58th Annual Honor Awards Program

2006

United States Department of Commerce

Fifty-eighth Honor Awards Program

Herbert C. Hoover Building Auditorium
14th and Constitution Avenue, NW

November 8, 2006

Introduction
Deborah A. Jefferson
Director for Human Resources Management

Presentation of Colors
Armed Forces Color Guard

National Anthem
Paul Bell

Address
Honorable Carlos M. Gutierrez
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 Gutierrez assisted by Department Officials

Closing Remarks
Deborah A. Jefferson
Director for Human Resources Management

Soloist
Paul Bell

MESSAGE FROM THE SECRETARY

The men and women of the U.S. Department of Commerce serve the Nation in ways that enhance our economic and national security. With responsibilities in the areas of trade promotion, next-generation technology, business development, environmental stewardship, and statistical research and analysis, the Department's broad mandate is to foster economic growth and opportunity for the American people.

This important responsibility frequently demands extraordinary commitment. For example, Commerce personnel provided early warnings and helped to meet the needs of communities devastated during the unprecedented 2005 hurricane season.

Today in this Honor Awards ceremony we recognize those who put themselves in harm's way and the many others who formulate and carry out the programs that make America and American companies and workers stronger, safer, and more competitive.

President Bush said that those in public service should strive to leave a record of excellence. The accomplishments of the caring, talented, and dedicated men and women that we celebrate here meet that goal and set the highest standards for service to the Department and the Nation.

It is with great pride that I salute the recipients of the U.S. Department of Commerce 2006 Honor Awards.

Carlos M. Gutierrez

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

BUREAU OF INDUSTRY AND SECURITY

Gold Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Joel R. Christy
Perry A. Davis
Juventino Martin
David R. Nardella
Criminal Investigators

Office of the Assistant Secretary for Export Enforcement

Bureau of Industry and Security

The Wen Enterprises/Nin Wen, et al. Investigative Team is cited for conducting a highly publicized investigation of an illicit Chinese procurement network. The investigation disrupted a Chinese front company illegally sending sensitive U.S. goods to China for potential military use. The team's work resulted in four subjects prosecuted and collectively sentenced to more than 11 years in prison, assessment of criminal fines exceeding $100,000, and cash and property seized. Proceeds of the illegal activities were valued in excess of over $500,000.

William W. Martin
Criminal Investigator

Office of the Assistant Secretary for Export Enforcement

Bureau of Industry and Security

Special Agent Martin is honored for his role in investigating the activities of Infocom. Infocom was suspected of illegally exporting dual-use commodities in an illicit transfer of technology in connection with the Holy Land Foundation, a terrorist funding organization co-located at Infocom's business address. This investigation resulted in the criminal conviction of Infocom and five individuals for illegal exports, conspiracy, money laundering, and false statements, with the assessment of jail time and $281,000 in fines.

John D. Sonderman
Supervisory Criminal Investigator

Scot B. Gonzales
Kent D. Benjamin
Criminal Investigators

Office of the Assistant Secretary for Export Enforcement

James Sitton
Export Control Officer

Trade Promotion and U.S. & Foreign Commercial Service

Bureau of Industry and Security

The group is recognized for identifying and disrupting U.S.-origin shipments of materials bound for use by illicit weapons of mass destruction (WMD) programs and state sponsors of terrorism. The agents, actively participating in several U.S. government working groups targeting WMD and terrorism-related procurement activities, worked with U.S. federal agents and foreign governments to detain shipments and to approach exporters to obtain their cooperation in denying current and future transactions. These actions directly supported U.S. national security and the President's global war on terrorism.

Silver Medal

LEADERSHIP

Bernard Kritzer
Director, Office of National Security and Technology Transfer Controls

Elroy G. Christiansen
Robert G. Teer
General Engineers

Kelly L. Gardner
Export Policy Analyst

Office of the Assistant Secretary for Export Administration

Julie L. Salcido
Supervisory Criminal Investigator

Office of the Assistant Secretary for Export Enforcement

Jeannette Chu
Export Control Officer

Trade Promotion and U.S. & Foreign Commercial Service

Bureau of Industry and Security

The Boeing Team is recognized for coordinating a $7 billion sale of Boeing 787 aircraft to China while remaining consistent with U.S. national security requirements. Due to concerns with the modernization of the Chinese military, the team worked with Boeing to identify co-production technologies that would gain interagency approval for export to China. The team negotiated highly technical license conditions to minimize technology transfer risk. The results are a sterling example of U.S. government support for American businesses, American jobs, and American security.

ECONOMICS AND STATISTICS ADMINISTRATION

Gold Medal

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Robert A. LaMacchia
Chief, Geography Division

Linda M. Franz
Assistant Division Chief, Geographic Partnership Programs

Brian Swanhart
Assistant Division Chief, MAF/TIGER Operations

Gerard Boudriault
Ricardo J. Ruiz
Daniel Todd
Supervisory Information Technology Specialists

Alfred H. Pfeiffer
Brian John Scott
Supervisory Geographic Specialists

Michael R. Ratcliffe
Janemary G. Rosenson
Supervisory Geographers

U.S. Census Bureau

Economics and Statistics Administration

The team is recognized for creating a spatially accurate nationwide digital mapping database years ahead of schedule and within budget. The team realigned the nation's 11 million linear kilometers of road and increased the accuracy of the database to within 7.6 meters of true location for virtually every roadway in the country. Census operations are now more accurate and less costly. In addition, their efforts resulted in improved products and services throughout the economy, and improved planning, response, and recovery for disaster situations.

