55th Annual HONOR AWARDS Program

2003

UNITED STATES DEPARTMENT of COMMERCE

Fifty-fifth
Honor Awards Program

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

September 18, 2003

Introduction
Honorable Samuel W. Bodman
Deputy Secretary

Presentation of Colors
Armed Forces Color Guard

National Anthem
Military Service Band

Address
Honorable Donald L. Evans
Secretary of Commerce

Announcement of Awards
Honorable Otto J. Wolff
Chief Financial Officer and
Assistant Secretary for Administration

Presentation of Gold and Silver Medals
Secretary Evans assisted by Department Officials

Closing Remarks
Honorable Samuel W. Bodman
Deputy Secretary

Soloist
Paul Bell

MESSAGE FROM THE SECRETARY

As Secretary of Commerce, I travel quite a bit throughout the country and the world. Everywhere I go I see how the work of the dedicated men and women of the Department of Commerce, which celebrates its 100th anniversary this year, benefits the citizens of our great Nation by promoting jobs and economic growth in the United States, and advancing the cause of freedom.

In today's challenging times, economic security is a strategic element of national security and homeland security. Our historic mission at the Department of Commerce is to strengthen our national economic security by developing and enhancing opportunities for America's industries, businesses, and workers to succeed and prosper.

The extraordinary variety of accomplishments we celebrate here is evidence of the myriad ways in which the outstanding team at Commerce approaches this vital responsibility. Whether it is opening foreign markets, accurately forecasting severe weather, developing product standards, creating data surveys, protecting ocean resources, streamlining management, or preventing illicit exports, the work done here touches the daily lives of every American.

Public service is a high calling. The public servants we honor today have responded to President Bush's charge to make progress, to achieve results, and to leave a record of excellence, sometimes at the risk of their own safety. They are leaders who have distinguished themselves by their service on behalf of the Department, the Nation, and the world. I am privileged to recognize all of our Gold and Silver Medal Award recipients.

Donald L. Evans

Gold Medal

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

Silver Medal

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

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

leadership

personal and professional excellence

scientific/engineering achievement

organizational development

customer service

administrative/technical support

heroism

OFFICE OF THE SECRETARY

Gold Medal

LEADERSHIP

Office of the Chief Information Officer

Office of the Secretary

The Office of the Chief Information Officer is recognized for its leadership in improving the management of information technology (IT) throughout the Department. Over the past two years, management of the Department's $1.5 billion in annual information technology expenditures has been tightened substantially, new discipline added to the IT planning and investment review process, a new Department-wide IT Enterprise Architecture developed, and the Department's IT Security posture significantly improved.

CHIEF FINANCIAL OFFICER AND ASSISTANT SECRETARY FOR ADMINISTRATION

Gold Medal

LEADERSHIP

Barbara A. Retzlaff
Director, Office of Budget

Chief Financial Officer and Assistant Secretary for Administration

Ms. Retzlaff is recognized for extraordinary leadership in managing all aspects of the Commerce Department's $5.5 billion annual budget. She has shown exceptional skill and ability in effectively advising senior management and representing the Department's interests whether in consultation with bureau managers or in negotiations with Congressional staff. She has been instrumental in restructuring budget activities across the Department to incorporate performance measurement, thereby ensuring that Commerce is investing its budgetary resources as planned and achieving the desired results.

PERSONAL AND PROFESSIONAL EXCELLENCE

Office of Financial Management

Chief Financial Officer and Assistant Secretary for Administration

The Office of Financial Management, under the leadership of James Taylor, is recognized for bringing about a dramatic change in how the Department addresses its financial responsibilities through innovative strategies, technical assistance and a rare blend of skill and commitment. As a result, Commerce has obtained its fourth consecutive unqualified audit opinion, nearly eliminated reportable conditions and material weaknesses, is nearing full deployment of an integrated financial management system, and is developing a consolidated reporting system to further enhance decision-making by managers.

BUREAU OF INDUSTRY AND SECURITY

PERSONAL AND PROFESSIONAL EXCELLENCE

Eugene Lockwood-Shabat
Export Policy Analyst

Office of the Under Secretary

Bureau of Industry and Security

Mr. Lockwood-Shabat is recognized for conceptualizing and managing the Product Identification Tool (PIT), which improves the capacity of foreign governments to identify illicit trade related to the proliferation of weapons of mass destruction. The PIT has become the U.S. Government's foremost software tool to assist foreign governments' Customs and Border Security officials in identifying sensitive dual-use items. This tool, when properly fit into other legal and regulatory systems, will help enforcement agencies around the globe focus more of their resources on illicit trade, facilitating freer and faster movement of legitimate trade while enhancing international security.

Silver Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Steven B. Clagett
Supervisory Export Policy Analyst

Export Administration

Bureau of Industry and Security

Mr. Clagett is recognized for leadership of the Bureau of Industry and Security's Missile and Nuclear Technology Divisions. Since selected to head these divisions in 1999, Mr. Clagett has demonstrated unique technical knowledge and management skills that inspires his staff to take on and conclude assignments in the critical area of export controls on nuclear and missile-related products. He is a forceful advocate for the Department at the Nuclear Suppliers Group and the Missile Technology Control Regime. Mr. Clagett has excelled at addressing personnel, policy, and technical issues, and enhancing the Department's reputation as a major contributor to the export control policy process.

Juventino Martin
Criminal Investigator

Export Enforcement

Bureau of Industry and Security

Mr. Martin is recognized for the successful prosecution of the E.H. Wachs Company, Wheeling, Illinois. This case was initiated based on an anonymous call that the Chief Marketing Manager at Wachs was knowingly selling industrial pipe cleaning equipment to Iranian end-users using intermediaries in Turkey and Canada. Wachs plead guilty to two counts of violating the U.S. embargo against Iran. This plea, which culminated a six year investigation, furthered the Bureau of Industry and Security's core mission to enforce the U.S. export rules, and to deter nations from seeking to develop weapons of mass destruction and support international terrorism.

ECONOMIC DEVELOPMENT ADMINISTRATION

Gold Medal

LEADERSHIP

Mary C. Pleffner
Chief Financial Officer and Chief Administrative Officer

Office of the Assistant Secretary

Economic Development Administration

Mrs. Pleffner is recognized for designing and obtaining Office of Management and Budget (OMB) approval of EDA's headquarters reorganization plan. To minimize the impact of EDA's reorganization on its employees, Mrs. Pleffner sought and achieved OMB approval to use voluntary separation incentive payments. She also managed the successful implementation of the President's Management Agenda. Mrs. Pleffner integrated anticipated outcomes into budget requests, causing the Department to receive a commendation and an unsolicited $15 million increase to EDA's budget in the President's FY 2004 budget request from OMB.

Silver Medal

LEADERSHIP

Louise M. McGlathery
Deputy Chief Information Officer

Office of Finance and Administration

Economic Development Administration

Ms. McGlathery is recognized for leadership resulting in the transformation of the Information Systems Division (ISD) to one of the highest performing organizations within EDA. Ms. McGlathery successfully translated Agency and Department goals and objectives into work unit goals and priorities. Through her leadership and guidance, EDA developed and implemented a sound IT Security Program, and ISD staff accomplished an extraordinary number of additional initiatives, including a major migration to Microsoft Outlook, certification of CAMS, and an enhancement in Web Portal security.

A. Leonard Smith
Regional Director

Seattle Regional Office

Economic Development Administration

Mr. Smith is honored for implementing EDA's investment policies and diversifying the Seattle office's portfolio, dramatically improving office performance in one year. He aggressively pursued investment opportunities within EDA's funding priorities. Private sector investment per each EDA dollar rose from $5 to $25. Total dollars invested per job declined from $8000 to $4000. Over 93 percent of his investments met one of EDA's four priorities, and he led all offices in faith-based entrepreneurship investment. His results led to site visits by senior administration officials. After visiting EDA investments in Southern California, President Bush said, "EDA is doing a good job."

PERSONAL AND PROFESSIONAL EXCELLENCE

Harry P. Paradice, Jr.
Community Planner

Atlanta Regional Office

Economic Development Administration

Mr. Paradice is recognized for providing economic development assistance to the state of North Carolina that was impacted by job losses and plant closures in the textile, furniture and manufacturing sectors. Mr. Paradice successfully implemented the Bureau's proactive approach by promoting economic security in four economically impacted regions of the State. He provided assistance to local stakeholders, pursued Federal financial assistance, organized and directed the processing of proposals and applications, and worked closely with headquarters staff to ensure prompt award implementation.

