



On May 22, 2010, the Smithsonian's Arctic Studies Center opened a new research facility and exhibition at the Anchorage Museum at Rasmuson Center in Anchorage, Alaska. The exhibition, Living Our Cultures, Sharing Our Heritage: The First Peoples of Alaska, features hundreds of objects from the collections of the National Museum of Natural History and the National Museum of the American Indian.

Report to the Regents Third Quarter, Fiscal Year 2010

Prepared by
Office of Policy and Analysis

Broadening Access: Visitation Summary

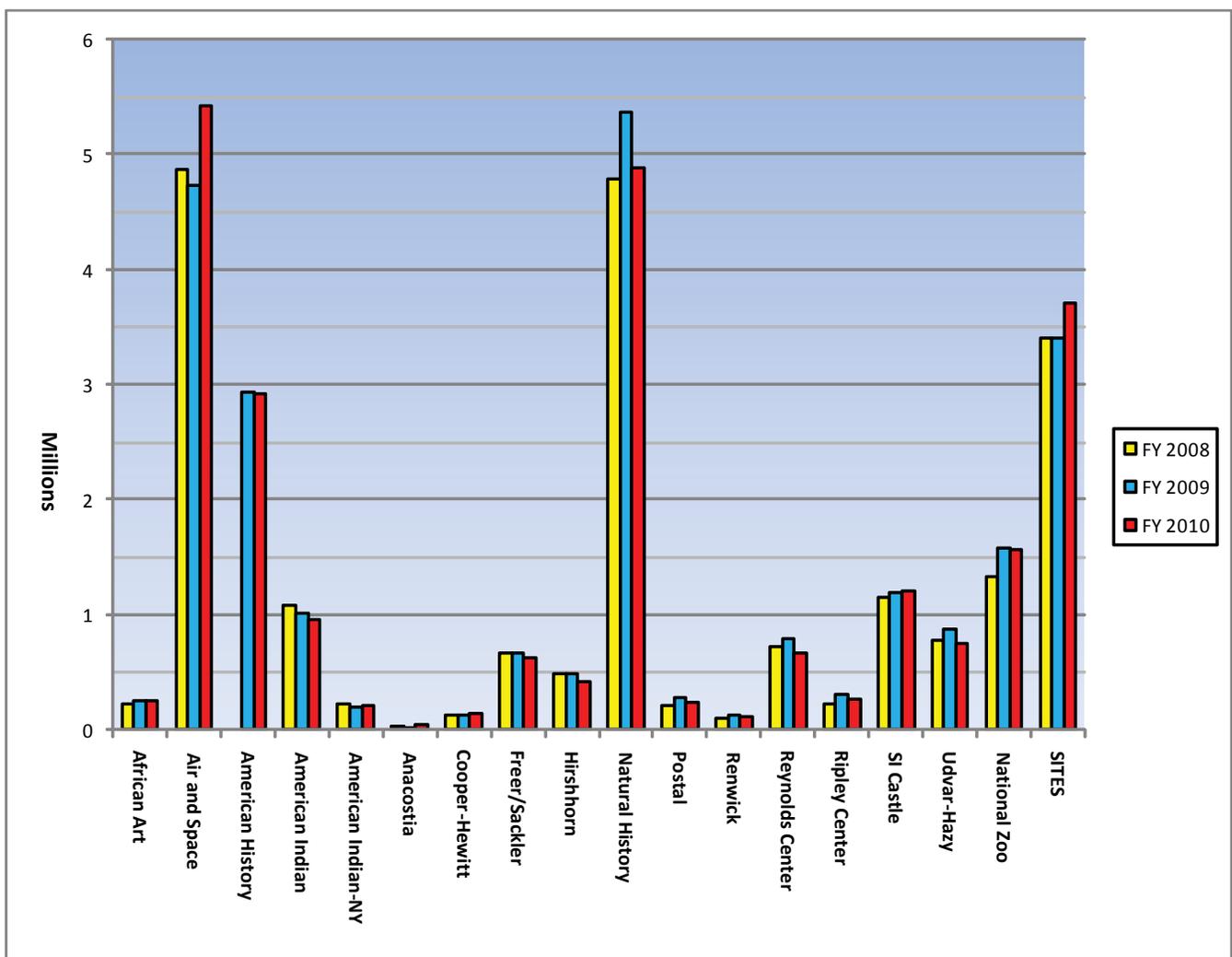
In the first three quarters of fiscal year 2010, the Institution counted 20.6 million visits to its museums in Washington, D.C., and New York city, plus the National Zoological Park and Steven F. Udvar-Hazy Center. This is almost identical to the number for the same period in fiscal year 2009, despite the paralyzing snowstorms that hit the Washington, D.C., region and shut down Smithsonian museums for several days in December 2009 and February 2010.

In the first nine months of fiscal year 2010, the Smithsonian also counted:

- Approximately 3.7 million visits to traveling exhibitions mounted by the Smithsonian Institution Traveling Exhibition Service.
- About 137 million visits to Smithsonian Web sites—similar to the figure for the first three quarters of fiscal year 2009.

Visits to Smithsonian Venues and Traveling Exhibitions

First Three Quarters of Fiscal Years 2008, 2009, and 2010



Grand Challenges Highlights

Valuing World Cultures

Research

The new publication *Living Our Cultures, Sharing Our Heritage: The First Peoples of Alaska*, coedited by Aron L. Crowell of the **National Museum of Natural History** and produced in association with the museum's Arctic Studies Center, is a richly illustrated volume featuring more than 200 objects created by 20 Alaskan Native peoples.

Gods of Angkor: Bronzes from the National Museum of Cambodia, a publication to accompany the Sackler Gallery's exhibition of the same name, was edited by the **Freer and Sackler Galleries'** Louise Allison Cort and Paul Jett. The Freer and Sackler Galleries are also presenting a lecture series, "Aspects of Angkor," in conjunction with the exhibition; the series will be posted on the Galleries' YouTube page.

The **National Museum of the American Indian's** Publications Office released a paperback edition of the James Beard Award-winning book *Foods of the Americas: Native Recipes and Traditions*, reintroducing the sold-out title to the international marketplace.

The Central American Ceramics Research Project, an ongoing initiative of the **Smithsonian Latino Center**, is surveying **National Museum of the American Indian** collections as part of its exploration of pre-Columbian ceramic traditions. This project, led by Alex Benítez of George Mason University, will result in an exhibition, public programs, and education and outreach activities in 2011–2012.

