









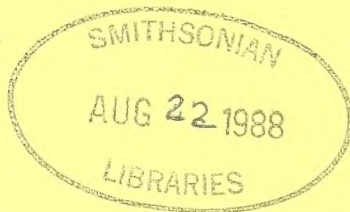


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# Smithsonian Year 1987 Supplement

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Chronology and Appendixes









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Chronology and Appendixes







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Note. The arrangement of bureau listings within the individual appendixes is not alphabetical but rather follows the organization of the Smithsonian Institution as shown on the next page.

The pages of this *Supplement* were photomechanically reproduced from typescript provided by the bureaus and offices.



# Smithsonian Institution

Establishment, Board of Regents, Executive Committee,  
and the Secretary

- Office of the Secretary
- Office of the Under Secretary
- Office of Audits and Investigations
- Office of the General Counsel

## Research

- Joseph Henry Papers
- National Zoological Park
- Office of American Studies
- Office of Fellowships and Grants
- Smithsonian Astrophysical Observatory
- Smithsonian Environmental Research Center
- Smithsonian Institution Archives
- Smithsonian Institution Libraries
- Smithsonian Tropical Research Institute

## Museums

- Anacostia Museum
- Archives of American Art
- Arthur M. Sackler Gallery and Freer Gallery of Art
- Conservation Analytical Laboratory
- Cooper-Hewitt Museum
- Hirshhorn Museum and Sculpture Garden
- National Air and Space Museum
- National Museum of African Art
- National Museum of American Art
- National Museum of American History
- National Museum of Natural History/  
National Museum of Man
- National Portrait Gallery
- Office of Exhibits Central
- Office of Horticulture
- Office of Museum Programs

Office of the Registrar

Smithsonian Institution Traveling Exhibition Service

## Public Service

- National Demonstration Laboratory for Interactive  
Educational Technologies
- National Science Resources Center
- Office of the Committee for a Wider Audience
- Office of Elementary and Secondary Education
- Office of Folklife Programs
- Office of Interdisciplinary Studies
- Office of Public Affairs
- Office of Telecommunications
- Smithsonian Institution Press
- Smithsonian* Magazine
- Smithsonian World
- Visitor Information and Associates' Reception  
Center

## Administration

- Administrative and Support Activities
- Financial Management Activities
- Smithsonian Institution Women's Council
- Smithsonian Internship Council
- Directorate of International Activities
- Membership and Development
  - Office of Membership and Development
  - James Smithson Society
  - National Board of the Smithsonian Associates
  - Smithsonian National Associate Program
  - Smithsonian Resident Associate Program
  - Women's Committee of the Smithsonian Associates
- Under Separate Boards of Trustees
  - John F. Kennedy Center for the Performing Arts
  - National Gallery of Art
  - Reading Is Fundamental, Inc.
  - Woodrow Wilson International Center for Scholars



# Smithsonian Year 1987

## Chronology

The following is a representative selection of Smithsonian events and milestones during the fiscal year 1986-1987.

October

Exhibition: "Russia, The Land, The People: Russian Painting, 1850-1910," an exhibition of artworks from the collections of the State Tretyakov Gallery, Moscow, and the State Russian Museum, Leningrad, opened at the Renwick Gallery. Organized by the Smithsonian Institution Traveling Exhibition Service, this exhibition marked the first exchange stemming from the November 1985 cultural agreement between the United States and the Soviet Union.

October

Conservation: The Smithsonian Tropical Research Institute was named as a member of the newly installed board of Panama City's Metropolitan Nature Park.

October

Office Move: The Smithsonian Institution Traveling Exhibition Service moved its offices from the Arts and Industries Building to the S. Dillon Ripley Center, located on the third level of the new museum complex. New facilities include the International Gallery and a spacious room for workshops.

October

Outreach: Dr. Joalyn Archambault joined the National Museum of Natural History's Department of Anthropology as director of the museum's new Native American Program, part of an interbureau activity developed with the National Museum of American History.

October

Publication: "A Space Odyssey," a wall calendar published by Universe Books, New York, featured astronomical images produced by Harvard-Smithsonian Center for Astrophysics scientists using the HEAO-2 (Einstein) X-ray Satellite.

October 5

Milestone: The Dibner Library, Special Collections Branch of the Smithsonian Institution Libraries, celebrated its tenth anniversary with "Nota Bene," an exhibition featuring twenty-nine rare annotated books on the history of science and technology. The opening was attended by the benefactor, Dr. Bern Dibner, and his wife, Barbara Druss Dibner.

October 6-10

Course: As part of its conservation training program, the Conservation Analytical Laboratory offered "Metallography of Ancient Metals," a specialist course taught by Dr. David Scott of the Institute of Archaeology, University of London.

October 10

Exhibits: Two aircraft representing the pioneer days of aviation were placed on display in the National Air and Space Museum's Early Flight Gallery--the 1911 *Ecker Flying Boat*, a three-in-one aircraft equipped to take off from land or water, and the 1911 *Caproni CA 9*, Italy's first passenger-carrying aircraft and its first mass-produced military aircraft.

October 10-21

Workshop: Representatives of ten nations participated in the first international workshop on the Management of the Green Iguana, held at the Smithsonian Tropical Research Institute in Panama. The workshop was organized by the Foundation Pro-Green Iguana, in conjunction with the University of Heredia (Costa Rica) and the United States World Wildlife Fund.

October 15

Special Event: As part of an ongoing effort to strengthen ties between museums and schools across the United States, the Office of Elementary and Secondary Education offered the first of three regional workshops. In all, more than fourteen hundred teachers attended the workshops in Jackson, Michigan; Waterloo, Iowa; and Philadelphia, Pennsylvania.

October 15

Film Series: The first in a series of seven films from the Soviet Union premiered during an event organized by the Resident Associate Program. Guests at the opening night reception were Soviet Ambassador Yuri Dubinin and Elem Klimov, president of the Soviet Filmmakers Union.

October 18-19

Special Event: Nearly three hundred people attended the Sixth National Zoo Symposium for the Public. "Behind the Scenes: Animal Studies at the Zoo" presented a range of research projects conducted by zoo professionals at the park and in the field.

October 18-19

Symposium: Five hundred people attended the Archives of American Art symposium on visual arts in Southern California. The symposium attracted much media attention, and a local station of the Public Broadcasting Service expressed interest in producing a television series based on the symposium's topic and in underwriting a symposium on visual arts in Northern California.



October 22-26

Special Event: Contributing members participated in a weekend program that featured visits to selected exhibitions with museum directors and curators.

November

Publication: The first issue of *Rittenhouse: The Quarterly Journal of the American Scientific Instrument Enterprise* was published by the Department of the History of Science and Technology at the National Museum of American History.

November

Publication: *Portraits of Nature: Paintings by Robert Bateman* by Dr. Stanwyn G. Shetler, assistant director for programs at the National Museum of Natural History, was published by the Smithsonian Institution Press and Viking Penguin Books, New York. The book was produced for the museum's 1987 exhibition of Bateman's works.

November

Milestone: Researchers at the Tropical Biology Library at the Smithsonian Tropical Research Institute gained on-line access to the Smithsonian Institution Libraries catalogue in Washington, D.C.

November

Residencies: The semiannual, ten-day residency session of the Kellogg program for senior-level museum professionals was held at the Smithsonian. Coordinated by the the Office of Museum Programs, the residencies provide opportunities for participants from around the nation to focus on issues relating to museums as educational resources in communities.

November

International Project: The thirty-day Project on Museum Management began with a seminar at the Smithsonian. Designed for foreign museum professionals and organized by the Office of Museum Programs and U.S. Information Agency, programs were held in five cities.

November 1

Concert Series: The 20th-Century Consort gave the first of four concerts in its 1986-87 season at the Hirshhorn Museum and Sculpture Garden.

November 2

Benefit Premiere: The Washington premiere of *The Mission*, sponsored by the Resident Associate Program, was held in the National Museum of Natural History. The event, which included a reception at the Organization of American States Building, benefited the Resident Associate Program's various outreach activities.

November 3

Obituary: Smithsonian physical anthropologist J. Lawrence Angel, 71, died in Washington, D.C. During his career, Angel studied skeletal remains at key archaeological sites in Cyprus, Turkey, and the United States. He also assisted federal and local law enforcement agencies in identifying the skeletal remains of more than five hundred people, many of them murder victims.

November 3-5

Workshop: The Office of Public Affairs organized and conducted a workshop for the Office of Museum Programs on "Getting the Word Out: Museum Public Relations." The workshop was attended by thirty public information specialists from as many museums in twenty-one states, Washington, D.C., and the Virgin Islands.

November 5

Special Event: Sponsoring, Sustaining, Patron, and James Smithsonian Society Members of the Contributing Membership previewed "Berlin 1900-1933: Architecture and Design," an exhibition at the Cooper-Hewitt Museum.

November 5

Obituary: Cynthia Jaffee McCabe, 43, curator for exhibitions at the Hirshhorn Museum and Sculpture Garden suffered an apparent heart attack and died in Rio de Janeiro, where she was doing research on a proposed exhibition on contemporary Latin American art.

November 6

Special Event: Andrew, Nathaniel, Henriette, and Ann Wyeth attended the press screening of "The Wyeths: A Father And His Family," the season premiere of "Smithsonian World," at the New York headquarters of Metropolitan Life. The program was aired over the Public Broadcasting Service on November 19.

November 10-11

Exhibition: "Berlin 1900-1933: Architecture and Design" opened at the Cooper-Hewitt Museum. Organized by the museum, the exhibition was recreated in Berlin in Spring 1987 as part of the city's 750th anniversary celebration. A symposium organized by the Museum and Internationales Design Zentrum in Berlin featured prominent American and German experts in design. In addition, the Cooper-Hewitt's first bilingual publication, an exhibition catalogue of the same title, was subsequently produced.

November 13

Agreement: Smithsonian Secretary Adams and Nizar Hamdoon, the Ambassador of Iraq, signed a memorandum of understanding between the Institution and the Scientific Research Council of Iraq. The understanding provides the mechanism necessary to carry out exchanges in areas of mutual scientific interest.



November 16-17

Reception: Contributing Members residing in the Fort Worth, Texas, area were invited to a special reception following the National Associates Lecture and Seminar Program presentation, "The Golden Age of Song: American Jazz Favorites," by John Eaton. This and other similar receptions were initiated to more closely involve Contributing Members around the country with the Smithsonian.

November 17

Exhibition: "Recent Acquisitions, 1983-1986," at the Hirshhorn Museum and Sculpture Garden, displayed major works by Jean Dubuffet, Anselm Kiefer, Claes Oldenburg, Frank Stella, and others.

November 17-20

Course: E. Benner Larsen, director of the Research Center at Legre, Denmark taught "Making High Quality Electroform Replicas of Museum Objects," a conservation training course organized by the Conservation Analytical Laboratory.

November 19

Acquisition: The National Portrait Gallery acquired a daguerreotype of Jefferson Davis by an unidentified photographer. It is the earliest photographic likeness of Davis, taken on his arrival in Washington as a congressman.

November 20

Premiere: "State of the Universe" opened in the National Air and Space Museum's Einstein Planetarium. The show takes viewers on a whirlwind tour of space, exploring current ideas about the past, present, and possible future of the universe. An exhibition of the same name went on display in the planetarium lobby.

November 21

Exhibition: "Engines of Change: The American Industrial Revolution, 1790-1860" opened at the National Museum of American History. This permanent exhibition introduces some of the people, machines, new sources of power, and new ways of organizing work that were part of the nation's transformation from an agricultural economy into an industrial power.

November 21

Exhibition: "Near Eastern Art" opened at the Freer Gallery of Art. Paintings and a wide variety of objects dating from the fifth century B.C. through the eighteenth century reflected the quality and diversity of the Freer's collection of Near Eastern art.

November 21

New Chancellor: Chief Justice William H. Rehnquist was elected as the Smithsonian's sixteenth chancellor, succeeding retired Chief Justice Warren E. Burger.

December 1

New Position: Dr. Ned Rifkin, previously with the Corcoran Gallery of Art, was named to the newly created position of chief curator for exhibitions at the Hirshhorn Museum and Sculpture Garden.

December 5

Move: The National Museum of African Art began its move from its Capitol Hill location (318 A Street, N.E., Washington, D.C. 20002) to its quarters in the Smithsonian's new museum and education complex on the National Mall.

December 5-7

Milestone: The National Associates Travel Program celebrated its fifteenth annual Christmas at the Smithsonian Weekend for Smithsonian Associates. A festive dinner and tree-trimming party in the Castle highlighted the weekend program.

December 8

Special Event: The National Science Resources Center (NSRC), established in 1985 by the Smithsonian Institution and the National Academy of Sciences, moved from its temporary quarters at the National Academy of Sciences to permanent facilities in the northeast wing of the Smithsonian's Arts and Industries Building.

December 12

Special Event: The Smithsonian Women's Committee held its fifteenth annual Christmas dinner dance in the National Museum of American History. The fund-raising event had a colonial American theme, and Chief Justice Warren Burger and Mrs. Burger were guests of honor.

December 17

Name Change: The Office of Symposia and Seminars was redesignated the Office of Interdisciplinary Studies, more accurately reflecting the office's basic purpose of bringing together specialists in the sciences and humanities to address questions demanding insight from a variety of sources.

December 18

Acquisition: The National Museum of American Art acquired Eastman Johnson's painting *The Girl I Left Behind Me* (ca. 1870-75). Purchase of this major work was made possible by funds realized from the museum's recent deaccessioning program and by a special Smithsonian grant.

December 19

Exhibition: The tenth annual "Trees of Christmas" exhibition opened at the National Museum of American History.



November 22

Closing: The Smithsonian Environmental Research Center's fifty-seven year-old laboratory in Rockville, Maryland, ceased operations. Originally part of the Smithsonian Astrophysical Laboratory, the Rockville facility was created by Smithsonian Secretary Charles G. Abbot to study the influence of sunlight on the growth and development of organisms. The laboratory is credited with many important contributions to the understanding of biological responses regulated by sunlight.

November 23

Special Events: The first of five "Sunday Afternoons at the National Zoo" was held. Designed to encourage people to visit the Zoo in the winter, programs were offered once a month from November to March.

November 25

Property Sale: The Institution sold the buildings and property that had been the home of the National Museum of African Art. The Capitol Hill site was purchased for \$2.25 million by National Association for Home Care. The funds were used to offset the cost of constructing the museum's new home on the National Mall.

November 26

Acquisition: The National Portrait Gallery acquired a rare daguerreotype of Franklin Pierce. The daguerreotype is attributed to Albert Sands Southworth and Josiah Johnson Hawes, considered to be the masters of this medium.

December

Discovery: Radar observations of twelve near-Earth asteroids led a Harvard-Smithsonian Center for Astrophysics astronomer and colleagues at other institutions to suggest that members of this special class of minor planets have extremely irregular, nonconvex shapes. The observations were made with the radio telescope at Arecibo, Puerto Rico.

December

Awards: Films and video productions by the Office of Telecommunications won six Golden Eagle awards from the Council on International Non-theatrical Events. The winning productions will represent the United States in competitions abroad.

December

Workshop: An Office of Museum Programs workshop on "Collections Management and Care" was conducted in Trinidad by a team of three Smithsonian registrars and conservators.

December

Special Course: Eight students from Howard University attended a two-week course in tropical biology conducted at the Smithsonian Tropical Research Institute in Panama.

December 23

Acquisition: An important collection of 113 works of the 1930s and 1940s by American abstract artists was donated to the National Museum of American Art by Patricia and Phillip Frost of Miami Beach.

December 30

Acquisition: The National Museum of American Art acquired 378 folk art objects of the eighteenth, nineteenth, and twentieth centuries, a purchase and a major gift from Herbert Waide Hemphill, Jr., whose holdings are acknowledged to be among the finest in private hands in the United States today.

December 30

Acquisition: The National Portrait Gallery acquired a painting of Rubens Peale by Rembrandt Peale.

December 30

Temporary Closing: The Anacostia Neighborhood Museum closed at its site at 2405 Martin Luther King, Jr., Ave., Southeast, Washington, D.C. The converted movie theater had been the museum's home since its opening in 1967. The museum remained closed until May, when it reopened at its new site in Southeast Washington's historic Fort Stanton Park and was redesignated the Anacostia Museum, reflecting the national and international recognition accorded the museum's program on Afro-American history, art, and culture.

January

Conservation Program: From January through May 1987, an environmental education program was carried out in the San Blas Islands by the Smithsonian Tropical Research Institute Office of Education and Conservation. The program acquainted inhabitants of the archipelago with the institute's work and described how the results of research can be applied to daily activities and to conservation.

January

New Program: The Program in Hispanic American History was begun in the Department of Public Programs at the National Museum of American History. The program addresses critical themes of Hispanic American history, from colonial times to the contemporary struggles of Hispanics to find a place in American society.

January

Discovery: Two Harvard-Smithsonian Center for Astrophysics astronomers reported convincing evidence that one class of young variable stars may be brightening due to material from surrounding disks falling onto their surfaces. The finding suggests that such disks, which are precursors of planetary systems, may be very common features of all young stars.



## January

Reorganization: The Office of Safety Programs was reorganized and renamed the Office of Environmental Management and Safety. This reorganization recognized the dramatic increase in regulatory and safety concerns, the obligations associated with environmental management and safety, and the continuing importance of this work inside and outside the Institution.

## January

Film: *From Reliable Sources*, a half-hour film produced to support the fund-raising efforts of the Archives of American Art, was completed. Produced by the Office of Telecommunications, the film depicts the role of the Archives in documenting the history of American art.

## January

Exhibition Video: "Field to Factory--1915 to 1940: The Urban North," a videotape created for the exhibition opening in February at the National Museum of American History, was completed by the Office of Telecommunications.

## January 1

Exhibition: "*TIME*: Man of the Year" opened at the National Portrait Gallery.

## January 9

Media Event: The Office of Public Affairs held a luncheon for media representatives to introduce the Smithsonian's Cultural Education Committee, recently formed to help the Institution reach underrepresented audiences.

## January 11-16

Seminars: The National Associates Lecture and Seminar Program held five seminars in Washington, D.C.: "Masters of Central Italian Art," "The Art of Scientific Illustration," "American Antique Furniture," "Presidential Washington," and "Post-World War II Aviation."

## January 14

Special Event: James Smithsonian Society Members were invited to a lecture by Smithsonian Secretary Adams. The lecture, "Stability versus Resilience: Urbanites, Peasants, and Nomads in Mesopotamian History," was followed by a reception at the Woodrow Wilson International Center for Scholars.

## January 16

Exhibition: "Charles Lang Freer: The Man and His Gallery" opened at the Freer Gallery of Art. This small exhibition on the ground floor of the museum traced the development of the museum through photographs from the Freer Archives.

January 17

Exhibition: "Portraits of Nature: Paintings by Robert Bateman" opened at the National Museum of Natural History. This major retrospective featured more than 100 paintings by the Canadian artist, regarded as one of the world's foremost wildlife artists. The exhibition drew more than 275,000 visitors during its four-month run and was a major factor in the museum's record-breaking attendance in early 1987.

January 19

Special Event: To commemorate the birthday of Martin Luther King, Jr., the Office of the Committee for a Wider Audience and the Office of the Assistant Secretary for Public Service hosted a reception to introduce the newly formed Cultural Education Committee.

January 24

Exhibition: "Like and Unlike: Caricature Portraits by Henry Major and Herman Perlman" opened at the National Portrait Gallery.

January 30

Exhibition: "Modern American Realism: The Sara Roby Foundation Collection" opened at the National Museum of American Art. This major exhibition included 95 of the 174 paintings, sculptures, and drawings, from the 1920s to the present, given to the museum in 1984 by the late Sara Roby.

February

Black History Month: Former New York Congresswoman Shirley Chisholm discussed "Afro-Americans and the Constitution" as the keynote speaker for an Institutionwide celebration that included films, concerts, lectures, and tours. Among the many special programs were a two-day conference on African-American lifestyles during the first years of the republic; a lecture by Gail Lumet Buckley, daughter of Lena Horne; and performances of jazz, blues, tap, and social dance. "Field to Factory: Afro-American Migration, 1915-1940," a major exhibition that examines the mass movement of black Americans from the rural South to the urban North, opened February 5 at the National Museum of American History.

February

Training and Support: Members of the Conservation Analytical Laboratory provided on-site assistance and training to workers at the important archaeological excavation under way at Harappa, Pakistan.

February

Conservation: The Smithsonian Tropical Research Institute was named to the local committee to organize the 1992 World National Parks Congress, which will be held in Panama.



## February

Appointment: Dr. Philip Ravenhill was appointed to the newly created position of chief curator at the National Museum of African Art.

## February

Awards: The Society for Technical Communications, Washington, D.C., Chapter, cited Smithsonian publications and articles for excellence. Four first place awards in various categories went to the Department of Botany brochure and *The Torch* (both awarded to the Office of Public Affairs and the Smithsonian Institution Press) and two Smithsonian News Service feature stories. The Department of Botany brochure subsequently won an honorable mention award in the organization's international competition.

## February 1

New Location: Smithsonian Institution Libraries opened its new National Museum of African Art Branch in the Quadrangle. It was later named the Warren M. Robbins Library, honoring the founder of the museum.

## February 8

Television: National Zoological Park Director Michael Robinson showcased several zoo animals on "Capital Edition," a local, Sunday morning television program.

## February 9

Acquisition: With support from the Smithsonian Institution Regents Special Acquisitions Fund, the Cooper-Hewitt Museum added a remarkable piece to other extremely rare Oriental textile works in its permanent collection--a thirteenth-century needlework figure of a bodhisattva, believed to have originated in China.

## February 11

New Publication: The Office of Elementary and Secondary Education's Career Awareness Program published the first issue of its student newsletter, *The CAP-LET*. Developed and written by the staff and student volunteers, the newsletter reaches more than seven hundred program alumni, current participants, teachers, and school administrators.

## February 12

Exhibition: "The Making of a Dinosaur" opened at the National Museum of Natural History. Over a span of two years, visitors will be able to monitor the progress of fossil-preparation experts as they carefully extract the bones of a dinosaur (*Coelophysis*) from a ten-ton block of siltstone and reassemble the fossilized remains of the 220-million-year-old dinosaur for display.

