



Smithsonian Institution



Discovery, the longest-serving orbiter in the space shuttle fleet, will be accepted into the National Air and Space Museum collection upon arrival at the Steven F. Udvar-Hazy Center in the spring of 2012.

Report to the Regents Third Quarter, Fiscal Year 2011

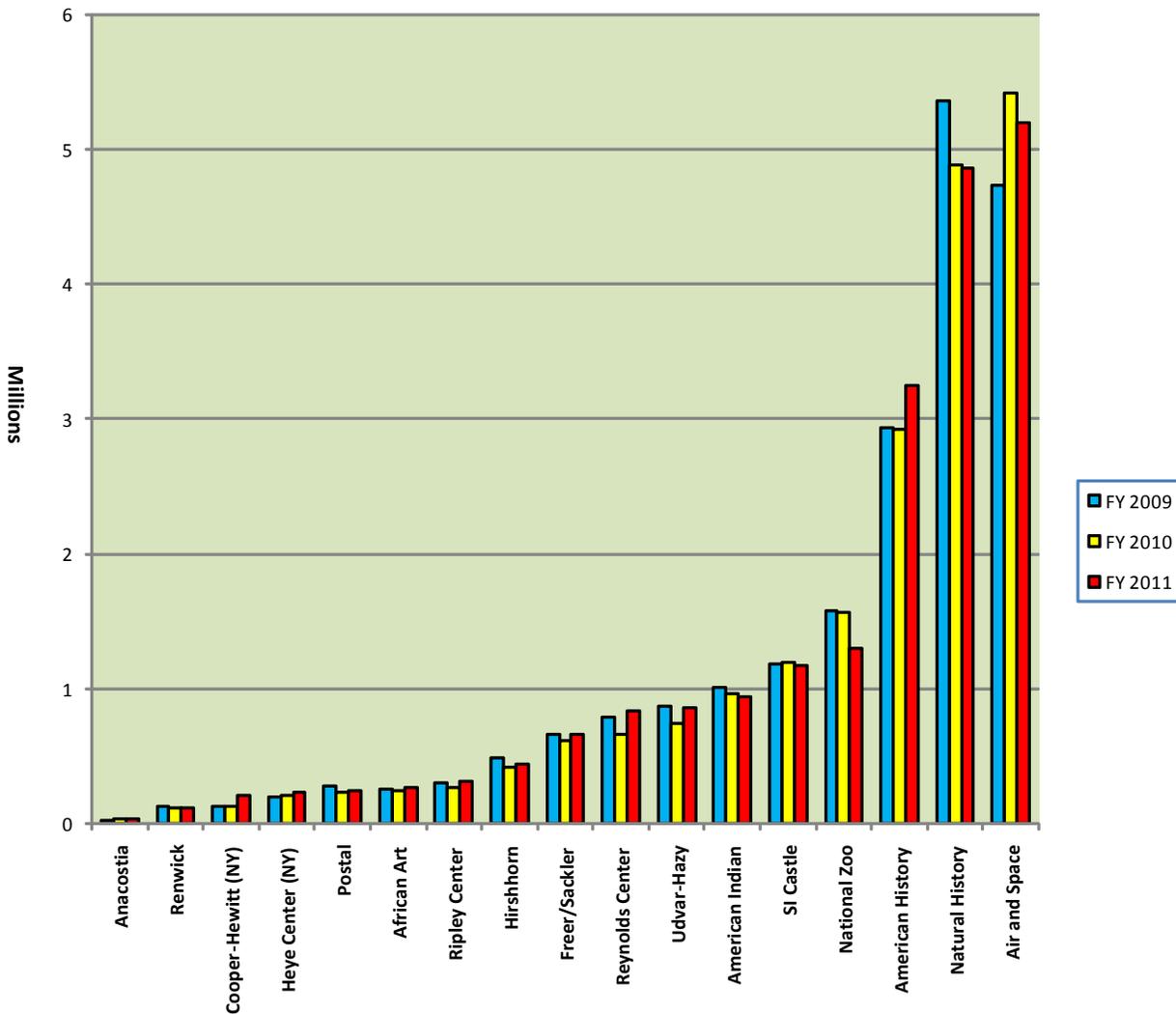
Broadening Access: Visitation Summary

Through the third quarter of fiscal year 2011, the Institution counted about 21 million visits to its museums in Washington, D.C. and New York, plus the **National Zoological Park** and **Steven F. Udvar-Hazy Center**—similar to the figure for this period in fiscal year 2010. Of note were increases in visitation at **Cooper-Hewitt**, **National Design Museum** in New York City (up 62 percent) and the **Donald W. Reynolds Center for American Art and Portraiture** (up 25 percent).

The Smithsonian also counted:

- Approximately 4.5 million visits to traveling exhibitions mounted by the **Smithsonian Institution Traveling Exhibition Service**; and
- About 90 million visits to Smithsonian websites.

Visits to Smithsonian Venues
First Three Quarters, Fiscal Years 2009, 2010, and 2011



Grand Challenges Highlights

Valuing World Cultures

Secretary G. Wayne Clough, Under Secretary Richard Kurin, and Director of the **National Museum of African Art** Johnnetta Cole joined Rachel Goslins, Executive Director of the President's Committee on the Arts and the Humanities, and Eryl Wentworth, Director of the American Institute for Conservation, on a visit to Port-au-Prince, Haiti on June 21–22. The team reviewed the Smithsonian's conservation work in the earthquake-ravaged country and met with Haitian officials, U.S. embassy staff, heads of cultural organizations, and Haiti Cultural Recovery Project personnel.



Smithsonian leaders visited Haiti

Research

The **Freer and Sackler Galleries** hosted a scholarly symposium on the “Art and Material Culture of the Northern Qi Period” in conjunction with the Sackler exhibition *Echoes of the Past: The Buddhist Cave Temples of Xiangtangshan*. It was the first international symposium devoted to this topic.

The **National Museum of the American Indian** held two scholarly symposia:

- “Where Art Worlds Meet: A Conversation with Indigenous Hawaiian, Native American, and Aboriginal Contemporary Artists” focused on the evolution of the global indigenous art scene.
- “Essentially Indigenous?” at the Museum’s **George Gustav Heye Center** in New York investigated the attributes of Native artists’ work that make it “Native.”

Papers presented at the November 2010 **Anacostia Community Museum** symposium “Connecting the Worlds of the African Diaspora: the Living Legacy of Lorenzo Dow Turner” were published in a special spring 2011 issue of *The Black Scholar: Journal of Black Studies and Research*.