Sumiye Okubo
Associate Director for Industry

Carol A. Robbins
Economist

Carol E. Moylan
Chief, National Income and Wealth Division

Barbara Fraumeni
Chief Economist (Former)

Bureau of Economic Analysis

Economics and Statistics Administration

The team is recognized for creating a Research and Development (R&D) Satellite Account to assess the contribution of R&D to Gross Domestic Product and other macroeconomic variables. The team's innovative research captured the impact of R&D, a significant, difficult-to-measure contributor to economic growth and competitiveness, using the national accounts framework and treating R&D as investment. The team's work makes the U.S. the world leader in setting the international standard for national income accounts to adopt the treatment of R&D as investment.

Silver Medal

CUSTOMER SERVICE

Zoe O. Ambargis
Supervisory Economist

Rebecca M. Bess
Hope L. Franklin
Molly A. Weller
Economists

Bureau of Economic Analysis

Economics and Statistics Administration

The team is cited for providing crucial economic information and tools to support economic growth and the effective decision-making of policymakers, businesses, and the American public. The team's work was especially important in assisting with the recovery from Hurricanes Katrina and Rita, and with the U.S. military's proposed base closings and realignments. The team provided users with valuable training on and updates of the Bureau of Economic Analysis' regional economic multipliers, and also provided users more data options on industry detail and vintage of these estimates.

ADMINISTRATIVE/ TECHNICAL SUPPORT

Michael Randall
Douglas Klear
Christopher Siwy
Information Technology Specialists

Brian M. Callahan
Deputy Chief Information Officer

Stephen P. Holliday
Supervisory Information Technology Specialist

Computer Systems and Services Division

Lisa Ninomiya
Economist

David Wasshausen
Supervisory Economist

Carol E. Moylan
Chief, National Income and Wealth Division

Robert Hill
Supervisory Information Technology Specialist

Bureau of Economic Analysis

Economics and Statistics Administration

The team is recognized for the development and implementation of the System for Tabling and Aggregating Time Series (STATS), a centralized and authoritative data repository and processing engine for the Bureau of Economic Analysis' quarterly Gross Domestic Product estimates. The STATS framework encompasses a flexible and integrated system for processing and report generation, including a multiple-level review capability and a "what-if" function. This system has substantially improved processing times, reduced error rates, and enhanced customer service.

INTERNATIONAL TRADE ADMINISTRATION

Gold Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Joseph Spetrini
Deputy Assistant Secretary for Antidumping/Contervailing Duty Policy and Negotiations

Ronald Lorentzen
Director, Office of Policy

Jonathan Herzog
International Trade Compliance Analyst

Judith Rudman
Sally Gannon
Supervisory Import Policy Analysts

Samantha Biondo
Senior Import Policy Analyst

Sarah Keyes
Import Policy Analyst

Import Administration

John McInerney
Chief Counsel for Import Administration

Scott McBride
David Richardson
General Attorneys

Office of the General Counsel

International Trade Administration

The team is recognized for negotiating an innovative bilateral agreement between the United States and Mexico covering imports of cement. The agreement institutes an annual quota of three million metric tons of Mexican cement to be distributed among the various sub-regions of the U.S. affected by shortages. This is notable because the agreement is market-liberalizing, resolves a long-standing trade dispute

between the two countries, and helps ensure that the hurricane-ravaged Gulf Coast will have the resources necessary to rebuild.

HEROISM

Dahir Al-Nader
Firas Muhammed
Commercial Specialists

Trade Promotion and
U.S. & Foreign Commercial Service

International Trade Administration

Messrs. Al-Nader and Muhammed are honored for enduring personal sacrifices and direct, grave risks in order to establish and provide the essential local knowledge and presence to successfully operate the U.S. Embassy's Commercial Section in Baghdad, Iraq. Iraqi citizens, especially professionals, who work for or with the U.S. Government and U.S. firms, are ruthlessly targeted by insurgents, terrorists and organized crime. This meant that they had to expose themselves and their families to considerable risk, including assassination attempts, to carry out their duties.

Silver Medal

LEADERSHIP

Donald C. van de Werken
Director, U.S. Export Assistance Center (USEAC), New Orleans, Louisiana

Trade Promotion and
U.S. & Foreign Commercial Service

International Trade Administration

Mr. van de Werken is cited for his tireless work to rebuild the New Orleans USEAC and the international trade community in New Orleans and southern Louisiana in the wake of the devastation resulting from Hurricane Katrina. His office has reached out to over 1,500 small and medium-sized companies to help get them the assistance they need to revitalize their businesses. Mr. van de Werken's efforts have also galvanized the New Orleans international trade community by assisting companies with over $10 million in export transactions. His efforts have propelled the Department to the forefront of agencies that are delivering results in the New Orleans business community.

PERSONAL AND PROFESSIONAL EXCELLENCE

Megan B. Crowe
International Economist

Christine A. McDaniel
Lead International Economist

Vidya Kori
Joanne G. Sonenshine
Economists

Manufacturing and Services

International Trade Administration

The team is honored for leadership and expertise in responding to a Congressional request on the domestic economic effects of the disparity between U.S. and world market sugar prices. To better understand U.S. sugar policy, the team met with sugar producing and consuming constituencies, as well as with independent economic analysts/ consultants who have published studies on the policy. The result was a report containing a comprehensive literature review, substantial economic data, and analysis, which resulted in widespread press coverage with respect to the ongoing U.S. sugar policy debate.