February 17

Grant: The Women's Committee of the Smithsonian Associates awarded a \$20,000 grant to the Visitor Information and Associates' Reception Center to support future production of "The Smithsonian Institution: Airplanes to Zoos," a video to prepare children and families for their visit to the Smithsonian.

February 17

Exhibition: "The Catalan Spirit: Gaudi and His Contemporaries" opened at the Cooper-Hewitt Museum. A reception celebrating the opening of the exhibition was held February 23 and attended by opera star Placido Domingo and other internationally known figures.

February 18

Lecture Series: The National Air and Space Museum offered the first lecture in its five-part series, "Exploring Space." The series featured well-known space scientists who examined current understanding of the origins, evolution, and structure of the universe.

February 19

Expansion: With the opening of "Nancy Graves: A Sculpture Retrospective" and the relocation of its Museum Shop, the Hirshhorn Museum and Sculpture Garden inaugurated its newly expanded Special Exhibition Galleries on the lower level and introduced its orientation theater. Visitors to the theater will view audio-visual programs on special exhibitions and a program, made possible by a grant from the J. Paul Getty Trust, on the permanent collection.

February 19-20

Conference: "A Common Agenda for History Museums" was held at the National Museum of American History. Sponsored by the Smithsonian Institution, the American Association of Museums, and the American Association for State and Local History, the conference identified many shared concerns and problems of historical organizations and history museums and developed recommendations for organizations with historical collections.

February 22

Performance: Internationally acclaimed cabaret singer Michael Feinstein made his Smithsonian debut in a performance organized by the Resident Associate Program.

February 24

New Facility: The National Demonstration Laboratory for Interactive Educational Technologies was established. The first U.S. facility to focus entirely on research and demonstration of state-of-the-art interactive video technology, the laboratory is a joint project of the Smithsonian and a consortium of public television stations.



February 25

Lecture: Ohio Senator and former astronaut John Glenn commemorated the twenty-fifth anniversary of his flight in *Friendship 7* in a program cosponsored by the Resident Associate Program and the National Air and Space Museum.

February 26

Special Event: Sponsoring, Sustaining, Patron, and James Smithsonian Society Members of the Contributing Membership participated in a special tour of "Portraits of Nature: Paintings by Robert Bateman," an exhibition at the National Museum of Natural History.

February 27

Exhibition: "Gene Davis, A Memorial Exhibition" opened at the National Museum of American Art. The eighty-four paintings and drawings by Davis, a major figure in twentieth-century American art, included the finest examples of his familiar stripe paintings, as well as a selection of his best work in lesser-known formats. Subsequent programs included workshops for children and a panel discussion with five prominent figures in the art world reviewing color painting and its continued importance.

March

Grant: The National Museum of American History received approximately \$1 million from the DuPont Company in support of "A Material World," a major exhibition, on the use man-made materials in our culture, to open in spring 1988.

March

Training: The Conservation Analytical Laboratory announced several new initiatives in its rapidly growing conservation training program. These include a graduate program in conservation science, a joint enterprise with Johns Hopkins University, and a number of Institutionwide postgraduate internships for conservators.

March

Publication: The Office of Printing and Photographic Services produced a book as a companion to its exhibition of photographs of the Vietnam Veterans Memorial, which opened at the Russell Senate Office Building in November 1986. Published by Stackpole Books of Harrisburg, Pa., *Reflections on The Wall* was well-received and, by the close of the 1987 fiscal year, was in its second printing.

March

Publication: The first general brochure for visitors to the Barro Colorado Nature Monument, which is under the custodianship of the Smithsonian Tropical Research Institute, was produced by the Office of Public Affairs. English and Spanish editions of the brochure were printed.

## March

Publication: A guide to the new Nature Trail on Barro Colorado Island was completed. "A Day on Barro Colorado Island" was written by Dr. Marina Wong, ornithologist, and Jorge Ventocilla, of the Smithsonian Tropical Research Institute's Office of Education and Conservation. A Spanish version will be published in 1988.

### March 5

Acquisition: A reception following a lecture on the Dibner Library honored Silvio A. Bedini, who retired after twenty-six years of service to the Institution. To mark Mr. Bedini's contributions, Smithsonian Institution Libraries purchased for its Special Collections Branch a finely illustrated volume of *Misura del tempo* (Padua: 1665) by Giuseppe, de Capriglia. *Misura del Tempo* is believed to be the first book on clocks, one of Mr. Bedini's many fields of scholarship.

### March 6

Installation: For the first time since its opening in January 1972, the Renwick Gallery installed prime objects from its permanent collection--forty-four works chosen to represent all contemporary craft media. During the year, the gallery presented lectures by artists whose works are included in its collection.

### March 9

Acquisition: The Office of Horticulture was given the Garden Club of America's comprehensive slide collection of notable parks and gardens.

### March 12-15

Special Event: National Associates attended lectures and private tours in conjunction with the Matisse exhibit at the National Gallery of Art.

### March 15

Groundbreaking: Construction began on a new dining facility at the National Air and Space Museum. Scheduled to be completed in fall 1988, the new facility will include an 800-seat, self-service cafeteria and a self-service restaurant seating 180 persons.

### March 16

Milestone: At a meeting of the entire staff of the National Museum of Natural History, Director Robert S. Hoffmann summarized the results of a six-month study of the museum's organizational effectiveness and highlighted four areas where changes were recommended. The study was conducted by McKinsey and Company, Inc.

### March 24

Exhibition: "Louis Sullivan: The Function of Ornament," an exhibition devoted to the work of one of America's most influential architects and organized by the Chicago Historical Society and the St. Louis Art Museum, opened at the Cooper-Hewitt Museum. Presentation in New York was made possible by a generous grant from the J. M. Kaplan Fund, Inc.



March 24

Special Event: Sustaining, Patron, and James Smithsonian Society Members of the Contributing Membership were given a special tour of "Modern American Realism: The Sara Roby Foundation," an exhibition at the National Museum of American Art.

March 25

Award: On behalf of the American Heart Association, Congressman Frank R. Wolf of Virginia presented awards to Office of Protection Services security officers Ida Chase, Willie Jones, and Kenneth Doll for administering cardio-pulmonary resuscitation under life-threatening circumstances.

March 27

Special Event: A special screening of "Voices of Latin America," a "Smithsonian World" cultural documentary, was held at Carmichael Auditorium for members of Washington's Hispanic community. The program was aired nationally over the Public Broadcasting Service on April 8.

March 30

Outreach: As part of a major effort to reach the Hispanic community, the Office of Public Affairs hired a full-time public affairs specialist, fluent in Spanish and English, to develop and carry out an appropriate media program.

April

Acquisition: The Smithsonian acquired Folkways Records, the best known publisher of commercial recordings of folk and tribal music and publisher of a historically significant collection of spoken-word recordings. The Folkways Records catalogue contains more than twenty-two hundred albums. Folkways Records was acquired from the estate of founder Moses Asch.

April

Discovery: A Harvard-Smithsonian Center for Astrophysics scientist and colleagues, working with images of Jupiter's moons returned by the Voyager spacecraft, found evidence that material from the interior of Europa may be venting through its ice-covered surface.

April

Reorganization: Responsibility for Smithsonian communications was transferred from the Office of Plant Services to the Office of Information Resource Management. Consolidation of all communications-management activities into one organization marked an important step toward full integration of the Institution's voice-, data-, and image-communications technologies.

April

Planning: On the basis of a study by the Office of Programming and Budget, several major new procedures were incorporated into the annual budget formulation process to aid budget decision-making. The procedures facilitate communication of budget information throughout the Institution and further automate entry and analysis of budget data.

April

Restoration: The second phase of the Olmsted Walk restoration was completed at the National Zoological Park. Striking red-toned, man-made stones now pave the walkway. New stone walls, niches for benches, curbs, and plantings extend from the pedestrian gate on Connecticut Avenue to the entrance area of the Education Building.

April

Grants: The Office of Fellowships and Grants announced the Webb Fellowship recipients.

April

Exhibition: In conjunction with National Science and Technology Week, the Smithsonian Institution Traveling Exhibition Service inaugurated "Diversity Endangered," a poster exhibition that addresses the loss of biological diversity on the planet. A grant from the National Science Foundation supported the development of the twenty full-color posters that make up the exhibition. A videotape to accompany the exhibition was produced by the Office of Telecommunications.

April

Research: For the International Research and Exchanges Board, the Office of Museum Programs organized a delegation of four museum specialists, including two Native Americans, to view and document for the first time American Indian collections in East Germany.

April

Collaboration: The Smithsonian Tropical Research Institute inaugurated a collaboration with the University of Panama's Museum of Invertebrates. The institute donated and identified specimens and provided support for student research projects.

April

Lectures: "Bubbles, Voids, and Bumps in Time," a series of public lectures on current theories about the origin, evolution, and ultimate fate of the universe, was presented in Boston and Washington, D.C., by the Harvard-Smithsonian Center for Astrophysics. In Boston, the series was organized with the Boston Museum of Science; in Washington, the Resident Associate Program was the cosponsor.

April 1

Anniversary: *Air & Space/Smithsonian*, the bi-monthly magazine of the National Air and Space Museum, celebrated its first anniversary.



April 1

Visit: Bernadette Chirac, wife of the premier of France, along with her guests, became the first official visitor to the Arthur M. Sackler Gallery. They were accompanied through the new museum, which was still under construction, by Dr. and Mrs. Arthur M. Sackler and Milo Beach, assistant director.

April 1-5

International Program: The National Associates Lecture and Seminar Program visited Toronto, Canada, for the first time. The program offered a series of events to celebrate the seventy-fifth anniversary of the Royal Ontario Museum.

April 2

Exhibition: "The Art of Henry Inman" opened at the National Portrait Gallery.

April 3

Groundbreaking: At the Smithsonian Tropical Research Institute, construction of the Earl S. Tupper Research and Conference Center began. Groundbreaking ceremonies were attended by Panama President Eric A. Delvalle, other government officials, and representatives of educational and scientific organizations, including Glenn Tupper and Gladys Liddy of the Earl S. Tupper Foundation, which made the facility possible through its donation to the institute.

April 8

Benefit: A dinner dance, organized by the Decorative Arts Association of the Cooper-Hewitt Museum, was held in honor of Mrs. Virgil Sherrill and her firm, McMillen, Inc., one of the oldest interior design firms in New York, for their contributions to the development of design in this century. Funds raised by the event will support the acquisition of important decorative art objects for the museum's permanent collection.

April 8

Reception: Contributing Members in Topeka, Kansas, were invited to a special reception following the National Associates Lecture and Seminar Program performance "The Old Ship of Zion: Afro-American Gospel Music, 1755-1986," by Horace Clarence Boyer.

April 10

Publications: The first issue of *Smithsonian Studies in American Art*, a new semiannual journal examining a wide spectrum of the nation's visual heritage, was published by Oxford University Press in association with the National Museum of American Art. This year also saw the inauguration of the *Library of American Art* series--published by Harry N. Abrams, Inc. in association with the National Museum of American Art.

April 15

Grants: The Office of Fellowships and Grants named the recipients of fellowships for 1987-88.

April 15

Course: The Resident Associate Program presented the first session of "The Best of *The New Yorker*," a course that was arranged in collaboration with *The New Yorker* magazine and featured Brendan Gill, John Updike, Ann Beattie, Pauline Kael, Calvin Trillin, John McPhee, Mark Singer, Lee Lorenz, George Booth, Ed Koren, Charles Saxon, and Robert Weber.

April 16

Acquisition: The National Portrait Gallery acquired J. S. Duplessis's 1785 painting of Benjamin Franklin.

April 16

Special Event: Sustaining, Patron and James Smithsonian Society Members previewed the exhibition "American Art Deco" at the Renwick Gallery.

April 17

Agreement: During his visit to the Soviet Union, Smithsonian Secretary Adams signed a protocol of negotiation with the country's Ministry of Culture. The agreement, covering a period from 1988 through 1992, is the first step in a program of cooperation that will include joint research projects and exchanges of art exhibitions and delegations of museum experts and curators.

April 17

Exhibition: "American Art Deco," a comprehensive exhibition of more than two hundred objects in all media, opened at the Renwick Gallery. Accompanied by a book of the same title, the exhibition demonstrated how the Art Deco movement's modernist style revolutionized the fine and decorative arts. Art Deco experts participated in a complementary all-day symposium. After its showing at the Renwick, the exhibition was circulated to museums in Miami, Omaha, Tulsa, and St. Paul.

April 21

Research Milestone: National Zoological Park scientists used artificial insemination techniques to produce common (European) ferrets. The procedure holds promise as an option for breeding programs to reverse the decline of the endangered black-footed ferret.

April 24-26

Special Event: The Smithsonian Women's Committee sponsored the fifth annual Washington Craft Show. One hundred craftspeople exhibited and sold their work in the juried show. Proceeds from the show and the preview reception are used to fund educational and research projects throughout the Institution.

April 26

Film Festival: The Office of the Committee for a Wider Audience and the Resident Associate Program, in collaboration with the Washington, D.C., International Film Festival, hosted a screening of the film *Opera Do Malandro* to celebrate the opening of the Brazilian Showcase of Filmfest D.C. The event attracted nearly five hundred guests from the local Brazilian, Hispanic, and diplomatic communities and helped the Institution establish new ties with these audiences.

April 27-28

Special Event: The National Air and Space Museum's Paul E. Garber Preservation, Restoration, and Storage Facility in Suitland, Maryland, hosted its Fifth Annual Open House, attracting more than fifteen thousand visitors.

April 30

Exhibition: "IRAS: A Telescope in a Bottle" went on display in the National Air and Space Museum's Stars Gallery. The exhibition includes a full-scale reconstruction of the space-based *Infrared Astronomical Satellite* that has given astronomers a new look at the distant universe, resulting in many important findings, which are described in the exhibition.

May

Publication: A brochure on the Anacostia Museum was produced and distributed to coincide with the opening of the museum at its new location. The brochure was funded by a grant from the Women's Committee of the Smithsonian Associates.

May

Discovery: A team of Harvard-Smithsonian Center for Astrophysics scientists, using the optical speckle interferometry technique with a telescope in Chile, observed a bright companion to Supernova 1987A. The apparent brightness of the object and its nearness to the supernova suggested it was linked to the stellar explosion.

May

Field Course: With the University of Panama, the Smithsonian Tropical Research Institute sponsored a field course on bryophytes and lichens. The course was directed by university Professor Noris Salazar and Alan Smith, an institute scientist. It focused on the ecological importance of these plant groups and gave students the opportunity to do independent research.

May

Visit: A delegation from Yerevan, capital of Soviet Armenia, visited the Harvard-Smithsonian Center for Astrophysics as part of the cultural, scientific, and political activities associated with the sister-city agreement between Yerevan and Cambridge, Massachusetts.



May

Public Awareness Campaign: The Office of the Committee for a Wider Audience received a grant from the Smithsonian Society to launch a major public awareness campaign intended to acquaint black Americans with the Smithsonian's programs and services.

May

Symposium: "The Impact of Very Long Baseline Interferometry on Astrophysics and Geophysics," hosted by the Harvard-Smithsonian Center for Astrophysics, attracted some three hundred scientists from two dozen countries for discussions on topics ranging from the observation of "superluminal" motion in quasars to the measurement of continental drift.

May

Workshop: "Interpretive Labeling for Art Museums," a workshop organized by the Smithsonian's Kellogg Project, was held at the Toledo Museum of Art. Teams from ten art museums participated.

May 1

Education Program: "Zoo animals: A Closer Look," the National Zoological Park's science education program for elementary school children, celebrated its tenth anniversary with a reception for all teachers who have participated in the program.

May 1-3

Outreach: Representatives of the Smithsonian Tropical Research Institute participated for the first time in the biannual General Kuna Indian Congress. For more than a decade, the institute has operated an important marine research facility in the Kuna Yala Archipelago. Participation in the congress strengthened the institute's relationship with the Kuna Indians.

May 1-3

Special Event: National Air and Space Associates attended a weekend program with curators and staff at the National Air and Space Museum.

May 4

New Board Members: Professor Frederick Mote of Princeton University and Sherman Lee, director emeritus of the Cleveland Museum of Art, were named to the Visiting Committee of the Freer Gallery of Art.

May 5

New Trustees: Agnes Gund, a well-known collector of contemporary art, and Robert T. Buck, director of the Brooklyn Museum, were elected to the Board of Trustees of the Hirshhorn Museum and Sculpture Garden at the board's semiannual meeting.

May 7

Exhibit: The "Invertebrate Exhibit," the first comprehensive exhibit of living invertebrates in the United States, opened at the National Zoological Park.

May 7

Award: The National Zoological Park awarded a Silver Medal to E. O. Wilson of Harvard University in recognition of outstanding service to zoological science and conservation. The award ceremony included a talk by Wilson on the importance of invertebrates in global ecology.

May 7

Exhibition: Following a highly successful thirteen-month tour to museums in Seattle, Minneapolis, Cleveland, Fort Worth, and Atlanta, "Treasures from the National Museum of American Art," an exhibition of eighty-one works from colonial to contemporary times, returned to its home for its final showing.

May 12

Grant: The Visitor Information and Associates' Reception Center received a grant from the Morris and Gwendolyn Cafritz Foundation to support production of an orientation video for the new Smithsonian Information Center, scheduled to open in 1989.

May 13

Telecast: The Public Broadcasting Service aired "The Elephant On The Hill," the third special of the third season of "Smithsonian World."

May 14

Lecture: In a lecture cosponsored by the Resident Associate Program and the National Air and Space Museum, Dick Rutan and Jeana Yeager relived their around-the-world flight in *Voyager*.

May 15

Research Milestone: "Test tube," or in vitro, fertilization resulted in the births of domestic cats, marking the first time that the fertilization method was successful with a carnivore species. The application of this technique to felines, developed by National Zoological Park scientists, may eventually help save species of small wild cats from extinction.

May 15-19

International Workshop: Thirty-five leading paleoecologists from the United States, Canada, England, and West Germany evaluated current understanding of catastrophic disruptions to land ecosystems during the past 400 million years. The conference--the first devoted to this topic--was organized by the scientists directing the National Museum of Natural History's new Evolution of Terrestrial Ecosystems program.

May 16

Symposium: In conjunction with the Cooper-Hewitt Museum exhibition "Louis Sullivan: The Function of Ornament," four preeminent scholars of American architectural history examined Sullivan's work in light of contemporaneous developments in the urban fabric of Chicago.

May 16

Special Program: The Office of Elementary and Secondary Education presented "Teaching the Constitution," a symposium that attracted 150 elementary and secondary school teachers and administrators from throughout the mid-Atlantic region. A report on the proceedings was distributed free of charge to participants and other interested teachers.

May 17

Reopening: The Anacostia Museum reopened at its new site at 1901 Fort Place, Southeast, Washington, D.C. The inaugural exhibition was "Contemporary Visual Expressions," which featured the artworks of Sam Gilliam, Martha Jackson-Jarvis, Keith Morrison, and William T. Williams.

May 17 and 21

Anniversary: The sixtieth anniversary of Charles Lindbergh's solo transatlantic flight was commemorated at the National Air and Space Museum by "A Festival of American Music," performed by the U.S. Air Force Concert Band, and the annual Charles A. Lindbergh Memorial Lecture, delivered by retired Lt. Gen. Benjamin O. Davis, Jr., the U.S. Air Force's first black general.

May 18-23

Symposium: "Constitutional Roots, Rights, and Responsibilities," the Ninth International Smithsonian Symposium, was the scholarly centerpiece of the national observance of the bicentennial of the United States Constitution. Held in Charlottesville, Virginia, and Washington, D.C., the symposium brought together sixty-eight participants from twelve countries. Essays will be published in a volume to be edited by A.E. Dick Howard, symposium chairman; several video documentaries also will be produced.

May 21

Exhibition: "Morris Louis" opened at the Hirshhorn Museum and Sculpture Garden, concluding a successful three-city national tour that began at the Museum of Modern Art in New York City. The exhibition featured forty-six paintings by the acclaimed Washington colorist.

May 21-22

Dedication and Opening: The 4.2-acre Enid A. Haupt Garden, the pastoral "roof" of the Institution's new underground museum complex, was dedicated and opened to the public.



May 23-24

Workshop: Dr. Anson Hines of the Smithsonian Environmental Research Center conducted a workshop on the ecology of blue crabs and other portunid species.

May 26

Obituary: Dr. Arthur M. Sackler, 73, primary benefactor of the Sackler Gallery died unexpectedly in New York City without realizing his expressed dream of participating in the public opening of the new museum that would bear his name.

May 27

Course: The National Associates Lecture and Seminar Program presented an extensive program of lectures, workshops and seminars in Madison, Wisconsin. The four-day series was presented by Smithsonian curators and members of the University of Wisconsin-Madison faculty.

May 29

Reinstallation: The completion of the National Portrait Gallery's reinstallation of its permanent collection was marked with the opening of "Stage Portraits: Photographs by Mathew Brady from the Frederick Hill Meserve Collection."

May 29

Exhibition: "Portraits from the American Academy and Institute of Arts and Letters" opened at the National Portrait Gallery.

June

Award: The Federal Council on the Arts and Humanities awarded a grant to the National Museum of African Art to support one of the museum's inaugural exhibitions, "African Art in the Cycle of Life," which featured works on loan from other collections.

June

Research: The Mineral Management Service of the U.S. Department of the Interior awarded a contract to the Smithsonian Tropical Research Institute for studies on the long-term biological effects of the April 1986 oil spill on the Caribbean coast of Panama. The five-year project is centered at the institute's Galeta Marine Laboratory.

June

Outreach: The Office of Public Affairs began distributing a Spanish version of the Smithsonian's monthly calendar of events to 113 Hispanic publications and civic organizations. In July, the Spanish language calendar was published as a paid advertisement in the Washington newspaper *El Latino*. Reprints of the calendar ad were made available to the public during the Washington, D.C., Hispanic-American Festival and the Smithsonian's Tarde Hispana.

## June

**Temporary Closing:** In preparation for a major construction project that will eventually link the Freer and Sackler galleries and add space for conservation and collections storage, eight exhibition galleries on the east side of the Freer Gallery of Art were closed to the public. A representative selection from the museum's permanent holdings remained on display in several special exhibitions that opened during the year in other parts of the building: "American Painting," "Japanese Art," and "Chinese Art."

## June

**Workshop:** The Office of Museum Programs conducted a "Facilitators Workshop" for Smithsonian staff members who serve as faculty for the office's workshops.