Broadening Access

The **Center for Folklife and Cultural Heritage** hosted another successful Smithsonian Folklife Festival, with programs highlighting Colombia, the Peace Corps, and rhythm and blues. For 10 days, more than 280 artists and artisans shared their talents with an estimated 1,083,000 visitors—the highest Festival attendance since 2002.

Two new exhibitions opened at the **Sackler Gallery**:

- *Waves at Matsushima* (May 29–July 5, 2011) featured screens and prints depicting the beauty of the region hit by the March 2011 earthquake and tsunami in Japan.





Family Matters: Portraits from the Qing Court

- *Family Matters: Portraits from the Qing Court* (June 11, 2011–November 16, 2012) includes 16 paintings of Qing dynasty emperors, empresses, princes, and princesses.

A sneak preview of the **National Museum of Natural History** exhibition *Eternal Life in Ancient Egypt* went on display on April 5. The full exhibition opens on November 17; it focuses on the insights that mummies, burial rituals, and cosmology provide about life in ancient Egypt.



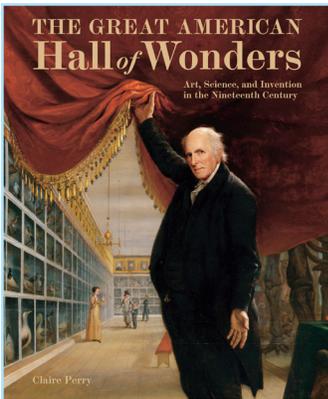
Eternal Life in Ancient Egypt

Understanding the American Experience

The Association of Art Museum Curators voted the **National Portrait Gallery** exhibition *Hide/Seek* the nation's top thematic art museum exhibition in 2010.

Research

The **National Portrait Gallery**, in association with the University of California Press and the Contemporary Jewish Museum, published *Seeing Gertrude Stein: Five Stories* by Wanda M. Corn and Tirza True Latimer, the companion volume to an upcoming Gallery exhibition on Stein.



The **Smithsonian American Art Museum**, in association with D Giles Ltd., London, published *The Great American Hall of Wonders: Art, Science, and Invention in the Nineteenth Century*, written by guest curator Claire Perry and with a foreword by Museum Director Elizabeth Broun, to accompany a Museum exhibition that opened in the fourth quarter.

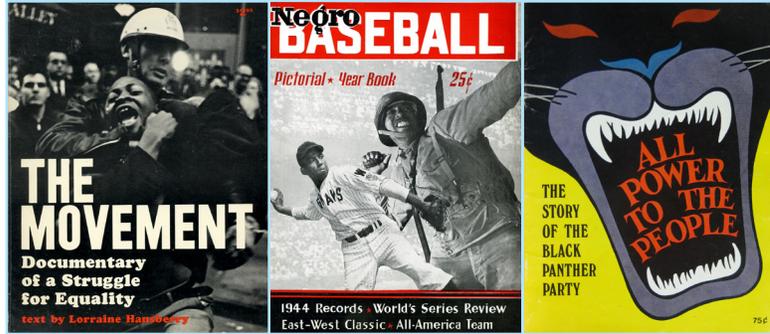
The Civil War: A Visual History, produced by the Smithsonian in association with DK Publishing, offers a definitive visual history of the conflict that tore the United States apart. The **National Portrait Gallery's** Jim Barber and the **National Museum of American History's** Harry Rubenstein served as editorial consultants.

Broadening Access

The Smithsonian celebrated Asian Pacific American Heritage Month in May with a series of lectures, performances, and films. More than 500 people participated in the feature event, a family day celebration at the **National Museum of American History**.

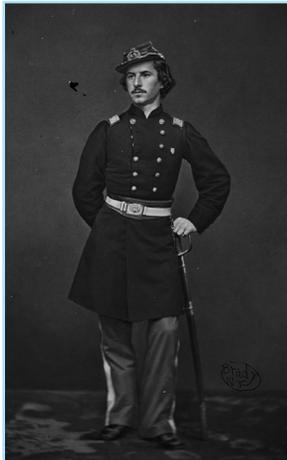
In April, the Smithsonian celebrated the 10th anniversary of Jazz Appreciation Month. To mark this milestone, **Smithsonian Folkways** launched a Jazz Education website featuring an interactive music mixer, a history of jazz timeline, an interactive jazz map, and a discussion board. The Month's events at the **National Museum of American History** focused on the legacy of women in jazz.

Over the past five years, a \$3.6 million grant from the Terra Foundation for American Art has enabled the Archives of American Art to process and create online finding aids for 138 collections, fully digitize 111 collections, and make 1.5 million digital files available online. Terra Foundation support will continue with a new \$3.1 million, five-year grant.



For All the World to See: Visual Culture and the Struggle for Civil Rights

The exhibition *For All the World to See: Visual Culture and the Struggle for Civil Rights* (June 10–November 27, 2011), organized by the National Museum of African American History and Culture and the Center for Art, Design, and Visual Culture at the University of Maryland, opened at the National Museum of American History. It examines the role media images played in the fight for racial equality.



Elmer Ellsworth

The National Portrait Gallery is marking the 150th anniversary of the Civil War with a series of seven exhibitions, including *The Death of Ellsworth*, which opened this quarter (April 29, 2011–March 18, 2012). Colonel Elmer E. Ellsworth was the first Union officer to be killed in the Civil War.

The exhibition *Buffalo Bill's Wild West Warriors: Photographs by Gertrude Käsebier* (April 13–June 15, 2011) in the International Gallery of the Ripley Center featured 60 photos of Lakota (Sioux) tribe members who visited New York City with Buffalo Bill's Wild West show in 1898. It was produced by the National Museum of American History and the Buffalo Bill Historical Center, a Smithsonian Affiliate.

The National Postal Museum launched four online exhibitions that combine philately with history and culture: *Thurgood Marshall: Celebrating One of*

America's Greatest Civil Rights Pioneers; Celebrating People with Disabilities Through Stamps; Heroes on Stamps; and People and Places of the Pacific: 2011 Edition.

Former U.S. Representative, Atlanta Mayor, and U.S. Ambassador to the United Nations Andrew Young joined Jack H. Watson, Jr., chair of the National Portrait Gallery's Commission, to discuss Young's role in the Civil Rights movement and to witness the unveiling of Young's portrait in the Gallery's *Struggle for Justice* exhibit.