Office of Western Hemisphere

Office of Latin America and the Caribbean

Industry Analysis

International Trade Administration

The organizations are recognized for their vision, leadership and creativity contributing to the passage and implementation of the United States-Central American-Dominican Republic Free Trade Agreement (CAFTA). The offices developed state-specific CAFTA benefits analyses, which were distributed to each member of Congress and used extensively by the U.S. Trade Representative, the White House and the business community. The organizations' work is building support for Free Trade Agreements by ensuring that U.S. companies can take full advantage of the CAFTA.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Gold Medal

LEADERSHIP

Nancy B. Thompson
Director, Southeast Fisheries Science Center

National Marine Fisheries Service

National Oceanic and Atmospheric Administration

Dr. Thompson is recognized for exceptional leadership in the resumption of the Department's fisheries mission activities in the Gulf of Mexico following the devastating impacts of Hurricanes Katrina, Rita and Wilma. These storms caused many employees to lose their homes and rendered laboratories inoperable. Dr. Thompson provided the support and means necessary to address employees' physical, emotional and professional needs, in addition to restoring mission operations. Her efforts resulted in valuable lessons on the setting of operational priorities after natural disasters.

PERSONAL AND PROFESSIONAL EXCELLENCE

Aircraft Operations Center

National Oceanic and Atmospheric Administration

The Aircraft Operations Center (AOC) is cited for its flawless performance during the record 2005 hurricane season. AOC staff flew 123 hurricane missions, including post Hurricane Katrina flights. NOAA's Citation aircraft took over 7,000 photos in 7 days following Katrina's landfall, which allowed the public to download over 5 million photos of the affected area. NOAA's helicopter crew delivered life saving supplies to both NOAA personnel and facilities in Pascagoula, Mississippi, including the NOAA ships GORDON GUNTER and OREGON II as well as the National Data Buoy Center in Stennis, Mississippi.

National Seafood Inspection Laboratory and Southeast Fisheries Science Center; Mississippi Laboratories

Office of the Chief Administrative Officer, Project Planning and Management Division

Office of Marine and Aviation Operations

National Oceanic and Atmospheric Administration

The organizations are cited for quickly resuming operations to severely disrupted NOAA Fisheries Service's Northern Gulf of Mexico operations following Hurricane Katrina. As part of a collaborative effort and amongst personal losses, the offices accounted for employees; secured on-site hazardous materials; retrieved critical data, specimens and equipment; and flew aircraft to assess hurricane impacts. In addition, the organizations swiftly resumed key survey cruises; collected critical data for the Department to assess marine fishery resources; and resumed national/international seafood inspection for export/import services.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Morris Bender
Timothy Marchok
Meteorologists

Office of Oceanic and Atmospheric Research

Naomi Surgi
Research Physical Scientist

David Michaud
Information Technology Specialist

National Weather Service

National Oceanic and Atmospheric Administration

The group is cited for development of critical improvements to the Geophysical Fluid Dynamics Laboratory Hurricane Prediction System and its implementation into operational hurricane forecasts. In addition, this group greatly expanded the suite of model guidance available to forecasters. These improvements were crucial in producing outstanding operational track and intensity forecasts of Hurricanes Katrina and Rita, two of the most powerful storms to hit the U.S. in 2005. Advanced warning of these devastating catastrophes was vital to mitigating the loss of life and property.

Richard A. Feely
Tsung-Hung Peng
Supervisory Oceanographers

Esa P. Peltola
Christopher L. Sabine
Rik H. Wanninkhof
Oceanographers

Catherine E. Cosca
Dana Greeley
Physical Scientists

Robert D. Castle
Betty E. Huss
Information Technology Specialists

Marilyn F. Roberts
Physical Science Technician

Office of Oceanic and Atmospheric Research

National Oceanic and Atmospheric Administration

The group is cited for its painstaking observations and groundbreaking research over the past fifteen years, showing that the uptake and storage of anthropogenic carbon dioxide by the ocean is causing the pH of the ocean to drop. Ocean acidification, as the phenomenon is called, occurs because the carbon dioxide reacts with the water to form a weak acid. Because ocean calcifying organisms are extremely sensitive to pH levels, ocean acidification has major impacts on corals and other marine life, which could have significant impacts on fisheries, tourism, and other ocean-related economies.

Seth I. Gutman
Kirk L. Holub
Physical Scientists

Stanley G. Benjamin
Supervisory Meteorologist

Susan R. Sahm
Information Technology Specialist

Office of Oceanic and Atmospheric Research

National Oceanic and Atmospheric Administration

The team is honored for its development of Global Positioning System (GPS) meteorology, a new low cost, upper-air observing system that uses GPS to continuously measure the total amount of water vapor in the atmosphere. The team successfully demonstrated new applications for GPS meteorology that are essential to NOAA's Integrated Earth Observing System/Global Earth Observing System of Systems. Their efforts have advanced weather forecasting, climate monitoring and atmospheric research by providing a new way to monitor atmospheric water vapor.

Vera Trainer
Supervisory Oceanographer

National Marine Fisheries Service

National Oceanic and Atmospheric Administration

Dr. Trainer is honored for creating a monitoring program for harmful algal blooms (HAB) that now is funded from fees collected by Washington State for recreational licenses. She strengthened collaborations between Department, state, and tribal partners to develop an early-warning system, using advanced technologies, for transfer to Washington State managers. Reduced time and area closures saved Washington coastal fisheries $3 million each year during bloom events in 2001 and 2003 to 2005. The HAB program is serving as a template in Oregon and for the first-ever HAB monitoring program on a Russian coast.

CUSTOMER SERVICE

Tropical Prediction Center/ National Hurricane Center

National Oceanic and Atmospheric Administration

The Tropical Prediction Center/National Hurricane Center is recognized for providing exceptional products and services during 2005, most notably during the U.S. landfall of major hurricanes Dennis, Katrina, Rita and Wilma. The 2005 hurricane season produced a record number of hurricanes, including three of the six strongest hurricanes in at least the past 150 years. It delivered timely and accurate forecasts and warnings even while storms left its own staff without conventional municipal services for many days, damaged their homes and, in some cases, left their homes uninhabitable.