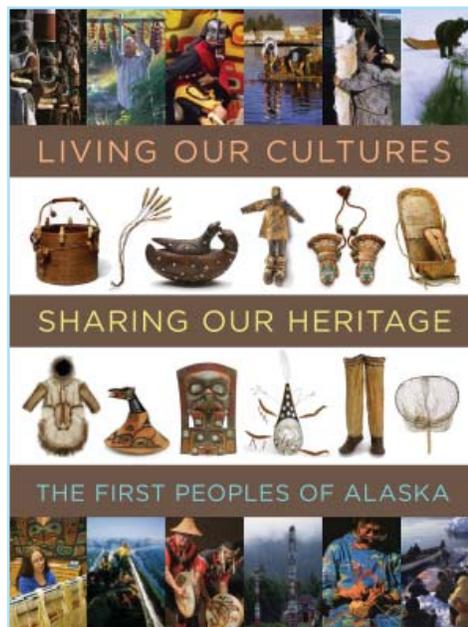
The **National Museum of the American Indian** marked the 40th anniversary of Earth Day with a symposium, "Honoring the Living Earth: Afro-Colombian and Indigenous Communities in Colombia." The museum's **George Gustav Heye Center** in New York hosted the symposium "Prospects for the United Nations Declaration of the Rights of Indigenous People" in collaboration with Pace University Law School and the International Council of Environmental Law.

Broadening Access

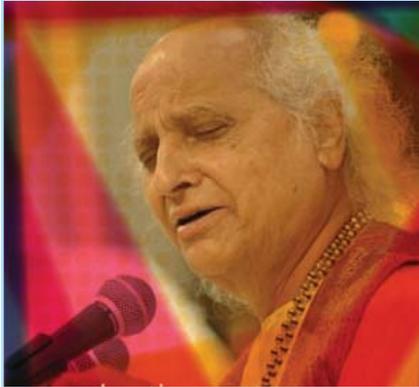
On May 22, 2010, the **National Museum of Natural History's** Arctic Studies Center opened a new research facility and the exhibition *Living Our Cultures, Sharing Our Heritage: The First Peoples of Alaska* at the Anchorage Museum at Rasmuson Center in Anchorage, Alaska. The exhibition showcases hundreds of objects from the collections of the National Museum of Natural History and the **National Museum of the American Indian**.

The **National Museum of African Art** had a banner quarter for exhibitions, with three openings:

- *Grass Roots: African Origins of an American Art* (June 23–November 28, 2010) traces the history of the coiled basket on two continents, from its origins in Africa to the American South.



- *The Healing Power of Art: Works of Art by Haitian Children after the Earthquake* was on view in the concourse of the Smithsonian's S. Dillon Ripley Center (June 17–October 17, 2010).
- *Paul Emmanuel: Transitions* (May 12–August 22, 2010) features the unique work of a critically acclaimed South African contemporary artist.



Indian classical musician Pandit Jasraj performed at the Smithsonian

The exhibition *Gods of Angkor: Bronzes from the National Museum of Cambodia* (May 15, 2010–January 23, 2011) at the Arthur M. Sackler Gallery is the fruit of an ongoing partnership between the **Freer and Sackler Galleries** and the National Museum of Cambodia. Featuring 36 exceptional works, it presents the fascinating story of bronze sculpture and casting in Cambodia through the ages.

For Asian Pacific American Heritage Month, the **Smithsonian Center for Education and Museum Studies** presented a concert featuring Indian classical musician Pandit Jasraj to an overflow crowd in the **National Museum of the American Indian's** Rasmuson Auditorium, as well as to 6,000 others around the world who watched it live online.

The **National Museum of the American Indian** hosted a variety of cultural programs at its Mall facility, among them the following:

- Its 4th annual Celebrate Hawai'i Festival, held during Asian Pacific American Heritage Month, honored the arts and culture of Hawai'i.
- The 4th Ibero-American Guitar Festival featured outstanding guitarists and other musicians from Spain, Portugal, and Latin America in a series of concerts, discussions, and master classes.
- The Inter-American Foundation (IAF) 40th Anniversary Bolivian Festival honored four decades of work by the IAF to support grassroots economies in Latin America.



The Celebrate Hawai'i Festival at the National Museum of the American Indian

Japan's Minister of Foreign Affairs, Katsuya Okada, informed the **Freer and Sackler Galleries** that James Ulak, Deputy Director and Senior Curator of Japanese Art, had been selected for induction into the Order of the Rising Sun for his contributions to strengthening ties between Japan and the United States.

Masterpieces of Chinese Painting (June 12–November 28, 2010), an exhibition at the Freer Gallery of Art, puts some of the finest Chinese works in the gallery's collection on view.

In addition to cosponsoring *Local Lives, Global Ties*, a program at this year's Smithsonian Folklife Festival, the **Asian Pacific American Program** sponsored a diverse range of activities, such as:

- A presentation by writer Peter Bacho on his latest work; the presentation contributed to the Program's ongoing efforts to promote Asian Pacific American writers and literature.

- A family event, cosponsored with the **Smithsonian Center for Education and Museum Studies**, at the Renwick Gallery in conjunction with the exhibition *Art of Gaman*, featuring Japanese and Japanese American performances, arts, and crafts.
- A book-signing and lecture event with Jennifer 8 Lee, author of *The Fortune Cookie Chronicles: Adventures in the World of Chinese Food*, in which Lee talked about how Chinese food has become an American institution.

The exhibition *Yuungnaqpiallerput: Masterworks of Yup'ik Science and Survival* at the **National Museum of Natural History** (April 17–July 25, 2010) featured tools, weapons, watercraft, and clothing that the Yup'ik Eskimo have used for centuries to survive in the sub-arctic tundra of the Bering Sea coast.

Family Fiesta: Viva México at the **Anacostia Community Museum** was a celebration of Mexico in conjunction with the exhibition *The African Presence in México*. It engaged a number of community and Smithsonian partners in conveying the sound, look, arts, and culture of Mexico.

Also at Anacostia, radio personality Jim Byers of WPFW FM's "Latin Flavor—Classic Edition," hosted several programs in the Metro Mambo series, focusing on Latin jazz music in the Washington, D.C., area and the wider world.



Viva México at the Anacostia Community Museum

Understanding the American Experience

Research

The book *Ain't Nothing Like the Real Thing: How the Apollo Theater Shaped American Entertainment* serves as a companion to the **National Museum of African American History and Culture** exhibition. Edited by Richard Carlin and Museum Deputy Director Kinshasha Holman Conwill, it features a foreword by Motown legend Smokey Robinson and chapters by 26 historians, musicologists, performers, critics, and public figures, including the **National Museum of American History's** John Edward Hasse.