ORGANIZATIONAL DEVELOPMENT

Jorge D. Ayala
Economic Development
Program Specialist

Marilynn J. Sebby
(posthumous)
Grants Assistant

Austin Regional Office

Vicki R. Hendershot
Management Analyst

Office of Finance
and Administration

Economic Development Administration

The team is cited for initiative and leadership in the design and implementation of the Local Economic Development District Pilot Project which provided for comprehensive reform of a thirty year old investment program in EDA's Southwestern Region. Working with partners at the local level, the project resulted in substantial reductions in personnel costs to the U.S. Government, an increased level of quality service to local governments, and reprogrammed planning dollars, which have been put to better use by the regional office. In addition, the three-year initiative streamlined regional office grant processing operations and reduced the paperwork burden on local development organizations by two-thirds.

ADMINISTRATIVE/TECHNICAL SUPPORT

Darice H. Ahrnsbrak
Computer Specialist

Office of Finance
and Administration

Economic Development Administration

Ms. Ahrnsbrak is cited for advancing EDA's programs, goals and objectives through innovative management of EDA's grants Operations Planning and Control System (OPCS). Through her efforts, the OPCS moved beyond a system used to track agency investment information, to one which delivers accurate management information that is used to further advance EDA's mission. The system produces measurable results, most notably its direct impact on streamlining the application and pre-approval review processes. Her analytical abilities and extensive knowledge of both the grants system and EDA programs enables accurate and timely information to be delivered to both internal and external customers.

ECONOMICS AND STATISTICS ADMINISTRATION

Gold Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Lawrence S. McGinn
Assistant Division Chief for
Continuous Measurement

Grace T. Moe
Chief, American Community Survey
Analytic Staff

Cynthia Taeuber-McIlwain
Survey Statistician

Charles H. Alexander, Jr.
(posthumous)
Supervisory Mathematical Statistician

Bureau of the Census

Economics and Statistics Administration

This team is recognized for leadership, creativity, and innovation in developing the American Community Survey (ACS) to replace the decennial census long form. The ACS is the largest ongoing demographic survey ever conducted in the history of the Census Bureau, currently contacting about 800,000 households every year. The ACS creates a new paradigm for annual and decennial data collection. It provides current, annual data that will revolutionize the basis for Federal, state, and local decision-making and will be an integral component of the Census Bureau's initiative to re-engineer the 2010 Census.

Silver Medal

LEADERSHIP

Deborah E. Bolton
Assistant Division Chief
for Coordination

Jon R. Clark
Assistant Division Chief for
Census Design

David L. Hubble
Assistant Division Chief for
Longitudinal and Expenditure
Survey Design

Bureau of the Census

Economics and Statistics Administration

This group is recognized for leadership in the design, development, and implementation of the Census 2000 Testing, Evaluation, and Experimentation program. This program is the most comprehensive research and assessment program of any decennial census. The Census Bureau designed the program to measure the effectiveness and impact on data quality of the Census 2000 design, operations, systems, and processes, and to guide planning for the 2010 Census and the American Community Survey. The group solved statistical, methodological, operational, and management challenges, completing this program under stringent time, budget, and staff constraints.

Pamela Ann Kelly
Supervisory Economist

Bureau of Economic Analysis

Economics and Statistics Administration

Ms. Kelly is cited for leadership in managing the development of integrated information technology estimation systems for the National Income and Product Account (NIPA) Federal subsector using industry standard databases. The development of these estimation systems is essential to the Bureau of Economic Analysis' (BEA) modernization of the NIPAs to achieve and maintain international comparability. The systems enhance efficiency, produce cost savings, facilitate NIPA modernization efforts, and ensure BEA's position as a world leader in producing National Accounts statistics.

Vicki A. McIntire
Supervisory Survey Statistician

Bureau of the Census

Economics and Statistics Administration

Ms. McIntire is cited for leadership and creativity in improving the effectiveness and efficiency of survey programs through the development of a national off-the-shelf respondent locating system. The software provides a technologically advanced search engine and an integrated set of publically available databases that is designed for locating individuals and households. Given the current environment where the general population is more mobile or transient and, therefore, more difficult to locate than ever before, this has become a major quality and cost issue. Her efforts to identify a viable solution to the survey nonresponse problem has yielded significant success.

Daniel H. Weinberg
Chief, Housing and Household Economic Statistics Division

Campbell J. Gibson
Statistician

Leonard J. Norry
Assistant Division Chief for Housing Characteristics

Louisa F. Miller
Assistant Division Chief for Census Programs

Charles T. Nelson
Assistant Division Chief for Income, Poverty, and Health Statistics

Elva Marie Pees
Information Technology Specialist

Janice A. Valdisera
Supervisory Statistician

Richard A. Denby
Assistant Division Chief for Estimation, Processing and Programming

Robert A. Kominski
Assistant Division Chief for Social and Demographic Statistics

Jorge H. del Pinal
Assistant Division Chief for Special Population Statistics

Bureau of the Census

Economics and Statistics Administration

The group is honored for leadership in revolutionizing the dissemination of Census 2000 data by designing online, electronically delivered products that are easily accessible to all users, from casual readers to technologically advanced professionals. Through extensive consultations with a wide range of data users, technical experts, and other stakeholders, team members identified the priorities and dynamics required to create an exceptionally well-balanced mix of quality data products that met the Census Bureau's goal of fully electronic, leading-edge data

dissemination, while also recognizing the continued need for more traditional data products.

PERSONAL AND PROFESSIONAL EXCELLENCE

Mimi Lee Born
Program Analyst

Bureau of the Census

Economics and Statistics Administration

Ms. Born is honored for analytic, budget, and management contributions to all Divisions within the Decennial Directorate, its leadership, and ultimately to the entire Census Bureau during the implementation and evaluation of Census 2000. Similar contributions and exceptional levels of performance have continued in her support of a major re-engineering of the entire Decennial Census Program for 2010. Her sustained excellent performance over the past six years played a significant role in many of the major successes of the Decennial Census programs.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Laura Zayatz
Mathematical Statistician

Bureau of the Census

Economics and Statistics Administration

Ms. Zayatz is cited for developing and implementing the disclosure limitation methods used to mask data from Census 2000, protecting the confidentiality of respondents. In addition, she tested the disclosure filter for the American FactFinder, allowing the Census Bureau to make its data available with minimal risk of disclosure. She is further recognized for work as Chair of the Disclosure Review Board and as organizer of a conference on privacy and disclosure limitation. She also co-edited the book, *Confidentiality, Disclosure, and Data Access: Theory and Practical Applications for Statistical Agencies*.

INTERNATIONAL TRADE ADMINISTRATION

Gold Medal

LEADERSHIP

U.S. & Foreign Commercial Service Prague

International Trade Administration

U.S. & Foreign Commercial Service Prague is recognized for its dedicated response to a flood that devastated the Czech Republic in August 2002. The flood waters of the Vltava River rose to their highest levels in over 500 years and left more than 200,000 people without shelter, food, water, and clothing. To assist those affected, US&FCS Prague organized a U.S. business flood relief committee and located emergency food, products, and financial assistance. Through its efforts, hundreds of dryers, over 60,000 units of disinfectant, and $1million to pay for over 65,000 Hepatitis A vaccines were donated. Their courageous efforts are an example of what to do and how to pull together to help a host country and its citizens.

PERSONAL AND PROFESSIONAL EXCELLENCE

Beryl C. Blecher
Senior Commercial Officer

U.S. & Foreign Commercial Service

International Trade Administration

Ms. Blecher is cited for opening new export markets and ensuring the ability of U.S. companies to identify opportunities, win contracts and achieve their objectives in three diverse countries of the former Yugoslavia. Constantly on the move, Ms. Blecher worked with companies, buyers, host governments, international organizations and three Ambassadors to generate and protect several hundred million dollars in sales and investments. She consolidated markets for U.S. companies that were not even clearly identifiable before she applied her extraordinary professional acumen.