Two small exhibitions opened at the National Museum of American History:

- “So Much Need of Service”—*The Diary of a Civil War Nurse* (April 22 –July 29, 2011) featured the diary of Civil War–era nurse Amanda Akin and related documents.
- *HIV and AIDS 30 Years Ago* (ongoing; opened June 3, 2011) looks at public health, scientific, and political responses in the early phase of a global pandemic.



National Portrait Gallery Director Martin Sullivan with Civil Rights figure Andrew Young

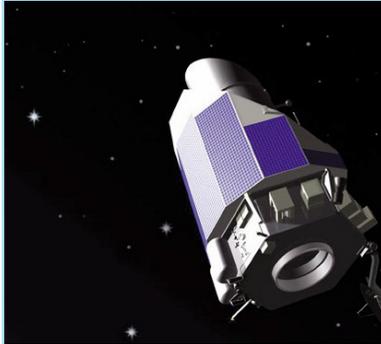
Renowned musician, artist, and poet Patti Smith gave a performance at Sotheby's in New York City to benefit the **Archives of American Art**, featuring readings from love letters in the Archives' collections.



Patti Smith

Unlocking the Mysteries of the Universe

Research: Smithsonian Astrophysical Observatory (SAO) Harvard-Smithsonian Center for Astrophysics (CfA)



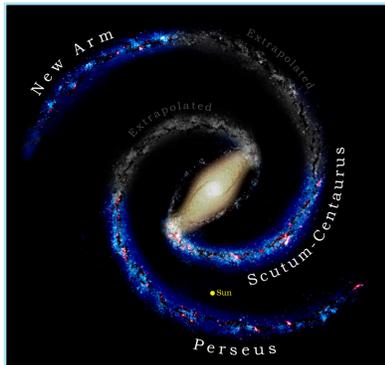
The Kepler spacecraft

During this quarter, CfA scientists' research appeared in 146 peer-reviewed papers, as well as 221 non-peer-reviewed articles presented at meetings, conferences, or other venues. Among the scientific journals carrying CfA research results was the leading journal *Nature*, which had five citations.

The Kepler spacecraft team, which includes 12 CfA astronomers, has announced the discovery of an astonishing 1,235 possible new extrasolar planets (planets orbiting stars other than our own sun).

CfA astronomers, using a small, 1.2-meter survey radio telescope, have discovered a new spiral arm on the far side of our Milky Way galaxy. The arm is thought to be a sweeping extension of a currently known feature, implying that the Milky Way is symmetrical, with only two arms.

SAO astronomers used the Chandra X-Ray Observatory to complete a landmark study of a massive star-forming complex in Carina, which lies around one of the most luminous stars in the southern sky, Eta Carinae. The 16 resulting papers resolve numerous outstanding mysteries of the region.



A new picture of the Milky Way

Research: National Air and Space Museum (NASM) Center for Earth and Planetary Studies (CEPS)

John Grant of CEPS co-convoked the fifth and final workshop focused on selecting a landing site for NASA's Mars Science Laboratory rover mission. Grant co-chairs the group appointed by NASA to provide input on landing sites.

An important paper with contributions by two CEPS scientists, Bruce Campbell and Lynn Carter, "Massive CO₂ Ice Deposits Sequestered in the South Polar Layered Deposits of Mars," appeared in *Science*. Campbell and Carter were members of a team that recently announced the discovery of ice layers on Mars containing huge amounts of CO₂.



The Great Nebula of Carina

Broadening Access

Two temporary exhibitions opened at the **National Air and Space Museum**:

- *NASA/Art: 50 Years of Exploration* (May 28–October 9, 2011), a joint project of the Museum, the **Smithsonian Institution Traveling Exhibition Service**, and NASA, features works from the NASA art program, which was established in 1962 to document the human spaceflight program.
- *From Earth to the Solar System*, developed by the **Smithsonian Astrophysical Observatory**, NASA Astrobiology Institute, and National Center for Earth and Space Science Education and featuring 30 beautiful images of the solar system, was on display during the month of June.



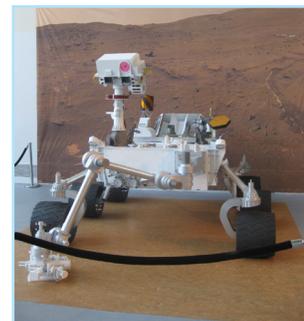
NASA/Art

The **National Air and Space Museum** also hosted a number of events to mark the 50th anniversary of human spaceflight:

- The Division of Space History co-sponsored a symposium, “1961/1981: Key Moments in Human Spaceflight,” which drew leading historians and social scientists.
- A program at the **Udvar-Hazy Center**, “To the Moon: The Speech That Launched Apollo,” commemorated the 50th anniversary of President John F. Kennedy’s famous speech announcing the United States’ intention of sending a manned mission to the moon.
- The annual John H. Glenn Lecture featured Senator John Glenn himself and fellow spaceflight pioneer Scott Carpenter; it was the most popular lecture at the Museum and on its website for the year so far.

During this quarter, the Astrophysics Data System (ADS) website, administered by the **Harvard-Smithsonian Center for Astrophysics**, had over 330 million hits. ADS provides searches and worldwide open access to the astronomy and astrophysics literature.

A full-scale model of *Curiosity*, the next Mars rover, arrived at the **National Air and Space Museum**, on loan from NASA’s Jet Propulsion Laboratory.



Curiosity

Understanding and Sustaining a Biodiverse Planet

The **Museum Conservation Institute** hosted a Smithsonian Climate Change Research Symposium that brought together scientists from across the Institution. Several areas of research were identified as particular



Panama’s President comes to the Smithsonian

Smithsonian strengths, such as research on geologic time periods of cyclic warming and cooling, the influences of extraterrestrial forces on climate, and coastal/wetland systems.

On April 27, Panamanian President Ricardo Martinelli visited Washington, D.C., where he met with Secretary Clough to discuss the **Smithsonian Tropical Research Institute’s** operations in Panama and the special relationship between the Smithsonian and Panama.

Research: National Zoological Park (NZIP)
Smithsonian Conservation Biology Institute (SCBI)

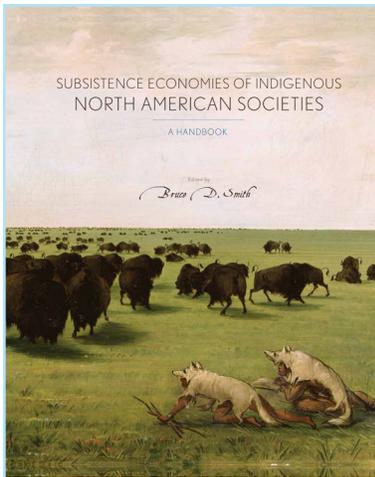
Whale sharks are often thought to be solitary, but new research by SCBI scientists and their colleagues, involving both surface and aerial surveys, discovered the largest assembly of whale sharks ever reported, consisting of up to 420 individuals off the coast of the Yucatán Peninsula.