## June

**Acquisition:** In memory of Mrs. Bern Dibner, the Smithsonian Institution Libraries purchased for its Special Collections Branch a rare volume, Bianchelli, Mengo, *Super Logicam of Pauli Veneti* (Venice: Junta, 1520).

## June 1

**Milestone:** Seward Johnson, Jr., chairman of the board and president of the Harbor Branch Oceanographic Institution, Inc., and Secretary Adams signed a long-term lease agreement, allowing for construction of needed facilities at the Smithsonian Marine Station at Link Port, Fort Pierce, Florida.

## June 3

**Acquisition:** In appreciation for the Smithsonian's contributions to Nepal's efforts to preserve its Royal Chitawan National Park, Prince Gyenendra presented two young greater one-horned rhinoceroses to the National Zoological Park. Participants in the ceremony included U.S. Interior Secretary Donald Hodel.

## June 3

**Research Tour:** For representatives of the U.S. Department of Energy and visiting scientists, Bert Drake of the Smithsonian Environmental Research Center displayed and described the facilities and equipment he is using to control levels of carbon dioxide in his novel study on the effects of the "greenhouse gas" on marsh plant communities.

## June 3

**Special Event:** National Associates attended a lecture and reception at the National Air and Space Museum before departing on the Odyssey of Flight study tour.

## June 4

**Benefit:** The Cooper-Hewitt Museum's Tenth Anniversary Ball included a Farewell Salute to Lisa Taylor, who earlier in the year announced her retirement as the museum's director. The event, held at the museum, raised money for an endowment fund for special research projects in the field of design. The fund will be named in Taylor's honor.

June 7

Program: The High School Summer Intern Program began its first session under the auspices of the Office of Elementary and Secondary Education. Each summer this program brings forty high school graduates from throughout the country to the Institution for a five-week series of educational and service activities.

June 8

Agreement: Secretary Adams signed an agreement with the Soviet Academy of Sciences. The agreement specifies the details of Institution's and the Soviet Union's participation in an upcoming exhibition, "Crossroads of Continents," that will be displayed in the United States and the Soviet Union.

June 9

Special Event: Sustaining, Patron, and James Smithson Society Members attended "A Victorian Evening," a special reception in the Arts and Industries Building and the new Enid A. Haupt Garden.

June 10

Telecast: The Public Broadcasting Service aired "The Promise of the Land," the fourth special of the third season of "Smithsonian World."

June 10-14

Tour: "Smithsonian Treasures: A Behind-the-Scenes Tour for Contributing Members" was sponsored by the Smithsonian National Associates Travel Program in cooperation with the Contributing Membership Program.

June 15

Publication: "Disabled Museum Visitors: Part of Your General Public," a video program and handbook, was published by the special education program of the Office of Elementary and Secondary Education, in collaboration with the Smithsonian Institution Press and the Office of Telecommunications. Designed to help museum docents work more effectively with disabled visitors, the materials will be used for training at the Institution and will be distributed to museums across the country by the Office of Museum Programs.

June 17

Gift: The National Museum of American History received the first Jarvik-7 artificial heart used in an authorized implant as a temporary measure for patients awaiting a donor heart. The heart was designed by Robert Jarvik and donated by the University Medical Center of the Arizona Health Sciences Center at the University of Arizona.



June 18

Award: In a private ceremony, Ira Rubinoff, director of the Smithsonian Tropical Research Institute, received the Government of Panama's Order of Vasco Nunez de Balboa for his accomplishments in marine research and for his support of young scientists from Panama and elsewhere in Latin America.

June 19

Agreement: A mutual cooperation agreement was signed by Smithsonian Tropical Research Institute and Kuna Indian representatives. The agreement provides formal recognition of the institute's marine station on the Kuna Yala (San Blas) islands.

June 19

Exhibition: "Into the Sunlit Splendor," an exhibition featuring forty oil paintings by contemporary aviation artist William S. Phillips, opened in the National Air and Space Museum's Flight and the Arts Gallery.

June 23-27

Panda Births: Giant panda twins were born at the National Zoological Park. One cub died within seconds of birth, apparently unable to survive because of its small size. The other cub survived the birth and appeared healthy until June 26. It succumbed early on June 27.

June 24-28; July 1-5

Folklife Festival: The 21st annual Festival of American Folklife featured Michigan folklife; the role of language in the preservation of cultural heritage; music of the cultural communities of metropolitan Washington, D.C.; and dance parties. Lao-Americans from the Washington, D.C., area celebrated a Rocket Festival, a tradition believed to encourage rain.

June 29

Seminars: The Office of Elementary and Secondary Education began its 1987 series of summer seminars for local teachers from the Washington, D.C., area and one graduate course for teachers from throughout the United States.

June 28-July 3

Seminars: The National Associates Lecture and Seminar Program conducted three week-long seminars in Washington, D.C. These were: "Garden Planning and Design" and two new seminars, "Sculpture in the Nation's Capital," and "Photojournalism."

July

Grant: The John D. and Catherine T. MacArthur Foundation awarded a \$542,000 grant to the Smithsonian Institution Traveling Exhibition Service for the research, production, and educational programming of the exhibition "Tropical Rainforests: A Disappearing Treasure." The foundation contributed an additional \$300,000 to support development of local educational programming during the exhibition's national tour.

July

Discovery: The discovery of what may be the first true "binary quasar" was reported by an international team of astronomers that included a Harvard-Smithsonian Center for Astrophysics scientist. Confirmation of the distances of the objects from Earth was made with the Multiple Mirror Telescope at the Smithsonian's Whipple Observatory.

July

Acquisition: With the aid of a grant from the James Smithsonian Society, the National Museum of African Art purchased a carved figure of a seated male and female from the Akan peoples of Ghana.

July

Staff Change: Ira Rubinoff, director of the Smithsonian Tropical Research Institute, began a one-year sabbatical at Harvard University.

July 1

Outreach: As part of continuing outreach efforts focused on minority communities, backlit dioramas, produced by the Office of Public Affairs with Educational Outreach Funds, were installed in six subway stations and the Washington, D.C., Amtrak station. Using the theme "Explore Your Heritage," the dioramas highlighted the multi-cultural aspects of the Smithsonian's collections.

July 1

Publication: The second edition of *Introduction to the Hirshhorn Museum and Sculpture Garden* was published by Harry N. Abrams, Inc., New York. Revised and updated, the publication includes an introduction by Hirshhorn Director James T. Demetrian and reproductions of several works acquired since the museum's opening in 1974.

July 1

Special Event: Sponsoring, Sustaining, Patron, and James Smithsonian Society Members attended an exclusive presentation of the Michigan Program of the Festival of American Folklife on the National Mall. A traditional Michigan picnic supper was served.

July 2

Resignation: Peggy A. Loar resigned as director of the Smithsonian Institution Traveling Exhibition Service to head the Wolfsonian Foundation in Miami. Eileen Rose, associate director for programs, was named acting director.

July 6-31

New Program: The National Science Resources Center began its Science and Technology for Children project with a four-week workshop to develop science materials for elementary schools. Representing urban, suburban, and rural school districts nationwide, more than seventy scientists, teachers, and science museum educators participated.

July 8

Publication: The Smithsonian Institution Libraries published a facsimile of the nineteenth-century trade catalog, *L. Straus and Sons Richest Cut Glassware*, with the American Cut Glass Association.

July 8

Course: The Resident Associate Program, the American Academy and Institute of Arts and Letters, and the National Portrait Gallery presented a course in which six authors and artists discussed their work. The participating artists and authors were George Rickey, Will Barnet, Cynthia Ozick, Philip Pearlstein, Anthony Hecht, Elizabeth Hardwick, Susan Sontag, and Hugo Weisgall.

July 9

Anniversary: The Smithsonian Institution Libraries Book Conservation Laboratory celebrated its tenth anniversary with an exhibition that illustrated traditional methods of binding and book repair and modern ultrasonic techniques.

July 10

New Council: The Office Elementary and Secondary Education convened the first meeting of the Smithsonian Advisory Council on Education. Appointed by Smithsonian Secretary Adams, the council is charged with helping to stimulate and shape Smithsonianwide priorities and directions in education.

July 10

Exhibition: "Ebla to Damascus: Art and Archaeology of Ancient Syria," a major exhibition organized by the Smithsonian Institution Traveling Exhibition Service with the cooperation of the Syrian Directorate of Antiquities, opened at the National Museum of Natural History. Displaying 281 examples of statuary, inscriptions, mosaics, jewelery, and other artifacts that had never been viewed in America, the exhibition illustrated how Syrian cultures have influence ten thousand years of history.

July 10

Exhibition: "John La Farge," co-organized by the Carnegie Museum of Art, opened at the National Museum of American Art. The exhibition featured 111 works documenting the nineteenth-century artist's accomplishments in painting, graphics, and stained glass--the medium in which he made his most enduring contribution. A symposium that explored the history, aesthetics, and techniques of American stained glass was presented in conjunction with the exhibition.

July 15

Appointment: Robert Hoffmann, director of the National Museum of Natural History, was named Smithsonian assistant secretary for research. Hoffmann's appointment is effective January 1, 1988. He succeeds David Challinor, who retired.



July 15

Special Event: The Embassy of Egypt and WETA hosted a special screening of "Islam," the fifth and final special of the third season of "Smithsonian World." The program, which was telecast in the United States on July 22, received wide acclaim in the international Islamic community.

July 15

Premiere: The half-hour film *The Movie Palaces*, produced by the Office of Telecommunications, premiered nationwide on the Public Broadcasting Service network.

July 15

Awards: Blue Pencil awards, from the National Association of Government Communicators, were given to *The Torch*, the Department of Botany brochure, and two Smithsonian News Service feature stories--all produced by the Office of Public Affairs.

July 16

Special Event: The National Zoological Park offered the first concert in its annual series, Sunset Serenades. Between four hundred and seven hundred people attended each of the six Thursday evening concerts in 1987.

July 29

New Advisory Council: The first meeting of the new Smithsonian Film, Television, and Radio Council was held. Smithsonian Secretary Adams appointed Adrian Malone as chairman of the council.

July 30

Acquisition: The Office of Folklife Programs began its custodianship of the Folkways Archives. Received were about six hundred boxes of sound tapes, original glass disks, as well as ethnographic files, correspondence, and other documentation associated with Folkways Records over the past half century.

July 30

Lecture: Author and lawyer Archibald Cox reflected on the role of the Supreme Court in a Resident Associate Program offering to mark the bicentennial of the Constitution.

July 31

Retirement: John E. Reinhardt retired as director of the Directorate of International Activities, concluding his more than seven years of service to the Smithsonian.

## August

Research: James Karr, Alan Smith, and Joseph Wright, all of the Smithsonian Tropical Research Institute, gave research presentations at the Annual Joint Meetings of the Ecological Society of America and the Association for Tropical Biology in Columbus, Ohio. A total of twenty-one presentations at the meetings were based on research conducted at the institute.

## August

Workshop: An Office of Museum Programs workshop, "Planning, Design, and Production of Exhibitions," was conducted in Costa Rica by a team of four Smithsonian staff members. The workshop served as a model for the Training Committee of the International Council on Museums.

## August

Outreach: About twenty high school teachers attended a summer workshop sponsored by Project STAR, a National Science Foundation-funded program at the Harvard-Smithsonian Center for Astrophysics. The workshop was designed to improve the teaching of secondary school science through an astronomy curriculum.

## August

Construction: Three greenhouses were completed--two for the Greenhouse-Nursery Division of the Office of Horticulture and one for the Marine Systems Laboratory for the development of an everglade mesocosm.

## August

Publication: The Smithsonian Institution Libraries (SIL) published *Collections Management: An SIL Policy Manual*, a two-volume work that was distributed to administrative offices and SIL units.

## August

Public Service Announcement: "There's a New Look at the Smithsonian," thirty-second and ten-second public service announcements were produced for television by the Office of Public Affairs. Announcing the opening of the Arthur M. Sackler Gallery and the National Museum of African Art, the announcements were distributed to one hundred television stations around the country.

## August 3-7

Conference: The Office of Protection Services (OPS) hosted the annual meeting of the International Committee on Museum Security. OPS Director Robert Burke was elected chairman of the committee. In conjunction with the meeting, the office conducted its tenth annual conference on museum security, attended by more than two hundred museum security specialists from around the world.

August 13

Exhibition: "Roger Brown," a midcareer retrospective for this Chicago-based artist, began its four-city national tour at the Hirshhorn Museum and Sculpture Garden. Brown later appeared at the museum in a public dialogue with film critic Gene Siskel.

August 13

Media Event: The Office of Public Affairs held the first Smithsonian press preview organized for the Hispanic media. Focusing on the Institution's plans for the Columbus Quincentenary, the event was attended by twenty-nine journalists and sixty key figures from the Smithsonian and the Hispanic community.

August 17

Appointment: Cornell University astrophysicist Martin O. Harwit was appointed director of the National Air and Space Museum.

August 24

Acquisition: The National Museum of American Art acquired John Valentine Haidt's *Young Moravian Girl* (ca. 1755-1760) with funds provided by the American Art Forum, a group founded in 1985 to support and enrich the museum's collection of American art.

August 27

Special Event: Sponsoring, Sustaining, Patron, and James Smithsonian Society Members viewed the exhibition "John La Farge" at the National Museum of American Art.

September

Research Milestone: In a historic new project designed to aid in the preservation of the richest area of biodiversity on earth, a team of National Museum of Natural History scientists, working with colleagues from the United States and Latin America, systematically began to inventory the plant and animal life of Bolivia's Beni Biosphere Reserve. It was the first of a series of biodiversity inventories planned by the museum over the next decade in protected reserves and parks in Latin America.

September

International Center: International Activities inaugurated the public and scholarly programs of the International Center with three presentations: Professor David Maybury-Lewis, Harvard University, spoke on "Tomorrow's Children: An Outlook for the Next Generation"; award-winning filmmakers Phil Agland and Lisa Silcock premiered their film *In the Shadow of the Forest: The Baka Pygmy*; and noted author Carlos Fuentes opened the Columbus Quincentenary Lecture Series with a lecture on "The Americas: Our Shared Memory."



September

Exhibition: "Sojourners and Settlers," a photographic exhibition of Yemeni migrants in Yemen and in the United States opened in the foyer of the international conference area of the new S. Dillon Ripley Center. The exhibition inaugurated a program of modest exhibitions to enhance cross-cultural understanding.

September

Research: W. David Kingery, Kyocera Professor of Ceramic Engineering at the Massachusetts Institute of Technology and internationally recognized authority on historic ceramic technology, began a one-year Regents Fellowship at the Conservation Analytical Laboratory and the National Museum of American History. Kingery will study models of the interaction of society and technology.

September

New Program: Two graduate students entered the new conservation science training program, a joint initiative of the Conservation Analytical Laboratory and the Department of Materials Science and Engineering at Johns Hopkins University.

September

Minority Award: The Office of Museum Programs made its first Alaskan native award to Rose Fosdick under its Minority Awards program.

September

Publications: The Office of Public Affairs updated and redesigned the Institution's visitor brochure for the opening of the new museum complex. Also revised and expanded were the "Guide for Disabled Visitors" and "Explore Your Heritage," which focuses on exhibitions and collections related to Afro-American history. A flyer and commemorative brochure on the new complex were also produced by the office.

September

Grant: The Smithsonian Women's Committee awarded a grant to the Smithsonian Archives to support a two-part workshop and seminar for Smithsonian staff on the care of photographs, motion picture film, audiotape, and videotape.

September 1

Obituary: Thomas R. Soderstrom, curator in the Department of Botany, National Museum of Natural History, died in Washington, D.C. Soderstrom was an international expert in the taxonomy and biology of bamboos.

September 10

Tribute: The third level of the Institution's new underground museum, research, and education complex was named in honor of Smithsonian Secretary Emeritus S. Dillon Ripley in recognition of Ripley's vision, leadership, and public service and of his pivotal role in the creation of the complex. The S. Dillon Ripley Center houses a major exhibition gallery, offices, and education areas.

September 10

Media Event: Nearly three hundred people, representing ninety-eight print and broadcast outlets, attended an all-day preview of the Smithsonian's new museum, research, and education complex. The largest single-day press event in the Institution's history, the conference resulted in national and international media coverage in radio, television, newspapers, and magazines.

September 10

Expanded Service: The Visitor Information and Associates' Reception Center began operating information desks in the Arthur M. Sackler Gallery, National Museum of African Art, and S. Dillon Ripley Center.

September 11

Symposium: Organized by the Office of Interdisciplinary Studies and the National Academy of Sciences, "Recreations with the Muses: Creativity in the Arts and Sciences" marked the upcoming opening of the Arthur M. Sackler Gallery. Personal testimony from accomplished individuals in various walks of life and areas of expertise gave insight into the creative process.

September 11

Special Event: A seated dinner for three hundred guests was held in honor of the opening of the Arthur M. Sackler Gallery. Speakers included His Excellency Kyung-Won Kim, the ambassador of Korea, and Mr. Nagao Hyodo, minister for general affairs, Embassy of Japan. The governments of Korea and Japan contributed to the construction of the Sackler Gallery.

September 11

Special Event: As part of its Lectures and Seminars Series, the Smithsonian Institution Libraries (SIL) presented a public program on "Books in the Attic: What Are They Worth?" Nearly two hundred people attended the panel discussion and the reception following the program. Copies of SIL's "Book Collecting and the Care of Books" (revised edition) were distributed to the audience.

September 11-13

Special Event: In cooperation with several other Smithsonian offices, the Office of the Committee for a Wider Audience participated in the Black Family Reunion held on the Mall and sponsored by the National Council of Negro Women. "Blacks in the Westward Movement," a photo-panel exhibition by the Smithsonian Institution Traveling Exhibition Service, was displayed; literature describing Smithsonian programs was distributed to visitors; and staff members were on hand to answer questions.

September 12

Award: "Smithsonian World" won a Primetime Emmy for "Outstanding Informational Series" from the National Academy of Television Arts and Sciences.

September 12

Symposium: The National Museum of American History hosted "After Columbus: Encounters in North America," which examined early contacts between European settlers and Native Americans.

September 12

Special Program: A program of lectures on Asian art and culture was presented in honor of the opening of the Arthur M. Sackler Gallery. Featured were speakers from the British Museum, the Massachusetts Institute of Technology, the University of Chicago, and the University of Pennsylvania.

September 12

Memorial Concert: A concert was presented by Mrs. Arthur M. Sackler and the family and friends of the late Dr. Sackler in the Kennedy Center Concert Hall to celebrate the life of Dr. Sackler and the opening of the museum named for him.

September 13-19

Hispanic Heritage Week: Lectures, poetry readings, craft demonstrations, exhibition tours, films, and concerts were organized by six museums and the Resident Associate Program in observance of Hispanic Heritage Week. Subjects for the many programs ranged from social issues to the night skies over Latin America--graphically presented in a planetarium show. Tours, conducted in Spanish and English, were offered by the National Museum of American Art and the Hirshhorn Museum and Sculpture Garden.

September 13

Special Event: A festschrift in honor of the late Dr. Arthur M. Sackler, primary benefactor of the Smithsonian's new museum of Asian art, was held in the lecture hall of the S. Dillon Ripley Center.

September 15

Exhibition: "Lucian Freud Paintings" began a four-city international tour with its opening at the Hirshhorn Museum and Sculpture Garden--the exhibition's only American venue. The exhibition, organized by the British Council in London, featured eighty-one paintings by the acclaimed British realist. British Ambassador Anthony Acland hosted a dinner two days later and also attended the exhibition's preview on September 14.

September 15

Award: The Cooper-Hewitt Museum received the Big Apple Award from the New York Chapter of the National Home Fashions League at a luncheon attended by four hundred members of the press and the home fashions industry. Director Emeritus Lisa Taylor accepted the award for the museum.



September 16

Symposium: The National Museum of African Art organized a symposium, "African Art Studies: The State of the Discipline." Made possible by a grant from the Shell Companies Foundation, the symposium was one of the museum's inaugural events.

September 16

Lecture: In a Resident Associate Program lecture, author Toni Morrison presented readings from her recently published novel, *Beloved*. The lecture was followed by a book-signing reception.

September 17

Award: Cooper-Hewitt Museum Director Emeritus Lisa Taylor was presented the Henry Medal by Secretary Adams at a reception in his home. Taylor is the twentieth recipient of the award, named in honor of the first Secretary of the Institution.

September 17

Award: The National Zoological Park awarded a silver medal to Sir David Attenborough for his outstanding service to zoological science and conservation. Three hundred people attended the ceremony.

September 18

Benefit: The Junior Committee of the Cooper-Hewitt Museum held its first fall fundraising event--a black-tie ball organized around the theme of the exhibition "Art Nouveau Bing: The Paris Style 1900." More than eight hundred people attended the event.

September 22

Gift: The Gold Rush, one of the fastest human-powered land vehicles, was presented to the National Museum of American History. In May 1986, the Gold Rush reached a record-setting speed of 65.48 miles per hour on a paved highway in the Sierra Nevada mountains.

September 22-23

Special Event: The Office of the Committee for a Wider Audience hosted two receptions to introduce the Institution's new museum complex: the first for members of local minority communities and the second for five hundred teachers from the Washington metropolitan area.

September 24-25

Conference: With funding from the Education Outreach Fund, the Office of the Committee for a Wider Audience and the Program in Black American Culture at the National Museum of American History organized a national forum for museum professionals to present and analyze innovative outreach programs that have succeeded in drawing new audiences to museums.

September 25

Film Series: The Hirshhorn Museum and Sculpture Garden launched its highly acclaimed series of independent films, animated short features, and documentaries for the 1987-88 season.

September 26

Symposium: The Smithsonian Quincentenary Program presented its first public symposium, "Americans Before Columbus: Ice Age Origins." Prominent North American scholars engaged in a lively debate focusing on the first human occupation of the Americas and on late Ice Age extinctions. The day-long event was cosponsored by the National Museum of Natural History.

September 26

Special Event: The annual activities for members of the James Smithson Society were held. Included were a morning tour of the Arthur M. Sackler Gallery and the National Museum of African Art, followed by a luncheon at the official residence of H. E. Nobuo Matsunaga, ambassador of Japan. In the evening, a formal dinner was held at the National Air and Space Museum.