Weather Forecast Office Jackson, Mississippi

National Weather Service

National Oceanic and Atmospheric Administration

The NWS Forecast Office, Jackson, Mississippi, is cited for issuing warnings an average of 25 minutes in advance for 14 tornadoes on April 6, 2005. The office used innovative technology such as instant messaging to enhance communication of critical weather data with the media and emergency management. The life-saving results were best seen at a school complex where an F3 tornado destroyed the second story and several portable classroom buildings. Advanced warning information enabled the school's staff to implement protective measures for the 700 people at the school, resulting in no injuries.

Weather Forecast Offices:
New Orleans, Louisiana
Mobile, Alabama

Lower Mississippi River
Forecast Center

National Weather Service

National Oceanic and
Atmospheric Administration

The organizations are cited for their high-quality, timely, and definitive warnings during the approach and landfall of Hurricane Katrina. During the event, the staffs remained on duty issuing critical life-saving services to emergency management, media, and the public while high winds, flooding, and damage were occurring in the vicinity of all three offices. During the recovery period, despite horrific damage to the area, and under tremendous personal stress to care for families and sometimes unlivable homes, staffs persevered in providing critical services for recovery efforts.

HEROISM

Christopher Parish
Engineering Technician

National Ocean Service

National Oceanic and
Atmospheric Administration

Mr. Parish is honored for his selfless dedication in providing humanitarian aid to the victims of Hurricane Katrina. After caring for his own family in rural Mississippi, he voluntarily chain-sawed his way into neighborhoods, brought in fuel and water from great distances, secured meals for the poor, and provided critical assistance to emergency personnel, all while risking personal safety. He also served with great distinction as a FEMA volunteer and as a liaison officer to St. Charles Parish, Louisiana, where he coordinated the daily activities of a dozen organizations providing critical aid.

Todd Wilson
Lead Fisherman

Vernon Swiger
Electronics Technician

Mondle Burrell
Engineering Technician

Office of Marine and Aviation Operations

National Oceanic and Atmospheric Administration

The group is recognized for its life-threatening and heroic efforts, which saved the NOAA Ship OREGON II from being torn from her moorings during Hurricane Katrina. As Katrina moved inland and surge waters began to recede, OREGON II was tenuously held to the dock by one mooring line. Leaving their families behind and in the face of great personal peril, the group met at the dock and immediately sprung into action to avert a catastrophe. The group's actions prevented the OREGON II from becoming a casualty of Katrina's wrath.

Silver Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Sarah L. Borakove
David Elliott
Bert S. Ho
Brian A. Link
Robert W. Ramsey
Physical Science Technicians

Alan R. Bunn
Physical Scientist

LCDR Richard A. Fletcher
Deputy Chief, Navigation Services Division

Anthony C. Godette
Warren S. Krug
Electronics Technicians

LT Sarah K. Mrozek
Hydrographic Support Coordinator

National Ocean Service

National Oceanic and Atmospheric Administration

The group is recognized for helping to save lives, restore services and keep supplies and maritime commerce moving through 13 economically-vital Gulf ports and waterways within days after landfall of Hurricanes Katrina and Rita. The group conducted hydrographic surveys for underwater hazards. NOAA's navigation response teams, regional navigation managers, water levels field support and headquarters staff worked tirelessly and under hazardous conditions to implement a large-scale, multi-agency response effort with the U.S. Coast Guard, U.S. Army Corps of Engineers, U.S. Navy, FEMA and local governments.

Edward Little, Jr.
Fisheries Biologist

Charles Armstrong
Deborah Batiste
Elizabeth Bourgeois
Jay Boulet
Horace Flowers, Jr.
Albert Gabel
Linda Guidry
Kathleen Hebert
Gary Rousse
Fishery Reporting Specialists

National Marine Fisheries Service

National Oceanic and Atmospheric Administration

The group is honored for its extraordinary resilience and professional commitment in the first 30 days following the landfalls of Hurricanes Katrina and Rita. Amongst severe personal devastation and major disruptions at work locations, they organized search and rescue missions for fellow Port Agents, and re-established contact with, and gave support to, local fishing communities, often as the only federal presence. Their detailed reports were crucial to informing NOAA social scientists and state and federal agencies on damage to fishing communities and the commercial fishing industry.

Mark W. Miller
James Farr
Robert Jones
Physical Scientists

Pauline Jenne
Jon Reinsch
Information Technology Specialists

Robert Pavia
Glen Watabayashi
Supervisory Physical Scientists

Jerry Muhasky
Mathematician

Debra Payton
Supervisory Oceanographer

William Lehr
Research Oceanographer

National Ocean Service

National Oceanic and Atmospheric Administration

The team is cited for enhancing the CAMEO/ALOHA software to provide users with unprecedented capabilities by adding hazard assessments for fires, explosions and new chemical reactivity predictions. These additions uniquely meet the needs of first responders in the post 9/11 world and provide a powerful, accessible tool for planning and responding to chemical emergencies. The software has seen a tenfold increase in use since 2001. Also, the United Nations Environment Programme adopted CAMEO for use in developing countries, and training has been held in over 50 countries.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Bernadita Anulacion
Sean Sol
Oceanographers

National Marine Fisheries Service

Shailer Cummings, Jr.
Oceanographer

Office of Oceanic and Atmospheric Research

Mark Peterson
Linda Rhodes
Microbiologists

Tracy Collier
Gina Ylitalo
Supervisory Research Chemists

Jon Buzitis
Chemist

Elizabeth Denton
LT William Mowitt
Research Fisheries Biologists

National Marine Fisheries Service

National Oceanic and Atmospheric Administration

The group is recognized for mounting a crucial field effort on the NOAA Ship NANCY FOSTER to address public concern regarding seafood safety in the Gulf of Mexico within 72 hours after Hurricane Katrina struck the Gulf Coast. Using its expertise in field assessment, toxicology and microbiology, the group collected samples around the clock and in the face of unknown hazards. Ten days later, hundreds of Gulf of Mexico fish and seafood were delivered to NOAA laboratories for analysis of their safety for public consumption, thereby saving millions of dollars in potential fishery losses.

