstein Condensate (BEC) for which Eric Cornell et al. won the 2001 Nobel Prize in Physics. She does this by causing strongly repulsive fermionic atoms in a gas to pair up like electrons in a superconductor. In 1999 she produced the first degenerate Fermi gas of atoms in a tiny cloud of potassium atoms in a magnetic trap. In 2004 she created the first Bose-Einstein “Super Molecule,” a BEC of fermionic molecules, and a Fermi (Cooper paired) condensate.

#### **Charles Tarrío**

Physicist

*National Institute of Standards  
and Technology*

*Technology Administration*

Dr. Tarrío was honored for pioneering contributions to the measurement of extreme ultraviolet (EUV) light. He established a EUV metrology facility at the NIST synchrotron light source that is the world’s leading provider of EUV radiation measurement services. The facility has provided over 1000 tests on EUV optical components fabricated with tolerances at the cutting edge of measurement science. These include EUV telescopes for space experiments, EUV optical systems for semiconductor lithography, mirrors for x-ray lasers, and new devices for generating and controlling EUV light.

#### **Georgia L. Harris**

Physical Scientist/Group Leader

*National Institute of Standards  
and Technology*

*Technology Administration*

Ms. Harris was honored for her vision and leadership for the development and implementation of a comprehensive long-term approach to upgrade state metrology laboratories, improve advanced measurement techniques, and establish extensive proficiency testing systems to ensure the validity of 375,000 mass standards tested annually. Her adaptation of software automated measurements, data collection, calculations, and report generation in state and industry laboratories. Ms. Harris also developed a 40-hour computer-based course for mass calibration to increase the availability of NIST training.



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

*Special thanks to:*

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**Michael R. Osver**

**Sandra Williams**

Incentive Awards Program Officers of the Department

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**Azalea Nunnally – OIG**

**Dawn Washington – PTO**

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**Armed Forces Color Guard  
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