The **Smithsonian American Art Museum** published several books:

- *Christo and Jeanne-Claude: Remembering the "Running Fence,"* published with the University of California Press in conjunction with the museum's new exhibition, includes contributions from Museum Director Elizabeth Broun and a foreword by Smithsonian Secretary Wayne Clough.
- *Painting Indians and Building Empires in North America: 1710-1840*, also copublished with the University of California Press, was written by the museum's William H. Truettner.
- *Telling Stories: Norman Rockwell from the Collections of George Lucas and Steven Spielberg*, copublished with Abrams, was written by the museum's Virginia M. Mecklenburg.

A two-volume catalogue from the Smithsonian Institution Scholarly Press, *Patent Models Index: Guide to the Collections of the National Museum of American History* by Barbara Suit Janssen, provides the first comprehensive listing of the museum's collection of more than 10,000 patent models from 1836–1910.

Sergio Cortesini of the University of Cassino in Italy received the **Smithsonian American Art Museum's** first Terra Foundation for American Art International Essay Prize for "Unseen Canvases: Italian Painters and Fascist Myths across the American Scene." This award recognizes an outstanding scholar of American art history based outside the United States.



An exhibition and book from the Smithsonian American Art Museum remembered Christo and Jeanne-Claude's famous *Running Fence*

In the book *Call The Lost Dream Back: Essays on History, Race, and Museums*, **National Museum of African American History and Culture** Director Lonnie G. Bunch shares insights from his lifetime as a scholar and a leading voice in the museum world.

Broadening Access

The **Smithsonian American Art Museum** opened *Christo and Jeanne-Claude: Remembering the Running Fence* (April 2–September 26, 2010), an exhibition drawn from the Museum's archive of 350 drawings, photographs, and other documentation of this monumental work of art. Several distinguished Californians were honorary patrons, including Speaker of the House Nancy Pelosi, Senators

Dianne Feinstein and Barbara Boxer, U.S. Representatives Lynn Woolsey and Doris Matsui, California Attorney General Jerry Brown, and San Francisco Mayor Gavin Newsom.

An accompanying film, *The Running Fence Revisited*, captured the memories of people who experienced the *Running Fence*. It includes interviews with the artists Christo and Jeanne-Claude and the ranchers whose land was crisscrossed by the work. There was a full house for the film's premiere in the McEvoy Auditorium, which was followed by a conversation and book signing with Christo.

The **National Museum of African American History and Culture** exhibition *Ain't Nothing Like the Real Thing: How the Apollo Theater Shaped American Entertainment* (April 23–August 29, 2010) opened at the **National Museum of American History**. The exhibition will next go on a tour organized by the **Smithsonian Institution Traveling Exhibition Service**, starting at Detroit's Charles H. Wright Museum of African American History.



Displays of performance attire from the golden age of the Apollo Theater

To complement the exhibition, the museum presented the free concert "You Heard It First at the Apollo: A Mid-Century Jazz Sampler" at the **National Museum of Natural History**.

At the end of the quarter, the **Smithsonian American Art Museum** was preparing to open one of the most anticipated exhibitions in its recent history: *Telling Stories: Norman Rockwell from the Collections of George Lucas and Steven Spielberg*. The museum has produced a catalogue, a short film, a podcast, and a wide array of educational events and public programs to accompany the exhibition.



The National Air and Space Museum honored Christopher Kraft, NASA's first flight director for human spaceflight

The **National Portrait Gallery** exhibitions *20th Century Americans: 1950 to 1980* and *20th Century Americans: 1980 to 2000* (both August 20, 2010–June 19, 2011) feature portraits of notable Americans ranging from Jonas Salk, Walter Cronkite, and J.D. Salinger to Michael Jackson, Ellen DeGeneres, and Stephen King. These reflect both the variety of media the gallery collects and its new policy of accepting portraits of living subjects into its collection.

The **National Air and Space Museum** conferred its 2010 Current Achievement Award on the flight crew of US Airways Flight 1549. Its Lifetime Achievement Award went to Christopher C. Kraft Jr., NASA's first flight director for human spaceflight.

The Lemelson Center of the **National Museum of American History** launched a collaborative design project with The Tech Museum in California. Via online design challenges, the Center is inviting the public to develop design concepts for the Center's next exhibition about "hot spots" of innovation.

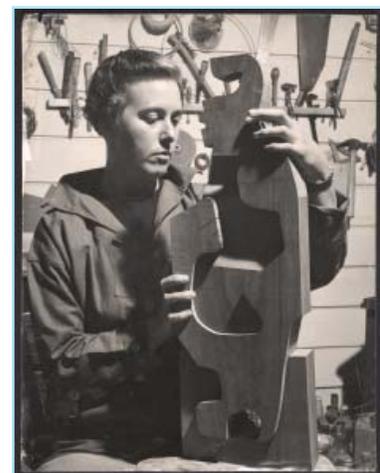
The **National Postal Museum's** refurbished permanent exhibition *Pony Express: Romance vs. Reality*, which opened on April 3, 2010, examines both real and fictional stories of the legendary mail carrier service.

The **National Museum of American History** partnered with The History Channel to present a live Webcast on invention in conjunction with the Channel series *America: The Story of Us*. Museum curator Paul F. Johnston and Richard Norton Smith of George Mason University fielded questions from both an in-house audience and students at 3,500 schools across the nation who joined via the internet.

The **National Portrait Gallery's** *Smithsonian Spotlight: Making A Winning Portrait* won a Platinum Remi Award at the 43rd WorldFest-Houston Independent International Film Festival. The video includes interviews with gallery curators and Outwin Boochever Portrait Competition winners and judges.

The gallery also hosted former First Lady Rosalynn Carter for a talk on her new book, *Within Our Reach: Ending the Mental Health Care Crisis*.

Online access to 13 **Archives of American Art** collections totaling 127 linear feet was completed, including eight collections that were fully digitized with funding provided by the Terra Foundation.

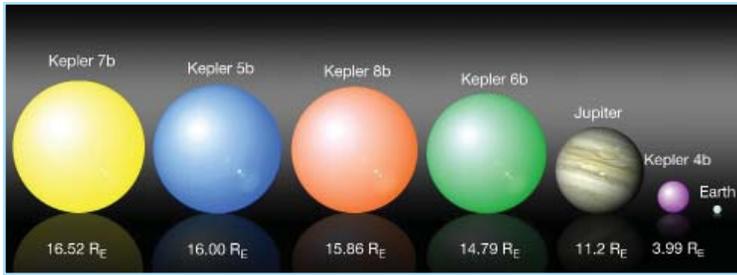


The papers of sculptor Claire Falkenstein were among those made available online by the Archives of American Art

Unlocking the Mysteries of the Universe

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

During this quarter, CfA scientists' research appeared in 93 peer-reviewed papers and 148 non-peer-reviewed articles at meetings, conferences, or other venues.