September 28

Dedication Ceremony: The new Smithsonian museum complex, including the National Museum of African Art, the Arthur M. Sackler Gallery, the S. Dillon Ripley Center, and the Enid A. Haupt Garden, opened following a dedication ceremony headed by Secretary Adams; Secretary Emeritus S. Dillon Ripley; architect Jean-Paul Carlhian; Regent Anne L. Armstrong; and John R. Kinard, director of the Anacostia Museum.

September 28

Smithsonian Institution Day: A proclamation by the mayor of the District of Columbia named this day as Smithsonian Institution Day in honor of the public opening of the two new Smithsonian museums of art and the new international center.

September 28

Inaugural Exhibition: The Smithsonian's International Gallery opened its inaugural exhibition, "Generations," organized by the Smithsonian Institution Traveling Exhibition Service (SITES) and the International Center. "Generations" combined three hundred artifacts from lenders worldwide with 125 award-winning photographs, resulting in an unprecedented look at how families around the globe and through the centuries have anticipated and welcomed newborns. SITES published a companion book, *Generations: A Universal Family Album*, for distribution by Pantheon Books.

September 28

Inaugural Exhibitions: The National Museum of African Art celebrated its opening with five inaugural exhibitions: "African Art in the Cycle of Life"; "Royal Benin Art in the Collection of the National Museum of African Art"; "Patterns of Life: West African Strip-Weaving Traditions"; "The Permanent Collection of the National Museum of African Art"; and "Objects of Use." Catalogues were published for the first three exhibitions.

September 28

Inaugural Exhibitions: The Arthur M. Sackler Gallery joined the Smithsonian family as its fourteenth museum as it opened to the public with the following inaugural exhibitions: "In Praise of Ancestors: Ritual Objects from China"; "Monsters, Myths, and Minerals"; "Pavilions and Immortal Mountains: Chinese Decorative Art and Painting"; and "Nomads and Nobility: Art from the Ancient Near East."

September 29-30

Special Event: Donor, Sponsoring, Sustaining, Patron, and James Smithsonian Society Members of the Contributing Membership Program attended private viewings of the Arthur M. Sackler Gallery, the National Museum of African Art, the International Center, and the Enid A. Haupt Garden. A special reception was held in the Arts and Industries Building.



# Appendix I

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## Appendix 2

Smithsonian Special Foreign Currency Program Awards  
Made October 1, 1986, through September 30, 1987

### ARCHEOLOGY, ANTHROPOLOGY, AND RELATED DISCIPLINES

American Academy of Arts and Sciences, Cambridge, Massachusetts. Conference for special Daedalus issue on India.

American Foundation for the Blind, New York, New York. Workshop on cross-cultural issues in rehabilitation (India).

American Institute of Indian Studies, Chicago, Illinois. Continued support for administration; research fellowships; Center for Art and Archeology; Archives and Research Center for Ethnomusicology.

Case Western Reserve University, Cleveland, Ohio. Archeological research in Karnataka (India).

Duke University, Durham, North Carolina. Land use and vegetation changes in south and southeast Asia, 1800 - 1980 A.D. (India and Burma).

Freer Gallery of Art, Washington, D. C. and University of Chicago, Chicago, Illinois. Garden, city, and empire: the historical geography of Mughal Lahore (Pakistan).

Indo-U.S. Subcommittee on Education and Culture, New York, New York. Indo-American fellowship program.

Smithsonian Office of Folklife Programs, Washington, D. C. National Cultural Festival (India).

Social Science Research Council, New York, New York. Conference on agricultural terminologies; workshop on public culture in the late twentieth century (India).

Tufts University, Medford, Massachusetts. South Asia and world capitalism conference (India).

University of California, Berkeley, California. Excavations at Opovo-Bajbuk (Yugoslavia); archeological investigations at Harappa, Pakistan.

University of California, Los Angeles, California. Sikh studies conference.

University of Chicago, Chicago, Illinois. The religious significance of horses in India: tests on the horse sacrifice and on the care of horses.

University of Massachusetts, Boston, Massachusetts. Conference on numismatics and archeology (India).

University of Michigan, Ann Arbor, Michigan. Ajanta caves seminar (India).



University of Minnesota, Minneapolis, Minnesota. Muslim intelligentsia in the 18th century: intellectuals' response to the crisis of change in north India (Pakistan).

University of Pennsylvania, Philadelphia, Pennsylvania. Excavation at Arikamedu (India); Rome and India, the sea trade conference.

University of Texas, Austin, Texas. Formative aspects of Burmese civilization.

University of Wisconsin, Madison, Wisconsin. Telugu folklore conference, conference on old problems, new perspectives in archeology (India).

Virginia Museum of Fine Arts, Richmond, Virginia. Epigraphic of the tombs at Assiut, Egypt.

#### SYSTEMATIC AND ENVIRONMENTAL BIOLOGY (INCLUDING PALEOBIOLOGY)

Bethel College, North Newton, Kansas. Change in the structure of an amphibian assemblage in a changing agricultural ecosystem in rural Orissa after thirty years (India).

Harvard University, Cambridge, Massachusetts. Late Miocene hominoids and the origins of hominidae: paleobiology and paleoenvironments (Pakistan).

Howard University, Washington, D. C. Cenozoic mammals and biostratigraphy of Pakistan.

Lamont-Doherty Geological Observatory, Palisades, New York. Paleoclimatic and paleoenvironmental changes in Asia during the last 4 million years, a symposium at Ahmedabad, India.

Michigan State University, East Lansing, Michigan. Comparative studies of dance orientation and vision in the Asian honey bees (India).

National Museum of Natural History, Washington, D. C. Botanical research (India)

National Zoological Park, Washington, D. C. Genetic analyses of captive lions (India); International symposium on primates.

University of Guam, Mangilao, Guam. Effect of natural enemies on Chromolaena odorata and Eupatorium adenophorum and their influence on the native vegetation of India.

University of Massachusetts, Boston, Massachusetts. Conference on agroforestry for rural needs (India).

University of North Carolina, Morehead City, North Carolina. Biology, ecology and systematics of sharks of the east and Coromandal coasts of India.

## ASTROPHYSICS AND EARTH SCIENCES

Louisiana State University, Baton Rouge, Louisiana. Geochemical and geochronological studies on mafic volcanic rocks from the central and eastern Himalaya, India.

Radio Astronomy Observatory, Socorro, New Mexico. Observations of cosmic hydrogen and deuterium and development of a spectral line capability for a new Indian radio telescope.

Smithsonian Astrophysical Observatory, Cambridge, Massachusetts. CCD studies (India).

University of Arizona, Tucson, Arizona. Early Miocene chronology (Pakistan); meteorites and the origin of the solar system conference (India).

University of Colorado, Boulder, Colorado. ISCA/AAAS Joint Scientific Seminar at Bangalore, India.

University of Nebraska, Omaha, Nebraska. Quaternary stratigraphy and chronology, Nanga Parbat and Karakoram Himalaya (Pakistan).

## MUSEUM PROGRAMS

Discovery Place, Charlotte, North Carolina. Museum education exchanges (India).

Indo-U.S. Subcommittee on Education and Culture, New York, New York. Joint programs (India).

National Museum of American History, Washington, D. C. History of science training workshop (India).

Smithsonian Institution, Washington, D. C. Artists' books, U.S.A.; museum outreach conference; women and the Constitution conference; 12th Sarabhai memorial lecture series (India).

# Appendix 3

## Visitors to Smithsonian Institution Museums in Fiscal Year 1987

Month	Smithsonian Institution Building	Arts and Industries Building	Natural History Building	Air and Space Building	Freer Gallery of Art	American Art and Portrait Gallery	Renwick Gallery	Totals
October 1986	87,684	85,146	392,588	490,403	24,172	28,912	20,084	1,128,989
November	68,333	73,701	421,796	413,016	20,406	26,357	26,216	1,049,825
December	53,810	66,500	292,332	325,541	16,365	20,339	26,594	801,481
January 1987	35,798	41,318	245,591	246,478	14,894	18,340	14,066	616,485
February	49,417	48,159	370,594	288,323	13,357	23,735	7,464	801,049
March	86,849	75,340	672,861	488,979	24,531	32,181	15,714	1,396,455
April	135,668	139,904	1,115,679	1,005,553	32,565	33,762	24,882	2,488,013
May	116,681	128,303	1,062,510	855,250	28,589	31,970	23,691	2,246,994
June	116,485	144,137	824,591	886,793	31,384	28,268	18,156	2,049,814
July	180,782	163,808	1,073,181	1,105,733	35,677	33,897	19,811	2,612,889
August	158,739	165,750	921,182	1,125,849	32,059	35,311	12,523	2,451,413
September	70,409	96,845	493,615	518,405	29,614	31,286	8,846	1,249,020
Totals	1,160,655	1,228,911	7,886,520	7,750,323	303,613	344,358	218,047	18,892,427

Month	Anacostia Neighborhood Museum	Cooper- Hewitt Museum	American History Museum	S. Dillon Ripley Center	Sackler Gallery	Hirshhorn Museum	African Art Museum	Totals
October 1986	2,181	21,724	315,564			73,688		413,157
November	1,839	12,174	288,853			68,433		371,299
December	2,868	13,727	246,242			47,594		310,431
January 1987		9,981	157,026			37,349		204,356
February		9,066	196,210			45,350		250,626
March		11,954	390,758			96,382		499,094
April		11,979	732,942			124,839		869,760
May	2,560	12,968	696,414			128,929		840,871
June	1,727	16,268	720,300			104,037		842,332
July	3,633	9,610	828,661			111,212		953,116
August	385	12,156	656,843			113,057		782,441
September	175	11,011	396,752	4,674	7,095	82,759	14,555	517,021
Totals	15,368	152,618	5,626,565	4,674	7,095	1,033,629	14,555	6,854,04
Grand Total								25,746,931

NOTE: Totals for each museum reflect the number of individual visitors to that museum. Since many visitors include more than one museum on their itinerary, or go to various museums on several consecutive days, they are counted several times. The grand total, therefore, represents the aggregate of museum visitor counts, and is higher than the actual number of individual visitors to the Smithsonian Institution.



## Appendix 4

### Academic, Research Training, and Internship Appointments in Fiscal Year 1987

Listed immediately below in the first section of this Appendix, under the heading, "Academic and Research Training Appointments," are Predoctoral and Postdoctoral fellows, Graduate Student fellows, Visiting Scientists or Scholars, and other special awardees and participants in special programs. This list was compiled by the Office of Fellowships and Grants. Interns, other academic appointees, and scholarly visitors are listed in the second section under the heading, "Internships and Other Appointments." These entries were submitted by the Visitor Information and Associates Reception Center. The final section in this Appendix lists academic, research training, and internship appointments submitted by bureaus, offices, and divisions of the Smithsonian Institution and may contain some duplication.

#### ACADEMIC AND RESEARCH TRAINING APPOINTMENTS

The Smithsonian offers, through the Office of Fellowships and Grants, research appointments to visiting scientists, scholars, and students. The appointees are provided access to the Institution's facilities, staff specialties, and reference resources. The awardees, listed in this Appendix by bureau, office, or division, began their residencies between October 1, 1986 and September 30, 1987. Predoctoral and Postdoctoral fellows, Graduate Student fellows, Visiting Scientists or Scholars, and other special awards and participants in special programs are so listed. The entries include the institution where the Fellow received or expects to receive the degree, or the home institution of the Visiting Scientist or Scholar and other special appointees. A brief description of the project to be undertaken at the Smithsonian is included where appropriate. The fellow's or visitor's Smithsonian advisor and dates of tenure are also listed.

#### ARCHIVES OF AMERICAN ART

Penny Joy Bealle, Graduate Student Fellow, Cornell University.  
"Introduction of Modern Art to New York (1905-1939) : Its Reception and Influence," with Garnett McCoy, from January 5, 1987 to March 13, 1987.

Jill Pearlman, Graduate Student Fellow, University of Chicago.  
"Educating the Modern Architect : Joseph Hudnut and the Emergence of the New American Architect (1933-1953)," with Garnett McCoy, from September 14, 1987 to November 20, 1987.

ARTHUR M. SACKLER GALLERY

Wheeler McIntosh Thackston, Jr., Rockefeller Fellow, Harvard University.  
"Timurid Sources for Art History and History of Patronage," with  
Milo Beach, from June 1, 1987 to May 30, 1988.

Roya Marefat, Visiting Scholar, Harvard University. "Translation and  
Transcription of the Persian Material in the Vever Collection of  
the Sackler Gallery," with Glenn Lowry, from June 1, 1987 to  
September 1, 1987.

CONSERVATION ANALYTICAL LABORATORY

David Kingery, Regents' Fellow, Massachusetts Institute of Technology.  
"Artifact Interpretation and the Rise of Pictorial  
Traditions in the Ceramics of 5th c. Greece, 12th c. Islam,  
15th c. Italy and the Early Qing Dynasty of China : Models  
for the Interaction of Society and Technology," with  
Lambertus van Zelst and Roger Kennedy of the National  
Museum of American History, from September 1, 1987 to  
August 31, 1988.

J. Emlen Myers, Visiting Scientist, State University of New York at  
Binghamton. "Refinement of the Typology, through Trace-Element  
Analyses, of 15th to 16th-century Maiolica Ceramics Excavated  
in Southern Spain," with James Blackman, from September 1, 1987  
to August 31, 1988.

Hector Neff, Postdoctoral Fellow, University of California at Santa  
Barbara. "Interpretive Data on the Chemical Composition of  
Ceramics, with Application to Ceramics from Contemporary  
Highland Guatemala and Late Classic Period, Palingus," with  
Ronald Bishop, from November 1, 1986 to October 31, 1987.

FREER GALLERY OF ART

Michael Brand, Visiting Scholar, Harvard University. "Garden City,  
and Empire : The Historical Geography of Mughal Lahore," with  
Milo Beach, from June 1, 1987 to September 30 1987.

Matthew Kercher, Predoctoral Fellow, Princeton University. "The  
Caligraphy of Pa-ta Shan-jen (1626-1705)," with Shen C.Y. Fu,  
from September 21, 1987 to September 20, 1988.

John Alan Siewert, Predoctoral Fellow, University of Michigan. "The  
'Nocturnes' of James McNeill Whistler," with Linda Merrill, from  
September 1, 1987 to August 31, 1988.

Jan Stuart, Visiting Scholar, Princeton University. "Research and Cataloguing of the 16th-century Zhe School Painting," with Shen C.Y. Fu, from April 15, 1987 to April 14, 1988.

#### HIRSCHHORN MUSEUM AND SCULPTURE GARDEN

Emmie Donadio, Predoctoral Fellow, Columbia University. "The Art and Life of Richard Stankiewicz, American Sculptor," with Valerie Fletcher, from September 15, 1987 to March 15, 1988.

Dietlinde Ulrike Luitgard Hamburger, Predoctoral Fellow, Kassel University. "Research on Carl Grossberg : A Bauhaus-trained Painter," with Judith Zilczer, from March 1, 1987 to February 28, 1988.

#### NATIONAL AIR AND SPACE MUSEUM

Ronald S. Brashear, Predoctoral Fellow, The Johns Hopkins University. "The History of Infrared Astronomy, 1880-1960," with Joseph Tatarewicz, from September 15, 1987 to September 14, 1988.

Ronald E. Doel, Guggenheim Predoctoral Fellow, Princeton University. "Development of Planetary Astronomy, 1945-1965," with Joseph Tatarewicz, from September 1, 1987 to August 31, 1988.

Emil Edward Friberg, Jr., Graduate Student Fellow, University of North Carolina at Chapel Hill. "A Study of the Impact of the Federal Government Policy on the Growth of the U. S. Computer Industry," with Paul Ceruzzi, from June 15, 1987 to August 21, 1987.

C. Vance Haynes, Senior Postdoctoral Fellow, University of Arizona. "Geochronology of Quaternary Climatic Change, Eastern Saharan Egypt and Sudan," with Ted A. Maxwell, from August 15, 1987 to December 15, 1987.

Eric Schatzberg, Graduate Student Fellow, University of Pennsylvania. "The Design of Aircraft and Structures : Sikorsky Seaplanes as a Case Study," with Howard Wolko, from June 1, 1987 to August 7, 1987.

#### NATIONAL MUSEUM OF AFRICAN ART

Ebenezer N.O. Quarcoopome, Graduate Student Fellow, University of California at Los Angeles. "Regalia and Patterns of Leadership in the Dahomey Gap of West Africa," with Roy Sieber, from June 29, 1987 to September 4, 1987.

NATIONAL MUSEUM OF AMERICAN ART

- Ramona Marie Austin, Predoctoral Fellow, Yale University. "Staffs of Authority and Mediation: The Kongo and Ngoyo Origins of Afro-American Conjuring Canes and Walking Sticks," with Lynda Hartigan, from October 15, 1986 to October 14, 1987.
- Gerald Lawrence Caziz, Senior Postdoctoral Fellow, University of Michigan. "British Influences on American Art, 1837-1887," with William Truettner, from October 1, 1986 to September 30, 1987.
- Wanda Corn, Regent's Fellow, Stanford University. "Cultural Nationalism in Post World War I American Art," with Charles Eldredge, from December 15, 1986 to December 14, 1987.
- Carolivia Herron, Faculty Fellow, Harvard University. "Fundamental Backgrounds in Afro-American Visual Arts," with Lynda Hartigan, from July 1, 1987 to August 31, 1987.
- Joni Louise Kinsey, Predoctoral Fellow, Washington University. "Creating a Sense of Place : Thomas Moran and the Surveying of the American West," with William Truettner, from July 15, 1987 to July 14, 1987.
- Mary Panzer, Predoctoral Fellow, Boston University. "Photography and the Reception of Realism in America, 1850-1900," with William Truettner, from October 1, 1986 to September 30, 1987.
- Susan Noyes Platt, Postdoctoral Fellow, University of Texas. "Examining Concepts of Modernism in the 1930's, with a Focus on Hans Hofman," with Judith Zilczer, from January 1, 1987 to June 30, 1987.
- Susan M. Sivard, Predoctoral Fellow, Columbia University. "The Volcano as Image and Symbol in 19th-century American Art," with William Truettner, from September 1, 1987 to August 31, 1988.

NATIONAL MUSEUM OF AMERICAN HISTORY

- Nancy Bercaw, Graduate Student Fellow, University of Pennsylvania. "Emergence of Victorian Handicrafts and Fancywork as They Relate to Women's Status and Growth of Consumer Goods," with Gary Kulik, from June 8, 1987 to August 14, 1987.
- Beth Alice Bullard, Postdoctoral Fellow, University of Pennsylvania. "Women Playing Musical Instruments in 19th-century America : An Iconographic Study," with Cynthia Hoover, from August 15, 1987 to August 14, 1988.



- Terrence Epperson, Predoctoral Fellow, Temple University. "Thus in the Beginning All the World was America : Class Formation and the Social Construction of Race in the Chesapeake, 1676-1740," with Barbara Clark Smith, from September 14, 1987 to September 13, 1988.
- Miriam Formanek-Brunell, Predoctoral Fellow, Rutgers University. "The American Doll Industry, 1890-1930," with Rodris Roth, from June 1, 1987 to May 31, 1988.
- Charles M. Haines, Predoctoral Fellow, University of Delaware. "A Study of the Causes and Effects of the Industrialization of Wood," with Robert Post, from September 9, 1987 to September 8, 1988.
- Marybeth Hamilton, Predoctoral Fellow, Princeton University. "'When I'm Bad I'm Better,' The Rise of Mae West," with Carl Scheele, from June 1, 1987 to August 31, 1988.
- Christine Hoepfner, Predoctoral Fellow, University of Pennsylvania. "Of Popular Interest - The Past and the Public - National and Personal Identity and the Smithsonian Historical Collections," with Gary Kulik and Barbara Clark Smith, from September 8, 1987 to September 7, 1988.
- Alexander Gustave Keller, Senior Postdoctoral Fellow, Cambridge University. "Mechanics, Mathematics and Machines in the Age of the Renaissance," with Silvio Bedini, from February 1, 1987 to September 30, 1987.
- David Kingery, Regents' Fellow, Massachusetts Institute of Technology. "Artifact Interpretation and the Rise of Pictorial Traditions in the Ceramics of 5th c. Greece, 12th c. Islam, 15th c. Italy and the Early Qing Dynasty of China : Models for the Interaction of Society and Technology," with Roger Kennedy and Lambertus van Zelst of the Conservation Analytical Laboratory, from September 1, 1987 to August 31, 1988.
- Lynne Elizabeth Kirby, Predoctoral Fellow, University of California at Los Angeles. "The Railroad and the Cinema : 1895-1929," with William Withuhn, from October 1, 1986 to March 31, 1987.
- Sally Gregory Kohlstedt, Senior Postdoctoral Fellow, University of Illinois. "A Study of Natural History Museums in 19th-century U.S.," with Arthur Molella, from January 1, 1987 to April 30, 1987.
- Michael O'Brien, Graduate Student Fellow, Catholic University. "A Documentary Study of Clavichords in the Smithsonian Collection," with John Fesperman, from July 6, 1987 to September 11, 1987.
- Michael Hugh O'Malley, Predoctoral Fellow, University of California at Berkeley. "Popular Conceptions of Time in America, 1850-1920," with Carlene Stephens, from July 1, 1987 to June 30, 1988.
- Kathy L. Peiss, Postdoctoral Fellow, Brown University. "Face Value : Cosmetics, Gender and Consumption in Twentieth-century American Society," with Barbara Melosh, from June 1, 1987 to May 31, 1988.

- Steven C. Reber, Predoctoral Fellow, Massachusetts Institute of Technology. "A Comparative Study of Ceramics Manufactories in Britain and France during the 18th Century," with Susan Myers, from September 1, 1987 to August 31, 1988.
- David Reed, Predoctoral Fellow, University of London. "Development of the Modern Magazine in America, Britain, and France, 1880-1960," with Elizabeth Harris, from October 1, 1986 to September 30, 1987.
- Linda Shopes, Predoctoral Fellow, University of Maryland. "A Study of the Canning Industry in Baltimore, 1860-1960," with G. Terry Sharrer, from January 1, 1987 to December 31, 1987.
- Nina Silber, Predoctoral Fellow, University of California at Berkeley. "The Image of the South in Northern Culture," with Pete Daniel, from September 1, 1987 to August 31, 1988.
- Julie H. Weiss, Predoctoral Fellow, Brown University. "Popularization of the Psychoanalytic Definitions of Women, 1925-1963," with Spencer Crew and Edith Mayo, from July 1, 1987 to June 30, 1988.
- Jeannie Whayne, Predoctoral Fellow, University of California at San Diego. "Reshaping the Rural South : Land, Labor, and Federal Policy in Poinsett County, Arkansas, 1900-1940," with Pete Daniel, from September 1, 1987 to August 31, 1988.