A whale shark

Researchers at SCBI and partner organizations will build a frozen repository of Great Barrier Reef coral sperm and embryonic cells. Genetic banks composed of frozen biomaterials hold great promise for conservation, as researchers can thaw these materials years in the future to help restore a species or diversify a population.

SCBI and other Smithsonian scientists have confirmed that the devastating amphibian disease *chytridiomycosis* has reached Panama's Darien region—the last area in the mountainous neotropics thought to be free of it. This is troubling news for the Panama Amphibian Rescue and Conservation Project, a consortium of nine organizations (including SCBI and the **Smithsonian Tropical Research Institute**) that aims to rescue frog species in danger of extinction.



The predictability and scale of seasonal changes in habitats help determine the behavior of migratory species, according to a paper published online in *Global Ecology and Biogeography* by SCBI researchers and their partners. The study's findings have significant implications for land managers working to conserve endangered species that migrate.

Research: National Museum of Natural History (NMNH)

The landmark volume *The Subsistence Economies of Indigenous North American Societies: A Handbook* (Smithsonian Institution Scholarly Press, April 2011), edited by NMNH's Bruce Smith, documents how Native American societies adapted to the varied ecosystems of North America over the past 10,000 years.

In the *Journal of Archaeological Science* article "Earliest Art in the Americas: Incised Image of a Proboscidean on a Mineralized Extinct Animal Bone from Vero Beach, Florida," NMNH's Dennis Stanford and his collaborators announced the discovery of a 13,000-year-old bone fragment with an incised image of a mammoth or mastodon—the oldest and only known example of Ice Age art depicting a proboscidean (animal with a trunk) in the Americas.



Daemonosaurus chauliodus

A team of scientists including NMNH's Hans Sues has discovered a fossilized dinosaur skull and neck vertebrae that reveal not only a new species, but an evolutionary link between two groups of dinosaurs. The new species, *Daemonosaurus chauliodus*, was discovered at Ghost Ranch, New Mexico. The findings were published in the *Proceedings of the Royal Society B*, with Sues as lead author.

The American Academy of Arts and Sciences announced that NMNH's Kay Behrensmeyer (Department of Paleobiology) and Bruce Smith (Department of Anthropology) were among the newly elected class of 2011 members.

The non-native Burmese python has established itself in the Florida Everglades, where it preys on native species. Scientists recently completed an analysis of the impact of the python on Florida's native birds. Bird remains in the intestinal tracts of collected pythons were identified by comparing feathers and bone fragments with specimens in the NMNH collections. The findings were published in *BioOne*.

Research: Smithsonian Environmental Research Center (SERC)

Invasive species often hitch rides to new ecosystems in the ballast water of ship hulls. In 2012, the U.S. Coast Guard will begin rolling out new standards requiring most ships to have some form of ballast water treatment system to eradicate invasive species. To help the EPA and Coast Guard develop practical standards, SERC ecologist Greg Ruiz and three other invasion scientists published a National Research Council report detailing the science behind the issue.



Invasive species can arrive in the ballast water of ships



SERC's Denise Breitburg

The ocean has absorbed roughly half the CO₂ emitted by human activities since the Industrial Revolution, making it more acidic and threatening the survival of many species. Coastal waters are particularly at risk: research by SERC scientists Whitman Miller, Fritz Riedel, and Denise Breitburg has discovered that much greater short-term fluctuations in acidity occur in estuaries, where reduced salinity provides less buffering capacity.



Research: Smithsonian Tropical Research Institute (STRI)

A special May 15 issue of the journal *Forest Ecology and Management*, edited by STRI's Jefferson Hall and his colleagues, offers insights from 20 years of tropical reforestation research. Hall also directs the Agua Salud Project, an ambitious 700-hectare experiment in the Panama Canal Watershed aimed at measuring how land use practices affect water flow, carbon storage, and biodiversity.



STRI's Jefferson Hall (top) and Carlos Jaramillo

Unpublished work by STRI's Carlos Jaramillo was featured in a recent *New Scientist* article, "United Plates of America." Jaramillo's work challenges the orthodox account of the rise of the Isthmus of Panama, and argues for changing the date of the rise from 3 million years ago to 22 million years ago, based in part on new fossil evidence unearthed during the current Panama Canal expansion project.

Broadening Access

The Smithsonian Associates and the National Museum of Natural History program "Demystifying Seafood: The Ocean and Its Bounty" featured a panel discussion followed by a sustainable seafood reception. The panel was moderated by NPR science journalist Richard Harris and included environmental activist Ted Danson, NOAA Administrator Jane Lubchenco, and ocean scientists.

The **National Museum of the American Indian** launched the website “American Indian Responses to Environmental Challenges” for middle school students. Evaluation of this pilot project, which presents the environmental initiatives of four American Indian tribes, will inform the design of a major outreach effort to schools nationwide.



Two examples of *Nature's Best Photography*

The **National Museum of Natural History's** annual *Nature's Best Photography Awards* exhibition (April 16–September 25, 2011) presents the winners of the 2010 Windland Smith Rice International Awards for amateur and professional nature photography.

Smithsonian Environmental Research Center Marine Ecologist Denise Breitburg joined a panel of climate scientists for a congressional briefing on the dangers of ocean acidification. Breitburg discussed how factors such as wetland loss and nutrient pollution can intensify the problem in coastal waters.

Crossing Boundaries

The **Smithsonian Associates** and the Creativity Foundation named Johnnetta Betsch Cole, anthropologist, author, educator, and Director of the **National Museum of African Art**, as the recipient of the 10th annual Benjamin Franklin Creativity Laureate Award, which honors some of the world's most creative thinkers in the arts, sciences, and humanities. Previous recipients included Yo-Yo Ma, Daniel Patrick Moynihan, Sandra Day O'Connor, Jules Feiffer, Ted Turner, and Meryl Streep.

The **National Postal Museum's** Cheryl Ganz received the Lee Medal from the Royal Philatelic Society London for her presentation “Come Take a Ride on the Hindenburg.” The Society, established in 1869, is the oldest philatelic society in the world; the Medal is awarded annually for the best presentation given to it that year.