Size comparison of some solar and extrasolar planets



The asteroid Gaspra, a Near-Earth Object

that uses the world's largest digital camera (1.4 giga-pixels). The telescope just began scanning the skies, searching for asteroids that threaten Earth while mapping the universe and investigating the mysteries of dark matter and dark energy.

was probably ejected from the galaxy's nucleus 100 million years ago after interacting with a black hole.

Near-Earth Objects (NEOs) are asteroids whose orbits bring them dangerously close to Earth; they are also potential destinations for manned space exploration. In this quarter, SAO astronomers announced the first results of the largest program currently under way to determine the sizes and characteristics of NEOs.

SAO is a partner in Pan-STARRS, a new sky survey telescope



The Pan-STARRS sky survey telescope

Other Research

National Museum of Natural History geologist Tim McCoy and his colleagues published three papers in the journals *Meteoritics and Planetary Science* and *Icarus* that reported the first comprehensive mineralogical, mineral compositional, and spectral studies of ordinary chondrites, a type of meteorite.

Broadening Access

In the third quarter, the National Air and Space Museum hosted three *Exploring Space* lectures, all of which were Webcast and archived for subsequent viewing. Subjects covered included the power of the Martian winds, the impacts and collisions of objects in space that shaped the solar system seen today, and the *Phoenix* spacecraft's mission to Mars.

Understanding and Sustaining a Biodiverse Planet

Research: National Zoological Park (NZIP)

Smithsonian Conservation Biology Institute (SCBI)

NZIP scientists published 32 peer-reviewed works in the third quarter. These included 10 book chapters, one book, 20 journal articles, and one special journal issue. Of the articles, two were published in high-impact journals (the *Journal of Ornithology* and *Proceedings of the National Academy of Sciences*).



At the opening of the new SCBI genetics lab: Jesus Maldonado, research geneticist; Nancy Rotzel, lab manager; Eva Pell, Under Secretary for Science; Dennis Kelly, NZP Director; Steve Monfort, SCBI Director; Rob Fleischer, head of the SCBI Center for Conservation and Evolutionary Genetics

Coral reefs throughout the world are dying from both local and global causes. To address the crisis, SCBI's Mary Hagedorn and her colleagues are applying human fertility techniques—cryopreserving coral embryonic cells and establishing a frozen repository for Hawaiian coral.

On May 25, 2010, SCBI opened a new genetics lab at the NZP facility in Washington, D.C. Genetics research at the Zoo helps conservationists worldwide save animal species on the brink of extinction and manage animals in captivity.

A scimitar-horned oryx was among the endangered animals born this year at SCBI.

The species is extinct in the wild, but NZP has partnered with the Sahara Conservation Fund and other zoos to establish a plan for the reintroduction of oryx across the Saharan range, their native home.

Research: Smithsonian Environmental Research Center (SERC)

Scientists have long hoped that plants will help to moderate climate change by absorbing extra CO₂. A new paper by SERC's Adam Langley and Pat Megonigal in *Nature* suggests things are more complicated than previously thought. They found that when rising CO₂ levels are accompanied by an increase in nitrogen (another environmental consequence of human activity), the mix of marsh plants is affected in a way that reduces the ability of the ecosystem to absorb carbon—with grasses, which are comparatively bad at absorbing CO₂, gaining relative to sedges.



Adam Langley sprays plants in a test chamber with nitrogen

SERC's Wayne Coats recently finished an extensive description of the newly discovered parasitic dinoflagellate *Tintinnophagus acutus*, and thus earned naming rights. Coats first spotted *T. acutus* in the 1980s, and in the following years he and his collaborators documented its life cycle, conducted DNA analysis, and unearthed scientific papers dating back to 1873 to investigate how it differs from previously identified species.

Research: National Museum of Natural History (NMNH)

The American Society of Plant Taxonomists awarded NMNH botanist Harold E. Robinson its Asa Gray Award for career achievement. Robinson, an expert on the sunflower family, has published 900 papers and over 600 new species names in his 54-year career.

NMNH botanist Vicki Funk, lead editor of the book *Systematics, Evolution and Biogeography of Compositae*, was awarded the Stebbins Medal of the International Association for Plant Taxonomy for “an outstanding publication in phylogenetic plant systematics and/or plant evolution.”

Research: Smithsonian Tropical Research Institute (STRI)

Paleontologists from STRI and the University of Florida have surmised that millions of years ago the young of the biggest shark species ever known, *Carcharolcles megalodon*, frolicked in the warm waters of what is now Panama. They based their results, which were published online in the journal *PloS ONE*, on more than 400 fossil shark teeth from Panama's 10 million-year-old Gatun Formation.

Blue-green orchid bees are an important part of tropical habitats, zipping through patches of tropical forest to pollinate flowers. For the first time, researchers at STRI have been able to track unique signals from tiny transmitters glued to individual orchid bees, yielding new insight into the role of bees in tropical forest ecosystems. Their findings were also published by *PloS ONE*.

STRI co-organized the forum “Kuna Yala: Tradition and Climate Change.” It sought to initiate a scientific dialogue between Panamanian authorities and the Kuna indigenous people whose autonomous territory is facing climate-change challenges such as rising sea levels.



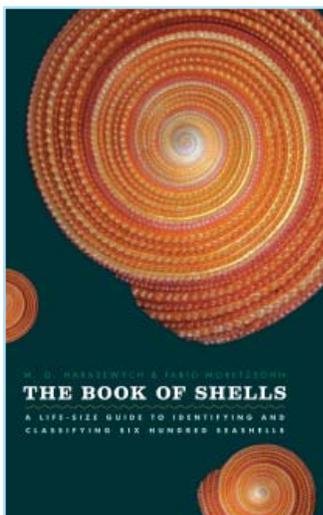
An orchid bee

Broadening Access

The **National Museum of Natural History** launched its Ocean Portal Web site on World Ocean Day, June 8, 2010. It features a section on the Smithsonian's response to the Gulf oil spill, and introduces visitors to the Institution's vast Gulf of Mexico collections. Twenty-six organizations are collaborating to provide content for the site.