#### NATIONAL MUSEUM OF NATURAL HISTORY

- Paula Faye Bienenfeld, Postdoctoral Fellow, State University of New York at Binghamton. "Functional Analysis of African Late Stone Age Tools," with Dennis Stanford, from June 1, 1987 to May 31, 1988.
- Vagn F. Buchwald, Senior Postdoctoral Fellow, University of Copenhagen. "A Study of Iron Meteorites in the Smithsonian Collections, Particularly those Collected in the Antarctic during the 1980's," with Roy Clarke, from September 1, 1987 to January 31, 1988.
- Peter Cannell, Postdoctoral Fellow, City University of New York. "Avian Anatomy and Systematics," with Richard Zusi, from October 1, 1986 to September 30, 1987.
- Laurel Smith Collins, Predoctoral Fellow, Yale University. "The Effect of Environment on Morphologic Variation within a Benthic Foraminiferal Species," with Martin A. Buzas, from September 1, 1987 to August 31, 1988.
- John D. Damuth, Visiting Scientist, Yale University. "Development of a Computerized Database on Paleoecology for the Evolution of Terrestrial Ecosystems Program," with Anna Kay Behrensmeyer, from December 1, 1986 to September 30, 1988.

- Denise Decker, Visiting Student, Shippensburg University. "The Phylogenetics of Procyonids," with Wallace Wozencraft, from June 1, 1987 to June 30, 1987.
- Mary Adelaide Evins, Visiting Student, University of Chicago. "Neutron Activation Analysis from Archeological Ceramics from the Karababa Basin, Southeastern Turkey, 4th and 3rd Millennia B.C.," with Robert Mc. Adams, from January 1, 1987 to December 31, 1987.
- John Washburn Fisher, Jr., Postdoctoral Fellow, University of California at Berkeley. "Analysis of Faunal Remains from the Lamb Spring Archeological Site, Colorado," with Dennis Stanford, from January 1, 1987 to December 31, 1987.
- Gayle Jeannine Fritz, Postdoctoral Fellow, University of North Carolina at Chapel Hill. "Analysis of Archeobotanical Remains from the Toltec Site and Other Sites in the Lower Mississippi River Valley for Research on the Evolution of Agriculture," with Bruce Smith, from October 1, 1986 to September 30, 1987.
- Robert J. Hard, Postdoctoral Fellow, University of New Mexico. "Analysis of Tarahumara Field Data Focusing on Ethnoarcheological Work," with William Merrill, from June 1, 1987 to May 31, 1988.
- Suzette Heald, Senior Postdoctoral Fellow, University of London. "Two African Modes of Being : Society and Person Among the Gim and Teso of East Africa," with Ivan Karp, from December 15, 1986 to December 14, 1987.
- Timothy Howard Heaton, Graduate Student Fellow, Harvard University. "Patterns of Evolution in the Fossil Rodent Ischyromys from Oligocene Deposits of the Great Plains of North America," with Robert J. Emry, from June 1, 1987 to August 7, 1987.
- Mark Alan Hershkovitz, Predoctoral Fellow, University of California at Davis. " Leaf Architecture and Phylogeny in the Centrospermae," with Joan W. Nowicke, from December 15, 1986 to December 14, 1987.
- Martin Joel, Graduate Student Fellow, Duke University. "Creek Indians and the Eighteenth-century Deer-skin Trade," with William Fitzhugh, from June 1, 1987 to August 7, 1987.
- Naomi N. Kipury, Predoctoral Fellow, Temple University. "Social Change and Gender Among Maasai Women," with Ivan Karp, from June 1, 1987 to May 31, 1988.
- Jean M. Kozul, Graduate Student Fellow, Rutgers University. "The Chemistry and Petrology of the HED Achondrites," with Glenn MacPherson, from June 1, 1987 to August 7, 1987.



- Benjamin Ray Kracht, Graduate Student Fellow, Southern Methodist University. "Religious Syncetism Among the Kiowas," with Ives Goddard, from June 8, 1987 to August 14, 1987.
- Stephen Loring, Graduate Student Fellow, University of Massachusetts at Amherst. "The Archaeology and Ethnography of the Late Indian Population of Labrador : A Social Perspective," with William Fitzhugh, from June 22, 1987 to August 28, 1987.
- Paula Marie Mabee, Postdoctoral Fellow, Duke University. "The Interrelationship of Elassoma and the Role of Paedomorphosis in its Evolution," with G. David Johnson, from May 1, 1987 to April 30, 1988.
- Susan Jo Mazer, Postdoctoral Fellow, University of California at Davis. "The Analysis of Ecological Correlates of Interspecific Seed Weight Variation," with Scott Wing, from January 1, 1987 to June 30, 1988.
- Frank H.L. McCormick, Predoctoral Fellow, University of Oklahoma. "Geographic Variation and Zoogeography of the Rainbow Darter, Etheostroma caeruleum," with Leslie Knapp, from July 1, 1987 to June 30, 1988.
- Thomas Allan Munroe, Postdoctoral Fellow, William and Mary College. "A Phylogenetic Study of the Flatfish Suborder, Soleoidea," with Richard Vari, from January 15, 1987 to January 14, 1988.
- Madhav Nagarkar, Postdoctoral Fellow, University of Poona. "On Asian Species of Thelotremaaceae, Their Relatives in the New World Tropics, and Cladistic Classification of the Family," with Mason Hale, from September 14, 1987 to September 13, 1988.
- Richard Terence O'Grady, Postdoctoral Fellow, University of British Columbia. "A Phylogenetic Study of the Co-evolution between Crocodylians and Some of their Nematode Gut Parasites," with W. Duane Hope, from April 1, 1987 to March 31, 1988.
- Thomas Pape, Predoctoral Fellow, University of Copenhagen. "A Systematic-Taxonomic Revision of Blaesoxopha Loew," with Wayne Mathis, from September 1, 1987 to August 31, 1988.
- Esther Peters, Visiting Scientist, University of Rhode Island. "Review of the Invertebrate Neoplasia Cases of Comparative Histopathology," with John Harshbarger, from September 1, 1987 to August 31, 1988.
- Michael D. Petraglia, Postdoctoral Fellow, University of New Mexico. "Natural Formation Processes and the Archeological Record," with Richard Potts, from September 1, 1987 to August 31, 1988.
- John James Pipoly III, Postdoctoral Fellow, City University of New York. "Phylogenetic Systematics and Biogeography of the Genus Cybianthus (Myrsinaceae)," with Vicki A. Funk, from July 1, 1987 to June 30, 1988.



- Ruth Pamela Reed, Postdoctoral Fellow, University of Miami.  
 "Occurrence and Characterization of Fine-grained Carbonate  
 Precipitates," with Ian MacIntyre, from June 1, 1987 to May 31, 1988.
- Scott Schaefer, Postdoctoral Fellow, University of Chicago. "Phyletic  
 Relationships of Scoloplax," with Stanley Weitzman, from  
 September 1, 1987 to August 31, 1988.
- Shi Xiaoying, Postdoctoral Fellow, Beijing Graduate School of Geology.  
 "Jurassic Brachiopod Fauna, Systematic and Paleobiogeography,"  
 with Richard Grant, from February 1, 1987 to January 31, 1988.
- Darrell J. Siebert, Postdoctoral Fellow, City University of New York.  
 "Interrelationships within the Family Cyprinidae," with  
 Richard Vari, from September 1, 1987 to August 31, 1988.
- Irene Silverblatt, Postdoctoral Fellow, University of Michigan.  
 "Andean Symbols of Colonization : The History of Santiago and  
 the Peruvian Mountain Gods," with William Merrill, from  
 August 1, 1987 to July 31, 1988.
- Claudia Sobrevilla, Postdoctoral Fellow, Harvard University.  
 "Phylogenetic Studies of the Subtribe Espeletiinae," with  
 Vicki Funk, from March 1, 1987 to February 28, 1988.
- Christopher K. Starr, Postdoctoral Fellow, University of Georgia.  
 "Phylogeny of Stenogastrine Wasps," with Karl V. Krombein, from  
 June 17, 1987 to June 16, 1988.
- Bruno Thomas, Postdoctoral Fellow, University of Paris. "Study of the  
 Sediments of Cores Located West of Lake Manzala in the Eastern  
 Nile Delta," with Daniel J. Stanley, from October 26, 1986 to  
 April 30, 1987.
- Debra Ann Willard, Graduate Student Fellow, University of Illinois.  
 "Correlation of Lycospora with Lycopod Cones : Compressions and  
 Anatomically Preserved Cones in Coal Balls," with William A.  
 DiMichele, from June 1, 1987 to August 7, 1987.

#### NATIONAL PORTRAIT GALLERY

- Barbara Day, Postdoctoral Fellow, University of California at Irvine.  
 "Political Figures in Popular Art of the Early National Period,"  
 with Wendy Wick Reaves, from September 1, 1987 to August 31, 1988.

NATIONAL ZOOLOGICAL PARK

Andrew Baker, Predoctoral Fellow, University of Maryland. "The Ecological and Evolutionary Basis of Group Living and Cooperative Breeding in the Golden Lion Tamarin (Leontopithecus rosalia rosalia)," with Devra Kleiman, from January 1, 1987 to December 31, 1987.

Theodore J. Grand, Senior Postdoctoral Fellow, University of California at Berkeley. "Patterns of Growth in the African Bovidae," with Richard Montali, from June 1, 1987 to March 15, 1988.

Susan M. Haig, Postdoctoral Fellow, University of North Dakota. "Population Management of Guam Rails and Micronesian Kingfishes," with Scott Derrickson, from September 1, 1987 to August 31, 1988.

Sara J. Iverson, Predoctoral Fellow, University of Maryland. "Comparative Study of Milk Liquids and Neonatal Gastric Lipid Digestion in Three Species of Pinnipeds," with Olav T. Oftedal, from February 1, 1987 to January 31, 1988.

Ann Miller, Predoctoral Fellow, Uniformed Services University of the Health Sciences. "Factors Influencing In Vitro Fertilization of the Domestic Cat," with David Wildt, from June 1, 1987 to May 31, 1988.

Sriyanie Miththapala, Graduate Student Fellow, Smith College. "Genetic Variation in Island Leopards," with John Seidensticker, from June 29, 1987 to September 4, 1987.

Michael L. Power, Predoctoral Fellow, University of California at Berkeley. "An Investigation of Food Transit Time and Digestive Efficiency in the Callitrichidae," with Benjamin Beck, from August 1, 1987 to July 31, 1988.

OFFICE OF ARCHITECTURAL HISTORY AND HISTORIC PRESERVATION

Steven McLeod Bedford, Predoctoral Fellow, Columbia University. "Photographs of Work by John Russell Pope," with Cynthia Field, from November 1, 1986 to April 30, 1987.

## OFFICE OF FOLKLIFE PROGRAMS

Harihar Prasad Bhattarai, Graduate Student Fellow, University of North Carolina at Chapel Hill. "Research for the Development and Presentation of a Nepalese Folk Life Festival," with Richard Kurin, from June 1, 1987 to August 7, 1987.

Olivia Cadaval-Bosserman, Predoctoral Fellow, George Washington University. "Performance and Ethnic Identity : The Festival of American Folklife and the Washington D.C. Latino Festival," with Peter Seitel, from June 1, 1987 to May 31, 1988.

## RESIDENT ASSOCIATES PROGRAM

Ruma Ahmad-Mirza, James E. Webb Fellow, Georgetown University. With Kathy Harmon, from September 1, 1987 to December 31, 1987.

## SMITHSONIAN ASTROPHYSICAL OBSERVATORY

Gianluigi Bodo, Visiting Scientist, University of Torino. "Thermal Instabilities in Magnetic Flux Tubes," with Robert Rosner, from May 9, 1987 to June 7, 1987.

Joao Braga, Predoctoral Fellow, Harvard University. "Experimental Research in High Energy Astrophysics," with Stephen Murray, from October 1, 1986 to September 30, 1987.

Leonardo Bronfman, Visiting Scientist, Columbia University. "Molecular Clouds in the Galaxy, North and South," with Patrick Thaddeus, from February 2 to March 14, 1987 and from August 8 to September 30, 1987.

Patricia Carral-Davila, Predoctoral Fellow, University of California at Berkeley. "Study of the Activity in the Nuclei of 'Normal' Galaxies," with Paul Ho, James Moran, and Mark Reid, from October 1, 1986 to September 30, 1987.

Bruce Carney, Short Term Visitor, University of North Carolina. "Halo Binaries," with David Latham, from August 6, 1987 to August 20, 1987.

Tomasz Chlebowski, Visiting Scientist, Warsaw University Observatory. "The X-Ray Properties of Hot Stars; X-Ray Spectroscopy of Cyg X-1; X-Ray and Optical Observations of HL CMA," with Harvey Tananbaum, from October 1, 1986 to September 30, 1987.

- Ara Chutjian, Visiting Scientist, California Institute of Technology.  
"Measuring the Absolute Cross Section for the Dielectronic Recombination Process in Triply Ionized Carbon," with John Kohl, from September 7, 1987 to September 25, 1987.
- John Cowan, Visiting Scientist, University of Oklahoma. "The Nucleosynthetic Production of Heavy Nuclei in Evolved Stars," with George Rybicki and A.G.W. Cameron, from August 1, 1987 to September 30, 1987.
- Ian Evans, Visiting Scientist, Space Telescope Science Institute.  
"Computer Photoionization/Shock-modelling of Astrophysically Interesting Cases of High Density Plasmas," with John Raymond, from July 5, 1987 to July 31, 1987.
- Guido Garay, Visiting Scientist, Harvard University. "Analysis and Publication of Radio Astronomical Data," with James Moran and Patrick Thaddeus, from May 13, 1987 to June 12, 1987.
- William R.S. Garton, Visiting Scientist, York University. "The Use of Synchrontron Light for VUV Spectroscopy of Molecules such as CO," with W.H. Parkinson, from May 16, 1987 to May 27, 1987.
- Gerard Gillanders, Predoctoral Fellow, University College, Dublin.  
"The Detection of Ultra-High Energy Gama Rays from Cygnus X-3 and Other Possible Sources such as Hercules X-1," with Trevor Weekes, from January 1, 1987 to August 31, 1987.
- Patrick Hartigan, Postdoctoral Fellow, University of Arizona.  
"Studies of T Taurus Stars," with Irwin Shapiro, from August 1, 1987 to July 31, 1988.
- Thomas Hartquist, Visiting Scientist, Harvard University. "Modelling of Dense Molecular Photodissociation Zones and Interstellar Hydroxyl Masers," with Alex Dalgarno, from February 2, 1987 to February 28, 1987.
- Philip Judge, Visiting Scientist, Oxford University. "Calculating Model Stellar Atmospheres Based on Sulphur Atomic Data," with Eugene H. Avrett, from July 18, 1987 to August 10, 1987.
- Laurent Koechlin, Visiting Scientist, University of Paris.  
"Development of Image Processing Techniques for Interference Fringe Detection," with Peter Nisenson, Wesley Traub, and Michael Shao, from November 1, 1986 to April 30, 1988.
- Lawrence Krauss, Visiting Scientist, Massachusetts Institute of Technology. "The Interface of Elementary Particle Physics and Cosmology/Astrophysics," with Alan Lightman, from November 1, 1986 to April 30, 1988.
- Ping-wai Kwok, Predoctoral Fellow, University of Arizona.  
"Observational and Experimental High Energy Cosmic Gamma Rays Using Atmospheric Cherenkov Technique," with Trevor Weekes, from September 1, 1987 to August 31, 1988.



- John Laird, Short Term Visitor, University of North Carolina.  
"Derivation of Metallicities Using Low Signal-to-Noise Digital Spectra," with David Latham, from August 2, 1987 to August 11, 1987.
- Yun-gang Liu, Short Term Visitor, Oklahoma State University. "A Study on the Relationship between Chandralls and CAI's in Meteorites," with John A. Wood, from August 18, 1987 to September 14, 1987.
- Patrick K. MacKeown, Visiting Scientist, University of Hong Kong.  
"Cosmic Ray Air Shower Physics," with Irwin Shapiro, from September 1, 1987 to September 15, 1987.
- Pablo Mauas, Predoctoral Fellow, Universidad de Buenos Aires. "Study of Si I Overionization and the Influence of the CO Molecule in the Radiative Balance of Chromospheric Levels," with Eugene Avrett, from November 1, 1986 to November 30, 1988.
- Zdzislaw Musielak, Short Term Visitor, University of Gdansk. "Study of Wave Generation and Propagation in the Solar Interior and Outer Atmosphere," with Leon Golub, from July 4, 1987 to July 8, 1987.
- Paul Reynolds, Visiting Student, University College, Dublin.  
"Development of a Gamma Ray Trigger at the Whipple Observatory," with Trevor Weekes, from January 7, 1987 to April 15, 1987.
- Barbara Ryder, Postdoctoral Fellow, Princeton University.  
"Calculations of the Properties of the Distribution of Galaxies which Form Random Phase Perturbation," with Irwin Shapiro, from September 1, 1987 to August 31, 1988.
- Steven Saar, Postdoctoral Fellow, University of Colorado. "A Detailed Study of Magnetic Fields in Late-type Dwarfs," with Leon Golub, from September 1, 1987 to August 31, 1988.
- Zdenek Sekanina, Short Term Visitor, Jet Propulsion Laboratory, California. "Cometary Science in the Post Halley Era," with B.G. Marsden, from August 25, 1987 to August 28, 1987.
- Amiel Sternberg, Visiting Scientist, Columbia University. "Infrared Response of a Dense Gas to an Intense Radiation Field," with Alex Dalgarno, from February 1, 1987 to October 15, 1987.
- P. Venkatakrishnan, Visiting Scientist, Bangalore University. "Solar Magnetic Flux Tubes; Interferometry; Helioseismology," with Robert Noyes and Peter Nisenson, from October 29, 1986 to December 10, 1986.

SMITHSONIAN ENVIRONMENTAL RESEARCH CENTER

- Christopher Barkan, Postdoctoral Fellow, State University of New York at Albany. "The Effect of Social Status and Competition on Chickadee Foraging Ecology," with James Lynch, from July 1, 1987 to June 30, 1988.

Martin Posey, Visiting Scientist, University of Oregon. "The Effects of Predation by Grass Shrimp on the Composition of Benthic Communities," with Anson Hines, from August 1, 1987 to July 31, 1988.

Parke A. Rublee, Senior Postdoctoral Fellow, North Carolina State University. "The Microbial Loop in the Rhode River Estuary : Role of Microzooplankton and the Effect of Suspended Sediments on Microzooplankton Predation," with Charles Gallegos, from June 1, 1987 to August 31, 1988.

Michael Anthony Shirley, Graduate Student Fellow, North Carolina State University. "Selective Pressures Affecting Habitat Selection by Premolt Male and Prepubertal Female Blue Crabs During Ecdysis," with Anson Hines, from June 2, 1987 to August 7, 1987.

Mark Southerland, Postdoctoral Fellow, University of North Carolina. "Behavioral Ecology of Coexisting Generalist Ant Species," with James Lynch, from January 1, 1987 to June 30, 1987.

#### SMITHSONIAN MARINE STATION AT LINK PORT

John Kilar, Postdoctoral Fellow, Dalhousie University. "Functional Morphology of Sargassum polycertium," with Mark Littler and Diane Littler, from December 1, 1986 to November 30, 1987.

#### SMITHSONIAN TROPICAL RESEARCH INSTITUTE

Jaime Cavalier, Noyes Fellow, University of Cambridge. "The Cost of Growth and Maintenance of Fine-root Systems in Tropical Mountain and Lowland Rainforests," with Alan Smith, from August 15, 1987 to March 15, 1988.

Jae Chun Choe, Predoctoral Fellow, Harvard University. "Social Evolution and Mating System in Zoraptera," with William Eberhard, from October 15, 1986 to May 15, 1988.

William James Davis, Postdoctoral Fellow, University of Texas. "Study of Parental Investment Strategies in Neotropical Kingfishers," with Martin Moynihan, from December 1, 1986 to November 30, 1987.

Philip DeVries, Postdoctoral Fellow, University of Texas. "The Biology and Evolution of an Association, and Nectar Feeding in Larval Rionid Butterflies," with Donald Windsor and Steven Hubbell, from September 1, 1987 to August 31, 1988.

Theodore Robert Dudley, Postdoctoral Fellow, University of Cambridge. "Aerodynamics of Butterfly flight," with Neal Smith, from May 1, 1987 to April 30, 1988.

- Andrew Green, Graduate Student Fellow, Oxford University. "Does Foraging Success Determine the Mating Success of Male Tungara Frogs?," with Stanley Rand, from July 7, 1987 to September 11, 1987.
- Kevin Patrick Hogan, Postdoctoral Fellow, University of Illinois. "The Effects of Sunflecks on Growth and Survival of Tropical Tree Seedlings," with Alan Smith and Steven Hubbell, from October 1, 1986 to September 30, 1987.
- David John Hughes, Postdoctoral Fellow, University of Wales. "Genetic and Environmental Correlates of Polymorphism in Marine Cheilostome Bryozoa," with J.B.C. Jackson, from June 1, 1987 to May 31, 1988.
- Roberto Ibanez, Noyes Fellow, University of Connecticut. "The Reproductive Behavior and Energetics of Glass Frogs, Genus Centrolenella," with A. Stanley Rand, from May 1, 1987 to April 30, 1988.
- Dominique Irvine, Postdoctoral Fellow, Stanford University. "Examination of the Regional Variation in Indigenous Resource Management by the Runa Indians of the Ecuadorian Amazon," with Olga Linares, from February 1, 1987 to January 31, 1988.
- Jane Molofsky, Graduate Student Fellow, University of Illinois. "The Effect of Litterfall on Germination of Neotropical Tree Seedlings," with S. Joseph Wright, from June 6, 1987 to August 7, 1987.
- Giselle Mora, Noyes Fellow, University of Florida. "Exclusive Male Parental Care in the Harvestmen Zygopachilus albomarginus (Arachnida Opiliones : Gonyleptidae)," with Donald Windsor, from July 1, 1987 to December 31, 1988.
- Steven Gaines Morgan, Postdoctoral Fellow, University of Maryland. "Field and Lab Studies of Reproductive and Larval Ecology of Brachyuran Crabs," with John Christy, from December 1, 1986 to November 30, 1987.
- Anthony Ranere, Senior Postdoctoral Fellow, University of California at Davis. "Environment, Human Settlement and Subsistence in the Seasonal Tropics of Central Panama : The Last 10,000 Years," with Richard G. Cooke, from September 1, 1987 to August 31, 1988.
- Hugh Sweatman, Postdoctoral Fellow, MacGuire University. "Predatory Behavior of Some Coral Reef Fishes," with Ross Robertson, from March 1, 1987 to February 29, 1988.