Northwest Fisheries Science Center

National Oceanic and Atmospheric Administration

The Northwest Fisheries Science Center (NWFSC) is honored for ensuring the safety of Gulf of Mexico seafood in the wake of the impact of Hurricane Katrina. Within two weeks after the storm and responding to intense public concern, NWFSC laboratory staff worked around the clock to complete multiple analyses of over 400 samples of water, fish and shellfish for chemical and microbial contamination, with five separate reports of no harmful impacts provided within a ten-week period. This data was critical to assure the public that seafood from hurricane-affected areas was safe.

CUSTOMER SERVICE

Sam Albanese
Christopher T. Maier
James J. Prange
Michael A. Richmond
Larry Van Bussum
Edward Zingone
Meteorologists

Mary Jocelyn Perry
David C. White
Electronics Technicians

Aimee M. Devaris
Integrated Services Coordinator

Craig Searcy
Information Technology Specialist

National Weather Service

National Oceanic and Atmospheric Administration

The group is honored for their dedication, customer service and technical support to emergency responders after the catastrophic grounding and oil spill of the 738-foot SELENDANG AYU. The team's efforts led to more efficient and economical recovery operations following this disaster. Their dedication in providing emergency responders with timely and accurate weather information created a safer operating environment during some of the world's most dangerous recovery operations, demonstrating their commitment to safety and the protection of life, property and the environment.

John S. Jensenius, Jr.
Meteorologist

National Weather Service

National Oceanic and Atmospheric Administration

Mr. Jensenius is honored for initiating NOAA's Lightning Safety Awareness Program. He initiated the first Lightning Safety Awareness Week in 2001, and organized a team to work on a national effort to promote lightning safety. He developed awareness themes, public service announcements, and website information. He appeared live on network television to promote lightning safety, and provided lightning graphics for *USA Today*. Since 2001, NOAA's Lightning Safety Awareness Week has saved lives by promoting environmental awareness and improving public understanding of lightning hazards.

Joseph W. Stinus
Director, NOAA NCDDC,
Stennis Space Center, MS

Russell Beard
Elizabeth Schenk-Gardner
Oceanographers

Susan M. Starke
Eric Roby
Information Technology Specialists

Bradlee B. Nunn
Computer Scientist

Mary E. O'Chery
Administrative Officer

Sharon M. Mesick
Geographer

Julie A. Bosch
Technical Information Specialist

National Environmental Satellite, Data, and Information Service

National Oceanic and Atmospheric Administration

The group is honored for dedication and service in restoring operations to the National Coastal Data Development Center (NCDDC) within days after the devastating effects of Hurricane Katrina. The group's actions included assisting in the recovery of staff and others who lost their homes and possessions and developing a Katrina website to link/access imagery, data, maps, and models to assist in recovery programs. Within 60 days, this website had over 1.5 million hits. NCDDC also assisted state agencies in replacing lost equipment and data to restore their operations.

Weather Forecast Office
Milwaukee/Sullivan, Wisconsin

National Weather Service

National Oceanic and Atmospheric Administration

The NWS Forecast Office, Milwaukee/Sullivan, Wisconsin, is cited for providing exceptional life-saving warning services prior to and during Wisconsin's largest single outbreak of tornadoes. Twenty-seven tornadoes touched down in a 24-hour period. The WFO's average warning lead time of 17 minutes was 4 minutes greater than the national average, with lead times of 54 and 9 minutes given in advance of an F3 tornado which struck Stoughton, Wisconsin. The combination of timely warning services, trained spotters, effective emergency management and media partners resulted in only one fatality and few (23) injuries.

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION

Gold Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

David J. Atkinson
Randall S. Bloomfield
Jeffrey R. Bratcher
Eldon J. Haakinson
Eric D. Nelson
Andrew Thiessen
Electronics Engineers

Val J. Pietrasiewicz
Supervisory Electronics Engineer

Kenneth R. Tilley
Technical Writer-Editor

Bruce R. Ward
Electronics Engineer Intern

Institute for Telecommunication Sciences

Dereck Orr
Management and Program Analyst

National Institute of Standards and Technology

National Telecommunications and Information Administration

The team is recognized for establishing and implementing a national strategic approach for telecommunications interoperability among public safety agencies. The team convened the Summit on Interoperable Communications for Public Safety that resulted in the development of public safety requirements for communications and interoperability, and a critical standard for tying communication systems together. The U.S. Congress, government agencies and the public safety community have recognized these accomplishments that advance the lifesaving activities of public safety organizations.

Silver Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Fiona M. Alexander
Telecommunications Policy Specialist

Office of International Affairs

National Telecommunications and Information Administration

Ms. Alexander is honored for negotiating an outcome at the United Nations (U.N.) World Summit on the Information Society (WSIS) that assures the continued stability and security of the Internet's infrastructure. The current U.S. role in overseeing the Internet's domain name and addressing system was directly challenged at WSIS by countries that sought to transition the U.S. role to the U.N. Ms. Alexander's tireless efforts and adroit negotiating skill assured the continuity of U.S. oversight of the Internet.