The Global Volcanism Program Web site at the **National Museum of Natural History** added videos produced from historical film footage of eruptions. This follows a major effort to digitize valuable films in the program's archive that had been at risk of deterioration.

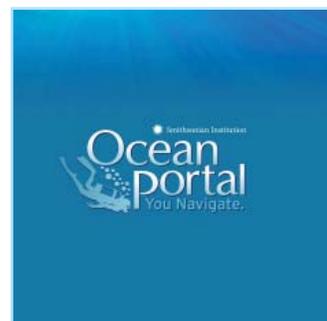
Two **National Zoo** veterinarians assisted with wildlife relief efforts in the Gulf of Mexico following the disastrous BP oil spill. Judilee Marrow went to the Gulf at the invitation of the U.S. Fish and Wildlife Service, and Luis Padilla assisted with a pelican release in Texas.



To mark the first-ever female brown kiwi chick birth at the **National Zoo**, New Zealand Ambassador to the United States Roy Ferguson was asked to name the chick. He chose the name Hiri, which means “important and great” in Māori. Ferguson later presented a pair of brown kiwis to the Zoo as a contribution to its new breeding program for kiwis.

The Biodiversity Heritage Library (BHL), a collaborative project of the **Smithsonian Institution Libraries** and several of its peers, hit a milestone with the integration of BHL content (over 42,000 titles, 80,000 items, and 30 million pages) into the Europeana digital library.

M.G. Harasewych of the **Natural Museum of Natural History** and Fabio Moretzsohn of Texas A&M University published a lavishly illustrated guide to 600 shells, *The Book of Shells*, which has received many positive reviews and was highlighted in the Science section of *The New York Times*.



Crossing Boundaries

Research

Cooper-Hewitt, National Design Museum, produced two publications to accompany recent exhibitions:

- a 12-page brochure written by Muehling and Cooper-Hewitt curator Sarah Coffin to accompany *Ted Muehling Selects: Works from the Permanent Collection*, and
- a full-length catalogue for *National Design Triennial: Why Design Now?* written by Cooper-Hewitt curators Ellen Lupton, Cara McCarty, Matilda McQuaid, and Cynthia Smith. In keeping with the sustainability theme of the exhibition, the catalogue is printed by Toppan, the only printer included in the Global 100 list of the sustainable companies.

The Hirshhorn Museum and Sculpture Garden's Susan Lake gave a lecture, "The Role of the Conservator in an Evolving Acquisition Process," at the symposium *Contemporary Art: Who Cares?* in Amsterdam, the Netherlands. Publications by Hirshhorn scholars included an essay by exhibition co-curator Kerry Broucher in the catalogue *Yves Klein: With the Void, Full Powers*, and *Willem de Kooning: The Artist's Materials*, also by Susan Lake.

In June 2010, the Museum Conservation Institute hosted the annual SI Conservation Conference, with eight presentations from fellows and advanced interns in conservation at six Smithsonian units, and topics ranging from the letterpress copying books of Spencer Fullerton Baird to pre-Columbian gold.

Broadening Access

The Center for Folklife and Cultural Heritage's 2010 Smithsonian Folklife Festival (June 30–July 4 and July 7–11) attracted around 750,000 visitors. Its three headline programs were:

- *México*, celebrating the 200th anniversary of Mexican independence and the 100th anniversary of the Mexican Revolution;
- *Asian Pacific Americans: Local Lives, Global Ties*, exploring the connections between local American communities and their ancestral homes; and
- *Smithsonian Inside Out*, a behind-the-scenes look at the Institution.



The traditions of the lands of origin of Asian Americans were a theme at this year's Smithsonian Folklife Festival

The Festival also featured a special concert and craft displays that showed the resilience of Haitian artists in the wake of the catastrophic January 2010 earthquake.

The Hirshhorn Museum exhibition *Yves Klein: With the Void, Full Powers* (May 20–September 12, 2010) received impressive media coverage, including pieces in the *New York Times*, the *Washington Post*, *Time*, *The New Yorker*, and *The Economist*, as well as many specialty art publications. Blake Gopnik, art critic for the *Washington Post*, called it "one of the most important shows in the Hirshhorn's history."

The Freer and Sackler Galleries are organizing a series of Webinars on the global context of the Freer's American collections. On May 12, 2010, "A Deeper Look at Surface Beauty: American Art and Freer's Aesthetic Vision" attracted nearly 500 viewers and featured live translations in Japanese and Korean.

Two new exhibitions were unveiled at **Cooper-Hewitt, National Design Museum**:

- *Ted Muehling Selects: Lobmeyr Glass from the Permanent Collection* (April 23, 2010–January 2, 2011), guest curated by New York designer Ted Muehling, features selections from the museum’s recent acquisition of glassworks from J. & L. Lobmeyr of Vienna, Austria.
- *National Design Triennial: Why Design Now?* (May 14, 2010–January 9, 2011), the fourth exhibition in the Museum’s triennial series, explores the work of designers addressing human and environmental problems across many fields of practice.



Lobmeyr glassworks from the Cooper-Hewitt collection

Also at Cooper-Hewitt, a special exhibition honoring the 40 finalists of Google’s “Doodle 4 Google: If I Could Do Anything, I Would...” design competition for K–12 students went on display in the museum’s Target National Design Education Center (May 27–August 15, 2010).

The 2010 **National Air and Space Museum** John H. Glenn Lecture on April 15, 2010, marked the 40th Anniversary of the flight of Apollo 13. Introduced by Senator Glenn, the panel discussion featured the surviving Apollo 13 astronauts and other contributors to the mission who discussed the challenges they faced in bringing the crew of the damaged spacecraft safely back to Earth.

The museum also premiered its new IMAX film, *Legends of Flight 3D*, at both its Mall and Udvar-Hazy locations. The film puts viewers in the cockpits of some of history’s most amazing aircraft.

On May 29, 2010, the **National Museum of Natural History** opened a photography exhibition, *Celebrating 100 Years at the National Museum of Natural History* (on display through March 20, 2011), that explores a century of research, collections, expeditions, exhibitions, and public programming.

Under Secretary for Science Eva Pell and **Museum Conservation Institute** Director Robert Koestler attended the signing in Paris of a Memorandum of Understanding between the Smithsonian and the French national synchrotron research facility SOLEIL, highlighting a growing relationship between French and Smithsonian conservation scientists.