## INTERNSHIPS AND OTHER APPOINTMENTS

The Smithsonian offers internships and other appointments to visiting undergraduate and graduate students, and museum professionals. The interns—listed by bureau or office—in this Appendix began their appointments between October 1, 1986 and September 30, 1987. Holders of special awards and participants in special programs are so listed. Where possible, the institutions attended, a brief description of the project undertaken, and the duration of appointment are given for each intern.

### ANACOSTIA MUSEUM

- Kim Connor, High School. Exhibits Department, assisted in the development and process of an exhibit, produced materials and displays, June 29, 1987 through August 14, 1987.
- Marion A. Gill, Bachelors Candidate, Fisk University. Design and Exhibits Departments, assisted with graphic drawings and location of vendors for "Climbing Jacob's Ladder..." exhibit; helped to schedule videos and coordinate flyer and invitation printing; helped organize a museum design office, March 3, 1987 through July 17, 1987.
- Amy Grey, Bachelors Candidate, Brown University. Education Department, researched origin of Juneteenth Day, how it is celebrated across the country, and suggested how a plan might be implemented for a celebration next summer, July 6, 1987 through August 14, 1987.
- Isabel Mendoza, Visiting Professional, Museo del Hombre. Studied exhibition production techniques as practiced at large and small museums, September 29, 1987 through August 30, 1988.
- Reynise Mann, Bachelors Candidate. Education Department, assisted professional staff, July 12, 1987 through August 15, 1987.

### ARCHIVES OF AMERICAN ART

- James M. Huttlinger, Bachelors Candidate, University of Maryland. Searched archival files for exhibit-related information, June 12, 1987 through September 15, 1987.

### ARTHUR M. SACKLER GALLERY AND FREER GALLERY OF ART

- Katharine D. Cheek, Bachelors Candidate, Connecticut College. Department of Design and Installation, assisted in preparation of art, graphs, copy, charts, etc. for screen printing reproductions; assisted with painting of armatures and object mounts, assisted with organizational details and clean-up, June 1, 1987 through August 15, 1987.
- Victoria M. Corbeil, Bachelors Candidate, Smith College. Assisted in cataloging American paintings, August 24, 1987 through December 31, 1987.
- Paul I. Song, Bachelors Degree, University of Wisconsin. Registrar's Office, cataloged curatorial records, researched and updated files, prepared related material for catalogs, and worked on database for the Sackler Gallery, June 1, 1987 through August 14, 1987.
- Ellen Willenbecher, Masters Candidate, George Washington University. Educa-



tion Office, worked on areas of education in cooperation with George Washington University, January 12, 1987 through May 1, 1987.

Amy L. Wright, Bachelors Degree. Assisted lighting specialist in design and installation of exhibit lighting in Sackler and Freer Galleries, unpacked and took inventory of fixtures, relamping, daily light checks, June 23, 1987 through September 28, 1987.

#### BUSINESS MANAGEMENT OFFICE

Michael Hicks. Museum Shops, assisted in development of displays and decorations for museum shops, June 29, 1987 through August 14, 1987.

Toni Wilkerson. Museum Shops, assisted in development of displays and decorations, June 29, 1987 through August 14, 1987.

#### CONSERVATION ANALYTICAL LABORATORY

Michele E. Hamill, Bachelors Degree, Oberlin College. Paper Laboratory, compiled bibliography of paper conservation-related projects; conserved Victorian folding screen and researched light bleaching of paper, June 1, 1987 through May 31, 1988.

Laura Gail Hazlett, Bachelors Degree, University of Alberta. Textile Laboratory, assisted in conservation of 19th century American flags, May 18, 1987 through July 24, 1987.

Jeffrey C. Kimball, Masters Candidate, University of London, Institute of Archaeology. Objects Laboratory, assisted with archaeological conservation of lime plaster statues from Ain Ghazal, Jordan, July 13, 1987 through September 18, 1987.

Esther Méthé, Masters Candidate, University of Alberta. Textile Laboratory, assisted with conservation of 19th-century American flags, May 18, 1987 through July 24, 1987.

Kathryn Pease, Bachelors Candidate, Converse College. Archaeometry, studied the correlation of stylistic and physical science data dealing with Maya ceramic vessels, June 1, 1987 through July 31, 1987.

Theresa Power, Masters Candidate, University of Delaware/Winterthur Museum. Objects Laboratory, assisted with conservation of George Washington statue, June 1, 1987 through July 24, 1987.

Rosemarie Selm, Bachelors Degree, student at Textile Conservation Centre, Hampton Court Palace, England. Textile Laboratory, assisted with conservation and storage of 19th century American flags, July 6, 1987 through September 4, 1987.

Deborah Schoeps, Graduate, Istituto per Arte e il Restauro, Florence, Italy. Paintings Laboratory, examined and treated Smithsonian collections, October 1, 1986 through April 30, 1987.

Jill Sigman, Bachelors Candidate, Princeton University. Textile Laboratory, assisted with conservation and storage of 19th-century American flags, July 6, 1987 through September 4 1987.

#### COOPER-HEWITT MUSEUM OF DESIGN AND DECORATIVE ARTS

Diana Alper, Masters Candidate, Columbia University. Library, surveyed rare book collection, June 1, 1987 through August 21, 1987.

- Yolanda Avila, Bachelors Candidate, Rutgers University. Library, maintained rare book collection, June 8, 1987 through December 31, 1987.
- Betsy Biern, Bachelors Candidate, Mount Holyoke College. Department of Textiles, assisted with collections management, January 5, 1987 through January 30, 1987.
- Leslee Browning, Bachelors Candidate, State University of New York. Programs, assisted with program administration and planning, September 16, 1987 through December 31, 1987.
- Bernd H. Dams, Bachelors Candidate, RWTH Aachen, Germany. Director's Office, performed publication research, October 31, 1986 through April 30, 1987.
- Marianne Ertberg, Museum Professional, Danish Museum of Decorative Art. Studied collections management techniques, April 2, 1987 through May 1, 1987.
- Jeanne Faton, Bachelors Degree, University of Lyon II. Department of Decorative Arts, assisted with French decorative art and furniture, October 17, 1986 through April 15, 1987.
- John Febbo, Bachelors Candidate, State University of New York at Buffalo. Exhibitions, installed exhibitions, June 8, 1987 through August 14, 1987.
- Elaine Glusac, Masters Candidate, University of Michigan. Development, performed management research June 8, 1987 through August 14, 1987.
- Margaret Goehring, Bachelors Candidate, Oberlin College. Special Events and Department of Wallcovering, planned events and maintained collections, June 8, 1987 through August 14, 1987.
- Teresa M. Heady, Masters Candidate, Fashion Institute of Technology. Department of Textiles, assisted with textile conservation, December 17, 1986 through December 31, 1987.
- Diane Kessler, Masters Candidate, University of Alberta. Department of Textiles, assisted with textile conservation, January 5, 1987 through September 30, 1987.
- Usha Kutty, Bachelors Candidate, Smith College. Programs, studied the planning and administration of programs, June 8, 1987 through August 14, 1987.
- Marv Marvin, Bachelors Candidate, Moore College of Art. Department of Textiles, assisted with collection maintenance June 1, 1987 through August 14, 1987.
- Juan Mila, Bachelors Candidate, Bennington College. Exhibitions, assisted in the preparation of the Gaudi Exhibition, January 5, 1987 through March 2, 1987.
- Beth E. Posner, Bachelors Candidate, Cornell University. Business Office, assisted with office administration, December 22, 1986 through January 31, 1987.
- Paige Roberts, Bachelors Candidate, Princeton University. Exhibitions, performed maps exhibition research, June 8, 1987 through August 21, 1987.
- Jessica Rudin, Bachelors Degree, Oberlin College. Exhibitions, performed festivals exhibition research June 8, 1987 through December 31, 1987.
- Lorna Ryan, Bachelors Candidate, Camberwell School of Art. Library, assisted with the rare books collection, June 8, 1987 through August 14, 1987.
- Ulrike Schonfeldt, Bachelors Candidate, Freie Universitat of Berlin. Department of Drawings and Prints, assisted with collections management, July 11, 1987 through September 15, 1987.
- Sofia Vecchio, Bachelors Candidate, Oberlin College. Drawings and Prints, assisted with collection maintenance and exhibition research, June 8, 1987 through July 31, 1987.
- John Willmann, Masters Candidate, City University of New York. Shop Opera-



tions, assisted with product development, January 15, 1987 through May 15, 1987.

#### DIRECTORATE OF INTERNATIONAL ACTIVITIES

- Douglas W. Bell, Bachelors Candidate, George Mason University. Division of Programs, conducted research for the Asian Pacific American Heritage Week exhibition, November 10, 1986 through March 10, 1987.
- Andreanna E. Kounas, Bachelors Candidate, University of Kansas. Office of Service and Protocol, updated profile of Smithsonian Institution international research activities published by the Directorate of International Activities, February 12, 1987 through May 15, 1987.
- Maggie Mak, Bachelors Candidate, Williams College. Office of Service and Protocol, compiled foreign visitor orientation project, June 15, 1987 through July 31, 1987.
- Michael E. Martin, Bachelors Candidate. Division of Programs, conducted research for tropical forest exhibition June 30, 1987 through August 3, 1987.

#### HIRSHHORN MUSEUM AND SCULPTURE GARDEN

- Emily L. Carroll, Bachelors Candidate, Maryland Institute, College of Art. Department of Exhibits and Design, assisted with putting up exhibitions and also assisted in the performance of other various related duties, June 8, 1987 through August 15, 1987,
- Sandra R. Donner, Foxcroft High School. Department of Education and Library, assisted professional staff in both the Education Department as well as the library, March 9, 1987 through March 27, 1987.
- Elizabeth M. Klein, Bachelors Candidate, Dartmouth College. Public Affairs Office, internship in public relations department, June 8, 1987 through August 21, 1987.
- Stefania Lucamante, Ph.D Candidate, University of Cagliari and the University of Rome. Department of Painting and Sculpture, worked on archival material, November 24, 1986 through February 20, 1987.
- Mark Murray, High School. Exhibits Office, assisted in the development and process of an exhibit; produced materials and displays, June 28, 1987 through August 14, 1987.
- Henriette Schroder, Bachelors Degree, American University. Department of Education, conducted educational research and assisted with docent training, September 21, 1987 through December 18, 1987.
- Karla Smith, High School. Exhibits Office, assisted in the development and process of an exhibit; produced materials and displays, June 29, 1987 through August 14, 1987.
- Harriet S. Stern, Bachelors Degree, Kenyon College. Office of Education, conducted educational evaluation research, June 15, 1987 through August 21, 1987.
- India Joan Swayze, High School, Madeira School. Office of Education, assisted with the docent program, September 30, 1987 through May 30, 1988.
- Melissa Welch, Bachelors Candidate, Oberlin College. Department of Painting and Sculpture, organized Armory Show papers and did curatorial research, June 8, 1987 through August 15, 1987.

## JOSEPH HENRY PAPERS

- Julia C. Ross, Bachelors Candidate, University of Michigan. Compiled information on Smithsonian employees, 1846-1878, May 11, 1987 through July 31, 1987.
- Lee Anna Schwartz, Bachelors Candidate, Harvard University. Studied the Smithsonian chemical laboratory, 1846-1884, June 1, 1987 through August 7, 1987.
- Steven B. Stoll, Bachelors Candidate, University of California at Berkeley. Examined Smithsonian-Patent Office relations, 1846-1878, June 1, 1987 through August 8, 1987.

## NATIONAL AIR AND SPACE MUSEUM

- Douglas G. Castenson, Visiting Professional. Collections Management, assisted with computer data base and researched educational materials, June 30, 1987 through July 31, 1987.
- John Chadwick, Bachelors Degree. James Madison University. Center for Earth and Planetary Studies, generated topographic profiles for lunar ridges and anticlinal ridges of the Columbia Plateau; made a systematic search for high-resolution Viking orbiter images, June 8, 1987 through August 14, 1987.
- David P. Collins, High School. Office of Exhibits, assisted professional staff, June 7, 1987 through July 11, 1987.
- Steven Cramer, High School. Office of Exhibits, assisted professional staff, July 12, 1987 through August 14, 1987.
- Diane K. Froyd, Bachelors Candidate, East Carolina University. Garber Facility, Archival Support Center, reviewed literature on care, handling, and storage of large-format drawings, inventoried the Archival Support Center's drawings, and developed a plan for storage and retrieval, June 8, 1987 through August 18, 1987.
- John Green, Bachelors Degree, Gallaudet University. Photo Laboratory, assisted with operation of the laboratory, May 26, 1987 through July 13, 1987.
- Deidra M. Hailes, Bachelors Candidate, Virginia State College. Garber Facility, Archival Support Center, assisted with clerical duties, computer and document collections, microfilm collection; and met the public, June 29, 1987 through August 14, 1987.
- Charles Hyatt, High School. Langley Theater, assisted theater staff with scheduling, film projection, usher scheduling, general theater administration, and crowd control, June 29, 1987 through August 14, 1987.
- Joanna Karp, Bachelors Candidate, Gallaudet University. Photo Laboratory, aided laboratory operations, June 2, 1987 through August 10, 1987.
- Sharon J. Kelley, Bachelors Candidate. Gallaudet University. Photo Laboratory, learned photography lab techniques, January 28, 1987 through April 30, 1987.
- Brian D. Larrick, Bachelors Candidate, East Carolina University. Garber Facility, Archival Support Center, reviewed reels of film in the Archives collection for content and condition, and entered findings in a microfilm index; also assisted with reference and research use of microfilm collections, June 8, 1987 through August 12, 1987.
- Donna M. Lord, Masters Candidate, Georgia College. Garber Facility, Archival Support Center, undertook preliminary processing of open reel audio tapes and prepared abstracts for each tape; then combined tape inventory sheets



and abstracts into a finding aid for the collection, June 8, 1987 through August 14, 1987.

Derek H. Marble, Bachelors Candidate, Utah State University. Garber Facility, assisted with restoration and preservation of on-going projects including assembly, disassembly, reassembly, rework, painting, and chemical treatment and preservation of all components of selected aircraft and spacecraft, June 8, 1987 through August 14, 1987.

Trina R. Maslowski, Bachelors Candidate, George Washington University. Office of Exhibits, executed preliminary designs for an art catalog and helped with miscellaneous assignments, January 20, 1987 through May 1, 1987.

Leslie McNeal, High School. Office of Education, helped with the development of Education Resource Center, general office duties, June 29, 1987 through August 14, 1987.

Delano McRavin, High School. Garber Facility, assisted with clerical duties; operated personal computer to enter data regarding master lists of transportation usage, June 29, 1987 through August 14, 1987.

I. David Muhlbaum, Bachelors Candidate, Middlebury College. Office of Public Affairs, wrote press releases and articles for the in-house newspaper, did photographic research for various brochures and press events, assisted with the promotion of a new gallery installation, participated in over-all daily operation of a museum press office and assisted with duties in the Special Events office, June 8, 1987 through August 14, 1987.

Alexander Pak, High School. Information Management, assisted professional staff, July 12, 1987 through August 14, 1987.

Julie B. Simon, Bachelors Candidate, Vassar College. Space Science and Exploration, assisted in archival processing of the James E. Webb papers, June 8, 1987 through August 14, 1987.

Lynn Sloan, High School. Library, assisted professional staff, June 7, 1987 through July 11, 1987.

M. Kirk Stevenson, Masters Candidate, George Washington University. Office of Education, assisted in developing education programs, January 12, 1987 through April 27, 1987.

Scott R. Stienke, Bachelors Candidate, American University. Office of Education, assisted in the development of the Education Resource Center by compiling written and audiovisual resource materials; assisted in planning and executing teacher workshops, June 8, 1987 through August 14, 1987.

Mitchell Alan Yockelson, Masters Candidate, George Mason University. Library, arranged and described the Lawrence Lovell Jr. Collection and performed a survey of Ramsey Rare Book Room, May 18, 1987 through August 14, 1987.

Karl E. Werner, Bachelors Candidate, Villanova University. Office of Exhibits, completed "as built" drawings for projects completed in the year, drafted plans for proposed exhibits, researched new lighting equipment for various projects, devised plans of existing electrical circuits on the computer for future use and assisted in gallery installation and maintenance, June 8, 1987 through August 14, 1987.

#### NATIONAL MUSEUM OF AFRICAN ART

Sarah Ashton, Masters Candidate, Colgate University. Department of Education and Research, organized and cataloged art objects for the Department of Education; prepared outreach kits, workshop materials and slide kits for teachers, September 8, 1987 through December 4, 1987.

Brenda Chalfin, Bachelors Degree, Amherst College. Curatorial and Photographic

- Archives, researched exhibitions and cataloged archival material, October 1, 1986 through December 31, 1986.
- Keith M. Conway, Bachelors Candidate, University of the District of Columbia. Assisted with the conservation of archaeological artifacts, March 30, 1987 through December 31, 1987.
- Marie Durquet, Bachelors Candidate, University of California at Davis. Curatorial, researched future exhibitions, June 29, 1987 through August 21, 1987.
- Winona Hubbard, Bachelors Candidate, University of California at Berkeley. Office of Public Affairs, gathered, prepared and presented information for public and press use, July 13, 1987 through August 18, 1987.
- Anita W. McNamee, Masters Degree. Office of Public Affairs, assisted with programs for 1987 museum opening, which included list development and writing a newswire feature, etc., January 7, 1987 through March 31, 1987.
- Henry Thaggert, III, Bachelors Degree, Tulane University. Department of Education and Research, prepared educational materials for the docent program, August 3, 1987 through August 28, 1987: Aided in writing a handbook for the new wing of the National Museum of African Art, June 1, 1987 through July 31, 1987.
- Stryk D. Thomas, Bachelors Candidate, University of Michigan. Photographic Archives, cataloged and researched, June 1, 1987 through August 11, 1987.

#### NATIONAL MUSEUM OF AMERICAN ART

- Beth Almanza, Bachelors Candidate, University of Texas at Austin. Curatorial, assisted with folk art collection, June 1, 1987 through August 21, 1987.
- Paula Artal-Isbrand, Bachelors Degree, Bridgewater College. Participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.
- Renée Ater-Roberts, Bachelors Degree, Oberlin College. Department of Graphics, researched information for contemporary pastel exhibition, June 8, 1987 through August 7, 1987.
- George Benoit, Masters Candidate, Howard University. Participated in all aspects of the museum's graduate internship program, September 15, 1986 through December 8, 1986.
- David Burnhauser, Masters Candidate, Virginia Commonwealth University. Office of Intern Programs, Participated in all aspects of the museum's graduate internship program, September 8, 1986 through December 8, 1986.
- Thereza Crowe, Masters Candidate, University of St. Andrews. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.
- Alice Dewys, Masters Candidate, George Washington University. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 8, 1986 through April 24, 1987.
- Anne A. Edwards, Masters Candidate, Southern Methodist University. Participated in all aspects of the museum's graduate internship program, January 12, 1987 through April 24, 1987.
- Suzanne Fauteux, Masters Candidate, Columbia College, Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 8, 1986 through May 8, 1987.
- Marjorie S. Flintom, Masters Candidate. Curatorial, researched bibliographies



- for proposed exhibition of contemporary work in American pastels, February 9, 1987 through May 15, 1987.
- David Gallalee, Masters Candidate, University of Virginia. Department of Graphic Arts, participated in all aspects of the museum's graduate internship program, June 1, 1987 through July 31, 1987.
- Richard Hamilton, University of East Anglia. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.
- Jason Horowitz, Masters Degree, Virginia Commonwealth. Department of Graphic Arts, participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.
- Emil Her Many Horses, Bachelors Degree. Renwick Gallery, assisted with "Lost and Found Traditions" exhibition, September 1, 1987 through November 30, 1987.
- Tonia Horton, Masters Degree, College of William and Mary. Participated in all aspects of the museum's graduate internship program, January 13, 1986 through December 7, 1986.
- Anne P. Kamstra, Masters Candidate, George Washington University. Office of Public Programs, assisted professional staff, January 12, 1987 through April 24, 1987.
- Anne-Louise Marquis, Masters Candidate, George Washington University. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 8, 1986 through April 24, 1987.
- Albert Marshall, Bachelors Candidate, University of Delaware/Winterthur Museum. Department of Conservation, assisted with various aspects of conservation, June 1, 1987 through August 21, 1987.
- Alan R. McMann, Masters Candidate, George Washington University. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 8, 1986 through April 24, 1987.
- Jean Morrissey, Masters Candidate, American University. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 8, 1986 through May 30, 1987.
- Margaret Morse, Bachelors Degree, New Mexico State University. Office of Public Programs, participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.
- Oriskany Oldham, Bachelors Candidate. Library, assisted professional staff, July 13, 1987 through August 15, 1987.
- Susan Pitney, Bachelors Candidate, Penn State. Office of Intern Programs, assisted with docent programs in Office of Museum Programs, September 8, 1986 through December 8, 1986.
- Barbara Rawlins, Bachelors Candidate, Wellesley College. Curatorial, assisted with the permanent collection, June 1, 1987 through July 31, 1987.
- Michael Reed, Bachelors Candidate, George Mason University. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.
- Lisa Regier, Bachelors Candidate, Smith College. Office of Museum Programs, assisted with all aspects of museum programs, June 1, 1987 through July 31, 1987.
- Marianna Robin, Bachelors Degree, DePaul University. Office of the Registrar, obtained an overview of functions of the Registrar's Office, June 2, 1986 through July 25, 1986.
- Amy Schichtel, Bachelors Candidate, University of Arizona. Office of Design and Preparation, participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.