John R. McFall
Telecommunications Specialist

Office of Spectrum Management

National Telecommunications and Information Administration

Mr. McFall is cited for providing innovative means to rapidly approve radio frequencies for federal responders to the Hurricane Katrina disaster. He provided radio frequencies on a 24/7 basis to all federal agencies and assisted with sharing radio spectrum with the Federal Communications Commission for private sector requirements. Mr. McFall provided direction and guidance to the Department of Homeland Security, Department of Defense, and all other federal agencies that responded to the disaster so that they received clear and interference-free communications in support of their mission.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Brent L. Bedford
J. Randy Hoffman
Electronics Engineers

John D. Ewan
Electronics Technician

Institute for Telecommunication Sciences

National Telecommunications and Information Administration

The group is recognized for developing a highly advanced, mobile radio spectrum measurement system capable of characterizing the latest complex communications and radar signals. The group designed and developed a "plug and play" architecture where new equipment could be connected to a laboratory and used with previous components, thus continually advancing the state-of-the-art. The system allows all tasks to be fully automated and repeatable, eliminating long-standing problems of operator errors and equipment limitations. Their efforts provide a cutting edge measurement capability in support of spectrum management policy.

OFFICE OF INSPECTOR GENERAL

Silver Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

David M. Heil
Supervisory Criminal Investigator

Suzanne M. Courtney
Computer Forensics Investigator

Office of Investigations

Office of Inspector General

The team is cited for investigation and successful prosecution of an employee for possession and production of a large volume of child pornography, and for the use of sophisticated investigative techniques and an extensive international law enforcement network to apprehend the suspect after he fled the country. Their work resulted in the addition of a child victim to the National Center for Missing and Exploited Children (NCMEC) database. Since child pornography prosecutions require proof of an identified victim, the addition of even a single name to the NCMEC database is significant.

Donald E. Nuss
Computer Scientist

Office of Systems Evaluation

Office of Inspector General

Mr. Nuss is recognized for his leadership in developing and enhancing the Office of Inspector General's (OIG's) information security evaluation program, which has advanced the Department's efforts to protect its many critical IT assets. Mr. Nuss' technical expertise and his acquisition of contract resources have allowed OIG to successfully perform evaluations, which identify and offer solutions to significant Department-wide information security issues.

PATENT AND TRADEMARK OFFICE

Gold Medal

LEADERSHIP

Lynne G. Beresford
Commissioner for Trademarks

Amy P. Cotton
Nancy L. Omelko
Attorney Advisors

Eleanor K. Meltzer
Senior Level Attorney

Sharon R. Marsh
Senior Level Trademark Legal and Exam Policy Specialist

Assistant Commissioner for Patents

Patent and Trademark Office

The group is recognized for leadership in developing and executing a successful strategy, on behalf of the United States and American businesses, to update the Trademark Law Treaty of 1994. Due to the group's vision, planning, and strategic efforts the United States was able to sign the "Singapore Treaty on the Law of Trademarks" on March 28, 2006, along with 40 other delegations, the largest number of signatories ever. The revised trademark law treaty makes it significantly easier for American trademark owners to acquire and maintain trademark rights in other countries.

Silver Medal

LEADERSHIP

Elizabeth A. Shaw
Intellectual Property Research Specialist

Susan K. Anthony
John David Rodriguez
Attorney Advisors

Mary Critharis
Patent Attorney

Donald Lawrence Tarazano
Patent Examiner

Assistant Commissioner for Patents

Patent and Trademark Office

The group is honored for leadership in creating and implementing a public awareness and education program on intellectual property rights protection and enforcement. The U.S. Patent and Trademark Office's (USPTO) Intellectual Property Awareness Campaign grew out of a Congressional mandate to "protect intellectual property here and abroad." The USPTO joined other bureaus in a Government-wide Strategy Targeting Organized Piracy (STOP), which gives America's small businesses a chance to recover losses due to intellectual property theft, estimated at $250 billion and the loss of 750,000 jobs per year.

TECHNOLOGY ADMINISTRATION

Gold Medal

LEADERSHIP

Patrick D. Gallagher
Director, NIST Center for
Neutron Research

National Institute of Standards and Technology

Technology Administration

Dr. Gallagher is recognized for leadership, as chair of an interagency National Science and Technology Council working group, in developing a new system for evaluating the performance and needs of national facilities for neutron and synchrotron X-ray research. As a result of his innovative approach, the effectiveness of these major technology resources was greatly enhanced, and new modes of interagency cooperation were created. As part of this enhancement, a major increase in the capabilities of the NIST Center for Neutron Research was included in the American Competitiveness Initiative.

James E. Hill
Director, Building and Fire
Research Laboratory

National Institute of Standards and Technology

Technology Administration

Dr. Hill is cited for leadership of the NIST Building and Fire Research Laboratory through a time of significant change and transition. From the onset of the World Trade Center disaster investigation, he led the organization in a new direction with respect to conducting building failure investigations and directing research and development programs. Dr. Hill significantly strengthened the effectiveness of the Laboratory by providing the fundamental tools, metrics, models, and knowledge, to modernize the codes, standards, and practices used by the Nation's building and fire industries.

Lisa R. Karam
Supervisory Research Chemist

National Institute of Standards and Technology

Technology Administration

Dr. Karam is honored for leading the development of a national infrastructure for standards and measurements for radioactivity and ionizing radiation as it relates to countermeasures to potential terrorist attacks using radiological or nuclear material. Dr. Karam's team developed standards for prevention, detection, response and recovery from radiation attacks, as well as standards for X-ray inspection systems for explosives and radiological material. The equipment ranges from hand-held detectors for responders to large portal monitors for cargo containers.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Jabez J. McClelland
Physicist

National Institute of Standards and Technology

Technology Administration

Dr. McClelland is recognized for leading the development of a novel technique of nanostructure fabrication, which integrates laser cooling of atoms with molecular beam epitaxy. Instead of using lenses made of matter to focus beams of light, Dr. McClelland used lenses made of light to focus beams of matter. He created structures with features far smaller than had ever been achieved by an "optical" technique. In addition, Dr. McClelland demonstrated the highly precise replication of these nanostructures by a molding technique. This has resulted in a new length standard for scanning-probe microscopy, and points the way towards massively parallel fabrication of designer nanostructures.