Kenneth Slowik, Curator of Musical Instruments and Artistic Director of the Smithsonian Chamber Music Society at the **National Museum of American History**, was selected to receive the 2011 Secretary's Distinguished Research Lecture Award, which recognizes a scholar's achievement in research, commitment to the Smithsonian, and ability to communicate research results to non-specialists.

Publications from three Smithsonian units were honored in the 2011 American Association of Museums Publications Design Competition:

- The **Freer and Sackler Galleries' *Gods of Angkor: Bronzes from the National Museum of Cambodia***, designed by the Galleries' Adina Brosnan-McGee, took first prize in the exhibition catalogue category. The **National Portrait Gallery's *Hide/Seek*** catalogue received an honorable mention.
- The **Hirshhorn Museum and Sculpture Garden's “Art Surrounds Us”** promotional poster took first place in the poster category, while the **Freer and Sackler Galleries' *In the Realm of the Buddha*** exhibition poster, designed by the Galleries' Nancy Hacskaylo, won an honorable mention.



Johnnetta Cole (top), Cheryl Ganz, and Kenneth Slowik

- The fall 2010 issue of the **Hirshhorn's** *Hirshhorn Magazine* (layout by the Hirshhorn's Bob Allen) won first place in the magazine category.

Research

The Age of Plastics program was awarded a level one Grand Challenges Award to build a community of researchers engaged in the study of plastics from various disciplinary perspectives. A steering workshop, organized by the **Museum Conservation Institute's** Odile Madden, was held at the Hirshhorn Art Lab.

Only the Wing: Reimar Horten's Epic Quest to Stabilize and Control the All-Wing Aircraft by the **National Air and Space Museum's** Russell E. Lee, published by the Smithsonian Institution Scholarly Press, is the first in-depth study of a neglected part of aviation history—the development of the all-wing design.

In May, the **Freer and Sackler Galleries** hosted a two-day international seminar sponsored by the Association of Art Museum Directors, American Association of Museums, and National Archives, “A New Era of Collaboration and Digitized Resources: World War II Provenance Research Seminar.”

Broadening Access

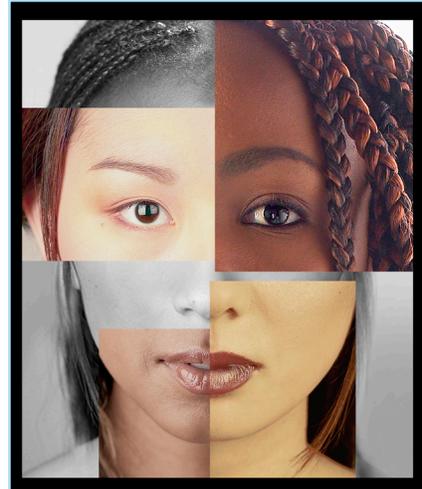
A new exhibition at the **National Museum of Natural History** *Race: Are We So Different?* (June 18, 2011–January 2, 2012) explores race from scientific, historical, and cultural perspectives, challenging visitors to ask questions, think critically, and reflect on their own experiences.

Two new exhibitions opened at the **Hirshhorn Museum and Sculpture Garden**.

- *Fragments in Time and Space* (June 23–August 28, 2011) encouraged viewers to reconsider how they perceive and experience the world, from a single moment to an idea of the infinite.
- *Directions: Grazia Toderi* (April 21–October 24, 2011) presents mesmerizing nightscapes by the noted Italian artist Grazia Toderi.

The **Hirshhorn** also co-hosted a forum where 20 YoungArts Presidential Scholars discussed “The Meaning of Museums to the Next Generation.” YoungArts, the core program of the National Foundation for Advancement in the Arts, seeks to identify talented young artists and to foster greater appreciation for the arts. This gathering launched a long-range collaboration between the Hirshhorn and YoungArts.

The **Freer Gallery's** renowned Peacock Room has been restored to its appearance in 1908, when Charles Lang Freer used it to display more than 250 ceramics from Asia. The first special exhibition in this room since its conservation in 1993, *The Peacock Room Comes to America* (April 9, 2011–spring 2013) highlights Freer's belief in “points of contact” between American and Asian art.



Race: Are We So Different?



Directions: Grazia Toderi

The **Smithsonian Institution Libraries'** Biodiversity Heritage Library (BHL) librarians Grace Costantino, Bianca Crowley, and Erin Thomas were awarded the 2011 De Gruyter Saur International Federation of Library Associations Research Paper Award for their paper, "Heeding the Call: User Feedback Management and the Digital Library."

Broadening Access: Outreach

Through the third quarter of fiscal year 2011, the **Smithsonian Institution Traveling Exhibition Service (SITES)** circulated 50 exhibitions to 445 venues in all 50 states, plus the District of Columbia, Guam, and U.S. military bases in 10 countries. In the third quarter, SITES launched two new exhibitions on national tours:

- *American Sabor: Latinos in U.S. Popular Music* opened at the Sacramento (California) Public Library.
- *Suited for Space* opened its four-year national tour at the Chicago Museum of Science and Industry.



Suited for Space

The national tour of the SITES exhibition *Freedom's Sisters* was extended to accommodate special showings at locations closely aligned with key moments in Civil Rights history. In Jackson, Mississippi, the exhibition took center stage at 50th anniversary events honoring returning "Freedom Riders" and Mississippi icon Myrlie Evers-Williams.

Several Smithsonian art museums held events in their evening series aimed at drawing in a young-adult demographic, including "Asia After Dark: A Tribute to Japanese Art and Fashion" at the **Freer and Sackler Galleries**, "After Hours" at the **Hirshhorn**, and "Africa Underground: West Africa to the Caribbean" at the **National Museum of African Art**.

Smithsonian Affiliations offers museums, cultural institutions, and educational organizations access to the Institution's collections and other resources. At the end of the past quarter, there were 169 Affiliates in 40 states, plus Panama and Puerto Rico. In this quarter:

- The Smithsonian welcomed four new Affiliates: the Musical Instrument Museum (Phoenix, Arizona); City of Las Cruces Museum System (Las Cruces, New Mexico); U.S.S. Constitution Museum (Boston, Massachusetts); and Stafford Air and Space Museum (Weatherford, Oklahoma).
- Two artifacts were loaned to Affiliate organizations; there are currently 1,230 Smithsonian artifacts on view at Affiliate organizations.



"After Hours" at the Hirshhorn

- Twenty Smithsonian staff participated in programs and events with Affiliates.
- The 2011 Affiliations National Conference was held at the Smithsonian; 80 participants from 54 Affiliates attended the sessions.