John F. Brougher, Jr.
Supervisory International
Trade Specialist

Market Access and Compliance

International Trade Administration

Mr. Brougher is cited for the vision, expertise and wise counsel he provided senior U.S. government and business leaders in developing the commercial framework for a new era in U.S.-Russian relations. He facilitated the effective working relationship which developed between the Secretary of Commerce and his Russian counterpart, the Minister of Economic Development and Trade. His insights on key issues, actors, and institutions have helped leaders establish good working relations, defuse trade barriers, and mount trade expansion initiatives. He also made a unique contribution to the creation of the Russian-American Business Dialogue, which advanced the Administration's goal of having the private sector take a leading role in developing commercial relations with Russia.

Silver Medal

LEADERSHIP

Central and Eastern Europe Business Information Center

Market Access and Compliance

International Trade Administration

The Central and Eastern Europe Business Information Center (CEEBIC) is cited for helping U.S. companies discover, explore and succeed in the newly democratic, free-market economies of Central and Eastern Europe. CEEBIC's creative use of the Internet, both print and online publications, and business outreach services has greatly helped U.S. businesses establish a strong presence in the Central and East European region. CEEBIC's work has increased the Department's presence throughout Central and Eastern Europe and significantly furthered U.S. foreign policy objectives. U.S. firms are better able to compete because of CEEBIC's sustained efforts and its success in promoting U.S. commercial interests throughout Central and Eastern Europe.

Michael A. Lally
Senior Commercial Officer

U.S. & Foreign Commercial Service

International Trade Administration

Mr. Lally is cited for support of U.S. national objectives during his service in the U.S. Embassy in Kabul, Afghanistan. In addition, he is recognized for leadership of a commercial portfolio in a difficult business market – Azerbaijan, which is an emerging supplier of oil and gas. Mr. Lally willingly took on challenging assignments such as Afghanistan reconstruction, despite the difficulties faced in his management portfolio in Azerbaijan. Despite the real danger, security problems and chaotic business environment, Mr. Lally was able to develop and firmly establish the Department as an important player in the Afghanistan reconstruction process.

Office of Textiles and Apparel

Trade Development

U.S. & Foreign Commercial Service Frankfurt

International Trade Administration

The Office of Textiles and Apparel and U.S. & Foreign Commercial Service Frankfurt are recognized for cooperation in creating the Administration's centerpiece of the Textile Working Group's program to increase U.S. textile exports. The U.S. was selected to be the 2003 Partnerland for Heimtextil, the largest textile home furnishings show in the world. The Partnerland Program created opportunities for U.S. suppliers of home textiles by promoting global trade, ensuring compliance with our trade laws and agreements, and supporting the U.S. commercial interests at home and abroad.

PERSONAL AND PROFESSIONAL EXCELLENCE

Arrow Augerot
International Trade Specialist

Trade Development

William C. Yue
Attorney Advisor

Office of the General Counsel

Charles P. Hooker
International Trade Specialist

Market Access and Compliance

International Trade Administration

The team is recognized for developing and negotiating the first trade agreement containing binding disciplines on electronic commerce. The team's ability to work through problems and develop creative solutions has resulted in the creation of a model for all future trade agreements related to electronic commerce that will significantly further the Department's goals and objectives related to the growth of the digital economy and to increasing U.S. exports.

Jeffrey M. Rohlmeier
International Trade Specialist

Trade Development

International Trade Administration

Mr. Rohlmeier is recognized for major contributions to the implementation, interpretation, and outreach efforts for the U.S. Safe Harbor Framework. The Safe Harbor is the United States' groundbreaking strategy to comply with the European Union Directive on Data Protection. His dedication and commitment played a critical role in ensuring the continued flow of data (worth billions of dollars) with our largest trading partner. He speaks with authority on the complex issues of data privacy and understands the perspectives of the industries affected by global privacy laws and policy frameworks.

Julie Al-Saadawi
Senior Import Policy Analyst

Robert A. Beadle
Alessandra M. Cortez
Julia E. Hancock
Ozlem Koray
Michael J. Quigley
Steven Q. Winkates
Import Policy Analysts

Laura K. Merchant
Lead IT Specialist System Administrator

Kelly J. Parkhill
Supervisory Import Policy Analyst

Roland L. MacDonald Jr.
Director for Policy and Analysis

Import Administration

International Trade Administration

The group is recognized for creation and administration of a steel import licensing and surge monitoring system in response to the President's directive in the steel safeguards investigation. The team developed a license system that would not only provide accurate "real-time" data on imports, but would also not act as an impediment to trade or prove onerous to steel importers. The Internet-based licensing system which is available 24/7, issues over 1,000 licenses a day and has been praised by both industry and users alike for its simplicity of use, the clarity of its statistical reporting, and the customer service provided to users.

Steel Product Exclusion Team

Import Administration

International Trade Administration

The team is recognized for its work, in conjunction with U.S. Trade Representative (USTR), in the handling and processing of steel product exclusion requests in response to the Section 201 investigation and the Section 203 relief covering various steel products. During December 2001-August 2002, the exclusion team received over 2,000 exclusion requests. It reviewed and analyzed all information submitted on each request and determined, with USTR, whether products should be excluded from the Section 203 safeguard remedy. It excluded over 700 products totaling 3.2 million tons of steel.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Gold Medal

LEADERSHIP

John D. Cunningham
Director, National Polar-orbiting Operational Environmental Satellite System Integrated Program Office

Douglas L. Namian
Chief Financial Officer

James M. Schaeffer
Chief Systems Engineer

Paul L. Wofsy
Chief Software Engineer

David R. Furlong
Deputy Associate Director for Acquisition

Peter A. Wilczynski
Physical Scientist

Hal J. Bloom
Space Segment Manager

Albert B. Spencer, Jr.
Systems Test and Evaluation Lead

Joseph E. Mulligan
Information Technology Specialist

Miguel A. Rosario-Felix
Logistics Management Specialist

National Environmental Satellite, Data, and Information Service

National Oceanic and Atmospheric Administration

The NPOESS Milestone II Team is recognized for its leadership in developing innovative systems acquisition and contractor teaming methodologies to build the next generation environmental polar-orbiting satellites to replace the two civil and

defense satellite systems and create a single, more highly capable and cost effective end-to-end system. The acquisition strategy of Shared System Program Responsibility between the Government and the contractor is a model for future procurement, giving a sense of ownership to both while yielding a high quality, best-value product to the Government.

PERSONAL AND PROFESSIONAL EXCELLENCE

David B. MacFarland
Director, Office of Coast Survey

National Ocean Service

National Oceanic and Atmospheric Administration

Captain MacFarland is honored for leadership, vision and dedication in transforming NOAA's Office of Coast Survey to an outward-reaching organization that responds to the navigation needs of a changing world. He integrated NOAA activities with strategic planning elements to promote safe navigation and reestablished NOAA's position as a world leader in hydrographic science. Further, he developed NOAA's involvement in the initiative to improve the U.S. Marine Transportation System, illustrating NOAA's navigation services in Congressional, interagency and international arenas.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Michael L. Black
Meteorologist

Office of Oceanic and Atmospheric Research

James L. Franklin
Meteorologist

National Weather Service

National Oceanic and Atmospheric Administration

The group is recognized for pioneering an innovative application and interpretation of Global Positioning System (GPS) dropwindsonde data to measure wind structures in the high wind region (eyewall) of hurricanes. Their work has significantly enhanced operations at NOAA's Tropical Prediction Center by improving real-time hurricane wind analyses, hurricane preparedness and mitigation, and the general knowledge of hurricane structure for researchers, forecasters and emergency managers worldwide.

Timothy Crawford
(posthumous)
Supervisory Physical Scientist

Office of Oceanic and Atmospheric Research

National Oceanic and Atmospheric Administration

Dr. Crawford is honored posthumously for pioneering scientific and engineering contributions through untiring personal efforts in establishing and advancing the small environmental research aircraft (SERA) concept for the study of airborne geosciences. His engineering contributions revolutionized the worldwide airborne measurement of global climate change parameters. He invented the BAT (Best Aircraft Turbulence) probe which is now being widely deployed on aircraft as divergent as the four-engine NOAA P-3 and the single-engine Italian Sky Arrow.