MCI Director Robert Koestler (far left) and Under Secretary Eva Pell (second from left) with French collaborators in Paris

The **Smithsonian Institution Libraries** (SIL) received two awards from its peers. SIL’s *Galaxy of Images* was chosen as a 2010 “Best of Reference” resource on an annual list of books, Web sites, and electronic resources selected by librarians. The Association of Research Libraries’ publication *Choice: Current Reviews for Academic Libraries* selected the SIL Web site “Library and Archival Exhibitions on the Web” as an editor’s pick, calling it “the most comprehensive source for existing digital exhibitions.”

Smithsonian Folkways Recordings released *The Sounds of Mariachi: Lessons in Mariachi Performance*, (with liner notes co-written by **Center for Folklife and Cultural Heritage** Director Daniel Sheehy) and *Rappahannock Blues*, a selection of live tracks featuring Appalachian bluesman John Jackson.

Broadening Access: Outreach

Smithsonian Affiliations offers museums, cultural institutions, and educational organizations access to the Institution's collections and other resources. As of June 2010, there were 166 Smithsonian Affiliates in 41 states, the District of Columbia, Panama, and Puerto Rico. In this quarter:

- the Smithsonian welcomed three new Affiliates: the Wyoming State Museum and Archives (Cheyenne, Wyoming), St. Augustine Lighthouse and Museum (St. Augustine, Florida), and Colorado Historical Society (Denver, Colorado);
- the Institution loaned 104 artifacts to Affiliates; and
- Smithsonian staff participated in 13 public programs at Affiliates.

Sixty-seven participants representing 49 Affiliates in 29 states attended the 2010 Affiliations National Conference in Washington D.C. on June 13–15, 2010. Attendees had the opportunity to take behind-the-scenes tours, attend a roundtable session devoted to the Grand Challenges, and visit a resource fair featuring staff from 21 Smithsonian units. At a Congressional reception, 17 Capitol Hill attendees were present, including two U.S. Representatives.



Resource fair at the 2010 Affiliations National Conference

The **Smithsonian Institution Traveling Exhibition Service (SITES)** continued to sustain a high level of outreach activity. As of the end of the fiscal year 2010 third quarter, SITES had circulated 42 exhibitions to 163 venues in 37 states, the District of Columbia, and Guam, where they were viewed by approximately 3.7 million visitors. In the third quarter, SITES opened national tours of two exhibitions:

- *Ain't Nothing Like the Real Thing: The Apollo Theater and American Entertainment*, a collaboration with the National Museum of African American History and Culture, opened at the Smithsonian's National Museum of American History, and
- *Green Revolution* opened at the Bob Jones Nature Center in Southlake, Texas. This is SITES's first-ever zero carbon-footprint exhibition—the result of a new initiative in which exhibition design files are licensed to host venues, enabling multiple venues to create their own shows.

The Smithsonian Associates (TSA) offers public programs relating to all four Grand Challenges for audiences of all ages in the D.C. region and beyond. During the third quarter, TSA presented

- 37 programs connected to Understanding the American Experience, including an interview with former First Lady Laura Bush by political analyst Cokie Roberts;
- 34 programs connected to Valuing World Cultures, including a panel discussion on “India and America: Looking Ahead” that featured Ambassador of India Meera Shankar;
- 21 programs connected to Understanding and Sustaining a Biodiverse Planet, including a Discovery Theater presentation by naturalist Andrew Wilson on life “Under the Sea”; and
- seven programs connected to Unlocking the Mysteries of the Universe, including a lecture by Paul Davies of Arizona State University on intelligent extraterrestrial life in conjunction with his new book, *The Eerie Silence*.



A banner at the Katzen Arts Center of American University announced the University's partnership with the Smithsonian through TSA.

In addition, TSA partnered with American University to host five programs, including an interview with renowned Harvard biologist and sociobiologist E.O. Wilson; orchestrated the second annual Smithsonian Week in Riverside, California, in collaboration with the Riverside Metropolitan Museum; sponsored two Teaching American History workshops for teachers in Flint, Michigan; and created a program for students in Lafayette, Louisiana, featuring presentations by Smithsonian scholars on the solar system.

In April 2010, the **National Museum of African Art** received a \$176,215 grant from the W.H. Kellogg Foundation to undertake outreach to

the local African immigrant community. Among the many intended outcomes, the museum hopes to provide support for immigrants' artistic traditions and offer opportunities for immigrants to help develop museum programs.

Broadening Access: Education

The **National Science Resources Center** published four books in its Science and Technology Concepts series:



- *Weather* introduces children to the concept of weather and how it affects their lives.
- *Organisms* introduces children to the basic characteristics of living things, while helping them develop an understanding of and sensitivity to life.
- *Comparing and Measuring* helps children with the developmental sequence of comparing, matching, and measuring.
- *Soils* introduces children to the components of soil and explores the relationship between soil and plant growth.

The **Office of Fellowships** reports that 85 fellowship awards were offered to scholars, scientists, and students to conduct research at the Smithsonian. These included eight senior fellows, 26 postdoctoral fellows, 36 predoctoral fellows, 12 10-week graduate student fellows, and three postgraduate conservation fellows. Among the subjects being investigated with the help of the Smithsonian's resources are the Llama Volcano in Chile, nocturnal foraging bees, South Asian art, the history of photography in Mozambique, gender and race in cartooning, and race and commerce in Southern popular music.

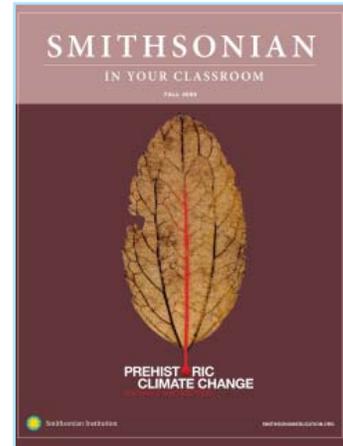
Several Smithsonian fellowships and internships geared at increasing diversity made awards this summer:

- The Latino Studies Fellowship Program awarded three postdoctoral and two predoctoral fellowships to scholars with an interest in Latino history, culture, and art.

- The Native American Awards Program offered awards to one visiting student and one community scholar to pursue research related to Smithsonian American Indian collections and programs.
- The James E. Webb Internship Program for Minority Graduate Students in Business and Public Administration, which promotes excellence and diversity in the management of not-for-profit institutions, enabled six students to intern in Smithsonian administrative offices.
- The Minority Awards Program made 24 awards.