- Erin M. Shea, George Mason University. Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 25, 1987 through December 31, 1987.
- Courtenay Smith, Bachelors Candidate, Franklin & Marshall College. Office of the Registrar, assisted in all aspects of Registrar's Office, June 1, 1987 through July 31, 1987.
- Carole Starr, Bachelors Candidate, Mount Holyoke College. Office of Museum Programs, assisted with public programs, June 1, 1987 through July 31, 1987.
- Ruth Sudweeks, Masters Candidate, Office of Intern Programs, participated in all aspects of the museum's graduate internship program, September 8, 1986 through April 24, 1987.
- Joanne Thompson, Bachelors Candidate, Bowdoin College. Office of Museum Programs, assisted in the Office of Museum Programs, June 1, 1987 through July 31, 1987.
- Elizabeth Weglein, Masters Candidate, American University. Department of Painting and Sculpture, participated in all aspects of the museum's graduate internship program, September 11, 1987 through December 31, 1987.
- Peter A. R. Wilson, Bachelors Degree, Kenyon College. Office of Design and Preparation, assisted with Renwick exhibitions and overview of design and production functions, October 1, 1986 through December 31, 1987.
- Stephanie Yoffee, Bachelors Candidate, Rhode Island School of Design. Office of Design and Preparation, assisted in all aspects of design and production, June 1, 1987 through July 31, 1987.

#### NATIONAL MUSEUM OF AMERICAN HISTORY

- Nina J. Ahuja, Visiting Professional. Design Division, Department of Exhibits and Public Spaces, assisted the design of Japanese Internments Exhibit others requiring graphic design, June 1, 1987 through August 31, 1987.
- Darlene Alberty, Bachelors Degree, Tyler School of Art. Department of Exhibits and Public Spaces, assisted in the fabrication and installation of various exhibit elements within the Exhibit Production Shop, September 10, 1987 through December 10, 1987.
- Dixie R. Alperin, Bachelors Degree, University of Maryland. Department of Social and Cultural History, assisted with collections management, April 6, 1987 through July 16, 1987.
- Caroline D. Alyea, Bachelors Degree, Princeton University. Division of Graphic Arts, assisted professional staff, December 1, 1986 through April 1, 1987.
- Karen Andrade, Bachelors Candidate, Smith College. Division of Costume, assisted with Men and Women: Dressing the Part - Great Expectations, The 19th Century, August 24, 1987 through December 31, 1987.
- Ken Arnold, Ph.D Candidate, Princeton University. Department of the History of Science and Technology, researched for "A Material World" exhibition, and assisted in cataloging, measuring, and documenting objects, September 4, 1987 through June 30, 1988.
- John D. Barbry, Visiting Professional. American Indian Program, assisted in producing a slide/tape educational package on the Seneca exhibit, and a program on Iroquois lacrosse; researched materials for a resource kit on Indians and the U.S. Constitution, April 27, 1987 through October 30, 1987.
- Carol E. Barton, Bachelors Candidate, Rhodes College. Division of Transporta-



- tion, compiled a bibliography relating to the railroad and other duties, June 22, 1987 through August 7, 1987.
- Wendy Barton, Bachelors Candidate, University of Idaho. Smithsonian Archives Center, assisted professional staff, June 7, 1987 through July 11, 1987.
- Julieann Bell, Bachelors Candidate, Bowling Green State University. Public Affairs, handled press and public inquiries, disseminated information to press and the public, June 8, 1987 through August 13, 1987.
- Jesse Berrett, Bachelors Candidate, University of Michigan. Department of the History of Science and Technology, studied the history of the 1970's and 1980's computer revolution, June 1, 1987 through July 31, 1987.
- Victor Bibbins, High School. Department of Exhibits and Public Spaces, assisted in customizing work for mountings, casings, working with plexiglas, involving use of tablesaw, power tools, hand saws, drills and adhesives, June 28, 1987 through August 14, 1987.
- Kathryn A. Bolinger, Bachelors Candidate, Texas Christian University. Department of Exhibits, assisted professional staff, June 7, 1987 through July 11, 1987.
- Tracy K. Breslin, Bachelors Candidate, Georgetown University. Division of Medical Sciences, helped arrange two guides to Women's History, June 1, 1987 through July 12, 1987.
- Mary Louise Brown, Visiting Professional, University of Missouri at St. Louis. Division of Political History, worked on Life in America exhibit "American Empire," January 5, 1987 through March 6, 1987.
- Christina Bulanti, Bachelors Candidate, Santa Clara University. Division of Graphic Arts, assisted in aspects of design - publication, layout and printing, September 17, 1987 through December 4, 1987.
- Chris S. Cameron, Bachelors Candidate, Miami University at Oxford, Ohio. Division of Domestic Life, assisted a museum specialist, participated in rehousing collections, maintained "After the Revolution" and processed new accessions, May 26, 1987 through August 13, 1987.
- Diane Carson, Ph.D Candidate, St. Louis University. Office of Telecommunications, assisted producer on film and video projects; preproduction, production and postproduction elements such as location surveys, filming and videotaping, footage research, logging and editing, August 3, 1987 through September 1, 1987.
- Catherine A. Carter, Bachelors Degree, Kenyon College. Divisions of Community Life and Armed Forces History, assisted with Superman exhibition installation and crowd-control, collection management, exhibit and collection improvement and maintenance, including background research, June 16, 1987 through August 31, 1987.
- Joan M. Casey, Bachelors Degree, University of Florida. Office of the Registrar, trained in record system, loan and special exhibits programs, objects processing, packaging, shipping, storage, inventory and computer applications, January 27, 1987 through May 12, 1987.
- Maurice Chesley, High School. Office of the Registrar, performed minor clerical work such as data entry; identification and numbering of objects, June 29, 1987 through August 14, 1987.
- Ryan L. Christensen, Bachelors Candidate, Illinois State University. History of Science and Technology, assisted with "A More Perfect Union: Japanese Americans and the U.S. Constitution" exhibition, June 1, 1987 through July 30, 1987.
- Edward Christian, High School. Department of Exhibits and Public Spaces, assisted in customizing work for mountings and casings, working with plexi-

- glas, using table saw, power tools, hand saws, drills, and adhesives, June 29, 1987 through August 14, 1987.
- Jason Clayton, Gonzaga High School. Office of the Registrar, assisted with data entry, identification, and numbering objects, June 29, 1987 through August 14, 1987.
- Pamela J. Clodfelter, Bachelors Degree. Department of Conservation, studied environmental monitoring and conservation treatment, November 10, 1986 through June 26, 1987.
- Karen Cooper, Bachelors Candidate, American University. Office of Public Affairs, served as project liason with curator, September 17, 1987 through December 4, 1987.
- Jerold Council, Bachelors Degree. Department of Public Programs, prepared paste-ups and mechanicals in graphic design, June 29, 1987 through August 21, 1987.
- Joseph Cravotta, Bachelors Candidate, Franklin and Marshall College. Division of Musical Instruments, researched for book on Hoagy Carmichael, June 1, 1987 through July 24, 1987.
- Arlyn S. Danielson, Masters Candidate, George Washington University. Division of Political History, assisted in all aspects of curatorial and object processing work, May 7, 1987 through August 14, 1987.
- David Des Roches, Bachelors Candidate, St. Anselm College. Department of Public Programs, researched topics relating to the Presidents and photograph collections in the National Archives, Martin Luther King Library, and the Library of Congress, September 17, 1987 through December 4, 1987.
- Charles Diesen, Museum Professional, Minnesota Historical Society. Department of Conservation, researched for conservation condition survey/archaeologic collection, assessed needs of the collections and produced a research paper, March 2, 1987 through April 10, 1987.
- Gloria Domínguez, Bachelors Candidate, Texas A & M University. Department of the History of Science and Technology, cataloged and documented exhibits in genetic engineering and artificial organs, June 1, 1987 through August 7, 1987.
- Gerald Drake, High School. Department of Public Programs, assisted with the documentation of pertinent activities at the museum, June 29, 1987 through August 14, 1987.
- Ilana D. Drucker, Bachelors Candidate, University of Michigan. Division of Political History, researched and maintained "We The People," including take-down, 19th-century research, June 1, 1987 through August 5, 1987.
- Jeri Dyson, High School. Program in Black American Culture, assisted the program coordinator, and helped in the development and planning of future programs, and performed archival work, June 29, 1987 through August 14, 1987.
- Alan D. Eisler, Bachelors Candidate, Cornell University. Division of Political History, worked on President's project, June 9, 1987 through August 15, 1987.
- William R. Ellis, Jr., Bachelors Candidate, University of Maryland. Public Programs, assisted on Public Programs project with Phillips museum, May 19, 1987 through August 28, 1987.
- Eric C. Engleman, High School, Robinson High School. Division of Armed Forces History, focused on collections project and helped set up the Constitution exhibit, June 22, 1987 through August 22, 1987.
- Janet English, Masters Candidate, State University of New York. Department of Conservation, surveyed European and American prints in the Division,



- June 1, 1987 through August 15, 1987: assisted with paper conservation, July 27, 1987 through August 20, 1988.
- Kieran Eustace, Bachelors Candidate, St. Francis College. National Numismatic Collection, cataloged medals and researched photo journal, September 8, 1987 through December 18, 1987.
- Lisa Falk, Masters Candidate, George Washington University. American Indian Program, assisted with public programs, educational activities, and exhibit related research, January 12, 1987 through April 23, 1987.
- Alice A. Forbes, Bachelors Candidate, Smith College. Department of the History of Science and Technology, researched the history of technology as an academic discipline, August 24, 1987 through December 31, 1987.
- Alachia Foster, High School. Department of Public Programs, assisted intern and fellowship coordinator, clerical work, filing, tracking applications, prepared orientation material and coordinated special activities for interns and fellows, June 29, 1987 through August 14, 1987.
- Michelle Fresia, Bachelors Candidate, Smith College. Division of Ceramics and Glass, worked on exhibition dealing with the department store of the 19th century, September 8, 1987 through December 15, 1987.
- Chari Fykes, High School. Department of Social and Cultural History, assisted with data collection and entry, and filing and typing to create a computerized database of Afro-American materials in the collection, June 29, 1987, through August 14, 1987.
- Gayle Gibson, Bachelors Degree, Abilene Christian University. Division of Agriculture and Natural Resources, assisted in final installation of "Official Images" exhibition, and helped coordinate a project titled "An Oral History of Southern Agriculture," June 4, 1987 through August 1, 1987.
- Paula Gibson, Bachelors Candidate, Brown University. Department of Science and Technology, assisted in rehousing rare book material from the Jackson collection, and helped organize and rehouse uniform collection, May 26, 1987 through July 31, 1987.
- Helene C. Gillette, Masters Degree. Department of Conservation, developed art conservation skills, September 14, 1987 through September 14, 1988.
- Karen Golden, Bachelors Candidate, Siena College. Department of Public Programs, served as Assistant Intern Coordinator, February 12, 1987 through April 30, 1987.
- Terry Goldsworthy, Bachelors Candidate, Indiana University at Bloomington. Division of Political History, researched American Presidency 1789-1989 exhibit and assisted in collections processing, July 12, 1987 through August 15, 1987.
- Andrea Goldwyn, Bachelors Candidate, University of Pennsylvania. Divisions of Graphic Arts and Computers, worked on printing demonstration in "After the Revolution" and researched discoveries of major computer pioneers, June 1, 1987 through August 15, 1987.
- Renee L. Gonzalez, Bachelors Candidate, Scripps College. Office of Public Affairs, served as media coordinator for the office, February 5, 1987 through May 8, 1987.
- Paul D. Gosselin, Bachelors Candidate, American University. Office of Public Programs, gathered information and prepared press releases; maintained contact with the press and updated mailing lists, September 17, 1987 through December 4, 1987.
- Anne D. Grace, Bachelors Candidate, American University. Division of Political History, assisted in locating and researching pictorial images and union emblems for exhibit entitled "Images of Labor," February 5, 1987 through May 15, 1987.

- Lisa K. Graddy, Bachelors Degree, Texas Tech University. Office of the Registrar, assisted with collection management, June 15, 1987 through December 18, 1987.
- Robin A. Graham, Masters Candidate, Howard University. Department of Social and Cultural History, compiled and analyzed database of Afro-American items for Index project, June 1, 1987 through August 14, 1987.
- Jennifer L. Greathouse, Bachelors Candidate, Smith College. Program in Black American Culture, researched and interviewed for conference on Black American migration, June 1, 1987 through July 31, 1987.
- Brigitta Hack, Masters Candidate, Joanne-Gutenberg University. Division of Domestic Life, prepared a checklist of patent models, cataloged, cleaned, numbered, photographed, measured and described models, February 9, 1987 through April 3, 1987.
- Heather L. Hagopian, Bachelors Candidate, College of Wooster. Office of Public Programs, assisted intern coordinator; facilitated placement and orientation of interns, June 1, 1987 through July 31, 1987.
- Birdie L. Harlan, Bachelors Candidate, University of North Carolina. American Indian Program, researched a bibliography of Indian medicine and agriculture, June 1, 1987 through August 14, 1987.
- Christopher T. Haze, High School Graduate. Office of Public Programs, assisted professional staff, July 13, 1987 through August 15, 1987.
- James B. Hay, Masters Degree, Queen's University. Department of Conservation, surveyed guitar collection and learned procedures for conserving musical instruments, furniture, and other artifacts made primarily of wood, August 28, 1987 through December 18, 1987.
- Julie Ann Herman, Bachelors Candidate, American University. Office of Public Programs, assisted in Program of Hispanic American History, September 8, 1987 through December 18, 1987.
- Meredith K. Hobbs, Bachelors Candidate, University of Georgia. Division of Political History, researched the southern history portion of "Great Expectations" - upcoming exhibition, September 8, 1987 through December 11, 1987.
- Winona Hubbard, Bachelors Candidate, University of California at Berkeley. Office of Public Affairs, gathered, prepared, and presented information for public and press usage, June 8, 1987 through July 10, 1987.
- Suzanne Hubbell, High School Graduate. Office of Printing and Photographic Services, assisted professional staff, June 7, 1987 through July 11, 1987.
- Sharman E. Jacoby, Bachelors Candidate, Amherst College. Division of Armed Forces History, assembled permanent catalog of Civil War uniforms collection: researched files at Archives and Library of Congress and applied research to objects for identification and documentation, May 18, 1987 through June 26, 1987.
- Karen M. Jenkins, Bachelors Candidate, Metropolitan State College. Archives Center, worked on "Field to Factory" exhibition, organized and maintained archives for exhibit, answered public inquiries, conducted oral interviews and conducted research, June 1, 1987 through August 21, 1987.
- Eileen E. Joseph, Bachelors Candidate, Bucknell University. Department of Public Programs, worked on American Sampler Series, June 3, 1987 through August 28, 1987.
- Maurine D. Keller, Madeira High School. Division of Transportation, worked on rehousing ship plans, October 1, 1986 through May 31, 1987.
- John M. Kennedy, Bachelors Candidate, Colgate University. Department of Social



- and Cultural History, worked on 19th-century exhibit project, prepared a research paper, January 5, 1987 through January 29, 1987.
- Martha E. Kesler, Bachelors Candidate, St. Olaf College. Division of Community Life, assisted in the development of a Hispanic American History Program/ facilitating information flow, February 2, 1987 through May 12, 1987.
- Sarah Kinard, High School. Archives, researched processing and organization of the archival collection, June 29, 1987 through August 14, 1987.
- Christine Kreamer, Bachelors Candidate, University of Delaware. Department of Public Programs, served as Assistant Intern and Fellows Coordinator, March 26, 1987 through April 30, 1987.
- Susan K. Lana, Bachelor's Degree, Mills College. Internship Office, assisted in the development and maintenance program to recruit and successfully place interns in the museum; maintained current rosters of interns and fellows while developing special programs to further the knowledge of the functions and structures, etc., May 1, 1987 through September 30, 1987.
- Mary H. Leavell, Bachelors Candidate, University of Texas at San Antonio. Division of Community Life, worked on Superman exhibition, June 1, 1987 through July 31, 1987.
- Dana Leventhal, Bachelors Degree, University of California at Berkeley. Department of Social and Cultural History, researched Greek Revival architecture in 19th-century America and studied the origins and influence of balloon frame houses in America, September 8, 1987 through December 15, 1987.
- Stephanie G. Lipscomb, Bachelors Candidate, Smith College. Archives Center, researched the History of Stereoscopic 3-D Photography, August 27, 1987 through December 31, 1987.
- Miguel A. Longo, High School, St. Stephen's. Division of Community Life, assisted with "Superman, Many Lives, Many Worlds"; also provided research for technical and collections management support, May 4, 1987 through May 19, 1987.
- Erma Jean Loveland, Masters Candidate, Abilene Christian University. Archives Center, processed manuscript collections, rehoused Warshaw Collection and learned word processing and SIBIS data base, April 27, 1987 through May 29, 1987.
- James E. Malaro, Bachelors Candidate, Washington and Jefferson College. Division of Political History, researched Whig Convention in Baltimore in 1844, December 29, 1986 through January 28, 1987.
- Emily S. Martin, Bachelors Candidate, University of Maryland. Department of Public Programs, assisted the publications officer, and helped coordinate a direct mail poster project, which included all phases of publication, May 26, 1987 through August 28, 1987.
- Lisa Mathai, Bachelors Candidate, American University. Department of Public Programs, investigated visitor behavior in and reactions to three exhibitions: "After the Revolution," "Engines of Change," and "Field to Factory," September 14, 1987 through December 18, 1987.
- Marian Matrician, Masters Degree. Department of the History of Science and Technology, researched project on the history of the National Museum of American History as reference to the position of science and technology, June 9, 1987 through August 30, 1987.
- Wesley C. Mattie, Museum Professional, Canadian Museum of Civilization. Registrar's Office, worked on collections management manual, February 17, 1987 through May 15, 1987.
- Susana Measelle, Bachelors Candidate, George Washington University. National

- Numismatics Collections, recorded information on design, weight, color, and year of government medals, July 8, 1987 through July 31, 1987.
- Isabel Mendoza, Visiting Professional, Museo del Hombre. Department of Exhibits, obtained an overview of exhibition production techniques as employed at large and small museums, September 29, 1987 through August 30, 1987; Division of Conservation, studied the programs and services of the Smithsonian Institution, October 7, 1986 through October 7, 1987.
- Valerie M. Mendoza, Bachelors Candidate, The Johns Hopkins University. Division of Community Life, researched Hispanic studies, June 1, 1987 through August 21, 1987.
- Thomasine M. Miles, Bachelors Degree, University of the District of Columbia. Office of Public Affairs, assisted with the preparation of news releases and public service announcements, researched information, disseminated press releases, fielded media requests, June 1, 1987 through August 2, 1987.
- Rod Milstead, High School, Georgetown Day School. Department of Exhibits and Public Spaces, researched for "A More Perfect Union: The Japanese-American Experience During World War II," April 27, 1987 through May 25, 1987.
- Kelly McBrearty, High School Graduate. Division of Electricity and Modern Physics, assisted professional staff, July 12, 1987 through August 15, 1987.
- Kathy McKoy, Masters Degree. Division of Ceramics and Glass, assisted with interpretation and furnished of two 1805 and 1870s' parlors; to be part of 19th century "Life in America" exhibition, August 3, 1987 through August 28, 1987.
- John H. McWhorter, Masters Candidate. Department of Public Programs, helped with publicity, researched in performing arts-oriented public programs and exhibitions, February 9, 1987 through May 1, 1987.
- Susan J. Mertz, Masters Candidate, George Washington University. Division of Costume, worked on costume conservation -- projects related to "Men and Women" exhibit opening in 1989, January 1, 1987 through April 30, 1987.
- Holly Mitchell, Bachelors Candidate, Smith College. Division of Political History, assisted in research on women during the progressive era, August 27, 1987 through December 31, 1987.
- Mary Mockovak, Bachelors Candidate, DePauw University. Office of Public Affairs, assisted professional staff, February 5, 1987 through May 8, 1987.
- Mona Morris, Bachelors Degree, University of California at Santa Barbara. Archives Center, researched and cataloged collections, September 21, 1987 through December 11, 1987.
- Stella Nair, Bachelors Candidate, Cornell University. Computers, Information and Society, produced archival and collection searches, researched relevant photographs, June 22, 1987 through August 15, 1987.
- Jessica Nicoll, High School. Division of Electricity and Modern Physics, worked on geographical organization of Ham Station QSL cards received from around the world, July 21, 1987 through August 14, 1987.
- Robert Norbrey, High School. Division of Graphic Arts, assisted in cataloging antique type, assisted with introducing the public to print and press, June 29, 1987 through August 14, 1987.
- Elizabeth O'Rourke, Masters Candidate, University of Kansas. Division of Costume, assisted with research and preparatory tasks for "Men and Women: Dressing the Part"; studied the 1912 dance scene for proper stance, hairstyles, accessories, etc., located items in collections to accompany garments; preparatory tasks included making accurate reproduction underwear, May 18, 1987 through August 15, 1987.
- Ted Osgood, High School. Archives Center, aided research in processing and