Mitchell D. Goldberg
Supervisory Physical Scientist

Eugene D. Legg
Physical Scientist

National Environmental Satellite, Data, and Information Service

National Oceanic and Atmospheric Administration

The group is recognized for leveraging a newly launched NASA research satellite to provide more accurate global observations of the earth's atmosphere to improve weather predictions and environmental monitoring. By exploiting the NASA research satellite, they were able to advance by four years NOAA's planned use of advanced instruments. They developed and implemented, in collaboration with NASA and DoD, a processing system to provide advanced data within two hours to weather forecast centers worldwide—including the U.S. military in Afghanistan and Iraq.

Ernest G. Hildner
Director, Space Environment Center

Patricia L. Bornmann
Physicist, Project Manager SXI

Steven M. Hill
Victor J. Pizzo
Physicists

Richard N. Grubb
Engineer

Office of Oceanic and Atmospheric Research

Patricia J. Mulligan
Eric G. Chipman
Physical Scientists

Daniel C. Wilkinson
Physicist

Ronald J. Hooker
GOES Program Project Engineer

Richard G. Reynolds
Supervisory Electronics Engineer

National Environmental Satellite, Data, and Information Service

National Oceanic and Atmospheric Administration

The team is recognized for giving our Nation a new capability to issue alerts and warnings of imminent severe space weather. Images from the Solar X-ray Imager (SXI) on GOES-12 constitute the greatest advance in NOAA's space weather monitoring in over 25 years. The SXI arose from inter-line office and interagency activities spanning more than 20 years. Products from SXI images are used by the Space Environment Center in Boulder, Colorado, to provide advance notice of potential adverse effects on satellites, astronauts, the Nation's power grid, and other sensitive technological systems.

Weather Event Simulator Development Team

National Weather Service

National Oceanic and Atmospheric Administration

The Weather Event Simulator Development Team is recognized for pioneering work leading to nationwide implementation of simulators that dramatically improve the training of forecasters who are responsible for making critical severe weather warning decisions. Working independently, the team conceived, designed and developed a successful prototype for the Weather Event Simulator. The success and skillful persistence of the team members resulted in a fundamental change in how the National Weather Service trains forecasters for severe weather operations.

CUSTOMER SERVICE

Charles M. Baker
Eric A. Helgeson
Andrew J. Bailey
Meteorologists

National Weather Service

National Oceanic and Atmospheric Administration

The group is honored for timely weather forecasts which saved the lives of 40 fire fighters working the Daley Fire area in northeast Wyoming on June 29, 2002. Based on forecasts of an extreme weather event and efficient U.S. Forecast Service dispatch, fire crews were provided with critical time to evacuate crews from the fire line. Minutes after 40 firefighters were pulled off fire lines and reached designated safety zones, winds in the Daley Fire area increased from 20 mph to 70 mph and switched direction 180 degrees. According to the Campbell County Fire Department Incident Commander "If those meteorologists hadn't been on the ball....None of us could have escaped the awesome power of that fire."

WFO Northern Indiana

National Weather Service

National Oceanic and Atmospheric Administration

The NWS Forecast Office, Northern Indiana is honored for life-saving weather warnings during a tornado outbreak in Van Wert, Ohio, on November 10, 2002. When a tornado touched down in Van Wert County in Ohio, it quickly developed into a powerful F4 tornado that continued on the ground for 53 miles, killing four people in its path across four northwest Ohio counties. One of the most dramatic results occurred at the Van Wert Cinema where the theater's assistant manager led 60 patrons to safety. Half an hour after the tornado warning was issued, the devastating tornado hit the movie theater, dropping cars into the front rows of the theater where children had been watching a movie minutes earlier.

HEROISM

Julia Ruthford
Meteorologist

National Weather Service

National Oceanic and Atmospheric Administration

Ms. Ruthford is honored for rescuing three young men on December 27, 2002, after strong winds capsized the men's catamaran and spilled them into the chilly, rough waters of Henderson Bay in Puget Sound, Washington. While windsurfing, she saw the boat flip and the men thrown into the water. Winds at the time of the accident were sustained around 25 mph, gusting to near 50 mph. Waves were over five feet high. After using her strength to upright the boat, Ms. Ruthford abandoned her own board, climbed in the boat with one exhausted man and sailed the boat over to the other two men still in the water. After rescuing them, she sailed all three men and the boat safely back to shore where paramedics took the men to the hospital.

Silver Medal

LEADERSHIP

Shawn P. Bennett
Supervisory Meteorologist

National Weather Service

National Oceanic and Atmospheric Administration

Mr. Bennett is recognized for continued dedication to the success of the World Area Forecast System. This system has advanced civil aeronautical safety as well as weather forecasts and warnings by providing improved information technology and two-way data flow, coupled with advanced weather forecast and warning tools to meteorological services around the world. His programming and computer systems expertise were crucial to the successful commissioning of the system throughout the Caribbean and Central America in 1996. Without his expertise, the system commissioning would have been delayed, slowing the benefits to improved international aviation safety.

F. James Holitza
Director of Administration
and Research, Forecast
Systems Laboratory

Office of Oceanic and
Atmospheric Research

National Oceanic and
Atmospheric Administration

Mr. Holitza is recognized for the procurement and implementation of radically new supercomputer architecture at NOAA's Forecast Systems Laboratory. The new supercomputer, based on commodity technology, was rated in November 2002 as the eighth fastest computer in the world, yet it cost much less than a conventional computer of comparable speed. Mr. Holitza recognized the important dual function of this supercomputer - to open global markets to U.S. manufacturers and to advance the models for weather, climate and oceans. His work highlights the Department's support for U.S. industry while at the same time proving that the best research can also be the most cost effective.

John S. Ramsdell
Supervisory Research Physiologist

National Ocean Service

National Oceanic and
Atmospheric Administration

Dr. Ramsdell is honored for designing a novel organizational structure that responds rapidly to coastal managers' needs during marine mortality events. Marine mortality events require custom-designed solutions to provide resource managers timely and precise information for accurate decision making. Information from the Marine Biotoxins Program and the Analytical Response Team was not meeting these requirements. In response to this issue, Dr. Ramsdell established a new direction for the Analytical Response Team and aligned the staff to a "sense-and- respond" organizational design. As a result, the adaption of this organizational model created a highly successful method of readiness and capability in marine mortality response.

Richard G. Reynolds
Supervisory Electronics Engineer

Charles S. Bryant
Information Technology Specialist

Katy M. Vincent
International Relations Specialist

Timothy J. Walsh
Supervisory Physical Scientist

Eric G. Chipman
Thomas M. Renkevens
John J. Pereira
Physical Scientists

National Environmental Satellite, Data, and Information Service

Robert O. Masters
Supervisory Physical Scientist

National Weather Service

Glenn E. Tallia
Senior Counselor

Office of the General Counsel

National Oceanic and Atmospheric Administration

The group is cited for negotiation of an agreement to provide emergency geostationary satellite back-up for the Japanese Government. In 2002, the Japan Meteorological Agency requested the "loan" of a satellite to provide emergency backup for their failing Geostationary Meteorological Satellite-5 (GMS-5). The GMS satellite's critical environmental coverage for Japan is also a key component for western Pacific coverage for the National Weather Service and the Department of Defense in their monitoring of severe weather and in meeting mission requirements in the Western Pacific. The team assessed the feasibility of moving a U.S. satellite over the Pacific Ocean to provide the required coverage and resolved the many diplomatic and technical issues.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Vernon E. Kousky
Supervisory Meteorologist

Raymond W. Higgins
Meteorologist

National Weather Service

National Oceanic and Atmospheric Administration

The group is recognized for the successful prediction of the 2002-03 El Niño with a lead time of six months. This six month lead time was earlier than any prior El Niño forecast since operational forecasts began and enabled worldwide users to prepare for drought, drought relief, and excessive rainfall, and in the process save millions of dollars. For example, more accurate hurricane outlooks enabled coastal areas to plan for a lighter than normal hurricane season and to make informed decisions on ordering emergency supplies and tourism planning. Their predictions also led to successful outlooks for the level of Atlantic seasonal hurricane activity during 2002 and national/international El Niño impacts during winter 2002-03.