The **National Museum of American History's** Smithsonian Jazz Masterworks Orchestra completed a successful U.S. State Department–sponsored concert tour to Russia.



The Smithsonian Jazz Masterworks Orchestra toured Russia

The **Freer and Sackler Galleries'** Alice Tracy and Daisy Yiyou Wang led a team of 18 Smithsonian colleagues to meet with over 80 Chinese museum professionals at the American Association of Museums Annual Meeting in Houston, Texas. After this event, Chinese visitors from 20 museums spent two days in Washington, D.C., seeing the Smithsonian and discussing future collaborations.

The **Smithsonian Institution Archives** launched Women's History Month with an online outreach initiative, including blogging on women scientists in the Archives' collections, new images in the "Women in Science" set on the Smithsonian Flickr Commons, and a crowdsourcing campaign to get the public's help in identifying the scientists in some of these images.

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The **Office of the Under Secretary for History, Art, and Culture** hosted the two-day public forum "Flashpoints and Fault Lines: Museum Curation and Controversy" in response to the controversy surrounding the *Hide/Seek* exhibition at the **National Portrait Gallery**. Distinguished representatives of the arts, museum, and cultural communities from within and outside the Smithsonian participated.

The **Smithsonian Accessibility Program** and **National Museum of American History** piloted a program called "Morning at the Museum" for families of children on the autism spectrum.

Broadening Access: Education

The **Smithsonian Center for Education and Museum Studies (SCEMS)** presented several major educational outreach offerings:

- In association with MIT's Education Arcade, SCEMS produced *Vanished*, an online multiplayer game that engaged more than 6,000 young people (and 3,500 adult observers) in scientific problem-solving. Sixteen Affiliates contributed by offering game-related activities onsite.
- SCEMS launched "Scientists @ the Smithsonian," a web page designed to interest young people in careers in science.



- SCEMS presented the fourth online program in the “Shout” environmental education series sponsored by Microsoft Partners in Learning, featuring interactive sessions with scientists from the **Smithsonian Conservation Biology Institute**, **Smithsonian Environmental Research Center**, and **Smithsonian Tropical Research Institute**.

The **National Science Resources Center (NSRC)** remained active in collaborative efforts to improve the teaching of science in schools across the nation and around the world:

- NSRC launched a pan-Institutional Science, Technology, Engineering, Art, and Mathematics (STEAM) Initiative for Smithsonian educators with a workshop that drew 80 participants.
- NSRC conducted professional development workshops for over 400 teachers and administrators from seven districts in North Carolina, and plans are underway to provide similar workshops for other partners in New Mexico and Houston.
- NSRC personnel participated in an InterAmerican Network of Academies of Sciences meeting in Mexico City, where representatives compared progress in advancing science education in their countries.



Secretary Clough speaks to the President's Advisory Commission on Educational Excellence for Hispanics

The **Smithsonian Latino Center** and the White House Initiative on Educational Excellence for Hispanics hosted a swearing-in ceremony in the Smithsonian Castle for newly appointed commissioners to the President's Advisory Commission on Educational Excellence for Hispanics. Sonia Sotomayor, Associate Justice of the Supreme Court, presided.

The local performing arts troupe **Farafina Kan** performed at the conclusion of the **National Museum of African Art's** educational program “Studio Africa!,” which helps D.C. public school students explore the art and culture of Africa.



Farafina Kan performs

Cooper-Hewitt, National Design Museum held several sessions of its popular **Target Design Kids** program, which introduces children and their families to the world of design through play, tours, and hands-on design workshops.



“Design Kids”

On June 15, the **National Museum of American History** celebrated National History

Day with presentations by the 51 state finalists from the National History Day competition and an evening event that drew over 5,500 competition participants and their families.

“Artful Connections,” the **Smithsonian American Art Museum's** interactive videoconference program, completed 69 visits, serving 1,743 participants. The Museum's education staff also completed 77 videoconferences for a program with the Department of Defense Education Activity (DoDEA), serving 1,305 DoDEA students at six schools in Italy, Turkey, North Carolina, and Georgia.

Forty children in the **Anacostia Community Museum's** Museum Academy after-school program participated in an educational initiative of the Washington National Opera, in which they developed and presented their dramatization of a West African folktale, *Kukulu and Jama*.

Strengthening Collections



Discovery

On April 12, NASA announced the decision to transfer *Discovery*, the longest-serving orbiter in the space shuttle fleet, to the Smithsonian. *Discovery* will be accepted into the **National Air and Space Museum** collection upon arrival at the **Udvar-Hazy Center** in the spring of 2012, and displayed in the James S. McDonnell Space Hangar. The shuttle *Enterprise*, currently on display at the Center, will move to a new home at the Intrepid Sea, Air, and Space Museum in New York.

The **National Portrait Gallery** unveiled a new portrait of philanthropists Bill and Melinda Gates by the artist Jon Friedman.



Jon Friedman's portrait of Bill and Melinda Gates

The **National Zoo's** living collections grew through both births and acquisitions:

- The great cat program expanded with the arrival of a female Sumatran tiger, Damai. The Zoo plans to bring in a male tiger to breed with Damai later this year.
- The Zoo's 50th kori bustard chick emerged from its shell. When the Zoo began breeding them in 1997, it was one of a handful of zoos in the world that bred these large African birds, but many of these offspring have subsequently been bred at other North American zoos.



Damai the tiger



A valuable litter of cheetahs

Five cheetah cubs were born in Front Royal. This litter is significant because cheetah births in zoos have dwindled; this is the only litter born this year in a North American zoo.



Kori bustard chick

The **National Museum of African American History and Culture** received a collection of set props and other items from the musical variety television show *Soul Train*, which ran from 1971 through 2006.

An exceptional gold specimen was recently added to the mineralogy collection of the **National Museum of Natural History**. The specimen was collected from the Mockingbird mine, Mariposa County, California; it represents one of the best examples of crystallized gold from the United States.

The **Asian Pacific American Program** collected historic campaign items from Dalip Singh Saund (1899–1973), the country’s first Asian American U.S. Representative, who served California’s 29th Congressional district from 1957 to 1963. The items were donated by Representative Saund’s grandson and are now at the **National Museum of American History**.