David B. Newell
Supervisory Physicist

Richard L. Steiner
Physicist

Edwin R. Williams
NIST Fellow

National Institute of Standards and Technology

Technology Administration

The team is recognized for providing the world's best determination of Planck's constant with the unprecedented accuracy necessary to monitor the drift of the last remaining International system of units (SI) base unit defined by an artifact, the Kilogram. This 12-year effort prompted an international redefinition of the SI for 2011. The team set the most stringent drift rate limit of the Kilogram, proved that watt balance technology is the best method for realizing the new SI mass definition, and is leading the world toward a new SI based upon invariant fundamental constants of nature.

Silver Medal

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Barry J. Bauer
Da-Wei Liu
Research Chemists

Christopher L. Soles
Ronald L. Jones
Materials Research Engineers

Eric K. Lin
Supervisory Chemical Engineer

Wen-li Wu
NIST Fellow

National Institute of Standards and Technology

Technology Administration

The team is recognized for development of innovative, powerful methods to measure the structure and properties of nanoporous low dielectric constant thin films essential for next-generation electronics. These methods are now widely used by industry to screen potential materials and develop process integration strategies. Metrology companies such as Bede, Rigaku, Bruker, and Technos have developed products based upon these methods.

Alkan Donmez
Supervisory Mechanical Engineer

Johannes A. Soons
Mechanical Engineer

National Institute of Standards and Technology

Technology Administration

The group is honored for leadership and technical achievements that led to the first-ever harmonization of national and international standards for machine tool performance evaluation. The scientific basis and technical solutions developed by the group were critical to enabling this international consensus. This included innovative methods to measure, and predict machine errors; the first-ever international standard tests for accuracy of machine rotary axes; and a new methodology for the assessment of thermal effects.

Mitchell L. Furst
Physicist

National Institute of Standards and Technology

Technology Administration

Dr. Furst is cited for leading a transformation of the capabilities of Synchrotron Ultraviolet Radiation Facility (SURF) III. Since 2001, SURF III has delivered a 20-fold increase in optical output power. Its operational cycle has increased from 4 hours to 30 hours, allowing round-the-clock reliable and unattended operation. Its calibration services have entered new regions. This greater functionality has enabled NIST to effectively address growing customer demand from the semiconductor industry and NASA missions, while decreasing staff workload.

John J. Kasianowicz
Physical Scientist

National Institute of Standards and Technology

Technology Administration

Dr. Kasianowicz is cited for discovering that by applying an electric field across a single biological nanopore embedded in a lipid membrane, the passage of individual single-stranded DNA molecules created a characteristic signature. This work spawned an entirely new field of science that is being applied to measuring the structure and function of single molecules, developing solid-state nanopores for the electronic sequencing of DNA, and developing new drugs and diagnostics. Dr. Kasianowicz has demonstrated how nanopore technology can be used to rapidly screen for anthrax lethal factor.

Laurie E. Locascio
Biomedical Engineer

National Institute of Standards and Technology

Technology Administration

Dr. Locascio is recognized for leadership of the Microanalytical Laboratory project at NIST, a multi-disciplinary collaboration that developed microfluidic chips with integrated chemistries, as well as understanding the benefits and limitations of very small fluidic systems. Just as miniaturization and integrated fabrication technologies have revolutionized the electronics industry, microfluidic devices are transforming chemical measurement instrumentation. Microfluidic devices cost less, require smaller samples, are easier to use, and dramatically reduce analysis time.

James E. Potzick
Physicist

National Institute of Standards and Technology

Technology Administration

Mr. Potzick is recognized for innovation in the development of standard reference materials (SRMs) for the accurate measurement of sub-micrometer wide lines on photomasks, which embody the patterns printed on semiconductor devices. The production control provided by these SRMs will enable the development of the next generation of semiconductor devices, contributing billions of dollars of economic value to the microelectronics industry. Mr. Potzick's innovative measuring instrument and skillfully applied optical modeling techniques were critical to the accurate measurement of these standards.

William H. Rippard V
Stephen E. Russek
Physicists

Thomas J. Silva
Electrical Engineer

National Institute of Standards and Technology

Technology Administration

The team is recognized for designing and measuring the output of nano-oscillators that rely on electron spin instead of charge, and demonstrating signal locking between multiple oscillators and external frequency sources. Synchronizing nano-oscillators greatly amplifies their microwave output power such that small arrays could be used as reference oscillators or directional transmitters and receivers in cell phones, radar systems and computer chips. Locking to external sources may enable "nano-wireless" communications within or between chips on a circuit board.

Dean C. Ripple
Supervisory Physicist

National Institute of Standards and Technology

Technology Administration

Dr. Ripple is recognized for scientific leadership of programs that have improved the accuracy of temperature measurements and the dissemination of temperature standards. Dr. Ripple has published new measurements resolving a long-standing inconsistency in the International Temperature Scale of 1990 (ITS-90). Dr. Ripple's work was a successful execution of precise, state-of-the-art metrology coinciding with international and public leadership in dissemination of results.