Dennis G. Milbert
Geodesist

Kurt W. Hess
Oceanographer

Bruce B. Parker
Robert J. Wilson
Supervisory Oceanographers

National Ocean Service

National Oceanic and Atmospheric Administration

The group is honored for developing a vertical datum transformation tool (VDatum) and for demonstrating its importance to NOAA operations and national applications. The first tool of its kind, VDatum allows users to transform bathymetric and topographic elevation data among 28 orthometric, ellipsoid and tidal datums. This allows NOAA and the public to seamlessly integrate spatial data, take advantage of new technologies such as real-time kinematic GPS and LIDAR, and improve NOAA's efficiency in acquiring accurate bathymetric and shoreline data. The group created a scientific tool that removes a serious impediment to data sharing, revolutionizing the conduct of geospatial data collection for the Nation.

Stephen B. Reilly
Paul R. Wade
Andrew E. Dizon
Supervisory Research Fishery Biologists

Lisa T. Ballance
Supervisory Ecologist

Susan J. Chivers
Karin A. Forney
Wayne L. Perryman
Research Fishery Biologists

Meghan A. Donahue
Fishery Biologist

Elizabeth F. Edwards
Research Fishery Biologist, Team Leader

Paul C. Fiedler
Oceanographer

Timothy Gerrodette
Operations Research Analyst

National Marine Fisheries Service

National Oceanic and Atmospheric Administration

The group is cited for forming and executing a complex, multi-year, multi-disciplined, scientific research program to determine if the chasing and encircling of dolphins in the eastern tropical Pacific yellowfin tuna fishery was affecting the recovery of depleted dolphin stocks. In order to provide the most relevant and complete scientific research possible in the fulfillment of the Congressional mandate, NOAA scientists successfully completed over 15 research projects as part of the overall program, which was designed to investigate multiple potential hypotheses for the dolphins' continued depleted status.

Teresa K. Rowles
Janet E. Whaley
Kenneth L. Hollingshead
Fishery Biologists

Ruth Y. Ewing
Veterinary Medical Officer

Roger L. Gentry
Biologist

National Marine Fisheries Service

National Oceanic and Atmospheric Administration

The group is recognized for establishing an unprecedented standard in the understanding of the impacts of sound on marine mammals. During March 2000, 16 beaked whales were stranded at locations in the northern Bahama Islands. Concurrently, the U.S. Navy was conducting operations, including sonar activities, near the Bahamas. Throughout an emotionally-charged public debate, the group investigated the source of the strandings. Their results significantly furthered the Department's ability to identify ways to prevent or mitigate adverse impacts from sonar and other anthropogenic noise on marine mammals.

Norman D. Smith
Carl X. Fefe
Cartographers

Barbara E. Gray
IT Specialist

Thomas J. Loeper
General Engineer

National Ocean Service

National Oceanic and Atmospheric Administration

The group is recognized for developing and implementing Print-on-Demand and Electronic Commerce for NOAA nautical charts. The team radically advanced the state-of-the-art in nautical chart production and NOAA's ability to quickly and accurately transmit critical navigation data to mariners. Nautical charts are the fundamental tool of marine navigation. This critical resource, published and maintained by NOAA, provides for safe and efficient use of our waterways and for the protection of our marine environment. This transformational engineering achievement has changed the product, the delivery means, and the mariner's perception of the service provided by NOAA and the Department.

ORGANIZATIONAL DEVELOPMENT

Robert H. Kidwell
Supervisory Information Technology Specialist

Office of the Chief Information Officer

Monica M. P. Matthews
Deputy Director for Human Resources Management

Beverly A. Smith
Human Resources Specialist

Lillian L. Barnes
Supervisory Information Technology Specialist

NOAA Finance and Administration

Hilda S. Gohrband
IT Specialist

National Environmental Satellite, Data, and Information Service

National Oceanic and Atmospheric Administration

The group is cited for implementing E-Learning@NOAA, an innovative system for improving employee development and training. This learning system provides 24/7 access to over 1,600 courses on a wide variety of topics at a modest annual per student cost. Initially launched with 1,200 users, the system has grown to 7,000 users within NOAA. It provides equal access to learning for NOAA's hundreds of field offices and remote locations. Learning can also take place "just in time" where students receive training in order to respond to immediate issues. E-Learning@NOAA enables employees access to career enhancing opportunities, and improves the organization's ability to better recruit, retain, and develop its workforce.

Craig N. McLean
Director, Office of Ocean Exploration

Stephen R. Hammond
Chief Scientist for Ocean Exploration

Joseph G. Wargo
E. Michael Kelly
Paula Keener-Chavis
Margot L. Bohan
Program Analysts

Joanne Flanders
Executive Assistant

Stephanie D. Balian
Public Affairs Specialist

John J. McDonough
Physical Scientist

Office of Oceanic and Atmospheric Research

Brian Johnson
Environmental Analyst

National Ocean Service

National Oceanic and Atmospheric Administration

The group is recognized for creating the Nation's first science program dedicated to exploring the oceans and for creating an entirely new method of scientific cooperation. In only two years, the group's efforts have resulted in a remarkable increase in the pace and volume of scientific discovery. The program executed over 40 expeditions and projects in that time, twice that which was expected of it. It has also reduced the time from the inception of a scientific proposal to the delivery of results to the public, from several years to only months. These efforts have not only led to a significant volume of scientific accomplishment, but also enhanced public appreciation for the agency's scientific leadership.

CUSTOMER SERVICE

WFO Austin/
San Antonio, Texas

National Weather Service

National Oceanic and
Atmospheric Administration

The NWS Forecast Office, Austin/San Antonio, Texas is honored for providing life-saving weather warnings during unprecedented flooding in south central Texas in June and July 2002. During this period, over 30 inches of rain fell causing 30 counties to suffer extensive flooding with 20 declared Federal disaster areas. Millions of people were impacted by the magnitude and severity of the flood, yet loss of life was minimized by the aggressive response of the public to warnings and services originated by WFO Austin/San Antonio. The longevity and magnitude of the event required creative staffing, personal sacrifice, and flexibility to address extensive non-routine duties for an extended time.

WFO Birmingham, Alabama
WFO Jackson, Mississippi
WFO Morristown, Tennessee

National Weather Service

National Oceanic and
Atmospheric Administration

The NWS Forecast Offices are honored for providing advanced warnings and using innovative customer service techniques to save lives during a major tornado outbreak during the Veteran's Day weekend on November 9-11, 2002. The three offices issued 102 tornado warnings giving citizens time to take cover. They also used creative approaches including Instant Messaging to communicate directly with the media and warnings paged to emergency officials even while at tornado scenes. The most devastating tornado destroyed 150 homes and businesses, seriously damaged another 350, and produced in excess of $60 million in damage. The NWS Forecast Offices provided exceptional warning services and were lauded by officials and the public for saving lives.

WFO Indianapolis, Indiana

National Weather Service

National Oceanic and Atmospheric Administration

The NWS Forecast Office, Indianapolis, Indiana is cited for thorough preparedness planning with community leaders over a period of years in preparation for a tornado disaster. A thorough and rigorous in-house training regimen culminated in exemplary forecast and warning services when tornadoes ravaged high-population areas of central Indiana on September 20, 2002. One of these tornadoes, an F3, was the second longest tornado track in Indiana history. In all, twelve counties were impacted–130 injuries, $156 million in damages, but no fatalities. The accurate and timely warnings issued by WFO Indianapolis provided valuable lead time for people to seek protective shelter, minimizing the risk of more injuries from these damaging tornadoes.

WFO Medford, Oregon

National Weather Service

National Oceanic and Atmospheric Administration

The NWS Forecast Office, Medford, Oregon is honored for its dedication and support of fire suppression activities during southern Oregon's most damaging fire season in 70 years – Summer 2002. During the season, multiple wildfires raged out of control, burning well over 600,000 acres. When the fire season came to a close, the staff of WFO Medford had issued a total of 818 detailed site specific spot forecasts, logged 1,680 hours of on-site fire suppression support, and worked 69 additional days covering shifts. WFO Medford's action during this fire season went beyond the mere performance of duty to a level of self-sacrifice that allowed them to provide exemplary customer support during a prolonged period of critical weather.