Dalip Singh Saund campaign items

Organizational Excellence

Leadership Milestones

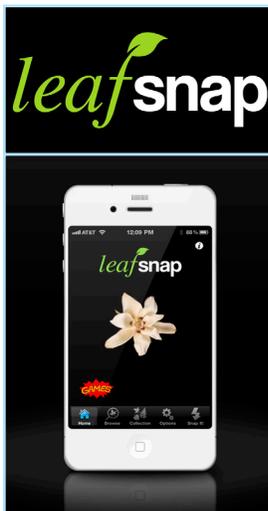
In April, Steve Case was appointed to the Smithsonian’s Board of Regents. Case, 52, is chairman of the Case Foundation, which supports initiatives that use new technologies and entrepreneurial approaches in the social sector, and CEO of Revolution, an investment firm he co-founded in 2005 to help entrepreneurs.

Konrad Ng was named director of the **Smithsonian Asian Pacific American Program**, effective May 22. Ng has been an assistant professor in the University of Hawai’i at Mānoa’s Academy for Creative Media since 2007. His scholarship examines cinema and digital media in minority and diaspora communities.



Information Technology and New Media

The new Smithsonian Mall visitor mobile app was demonstrated to the Board of Regents and the Secretary. It includes a mobile visitor guide enhanced with museum content such as audio tours, exhibitions, floor plans, events calendars, and collections searches. It also offers visitors the chance to



leave comments on their Smithsonian experience, ask questions, or give tips to other visitors.

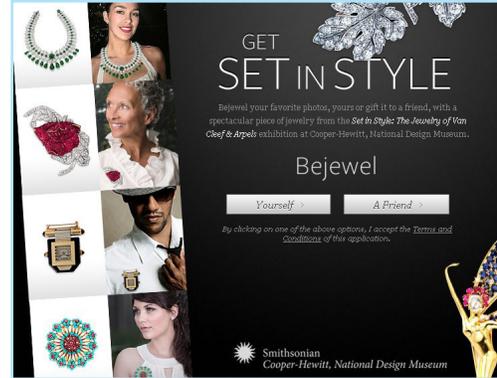
The Under Secretaries approved a charter for the Digitization Program Advisory Committee, a pan-Institutional group that will work with the **Digitization Program Office** to guide implementation of the Smithsonian’s digitization strategic plan and develop long-term strategies, policies, practices, and procedures to address Institution-wide digitization needs.

Leafsnap, the world’s first plant identification mobile app using visual search, was developed by computer scientists from Columbia University and the University of Maryland and botanist John Kress of the **National Museum of Natural History**. It allows users to identify tree species by taking a photograph of the tree’s leaves.

The **Smithsonian Institution Libraries**, in partnership with **Smithsonian Institution Scholarly Press**, has converted works from the Press’s Smithsonian

Contributions and Studies Series to digital formats for use on Kindles, Nooks, and other e-readers. The electronic formats, which are offered at no cost, will eliminate the problem of maintaining physical stocks and will expand access to this research.

Cooper-Hewitt launched the “Get Set in Style” Facebook application that allows users to try on virtually objects from the Museum’s exhibition, *Set in Style: The Jewelry of Van Cleef & Arpels*. This Facebook app is the first of its kind for the Smithsonian Institution.



Construction, Renovation, and Facilities Projects

The completion of the final stage of construction at the **Udvar-Hazy Center** in Chantilly, Virginia is a major milestone in the history of the **National Air and Space Museum** and the Smithsonian. The Museum received the certificate of beneficial occupancy for the Center in April 2011. Approximately one third of the Museum’s staff will work there when it is fully operational; the complete move-in will take several years.



National Zoological Park, Asia Trail II: Elephant Trails

\$54.3 million estimated total project and program cost

The second phase of the Asia Trail project has a projected cost of \$54.3 million—\$39.48 million Federal (received in fiscal years 2006–2012) and \$14.82 million Trust. Construction of the new elephant barn and two of three outdoor habitats was completed in 2010, and work on the elephant community center is 31 percent complete. Additional private funding is being sought for the final habitat, and the project is now scheduled to be finished in 2013.

National Zoological Park, Seal / Sea Lion Exhibit

\$40.0 million total estimated project cost

The Zoo’s Seal/Sea Lion exhibit is being revitalized to meet standards for animal care and to improve accessibility. The project also includes an upgrade of underground utilities in the Beaver Valley area. Construction is approximately 60 percent complete and is projected to be finished in mid-2012. The non-capital, interpretive component of the project will be funded with \$1 million in Trust funds, while the Federal capital contribution is approximately \$39 million in fiscal years 2009–2012.

National Zoological Park, General Services Building and North Road Retaining Wall

\$33.8 million total estimated project cost

The \$8.3 million Phase I of the project, funded over fiscal years 2004–2011, is nearly complete. It includes repairs to the General Services Building (GSB), design of permanent structural and safety upgrades, and relocation of the Vehicle Maintenance Branch to Suitland, Maryland. Phase II includes

\$25.5 million for GSB construction and replacement of an adjacent retaining wall. A supplemental environmental assessment for the retaining wall began in May 2011. Federal funding has been requested for fiscal years 2012–2014 for construction of the retaining wall and GSB upgrades.

*National Zoological Park, Smithsonian Conservation Biology Institute
Smithsonian-Mason Global Conservation Studies Partnership*



\$37.47 million total estimated project cost

Scientists and educators from the Smithsonian Conservation Biology Institute and George Mason University (GMU) donned their hard hats and dusted off their shovels for a groundbreaking ceremony on June 29 at the Institute's complex in Front Royal, Virginia, where the two organizations are creating facilities to support a joint conservation biology program for undergraduates and professionals. GMU will build residential and dining facilities funded through a \$20 million state bond, while the

Smithsonian is renovating and expanding an existing building to house classrooms, laboratories, and faculty offices for a new education center. Relocation of animals from this building is complete, paid for with \$1.87 million in raised funds. A single construction contract for the education center and concurrent utility upgrades was awarded in May 2011; the total cost of this work is \$15.6 million—\$10.6 million in Federal funds in fiscal years 2010–2012 and \$5 million in private funds. All facilities are projected to be complete for the start of the fall 2012 semester.

National Postal Museum, New Program Space

\$18.2 million total estimated project cost

The National Postal Museum, located in the historic Washington, D.C. City Post Office Building, has been given 12,000 square feet of space and use of a central hall by the U.S. Postal Service. Using funds from non-Federal sources, the project will transform the new space into a philatelic center and a visitor orientation space. Design is scheduled to be complete in late summer 2011, with construction starting in early 2012 and an opening in 2013.