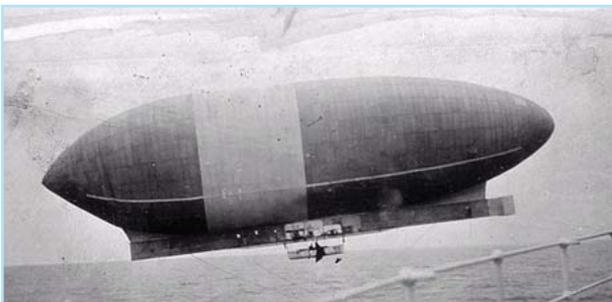
The **Smithsonian Center for Education and Museum Studies** offered several digital learning opportunities, including

- “Problem Solving with Smithsonian Experts,” a four-day online educational conference that connected 9,000 people—from every U.S. state and territory, 128 countries, and 6 continents—with experts in fields ranging from folk music to extrasolar planets; and
- “Sizing Up the Universe,” an online game in which players estimate relative size using everyday objects and relative distance using online mapping tools. The game complements the latest issue of the center’s publication *Smithsonian in Your Classroom*.



The Science Media Group of the **Smithsonian Astrophysical Observatory** won the American Association for the Advancement of Science prize for online resources for the Web-based instructional resource “The Habitable Planet: A Systems Approach to Environmental Science”—a pan-Institutional effort involving contributions from the **Smithsonian Tropical Research Institute** as well as the Observatory.

Strengthening Collections



The National Air and Space Museum acquired the lifeboat used in the first attempted trans-Atlantic airship flight in 1910

The **National Air and Space Museum** acquired the lifeboat used in the first two attempted crossings of the Atlantic by airship in 1910 and 1912. It will be displayed at the Udvar-Hazy Center.

Significant recent additions to the collections of the **National Portrait Gallery** include depictions of U.S. Supreme Court Chief Justice John Marshall by Cephas Thompson (1809–10) and of advice columnist Ann Landers by Roger Robles (1988). The Gallery also acquired four 1877

photographs of the Old Patent Office Building (now the Reynolds Center) and a rare ambrotype of Confederate military hero John Pelham by Mathew Brady—a major addition to the Civil War collection.

The **Archives of American Art** acquired the records of the Holly Solomon Gallery, which sold the work of important artists of the 1970s and 1980s, including William Wegman, Gordon Matta-Clark, and Nam Jun Paik. The collection also documents Holly Solomon’s alternative space, 98 Greene Street Loft, which provided artists like Laurie Anderson and Robert Mapplethorpe their first serious exposure.

Organizational Excellence

Major Construction, Renovation, and Facilities Projects

National Museum of African American History and Culture

\$500 million total estimated project cost

Three concept designs for the new museum were presented to the National Park Service and Commission of Fine Arts in April 2010. Using comments from that presentation, a refined pavilion on a rolling green landscape emerged as the concept that will be presented to the National Capital Planning Commission this fall. The design process includes monthly consultations with interested parties, in accord with the National Historic Preservation Act. In parallel with design activities, the preliminary draft environmental impact statement is being reviewed, and a draft will be issued to the public in late fall 2010, to be followed by a public hearing. Total project costs are to be shared evenly, with \$250 million in Federal capital funds and \$250 million from non-Federal sources.



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

\$33.3 million total estimated project cost

Design is substantially complete for structural repairs, fire-protection improvements, and safety upgrades at the Zoo's General Services Building, which houses vital support functions that must remain operational throughout construction and will be temporarily relocated to swing space. Replacement of an adjacent retaining wall supporting the North Road was recently incorporated into the project. The project also includes permanent relocation of the Institution's vehicle maintenance branch to a Suitland, Maryland, facility currently under construction. Federal funding has been requested for fiscal years 2012–2014 for replacement of the retaining wall and renovation of the General Services Building.

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 current standards for animal care and to improve accessibility. The project includes an upgrade of underground utilities in Beaver Valley. A construction contract was awarded in September 2009 and work is well under way. The old pools have been demolished and foundations for new retaining walls have been installed, with construction completion projected for early 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, Asia Trail II: Elephant Trails

\$52.4 million estimated total project and program cost



The second phase of the Asia Trail project will renovate the elephant house and enlarge yard space at a projected cost of \$52.4 million—\$37.6 million Federal (received in fiscal years 2006–2010) and \$14.8 million Trust. Construction began in March 2008, and the new elephant barn and two of three outdoor habitats are complete. The elephants began the transition to their new home in June 2010. Remaining work on the “elephant community center” has been removed from the original contract, and will be awarded to a new contractor by the end of this summer. Additional funding is being sought for the completion of the final habitat. The project is now scheduled to be complete in 2012.

Arts and Industries Building

\$64 million estimated cost for shell only

Construction documents for roof reconstruction, window replacement, and structural upgrades were completed on schedule and issued for bids by prequalified contractors. A construction contract award is expected by the end of September 2010, with construction to begin shortly thereafter. Exterior masonry repair/cleaning and selective interior demolition and hazmat removal, funded by the American Recovery and Reinvestment Act, were substantially complete by the end of June 2010, and exploration of program possibilities for the building continues while funding for scope development is sought.

National Museum of American History, Kenneth E. Behring Center

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

The focus of the third phase of renovation at the National Museum of American History is renewal of three public space floors in the west wing. Data gathering, field surveys on existing conditions, and schematic design have been completed. The concept design is progressing and is expected to be completed by fall 2010. The Federal appropriation for design (\$6 million) was received in fiscal years 2009 and 2010; additional Federal funding (\$54 million) has been requested for fiscal years 2011–2013.

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. Fiscal year 2016 estimates for the associated costs are \$9.5 million in Federal funds and \$10.0 million in Trust funds.

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

\$30 million total estimated project cost

A 2008 Memorandum of Understanding between the Smithsonian and George Mason University (GMU) established a framework for both parties to provide facilities to support a conservation biology program for undergraduates and professionals at the Smithsonian Conservation Biology Institute in Front Royal, Virginia. A bill authorizing construction has passed the House, but there has been no movement on the companion Senate bill. The Smithsonian will renovate and expand an existing building to house classrooms, laboratories, and faculty offices at a cost of \$10 million. Federal funds appropriated over fiscal years 2010–12 (\$5 million) and raised funds (\$5 million) will support the project. Design development is under way and construction is expected to begin in early 2011. GMU has secured a \$20 million bond from the Commonwealth of Virginia to construct residential and dining facilities on a portion of the Conservation Biology Institute's property. All facilities are projected to be complete and operational for the start of the fall 2012 semester.



National Air and Space Museum—Steven F. Udvar-Hazy Center, Phase II

\$81.8 million total project cost

Phase II of the Udvar-Hazy Center, now under construction, will add 237,000 square feet of collections care space to the current facility. Construction should be complete in December 2010, with fit-out of the storage, processing, and archives spaces subject to the receipt of Federal funding. Total project costs include \$68.7 million in Trust funds and \$13.1 million in Federal funds.