ADMINISTRATIVE/ TECHNICAL SUPPORT

April J. Wolstencroft
Management and Program Analyst

Randolph A. Wilkins
Information Technology Specialist

Karen L. Salvini
Fishery Management Specialist

National Marine Fisheries Service

National Oceanic and Atmospheric Administration

This team is cited for developing the NOAA Fisheries Public Consultation Tracking System, a Web-enabled application allowing customers applying for Federal permits to alter protected habitats to track the progress of consultations on their specific action. The new system expands the Department's reporting and monitoring capability to ensure that the goal of managing coastal and ocean resources through ecosystem based management is met. While the development of this system was initially perceived as challenging because of conflicting objectives, software complexities, and incorporating immense amounts of existing information into the database, the team was nevertheless able to design, test, and implement the system in only one year.

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION

Gold Medal

SCIENTIFIC/ENGINEERING ACHIEVEMENT

William R. Slye, Jr.
Telecommunications Manager

Delmon C. Morrison
Telecommunications Specialist

Gary M. Patrick
Electronics Engineer

Office of Spectrum Management

National Telecommunications and Information Administration

The group is honored for developing a unanimously-supported plan to make telecommunications spectrum available for advanced third generation (3G) wireless systems. For over 10 years, the Federal Government had come up empty in finding more spectrum for cellular telephone service, as well as for high-speed data services over cell phones. Overcoming significant interagency challenges, the NTIA team developed an engineering solution that provides a 45 percent increase in spectrum resources. The 3G plan promotes economic growth while protecting national security and public safety.

Silver Medal

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Stephen N. Wolf
Electronics Engineer

Margaret H. Pinson
Computer Engineer

Institute for Telecommunication Sciences

National Telecommunications and Information Administration

The group is cited for contributions to the advancement of digital video quality measurements. New types of standardized objective digital video quality measurement methods and results which work for new video–based products and technologies are desperately needed by the telecommunication industries and standards bodies. Their efforts included the development and distribution of video quality measurement tools to U.S. industry, and the development of national/international objective video quality measurement standards. These new and innovative techniques to measure the quality of digital video pictures will significantly enhance the competitiveness of U.S. companies and will lead to higher quality products for consumers.

OFFICE OF THE GENERAL COUNSEL

Gold Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Melissa B. Mannino
Attorney Advisory

Anstruther Davidson
General Attorney

Office of the General Counsel

Michael Scott Imbrogna
Criminal Investigator

Bureau of Industry and Security

Office of the General Counsel

The group is honored for investigation and prosecution of the Sigma-Aldrich export control case. A Sigma-Aldrich subsidiary and its predecessor were suspected of committing more than 1,000 violations of the Export Administration Regulations by exporting biotoxins, useful in biological weapons development, without the required export licenses. The case obtained a $1.76 million penalty and an important legal ruling on the issue of successor liability. No recent case has been as effective in driving home the need for businesses to take export control compliance into account in all phases of their activities.

OFFICE OF THE INSPECTOR GENERAL

Silver Medal

PERSONAL AND PROFESSIONAL EXCELLENCE

Heidi L. Alves
Program Analyst

David P. Charbonneau
Supervisory Auditor

Office of Audits

Office of the Inspector General

The group is recognized for valuable contributions in working to increase the Department's effectiveness in its salmon recovery efforts. Their recent review of the Salmon Research Plan developed by the National Marine Fisheries Service's Northwest Regional Office and Northwest Fisheries Science Center resulted in a number of significant improvements related to planning and accountability for this high-profile and often contentious issue.

Jennifer H. Nobles
Kristen M. Johnson
Eleazar O. Velazquez
Program Analysts

Office of Inspections and Program Evaluation

Geoffrey A. Johnson
Criminal Investigator

Office of Investigations

Office of the Inspector General

The OIG inspection team is cited for evaluation of the Bureau of Industry and Security's (BIS) export enforcement efforts. The review was done at the request of the U.S. Congress. The team made significant contributions to improve BIS' program to enforce dual use export controls and to prevent the illegal diversion of U.S. technology and goods to countries or entities of concern. The team also prepared five reports or memorandums to complete their review, including a significant portion of an interagency OIG review of Federal export enforcement reports.

Karen L. DePerini
Program Analyst

Office of Systems Evaluation

Office of the Inspector General

Ms. DePerini is recognized for leadership and extensive procurement knowledge, which have contributed significantly to the Office of the Inspector General's ability to oversee and improve procurement management throughout the Department. Ms. DePerini has made notable improvements on numerous information technology acquisitions, which present particularly complex issues. Ms. DePerini's expertise has reached beyond the Department to the Federal government as a whole.

PATENT AND TRADEMARK OFFICE

Gold Medal

LEADERSHIP

Robert M. Anderson
Deputy Assistant Commissioner
for Trademarks

Commissioner for Trademarks

Lois E. Boland
Patent Attorney

Office of Legislation and
International Affairs

Wesley H. Gewehr
Administrator for Information
Dissemination

Chief Information Officer

Frances M. Michalkewicz
Senior Advisor on Planning and
Financial Management

Chief Financial Officer and
Chief Administrative Officer

Bradford R. Huther
Senior Advisor

Stephen G. Kunin
Deputy Assistant Commissioner for
Patent Policy and Projects

Under Secretary and Director

Patent and Trademark Office

The group is recognized for development of a Strategic Plan which creates a quality-focused, highly productive, responsive organization supporting a market-driven intellectual property system for the 21st Century. There are an estimated seven million pending applications worldwide, and the annual workload growth rate is in the range of 20 to 30 percent. As a result of this backlog, America's ability to remain competitive in innovation and the global marketplace was seriously at risk. The 21st Century Strategic Plan takes a global perspective by envisioning the patent and trademark systems of the future that American innovators would need to remain competitive around the world.

Lois E. Boland
Jon P. Santamauro
Patent Attorneys

Office of Legislation and International Affairs

Charles A. Pearson
Director, Office of Patent Cooperation Treaty Legal Administration

Richard R. Cole
Leonard E. Smith
Patent Cooperation Treaty Legal Examiners

Susan C. Wolski
Special Program Examiner

Assistant Commissioner for Patents

Patent and Trademark Office

The team is cited for negotiating skills leading to the adoption of the first major modifications to the Patent Cooperation Treaty (PCT) in over 15 years. They served as a board of experts, subjecting each proposal for reform and each proposed change to the regulations to detailed scrutiny, and comparing all of the specific clauses against every aspect of U.S. patent law (treaty, statute, case law, regulation and practice) to find hidden interpretations and principles that clashed. The streamlining and simplification objectives were realized through the adoption of Treaty reforms which combine the PCT search and examination procedures to reduce the amount of duplicative work being performed during international stage processing.

Silver Medal

LEADERSHIP

Richard V. Fisher
Group Director,
Technology Center 1700

Allen R. MacDonald
Group Director,
Technology Center 2600

Joseph J. Rolla, Jr.
Group Director,
Technology Center 2600

Esther M. Kepplinger
Deputy Commissioner for Patent Operations

Commissioner for Patents

David L. Lacey
Administrator for Patents Training

Under Secretary and Director

Patent and Trademark Office

The group is cited for leadership in the development and implementation of the In-Process Review (IPR) program. The IPR is a formalized process for determining the quality of work products produced during the examination of patent applications. The end product of these efforts will provide 13,000 reviews of patent work products this year, provide improved feedback to the patent examiners about both positive aspects of their work as well as areas for improvement, and provide a more effective means to support and implement corrective actions for deficient work. The IPR program and materials have achieved wide acceptance as tools for quality measurement and the enhancement of patent examination work product quality.

Thomas O. Kenton
Director, Office of Systems and Network Management

Chief Information Officer

Patent and Trademark Office

Mr. Kenton is cited for ensuring around-the-clock availability of USPTO's automated systems. High availability of systems allows USPTO customers to access search and information systems and electronically file Patent or Trademark applications from anywhere in the world at any time. Mr. Kenton's exceptional management skills ensured that over 100 terabytes of information, over 100 separate office automation file servers, 250 NT and UNIX servers, and a UNISYS Clearpath server are maintained to the highest levels and operational virtually 24/7.