National Museum of African American History and Culture

\$500 million total estimated project cost

Concept design submittals are being updated based on comments from a March 2011 presentation to the Commission of Fine Arts and the National Capital Planning Commission. Summer 2011 is expected to see a Record of Decision with a final environmental impact statement; culmination of Section 106 Historic Resources consultations in a programmatic agreement; completion of the relocation of a gas main on the site; and the award of a contract for a construction management firm to coordinate design and construction issues for a more efficient construction start in fall 2012. The Museum continues the concept phase of exhibit design with Ralph Appelbaum Associates. Total project costs are to be shared evenly, with \$250 million from Federal capital funds and \$250 million from non-Federal sources.

Arts and Industries Building (AIB)

\$52.8 million estimated cost for shell only

Construction on the AIB shell revitalization project (structural upgrades and replacement of the roof and windows) began in November 2010, and should be completed by spring 2013. Project funding consists of \$30 million from the Federal Legacy Fund, \$15 million from Federal facilities capital funds, and the rest from private gifts. Scope definition is underway for the next phase, the design of an underground services building shared with the Castle; however, anticipated reductions in Federal appropriations have pushed the funding for its construction into fiscal year 2014 or beyond.



Smithsonian Tropical Research Institute, Gamboa Laboratory Facilities

\$19.4 million total estimated project cost

The Smithsonian Tropical Research Institute is proceeding with the replacement of outdated facilities; a new terrestrial science lab on its recently acquired Gamboa site will be funded with \$15.94 million in Federal and \$3.46 million in Trust funds. Programming, design, and selection of construction management are complete, with construction to begin in summer 2011.

Smithsonian Environmental Research Center, Mathias Replacement Laboratory Project

\$50.66 million total estimated project cost

The Smithsonian Environmental Research Center is eliminating trailers that house lab space and offices; renovating and reconfiguring the Mathias Lab; and creating replacement labs that meet national standards. The 95,000-square-foot project employs sustainable technologies and building materials that will yield substantial reductions in energy and maintenance costs. A construction award was made in early April 2011, with completion expected by mid-2014.

Donald W. Reynolds Center for American Art and Portraiture

\$19.5 million total estimated project cost

The Smithsonian will complete the renovation of the Reynolds Center with the reconstruction of the F Street stairs and the addition of landscaping and security. Costs are estimated to be \$9.5 million in Federal funds and \$10.0 million in Trust funds.

Museum Support Center of the National Museum of Natural History, Pod 3

\$38.5 million total estimated project cost

Renovations have been completed on Pod 3 in Suitland, Maryland, which provides consolidated storage space for several types of collections. Transfers of collections from four museums began in June 2010, and will take two years and cost almost \$2 million to complete.

National Museum of Natural History, Main Building Ground Floor and Mezzanine

\$24.0 million total project cost

The entire north ground floor of the main Natural History Building is under renovation. The 15,500-square-foot west end of the floor will become a new education center, and the 27,600-square-foot east end will house an expanded Smithsonian Early Enrichment Center, renovated Smithsonian Institution Libraries facilities, a paleobiology laboratory, and a consolidated facility support operations center. The project was awarded for construction in December 2010, with completion planned for mid-2012.

National Museum of American History, Kenneth E. Behring Center

Revitalization of west wing public spaces, package III: \$60 million total project cost

The third phase of renovation at the National Museum of American History will focus on three west wing public spaces. Data gathering, field surveys on existing conditions, and schematic design have been completed. The 95 percent design documents are complete, with final construction documents expected by summer 2011 and construction to begin in early spring 2012. The Federal appropriation for design (\$6 million) was received in fiscal years 2009 and 2010. Initial construction funding of \$5 million was received in fiscal year 2011, with the remainder (\$49 million) requested for fiscal years 2012–2014.

Cooper-Hewitt, National Design Museum

\$57.7 million total estimated project cost

The renovation of the Fox-Miller townhouses is scheduled to be complete in late summer 2011. Design for the Carnegie Mansion renovation was



completed in April 2011, with a construction contract to be awarded in summer 2011 and construction itself to be completed by mid-2013. Total project costs include \$26.5 million in Federal funds and \$31.2 million in private funds. Of the required private funds, over \$30 million (more than 94 percent) have been identified in gifts and pledges.

Permanent Physical Security Barriers

\$55 million total project cost

Security barriers at the National Air and Space Museum and the National Museum of American History are complete. The final phase of barrier construction at the National Museum of Natural History is underway, with completion expected in summer 2011. Construction of barriers for the Castle and Quadrangle will start in fiscal year 2016, and work on off-Mall barriers will follow in order of priority.

American Recovery and Reinvestment Act of 2009 Projects

\$25 million total project cost

The American Recovery and Reinvestment Act of 2009 provided \$25 million for repair and revitalization projects not covered by fiscal year 2009 funding. All project contracts were awarded by the end of fiscal year 2010, and final contractor payments were made by the end of January 2011. Contract closeouts and final reporting occurred in May 2011.

Sustainability

The Smithsonian is committed to the strategic objectives and goals of Executive Order 13514, “Federal Leadership in Environmental, Energy, and Economic Performance,” which set sustainability goals for Federal agencies. During the third quarter, the Institution submitted its 2011 Strategic Sustainability Performance Plan (SSPP) to the Council on Environmental Quality (CEQ). The document summarizes the Institution’s activities and successes during the prior fiscal year. Highlights include:



- Implementation of Federal environmental and energy management requirements in all design and construction projects in 2011.
- Increasing alternative fuel consumption by 8 percent over fiscal year 2009 levels.
- Reduction of petroleum use by 5.6 percent from the fiscal year 2009 baseline (exceeding the Executive Order mandate of 2.5 percent).
- Completing a comprehensive greenhouse gas emission inventory.
- Installation at the **National Zoo** of almost 200 containers to collect recyclable cans and bottles used by visitors and staff. (In their first season of use, the Zoo increased the amount of recycled material from a quarter of a ton to two-and-a-half tons per month.)
- A non-hazardous solid waste diversion figure of 17 percent (which exceeded the fiscal year 2010 Smithsonian target of diverting 10 percent of such waste from landfill disposal).
- The installation by the **Office of the Chief Information Officer** of the NightWatchman computer power management utility for most computers, which ensures that 95 percent of purchased electronics are power-saving compliant.

There were many more significant accomplishments. Once reviewed, the SSPP will be available on the Smithsonian’s public website. Looking forward, sustainability will continue to receive considerable attention, with focus areas to include energy, waste management, and green purchasing and development.



Smithsonian Institution

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