Smithsonian Tropical Research Institute, Gamboa Laboratory Facilities

\$19.1 million total estimated project cost

With the acquisition of 172.5 acres in Gamboa in 2007, the Smithsonian Tropical Research Institute is proceeding with the replacement of outdated facilities. A new terrestrial science lab facility on the site will be funded with \$15.67 million in Federal and \$3.46 million in Trust funds. Programming and design are under way, with the first construction procurement actions scheduled for late fiscal year 2010.

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

\$18.5 million total project cost

The entire north ground floor of the main Natural History building is slated for renovation. The 15,500-square-foot west end of the floor will become a new learning center, and the 27,600-square-foot east end will house an expanded Smithsonian Early Enrichment Center, renovated Smithsonian Institution Libraries facilities, an improved paleobiology laboratory, and consolidated facility support operations. Design for this Federally funded project was completed in May 2010, and an award for construction is anticipated by the end of fiscal year 2010.

Cooper-Hewitt, National Design Museum

\$53.5 million total estimated project cost

A contract for the renovation of the Fox-Miller townhouses was awarded in January 2010, and construction began in February 2010. Design for the Carnegie Mansion renovation is scheduled for completion in September 2010, with a construction contract expected to be awarded in April 2011 and construction to begin in July 2011. Total project costs include \$21 million in Federal funds and \$32.5 million in private funding. Federal funds included pre-fiscal year 2009 awards of \$2.9 million for design and collections storage, \$1.7 million in fiscal year 2009 for the Fox-Miller work, and the balance for Mansion construction in fiscal years 2011–2013. Of the required private funds, over \$28.5 million (nearly 90 percent) has been identified in gifts and pledges.

Smithsonian Environmental Research Center, Mathias Replacement Laboratory Project

\$44.5 million total estimated project cost

The Smithsonian Environmental Research Center is eliminating trailers that house 25 percent of lab space and 65 percent of office space; renovating and reconfiguring the Mathias Lab; and creating replacement labs that meet national standards. The 85,000-square-foot project employs sustainable technologies and building materials that will yield substantial reductions in energy and maintenance costs. Schematic design was completed in September 2009, with final design completion scheduled for September 2010. Construction is scheduled to commence in early 2011 and to be completed in 2013.

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



\$42.6 million total estimated project cost

The renovated Pod 3 in Suitland, Maryland, substantially completed in February 2010, will provide consolidated storage space for frozen, refrigerated, gas-preserved, and dry collections, allowing the Smithsonian to vacate leased properties and freeing up congested space in several museums. Over \$15 million of shelving/racking, cases, and freezers are now being installed. Transfers of collections from four museums began in June 2010, and will take two years and cost almost \$5 million to complete.

Permanent Physical Security Barriers

\$55 million total project cost

Construction of security barriers at the National Air and Space Museum is complete. The first phase of barrier construction at the National Museum of Natural History also has been finished, and a contract for the final phase was recently awarded. Barriers are in place on more than 80 percent of the National Museum of American History's perimeter, and all construction should be completed by late summer 2010. Construction of security barriers for the Castle and Quadrangle is slated to start in fiscal year 2014. Design and construction of 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, signed on February 17, 2009, provided \$25 million for repair and revitalization projects not covered by fiscal year 2009 funding, most involving safety/code compliance or sustainability and energy efficiency. By the end of July 2010, all 23 project contract actions, totaling \$24.6 million, were under contract, with the residual \$0.4 million held for contingencies and management. All construction should be finished by the end of 2010. In compliance with the Act, the Smithsonian is reporting on jobs created and expenditure of funds.

Sustainability

Around the Smithsonian, work continues on multiple projects to achieve Leadership in Energy and Environmental Design (LEED) certifications in areas including geothermal heating and cooling, cool building analysis, use of “green roofs” and photo-voltaic cells, solar panel water heating, and water reclamation.

The Smithsonian completed a Strategic Sustainability Performance Plan in June 2010, which included Institution-wide goals for greenhouse gas emission reductions, sustainable acquisition, and electronics stewardship.

In mid-August 2010, the Smithsonian Sustainable Buildings Implementation Plan was updated to describe specific goals for energy efficiency, water conservation, indoor environmental quality, and reduction of the environmental impact of the building inventory. Additionally, an executive committee on sustainability was formed. One of the first discussion topics was how to incorporate Smithsonian science, education, and exhibition resources into sustainability activities in areas such as land management, water conservation, sustainability education, and long-term stewardship of the environment.

Information Technology

The third quarter of fiscal year 2010 saw several notable developments at the **Office of the Chief Information Officer (OCIO)**:

- On June 4, 2010, Secretary Clough announced the release of “Creating a Digital Smithsonian,” a five-year digitization strategic plan aimed at broadening access to Smithsonian collections, research, exhibitions, and outreach programs to make them available to anyone, anywhere, at any time.
- The Smithsonian Commons Prototype, a way to share Smithsonian digital assets with the world in a participatory manner, was made available for public comment on June 18, 2010, at <http://www.si.edu/commons/prototype>. Among those who left comments were President of the New Media Consortium Larry Johnson, who noted that “the Smithsonian Commons . . . puts the nation’s museum in the palm of your hand.”
- A major upgrade to the Smithsonian On-Line Academic Appointments (SOLAA) system was released, which allows searches by major, school, and academic level, and the combination of uploaded documents with SOLAA applications into a single PDF document.

- The Collections Search Center Web site has been enhanced with a mobile interface optimized for iPhone and Android devices. The new mobile-friendly Web site allows those with a desire to research the Institution's holdings to do so on the go.

The Smithsonian's first official mobile app, MEanderthal, was spun off from a kiosk in the David H. Koch Hall of Human Origins at the **National**

Museum of Natural History where visitors have their pictures taken and watch the images morph into early humans, such as Neanderthals. Released as an app for iPhone and Android, MEanderthal quickly climbed the charts and drew media attention.

The **Hirshhorn Museum** launched two significant initiatives in conjunction with its exhibition *Yves Klein: With the Void, Full Powers* that deployed state-of-the-art technologies to connect with audiences:

- In May 2010, the Museum released its first mobile app, featuring quotes from Yves Klein, photos, audio, and video to accompany the exhibition.
- The Museum focused all its social media channels on the artist Yves Klein for the 20 days leading up to the opening of the exhibition. Quotes by Klein were posted daily on Twitter and Facebook, with links to accompanying images, video, and audio on Flickr and YouTube.