Robert W. Saifer
Director, International Liaison Staff

Harold P. Smith, Jr.
Director of Classification Operations

Gary L. Auton
John W. Leonard
International Technical Projects Specialists

Patricia K. White
Patent Classification International General Fields

Commissioner for Patents

Stephen G. Kunin
Deputy Assistant Commissioner for Patent Policy and Projects

Under Secretary and Director

Patent and Trademark Office

The group is cited for negotiation and implementation of the Reformed International Patent Classification System (IPC). Patent classification systems are the primary tool that patent examiners use internationally in order to locate the most pertinent technical literature needed to evaluate the patentability of inventions. When the IPC was originally created, the functioning of this system was seriously flawed and no major patent office was able to use it as their primary search tool. As a result of the group's leadership, U.S. patent examiners will again be able to search foreign patents in a classified search and retrieval system and be assured that the most relevant prior art will be easily discovered through this new and effective search tool.

PERSONAL AND PROFESSIONAL EXCELLENCE

Russell E. Adams, Jr.
Timothy P. Callahan
Deborah D. Jones
Supervisory Patent Examiners

Michael Sigda
Supervisory Information Technology Specialist

Esther A. Williams
Secretary

Stewart J. Levy
Group Director,
Technology Center 2100

Commissioner for Patents

William Way
General Attorney

General Counsel

Lavon E. Proctor
Human Resources Specialist

Chief Financial Officer and Chief Administrative Officer

Patent and Trademark Office

The group is recognized for creating the Patent Telework Program. The approximately seven hundred employees selected to participate had to be trained on the program rules and guidelines. In just ten days, the team wrote training material requirements for the participants and developed an online video orientation that was used to train the participants at their workstations using the USPTO computer network. This was the first time a major program implementation used online training for employees to meet a training requirement. This program will benefit the USPTO and the Metropolitan Washington area by reducing commuting trips of hundreds of USPTO employees every week.

ADMINISTRATIVE/TECHNICAL SUPPORT

Web Services Division

Under Secretary and Director

Patent and Trademark Office

The Web Services Division (WSD) is cited for leading the effort in revamping the USPTO's Internet presence. The WSD staff designed a new USPTO homepage and worked with a contractor to conduct usability tests and adjust the design. They extended this work to create a bridge between the new navigation and the pre-existing content. The WSD continually strengthens and improves the website in response to customer inquiries, requests from other Federal agencies, and the ever-changing needs of the USPTO's operating environment. In addition, the WSD has realized cost savings by leveraging FirstGov's search capabilities thereby avoiding the costs of developing and supporting its own search engines for the website.

TECHNOLOGY ADMINISTRATION

Gold Medal

LEADERSHIP

Roger B. Marks
Physicist

National Institute of Standards and Technology

Technology Administration

Dr. Marks is recognized for leadership, strategic vision and initiative in establishing and leading the global development of a suite of international standards for broadband wireless access technology. The standards are being integrated into companies' commercialization strategies, and are enabling a new generation of products to bridge the "last mile" into homes and offices with high-speed wireless Internet access. His technical guidance and skillful leadership has well-positioned U.S. companies to be competitive in the global wireless technology market.

Albert C. Parr
Supervisory Physicist

National Institute of Standards and Technology

Technology Administration

Dr. Parr is recognized for strategic leadership in building major technical programs responsive to measurement needs of the Nation. These include the needs of the military for effective night vision sensors and missile detection systems and the needs of remote sensing networks for high accuracy optical radiation instruments to measure global climate change. In addition, he addressed the needs of the microelectronics industry for non-contact optical probes of manufacturing processes, and the needs of major manufacturing sectors for sophisticated color and appearance standards to ensure quality of consumer products.

Jack E. Snell
Director, Building and Fire
Research Laboratory

National Institute of Standards and Technology

Technology Administration

Dr. Snell is cited for leadership at the NIST in responding to the September 11, 2001, terrorist attacks. He led the NIST/ Department of Commerce response to the World Trade Center disaster, the only known case of a total structural collapse in a high-rise building where fires played a significant role. He successfully launched a comprehensive investigation, a research and development program, and a dissemination and technical assistance program to permanently change building design practice and building codes and standards. He conceived of and recommended the creation of the National Construction Safety Teams to investigate future building failures similiar to how the National Transportation Safety Board investigates transportation accidents.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

William F. Egelhoff, Jr.
Research Chemist

National Institute of Standards and Technology

Technology Administration

Dr. Egelhoff is honored for leadership in the science and engineering of magnetic thin films, which are the key elements in the next generation of magnetic sensors and high-density magnetic storage devices. He developed the world's most instrumented thin film deposition facility, the Magnetic Engineering Research Facility, which has enabled him to measure and control deposition processing conditions better than anyone else in the world. He has used this facility to provide unsurpassed understanding of the processing-property relationships in the preparation of thin magnetic films, thus showing how controlled processing in an industrial environment can greatly enhance materials performance.

Richard G. Gann
Senior Research Scientist

National Institute of Standards and Technology

Technology Administration

Dr. Gann is recognized for distinguished scientific and engineering achievements in the field of fire safety science. The primary source of ignition contributing to residential fire deaths in the United States is a misplaced lit cigarette. He developed methods for quantifying the propensity of cigarettes to ignite soft furnishings that led to a consensus industry rating standard and the development of cigarettes that are significantly less prone to starting an unintentional fire on upholstered furniture. He also established a scientific foundation for selecting environmentally safe fire suppressants for aircraft applications that has been adopted by the U.S. Air Force.

Michael D. Garris
Patrick J. Grother
Robert M. McCabe
Ross J. Micheals
Computer Scientists

P. Jonathon Phillips
Fernando L. Podio
Elham Tabassi
Electronics Engineers

Craig I. Watson
Information Technology Specialist

Charles L. Wilson
Supervisory Mathematician

Stephen S. Wood
Mathematician

Martin Herman
Supervisory Computer Scientist

National Institute of Standards and Technology

Technology Administration

The team is cited for implementing a comprehensive program in biometrics testing and standards whose results are crucial both for the United States visa issuance and border entry-exit systems, and for the future development of the entire biometrics industry. Biometrics are automated methods of recognizing a person based on physical or behavioral characteristics. The United States visa issuance and border entry-exit systems are required to use biometrics to prevent unauthorized persons from entering the U.S. through nearly 400 air, sea, and land ports of entry. The results are being used in designing the Nation's border security system and are expected to dramatically impact the biometrics industry.

Carol A. Handwerker
Thomas A. Siewert
Frank W. Gayle
Supervisory Metallurgists

Ursula R. Kattner
Physical Scientist

Maureen E. Williams
Mechanical Engineer

Francis S. Biancaniello
Metallurgist

William J. Boettinger
NIST Fellow

National Institute of Standards and Technology

Technology Administration

The NIST Lead-Free Solder Research Team is recognized for scientific and technical leadership in providing the microelectronics industry with the critical measurements, modeling, and data necessary for the successful world-wide conversion to lead-free manufacturing. Working closely with the microelectronics industry, NIST scientists developed the detailed scientific understanding of lead-free solder alloys that provided the bases for choosing and implementing a new national standard alloy. The result has been industry's selection of a "standardized" lead-free solder for high-volume applications.

Ray Radebaugh
Physicist

National Institute of Standards and Technology

Technology Administration

Dr. Radebaugh is cited for scientific contributions which have resulted in the successful transfer of cryocooler technology to U.S. industry for a broad range of applications, resulting in U.S. industry maintaining a dominant global market share in this rapidly developing technology area. Cryocoolers are extremely low-temperature refrigeration devices capable of operating at temperatures much lower than conventional domestic and commercial refrigerators. He successfully transferred cryocooler technology to a wide range of U.S. companies who have used it for extremely important applications in military surveillance, space exploration, health care, and high performance electronics.

Silver Medal

LEADERSHIP

Susan M. Ballou
Physical Scientist

National Institute of Standards and Technology

Technology Administration

Ms. Ballou is cited for leadership in establishing a program that laid the technical foundation for the evolving field of computer forensics. Her initiatives have equipped the forensics community with a unique suite of tools that provide a scientific basis upon which to admit computer evidence in a court of law. The Internet, computer networks, and automated data systems present an enormous opportunity for committing criminal activity, and consequently computer forensic analysis has become essential to combating and preventing crime. Tools resulting from her efforts can eliminate up to 95 percent of the time needed to analyze digital evidence, and are being used in current investigations of suspected terrorists.