Stephen Semancik
Richard E. Cavicchi
Physicists

Kurt D. Benkstein
Jon Evju
Douglas C. Maier
Research Chemists

Christopher B. Montgomery
Engineering Technician

Michael J. Carrier
Electronics Engineer

National Institute of Standards and Technology

Technology Administration

The NIST Gas Microsensors Team is recognized for scientific achievement in developing Micro-electromechanical based gas microsensors for applications ranging from homeland security to environmental monitoring. The team achieved several scientific breakthroughs in chemical microsensors that enabled them to detect trace amounts of target gas molecules in the presence of complex background gases present at concentrations millions of times higher than the targets. The team's work helps the U.S. in meeting the challenge of protecting the public from intentional releases of dangerous chemicals.

Eric M. Vogel
Supervisory Electrical Engineer

Russell E. Hajdaj
Oleg Kirillov
John S. Suehle
Electrical Engineers

Laurence M. Buck
James C. Owen III
Richard Roppolo
Electronics Technicians

Gerard Henein
Research Engineer

Monica D. Edelstein
Physical Science Technician

Kevin Brady
Computer Specialist

National Institute of Standards and Technology

Technology Administration

The team is recognized for its vision and dedication in developing the NIST Advanced Measurement Laboratory (AML) Nanofab. This facility provides a critical state-of-the-art infrastructure enabling the fabrication of a wide variety of prototypical devices, test structures, measurement instruments, and reference materials down to the nanoscale for NIST and its partners. The NIST AML Nanofab is critical to NIST's quest to solve nanoscale measurement and standards problems impeding the development of nanotechnology, and is a cornerstone of the new Center for Nanoscale Science and Technology.

EXTERNAL AWARDS

SERVICE TO AMERICA MEDAL

William D. Phillips
NIST Fellow

National Institute of Standards and Technology

Technology Administration

Dr. Phillips was recognized as one of America's most creative scientists and as an inspiring ambassador for science and the federal workforce to the public. In 1997, when Dr. Phillips was awarded a Nobel Prize in Physics for his pioneering research on the laser cooling and trapping of atoms, he accepted into his life new responsibilities that he believed came with this great honor. Primary among these was a commitment to share the thrill of discovery and the privilege of a career in government science. Dr. Phillips' dedication and extraordinary devotion to public speaking are legendary, as are the content of his talks. He has given numerous official talks, mostly at universities and conferences. But less common for a Nobel Laureate are the many inspiring talks he has given on his own time to churches, schools, science fairs, senior centers, minority institutions and charitable organizations.

ARTHUR S. FLEMMING AWARD

Bradley K. Alpert
Computer Scientist

National Institute of Standards and Technology

Technology Administration

Dr. Alpert was recognized for a sustained record of fundamental contributions to scientific computing, especially the development of fast algorithms for solving challenging problems of computational physics. His extensive collaborations with scientists and engineers have enabled advances in electromagnetic and acoustic wave propagation, antenna and waveguide design, microcircuits and transducer design, non-destructive testing, and climate modeling. He has also given generously of his time to promote careers in mathematics with students from the high school to post-graduate level.

David M. Anderson
Supervisory Physical Scientist

National Environmental Satellite, Data, and Information Service

National Oceanic and Atmospheric Administration

Dr. Anderson was honored for his excellence in paleoclimatology research for promoting the use, visibility, and availability of pre-instrumental climate data. His work with colleagues from the United States and India provided novel reconstructions of major aspects of the climate system, including the Asian monsoon, El Niño, and the carbon cycle; all processes relevant to NOAA goals in understanding the climate system. Beginning in 2002, Dr. Anderson published four articles on these topics in *Science and Nature,* in just over one year. His research not only provides long-term records

of pre-instrumental climate, including the first multi-century reconstruction of the Southwest Asian monsoon, but also advances our understanding of how key climate processes have varied through time.

Yoshi Ohno
Electronics Engineer

National Institute of Standards and Technology

Technology Administration

Dr. Ohno was recognized for innovative research and international leadership in the optical sciences of photometry and colorimetry. Dr. Ohno's research is accelerating the development of solid-state lighting and its promise of a 10 percent reduction in U.S. electricity usage by providing the tools to assess and optimize the performance of novel light sources. Among the new technologies he has introduced into photometry and colorimetry are absolute calibration methods using cryogenic radiometers.

Carl J. Williams
Chief, Atomic Physics Division

National Institute of Standards and Technology

Technology Administration

Dr. Williams was recognized for definitive theories of the physics of ultracold atoms and molecules and their application to precision measurement, atomic clocks and the new fields of Bose-Einstein condensation and quantum computing. This work has guided the conducting of critical experiments, enabling the attainment of new condensate species and pointing the way to novel quantum information processing applications, such as high-speed quantum cryptography and quantum error correction.

JEANNE E. GRIFFITH MENTORING AWARD

Martin T. O'Connell
Chief, Fertility and Family Statistics Branch, Population Division

U.S. Census Bureau

Economics and Statistics Administration

Dr. O'Connell was recognized for his honesty, integrity, dedication and tireless efforts to enhance the development of junior employees. Throughout his years of federal service, Dr. O'Connell has shown a gracious and collaborative style of leadership. The employees mentored by Dr. O'Connell appreciate his ability to nurture and to develop and expand the capabilities of employees both within his own work unit and in the Census Bureau as a whole.

Many thanks to those individuals who contributed so much to today's program.

Special thanks to:

Office of Human Resources Management Incentive Awards Staff

Michael R. Osver

Michael Dion

Incentive Awards Program Officers of the Department

Cheryl Woodard . . . . . BIS

Bisa Cunningham . . . . . Census

Charlene Gantt . . . . . ITA

Sheila Nichols . . . . . NIST

Jennifer Heyob . . . . . NOAA

Anthony Calza . . . . . NTIA

Azalea Nunnally . . . . . OIG

Gina Bruce . . . . . PTO

Armed Forces Color Guard

Multimedia and Mail Services Division


DEPARTMENT OF COMMERCE
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