Lawrence E. Bassham
Sharon S. Keller
Computer Scientists

Lisa J. Carnahan
Supervisory Computer Scientist

Randall J. Easter
Electronics Engineer

Jeffrey Horlick
Physicist

Janet R. Jing
Computer Clerk

Annabelle Lee
Supervisory Information Technology Specialist

Stanley Ray Snouffer, Jr.
Supervisory Mathematician

Gary R. Stoneburner
Ronald D. Tencati
Information Technology Specialists

National Institute of Standards and Technology

Technology Administration

The team is honored for successfully conceiving, establishing, and operating the Cryptographic Module Validation Program (CMVP) and developing the associated Security Requirements for Cryptographic Modules standard. Secure cryptography modules that include encryption and digital signature capabilities play crucial roles in protecting the confidentiality and integrity of sensitive electronic information. International demand for products validated through the CMVP now extends to six continents. The improvements in commercial cryptography achieved through the CMVP have greatly enhanced the cybersecurity posture of the United States.

Carl J. Williams
Physicist

National Institute of Standards and Technology

Technology Administration

Dr. Williams is honored for devising and leading the NIST Quantum Information Program. The Program combines NIST laboratory research efforts in Boulder, Colorado and Gaithersburg, Maryland in a coordinated effort towards early implementation of quantum information processing technology. The field of quantum information science is one that has come forth only within the past ten years, driven by striking developments in the theory of computation and in experimental physics. It has grown into a multi-disciplinary effort that is internationally recognized for its accomplishments, and is the primary provider of quantum information technology and expertise to the defense, intelligence, and scientific communities.

SCIENTIFIC/ENGINEERING ACHIEVEMENT

Donald C. DeGroot
Jeffrey A. Jargon
Catherine A. Remley
Electronics Engineers

National Institute of Standards and Technology

Technology Administration

The group is recognized for development of an important new analytical tool and world-class research facility for the measurement and characterization of nonlinear properties of modern electronic devices and wireless communication systems. Their work represents a significant departure from all previous circuit analysis methodology, which is based upon the assumption of linearity. The methodology they developed is the first to account for nonlinear behavior, and thus helps mitigate several costs to industry of relying on ad hoc procedures for dealing with nonlinearities: increased design and prototype evaluation costs, the inability to specify nonlinear properties in a commonly accepted formalism, and increased errors in data transmission.

Richard J. Fields
Metallurgist

National Institute of Standards and Technology

Technology Administration

Dr. Fields is recognized for contributions to the science of materials property measurements and modeling. He led NIST research in a range of collaborations with the automotive industry through the U.S. Advanced Materials Partnership, and the National Center for Manufacturing Sciences. These collaborations have been established through the U.S. Consortium for Automotive Research, a consortium of U.S. automobile manufacturers designed to strengthen the domestic auto industry through pre-competitive generic research. Dr. Fields has provided measurements, models, and data allowing the fabrication of low-cost, metal-based composites for drive-train parts, resulting in improved energy efficiency without loss of performance.

James J. Filliben
Nien F. Zhang
Supervisory Mathematical Statisticians

William F. Guthrie
Nathanael A. Heckert
Mathematical Statisticians

National Institute of Standards and Technology

Technology Administration

The group is cited for authoring the e-Handbook of Statistical Methods. The e-Handbook creates a new electronic resource of modern statistical methods for engineering and science so that engineers, scientists, teachers and students everywhere can directly access and utilize correct statistical practices to accelerate and improve their work. Together, NIST and SEMATECH, a consortium of major U.S. semiconductor manufacturers, defined a new scope and a new vision for this electronic resource. The electronic publication of the e-Handbook provides precise, correct critical tools for scientists and engineers and gives industry, large and small, a stellar resource for increasing competitiveness.

Richard M. Lindstrom
Research Chemist

National Institute of Standards and Technology

Technology Administration

Dr. Lindstrom is cited for development and delivery of cutting-edge nuclear technology to support U.S. non-proliferation efforts. Dr. Lindstrom contributed to the NIST effort in non-proliferation for more than two decades. His achievements include optimization of a method to determine critical isotopic ratios; development of low-background gamma-ray spectrometry methods to detect, quantify, and interpret minute quantities of radioactive species; and the development of a novel activatable tracer system for quantifying the distribution of particulate material released into the atmosphere.

Barbara Cassard Lippiatt
Economist

National Institute of Standards and Technology

Technology Administration

Mrs. Lippiatt is cited for development of sound environmental and economic performance metrics in the highly charged field of "green" products. The green building decision-making process was based on little structure and even less credible, scientific data. She addressed this need by conceiving and developing a systematic methodology for selecting building products that achieve the most appropriate balance between environmental and economic performance based on the decision maker's values. The result was a new program known as Building for Environmental and Economic Sustainability (BEES). BEES measures the environmental performance of building products using the internationally-standardized and science-based life-cycle assessment approach.

Thomas J. Ohlemiller
Chemical Engineer

National Institute of Standards and Technology

Technology Administration

Dr. Ohlemiller is cited for achievements which serve as the basis for limiting the consequences of residential bed fires. For the past five years, he has worked closely with the industry to understand how bed fires proceed from the ignition of bedclothes to the full involvement of the bed. He worked closely to develop a technically sound method of test and hazard analysis for threat to life safety. Each year, bed fires in homes cost the Nation nearly 500 lives, over 2,000 serious injuries, and $250 million in property loss. Regulations adopted by the California Bureau of Home Furnishings based on Dr. Ohlemiller's research are expected to cut losses from bed fires in half.

Richard M. Silver
Physicist

Joseph Fu
Materials Research Engineer

John A. Kramar
Research Chemist

Jau Shi Jun
Computer Scientist

National Institute of Standards and Technology

Technology Administration

The group is honored for physics-based development of the basis for critical next-generation nanometer-scale dimensional standards for the microelectronics and computer industries based on counted atom spacings. This development includes the ability for the first time to: generate substrates with large areas of atomically smooth surface; fabricate countable-atom features with long-range order and thermal stability; produce atomic-resolution images of the features; and make challenging traceable dimensional measurements in the required ultra-high-vacuum.

CUSTOMER SERVICE

Franklin R. Guenther
Supervisory Research Chemist

William D. Dorko
Research Chemist

National Institute of Standards and Technology

Technology Administration

The group is honored for development and implementation of the NIST Traceable Reference Materials Program for gas mixture standards, that effectively met the standards demands created by the 1990 Clean Air Act Amendment, and created a large market for their private sector partners. Their overall efforts have resulted in a dramatic increase in the number of gas standards available to underpin emissions trading and automobile emissions testing in the U.S. Their efforts have also contributed to increased product quality and revenue for the specialty gas industry.

EXTERNAL AWARDS

ARTHUR S. FLEMMING AWARD

Muhammad Arif
Physicist/Project Leader

National Institute of Standards and Technology

Technology Administration

Dr. Arif was honored for developing two major neutron research facilities and for major research accomplishments in the fields of neutron interferometry, neutron optics, and neutron imaging. The Neutron Interferometry and Optics Facility (NIOF) is a highly productive national and international user facility for precision measurements of neutron-nuclear scattering lengths, studies of quantum entanglement and coherence, and demonstrations of matter wave optics. The Thermal Neutron Imaging Facility (TNIF) is primarily an industrial user facility intended to support research on fuel cells and hydrogen storage media.

Marc F. Desrosiers
Chemist

National Institute of Standards and Technology

Technology Administration

Dr. Desrosiers was honored for developing alanine/electron-paramagnetic-resonance (EPR) methods to the highest metrological quality for measuring absorbed dose from ionizing-radiation beams used in radiation processing, and its use via the Internet. He helped create a new product line of EPR spectrometers, a new alanine-film dosimeter and a new paradigm for the certification of radiation dose in medical-device sterilization and food pasteurization. He identified irradiation as the effective

response to mailed anthrax in October 2001, and his dosimetry has been crucial in the program to protect against bioterrorism threats.

Mark David Stiles
Physicist

National Institute of Standards and Technology

Technology Administration

Dr. Stiles was recognized as a key figure in the exploration and exploitation of electronic and magnetic properties of nanometer-scale devices. His work, based on first-principles quantum mechanical calculations, has been used to explain seminal experiments on electron flow in transistors, single-electron charging effects in tunnel junctions, spintronic devices, and magnetic multilayer structures. In particular, this body of work has had a significant impact on the understanding, development and commercialization of "giant magnetoresistive" devices, a breakthrough technology for the data storage industry.

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

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