- organizing the archival collection, June 29, 1987 through August 14, 1987.
- Stacey Otte, Bachelors Candidate, Arizona State University. Division of Domestic Life, assisted with rehousing collections and with maintenance of exhibit "After the Revolution", processed new accessions including cleaning, storing and numbering objects, June 1, 1987 through August 7, 1987.
- David Pearson. High School Graduate. Division of Military History, assisted professional staff, June 7, 1987 through July 11, 1987.
- Lisa A. Pertillar, Bachelors Candidate, Smith College. Program in Black American Culture, assisted with gathering information for a conference on museum outreach to minorities, June 7, 1987 through July 11, 1987.
- Carole L. Planicka, Bachelors Candidate, College of William and Mary. Department of Public Programs, assisted in direct mail poster project, prepared camera-ready mechanicals for museum publications, June 8, 1987 through August 29, 1987.
- Kate Prinsley, Visiting Professional. Registrar's Office, worked on the collections of the "1876" exhibition, September 21, 1987 through December 18, 1987.
- Natalie M. Rebar, Bachelors Candidate, University of Maryland. Department of Public Programs, was responsible for design and paste-up of brochures and other small publications concerning department activities; filled mail-order requests, assisted with administrative requirements, September 9, 1987 through December 2, 1987.
- Elizabeth Regier, Bachelors Candidate, Smith College. Division of Ceramics and Glass, researched domestic space in late 19th-century America, September 8, 1987 through December 22, 1987.
- Yevette Richards, Masters Candidate, Yale University. Program in Black American Culture, conducted oral history interviews connected with the Afro-American migration project, June 1, 1987 through July 31, 1987.
- Jessica Richter, Bachelors Degree. Department of Public Programs, assisted with research in the Performance Division, October 8, 1986 through December 31, 1986.
- Beth A. Richvine, Bachelors Candidate, State University College at Buffalo. Department of Conservation, worked in objects conservation, September 14, 1987 through August 14, 1988.
- Victoria A. Rocha, Bachelors Candidate, Trinity College. Office of Public Affairs, responded to press and public inquiries, supervised film crews, wrote press releases etc., February 4, 1987 through May 8, 1987.
- Jonathan Rodriguez, Bachelor of Fine Arts Candidate, Maryland College of Art and Design. Department of Exhibits and Public Spaces, assisted in the development and processing of an exhibit, produced materials and displays, June 29, 1987 through August 13, 1987: helped to produce 442; in "A More Perfect Union," August 14, 1987 through September 4, 1987.
- Lois Rohlfing, Bachelors Candidate, University of Nebraska at Lincoln. Division of Textiles, worked with 18th and 19th century textiles, cataloged textiles and related materials, June 8, 1987 through August 12, 1987.
- Beth Ann Rondeau, Bachelors Candidate, Michigan Technological University. Division of Medical Sciences, photographed medical instruments and laboratory researchers for future exhibit, June 7, 1987 through July 11, 1987.
- Christine Russell, Bachelors Candidate. Office of Public Programs, filed in the audio-visual library, compiled "Programs" notebook, July 13, 1987 through August 15, 1987.
- Julie A. Schafer, Bachelors Candidate, Cornell University. Office of Educa-



- tion, supported in Hands on History Room, helped with testing of activity kits made by the Education Office, June 3, 1987 through August 5, 1987.
- Kimberly Schenk, Masters Candidate, University of Delaware/Winterthur Art Conservation Program. Department of Conservation, conservation treatment of photographic album, June 3, 1987 through July 31, 1987.
- Dana Sergent, Bachelors Candidate, Bowling Green State University. Division of Community Life, assisted in the maintenance of an exhibit, worked on Superheroes symposium and sport costumes collection, cataloged and accessioned collections, September 8, 1987 through December 18, 1987.
- Carol Sexton, Visiting Professional. Department of Exhibits, assisted with exhibit and publication design, October 14, 1986 through January 30, 1987.
- Robert Shanklin, High School. Office of Telecommunications, assigned various tasks and duties associated with the production of audio-visual presentations: movies, videos, and radio broadcasts, June 29, 1987 through August 14, 1987.
- Mumia Shimaka-Mbasu, Ph.D Candidate, Howard University. Archives Center, assisted with archival organization and administration, June 6, 1986 through March 28, 1986.
- Jonathan Shipler, Bachelors Candidate, Middlebury College. Division of Engineering and Industry, researched and assisted with photographing and preservation of Bond Shop tools, June 1, 1987 through August 15, 1987.
- David R. Simmons, High School, The Prairie School. Department of Public Programs, assisted with "American Sampler" and "Palm Court Cameos" programs, March 9, 1987 through March 20, 1987.
- Thomas R. Sixbey, Bachelors Candidate, Johns Hopkins University. Archives Center, processed Arab-American manuscript collections, June 1, 1987 through September 1, 1987.
- Sarah M. Smith, Bachelors Candidate, Smith College. Archives Center, assisted with photographs and oral histories for book on Field to Factory exhibit, August 24, 1987 through December 31, 1987.
- Valerie Smith, Masters Degree, University of Delaware. Department of Public Programs, served as Assistant Intern coordinator, and developed programs Fall 1987 interns, September 23, 1987 through December 18, 1987.
- Jennifer L. Soden, Bachelors Candidate, University of Oregon. Division of Medicine, assisted curator on "Search for Life: The Development of Genetic Technologies in 20th C. America" exhibition, March 17, 1987 through August 14, 1987.
- William Southerland, Bachelors Candidate, University of Bridgeport. Office of the Director, assisted in completion of a variety of administrative projects, June 29, 1987 through August 14, 1987.
- Jennifer L. Spence, Bachelors Candidate, Florida Southern University. Division of Electricity and Modern Physics, entered computer data for photographic index and mounted, labeled and fixed historic photographs, June 8, 1987 through July 31, 1987.
- Brent L. Sterling, Bachelors Candidate, Princeton University. Division of Political History, researched political history; worked on collections and acquisitions planning for 1988 presidential election material, June 1, 1987 through August 7, 1987.
- Kathleen Stewart, Bachelors Candidate, Lynchburg College. Division of Armed Forces History, cataloged 19th-century collection of foreign uniforms and insignia and prepared documentation of files, May 20, 1987 through August 7, 1987.

- Todd Dean Stockwell, Bachelors Candidate, Ohio State University. Division of Agriculture and Natural Resources, worked with appropriate conservation techniques practiced by the museum, evaluated trade literature collection, provided assistance, June 22, 1987 through September 15, 1987.
- Yoonjoo Strumfels, Masters Candidate, University of Delaware. Division of Conservation, assisted with the conservation of graphic arts, June 8, 1987 through July 31, 1987.
- Leah M. Sullivan, Bachelors Candidate, Holy Cross. Division of Political History, researched 19th century American life, September 2, 1987 through December 8, 1987.
- Dwight W. Swanson, Bachelors Candidate, University of Colorado. Division of Political History, researched material for the "Images of Labor" exhibition, June 1, 1987 through July 31, 1987.
- Moira Thomas, Bachelors Candidate, University of Massachusetts. Division of Engineering and Industry, research assistant on the Bond's of Boston Project, June 2, 1987 through August 14, 1987.
- Alison Tilghman, Bachelors Candidate, Smith College. Division of Medical Sciences, researched recent innovations in medicine, August 24, 1987 through December 31, 1987.
- Dawn Tinoco, High School. Department of Social and Cultural History, sorted and numbered objects such as antique type, use of the printing press; projects tailored to the skills of the museum aide, June 29, 1987 through August 14, 1987.
- Julie Vergamini, Bachelors Candidate, Smith College. Division of Political History, studied 19th-century business cycles, August 24, 1987 through December 31, 1987.
- Jennifer Vigil, Bachelors Candidate, University of Wisconsin. American Indian Program, conducted photo and archival research on Native American Women and Native American history, June 15, 1987 through August 21, 1987.
- Mary Clare Wallace, Bachelors Candidate, Lake Forest College. Division of Domestic Life, assisted with collections management, January 5, 1987 through April 20, 1987.
- Marjorie Weaver, Visiting Professional. Department of Exhibits and Public Spaces, designed small exhibits, helped with graphic aspects of design, produced drafting drawings, exhibit preparations, printing and light carpentry, July 27, 1987 through July 31, 1988.
- Nancy P. Webster, Masters Candidate, North Carolina State University. Department of Exhibits and Public Spaces, assisted with exhibition design, January 28, 1987 through May 12, 1987.
- Carrie Weems, Masters Candidate, University of California at Berkeley. Archive Center, worked on paper on "Images of Labor in America", photographed and reported on various collections, June 1, 1987 through July 3, 1987.
- Gail S. Weiss, Bachelors Candidate, American University. Registrar's Office, assisted with shipping, loans, packaging and computer applications, January 29, 1987 through May 15, 1987.
- Kelly Welch, Bachelors Degree. Department of the History of Science and Technology, assisted in collections management in cataloging, marking and storing 450 transistors; integrated circuits and related objects; assisted staff in the Division of Electricity and Modern Physics in photograph filing project, September 28, 1987 through December 22, 1987.
- Brian Wescott, Ph.D Candidate, Yale University. American Indian Program, re-worked broadcasts from Smithsonian radio into educational tapes, and researched films for an Indian Film Festival, June 15, 1987 through August 21, 1987.



- Elizabeth D. White, Madeira High School. Division of Transportation, assisted with rehousing ship plans, October 1, 1986 through May 31, 1987.
- Mark D. White, Bachelors Candidate, Howard University. Division of Medical Sciences, performed 18th-19th-century American patent medicine cataloging, June 22, 1987 through July 24, 1987.
- Jocelyn A. Young, Bachelors Candidate, Smith College. Division of Graphic Arts, studied 19th-century women in industry, August 24, 1987 through December 31, 1987.
- Joan M. Zenzen, Masters Candidate, University of Michigan. Division of Political History, researched material for the exhibit "Life in 19th century America, series of research reports on westward expansionism in 19th-century America", June 29, 1987 through August 14, 1987.

#### NATIONAL MUSEUM OF NATURAL HISTORY

- Amelia M. Adams, Masters Candidate, Smith College. Department of Anthropology, did microscopic toothwear analysis, June 1, 1987 through August 14, 1987.
- Lawrence A. Alice, Bachelors Degree. Department of Botany, did curation of small families, November 2, 1986 through December 23, 1986.
- Kristina M. Arnold, Bachelors Candidate, Illinois State University. Department of Anthropology, prepared a bibliography of The Plains' Sun Dance Ceremony, September 9, 1987 through November 28, 1987.
- Andres Aslan, Bachelors Degree. Department of Paleobiology, detailed sedimentological analyses used for paleoecological reconstructions of Cenozoic terrestrial etc., October 6, 1986 through June 30, 1987.
- Dana Bahar, Bachelors Degree, Smith College. Department of Mineral Sciences, processed a collection of volcano photographs recently donated to the Global Volcanism Program by Carnegie Institution's Geophysical Laboratory, June 1, 1987 through August 21, 1987.
- Christopher Bailey, Bachelors Candidate, College of William and Mary. Department of Botany, studied chenopodaceae and Rosaceae curation, December 19, 1986 through January 2, 1987.
- Patricia Barlow, Masters Candidate, University of New Mexico. Department of Botany, computerized Herbarium, December 29, 1986 through January 14, 1987.
- Christine Bertels, Bachelors Candidate, George Washington University. Department of Botany, worked in the Marine Algae Laboratory, May 26, 1987 through September 31, 1987.
- Elizabeth Bick, Bachelors Candidate, Stockton State College. Department of Botany, did marine algae curation, January 23, 1987 through May 8, 1987.
- Kim Bookard, High School. Department of Botany, worked on plant collections management; assisted with processing in-coming and out-going collections, June 29, 1987 through August 14, 1987.
- Michael G. Brown, Bachelors Candidate, Colorado College. Department of Botany, did marine algae studies, June 8, 1987 through July 31, 1987.
- Christopher T. Conti, Bachelors Candidate, Howard University. Department of Entomology, generated hypothesis of phylogenetic relationships among populations of soldier flies, June 1, 1987 through August 21, 1987.
- Carol M. Cummings, University of Michigan. Department of Anthropology, researched African cultural transmissions, June 1, 1987 through August 21, 1987.
- Denise M. Decker, Bachelors Candidate, Shippensburg University. Department of



- Mammals, did a phylogenetic study of the species Procyonidae (mammalia, carnivora), January 29, 1987 through May 7, 1987.
- Margaret F. Dinse, Bachelors Candidate, Indiana University. Department of Botany, studied flora of the Guianas, May 26, 1987 through July 31, 1987.
- Jean Elsasser, Masters Degree. Anthropology Archives, worked on Education Outreach Program for Columbus Quincentenary planning, assisted with fund-raiser and budget, etc., February 25, 1987 through April 27, 1987.
- Mitra Fattahipour, Bachelors Degree. Department of Mineral Sciences, did volcanic hazard assessment in Chile, November 17, 1986 through February 13, 1987.
- Susan M. Folkerth, Bachelors Candidate, Texas A & M University. Department of Vertebrate Zoology, researched evidence from fossils and museum skin collections to study extinction in Hawaiian birds, June 2, 1987 through August 14, 1987.
- Jess Freidenburg, Bachelors Candidate, Portland State University. Department of Anthropology, assisted professional staff, June 7, 1987 through July 11, 1987.
- J. Phil Gibson, Bachelors Candidate, Oklahoma State. Department of Botany, did solanaceae curation, May 26, 1987 through July 31, 1987.
- Victoria Godwin, Bachelors Degree, Florida State. Department of Botany, processed Marine algae, May 26, 1987 through July 31, 1987.
- Orit Gover, Masters Candidate, George Washington University. Office of Education, worked with museum education in cooperation with George Washington University, January 12, 1987 through April 30, 1987.
- Margaret Hangan, Bachelors Candidate, Pitzer College. Department of Anthropology, worked on Paleo-Indian artifacts and analyzed mammal bones, June 1, 1987 through August 21, 1987.
- Susan Harrington, Masters Candidate, University of Maryland. Department of Mineral Sciences, assisted in study of volcanology, May 26, 1987 through July 31, 1987.
- Steward Adams Hill, Bachelors Candidate, Roanoke College. Department of Paleobiology, studied Pompeii plant material, May 26, 1987 through June 19, 1987.
- Tracy E. Hippensteel, Bachelors Candidate, Pennsylvania State University. Department of Botany, studied marine algae, May 26, 1987 through July 31, 1987.
- Flavio P. Hinojosa, Universidad Mayo da San Andras. Vertebrate Zoology, collected mammals and birds in Panama, February 16, 1987 through June 5, 1987.
- Rosemary Hooper, Masters Candidate, University of Arizona at Tucson. Discovery Room, assisted with general management and developed educational material for use in the Discovery Room; maintained existing material: and worked with school groups, September 14, 1987 through April 30, 1988.
- Gustavo Hormiga, Masters Degree. Department of Entomology, studied scientific illustration techniques, April 27, 1987 through September 30, 1987.
- Tanya L. Jackson, Masters Candidate, American University. Department of Botany, worked on an ethnobotanical exhibition and assisted with a palm bibliography book, February 12, 1987 through June 1, 1987.
- Bridget A. Jones, Masters Degree, University of Kansas. Department of Anthropology, worked on bibliographies and collection documentation, June 1, 1987 through Septemer 1, 1987.
- Paul Jung, Bachelors Candidate. Department of Vertebrate Zoology, assisted professional staff, July 13, 1987 through August 14, 1987.

- Karen Laun, Bachelors Degree. Office of Education, worked on educational material for use by docents, teachers and the public, September 15, 1987 through January 1, 1988.
- Jeanne Leone, Bachelors Candidate. Office of Telecommunications, assisted professional staff, July 13, 1987 through August 15, 1987.
- Sabrina Lewis, High School. Museum Support Center, set up insect traps, collected data by monitoring environment, apparatus, or temperature and hy-  
perthermographics, June 29, 1987 through August 14, 1987.
- Lauri Mackelburg, Bachelors Candidate, Shippensburg University. Department of Invertebrate Zoology, researched platyrrhine biogeography, September 18, 1987 through December 18, 1987.
- Suely A. Marques, Masters Degree. Department of Vertebrate Zoology, trained in bat systematics, May 15, 1987 through August 13, 1987: bats of Parastate (Brazil): an account of the species and natural history; reviewed Ailibilus lituralus, August 1, 1987 through October 15, 1987.
- Melissa Martin, Bachelors Candidate. Office of Exhibits, assisted professional staff, July 12, 1987 through August 15, 1987.
- June Mauceri, Bachelors Candidate, State University of New York at Binghamton. Department of Botany, performed gesneriaceae cultivation, June 1, 1987 through July 31, 1987.
- Ann R. Meyer, Bachelors Candidate, College of William and Mary. Department of Botany, did curation of : Schrophulariaceae and Boraginaceae, December 29, 1986 through January 14, 1987.
- Dawnita Neconie, High School. Department of Anthropology, prepared a catalog of the Smithsonian collections from the Kiona people of Oklahoma, September 8, 1987 through November 30, 1987.
- John A. Nissenbaum, Bachelors Degree. Physical Anthropology, studied evolution of Pleistocene Econosystems, November 18, 1986 through May 17, 1987.
- Ann S. Oliver, Bachelors Candidate, William and Mary College. Department of Invertebrate Zoology, dissected and identified multiple characters of the squid family Chirotenthididae, June 15, 1987 through September 14, 1987.
- Marceline Pascuzzi, Bachelors Candidate, Indiana University of Pennsylvania. Office of Education, assisted with public programs, visitors, collection management and specimen preparation training, June 1, 1987 through August 7, 1987.
- Sasikala Pattabhiraman, Bachelors Candidate. Department of Botany, assisted professional staff, July 13, 1987 through August 14, 1987.
- Patricia J. Perry, Bachelors Candidate, University of Maryland. Exhibits, computed graphic design using terminals at University of Maryland Campus; drafted floor plans; illustrated artifacts; created displays, June 1, 1987 through August 31, 1987.
- Radhika Philip, Bachelors Candidate, Smith College. Department of Anthropology, researched and archived photographs for the HANDBOOK OF NORTH AMERICAN INDIANS, September 9, 1987 through December 15, 1987.
- Luther J. Raechal, Bachelors Degree. University of Wisconsin at Stevens Point. Department of Botany, studied flora of the Guianas, worked as assistant intern coordinator, May 20, 1987 through May 26, 1987.
- Ang Robinson. Office of Education, wrote a grant proposal for outreach project targeting Southeast Asians, children and adults in the District of Columbia, Maryland and Virginia, May 27, 1987 through December 31, 1987; completed education internship in cooperation with George Washington University, January 12, 1987 through April 30, 1987.
- Kathy Rupp, Bachelors Candidate. Department of Invertebrate Zoology, compu-



- terized a list of the shells of Hawaiian tree snails, June 15, 1987 through August 14, 1987.
- Rebecca Schlott, Bachelors Candidate, Emory University. Department of Botany, filed Gramineae, December 29, 1986 through January 14, 1987.
- Scott Schultz, Bachelors Candidate, Kansas State University. Office of Exhibits, assisted staff, June 7, 1987 through July 11, 1987.
- Whitney A. Seymour, Bachelors Candidate, Mount Holyoke College. Office of Education, assisted with public programs and participated in summative evaluation of Micronesian exhibition, May 26, 1987 through August 2, 1987.
- Thalassa W. Skinner, Bachelors Degree, Yale University. Anthropology, assisted in paleoanthropological research, March 9, 1987 through May 1, 1987.
- Kelly Lynn Sobczak, Bachelors Candidate, Allegheny College. Office of Exhibits, assisted professional staff, June 7, 1987 through July 11, 1987.
- Orlo Colin Steele, Bachelors Degree, University of California at Santa Barbara. Department of Botany, studied endangered plants, March 15, 1987 through September 30, 1987.
- Thomas C. Stein, Bachelors Candidate, Washington University. Department of Mineral Sciences, assisted in the development and integration of the Global Volcanism Program's computer files of volcanological data, June 1, 1987 through July 31, 1987.
- I. Wayan Suanda, Masters Candidate, Bali Museum. Department of Anthropology, worked on collections management project and other works in the ethnographic collections, September 10, 1987 through December 18, 1987.
- Patricia C. Taylor, Masters Candidate, Howard University. Department of Botany, collected flora of Guyana; was in Guyana from June to August 1987, March 13, 1987 through August 31, 1987.
- Susan Van Gundy, Bachelors Candidate. Marine Systems Laboratory, assisted professional staff, July 13, 1987 through August 15, 1987.
- I-Ming Wang, Masters Candidate, Indiana State University. Department of Botany, performed solanceae curation, May 26, 1987 through July 31, 1987.
- Doris S. Warriner, High School Graduate, St. Timothy's School. Department of Anthropology, helped with public inquiries, putting information materials on the word processor, and recording photographic negative numbers on catalog cards, May 14, 1987 through June 4, 1987.
- Sonja Webb, Masters Degree. Department of Anthropology, researched crossroads of continents, July 6, 1987 through July 31, 1987.
- Wilhelmina S. Weyer, High School, Holton-Arms School. Department of Vertebrate Zoology, studied causes of variations in symmetry of rodent's skeletons, May 18, 1987 through June 5, 1987.
- Chandra White, High School. Department of Anthropology, filed, copied, and proofread for the Handbook of North American Indians, June 29, 1987 through August 14, 1987.
- Melanie Wilcox, High School. Office of Exhibits, assisted in the maintenance, interpretation and feeding of insects, June 29, 1987 through August 14, 1987.
- Margaret Wood, Bachelors Candidate, University of Michigan. Office of Education, assisted in fossil shell classification, July 6, 1987 through August 19, 1987.
- T. Ajit Younger, Bachelors Candidate, University of Waterloo. Department of Botany, did gramineae curation, June 29, 1987 through July 31, 1987.

#### NATIONAL PORTRAIT GALLERY

Beatrice E. Bachmann, Bachelors Candidate, Georgetown University. Assisted



- with research on radio and TV personnel of the 20's and 30's, October 22, 1986 through May 31 1987.
- Kimberly Beynum, Duke Ellington High School of the Fine Arts. Assisted in the Building Management Office, helped with scheduling and served as receptionist, June 8, 1987 through July 7, 1987.
- Jane Bierman, Bachelors Degree, Colorado College. Department of Prints and Photographs, organized Meserve Collection negatives, June 15, 1987 through August 31, 1987.
- Clare C. Franklin, Wellesley College. Conducted biographical research and performed exhibits work for exhibition on broadcasting pioneers, May 20, 1987 through August 28, 1987.
- M. Claire Garrett, Bachelors Candidate, Vanderbilt University. Assisted in organization of gifts and exchange materials, vertical file collection and auction catalogue, June 2, 1987 through August 8, 1987.
- Kellie M. Gaudry, Bachelors Candidate, Hollins College. Assisted in production of gallery graphics, January 5, 1987 through January 30, 1987.
- Leslie A. Gray, Masters Degree, George Mason University. Developed secondary school program on the Constitution and the Presidency, June 9, 1987 through October 31, 1987.
- Carola Haden, Bachelors Degree, Drury College. Assisted staff in operation of research office, verified photographic data, labeled integrating information and performed research for staff and public, June 15, 1987 through August 14, 1987.
- Mary E. Hale, Bachelors Candidate, Virginia Commonwealth University. Office of Design and Production, implemented new vertical plan storage and filing system for drawings; became familiar with role of exhibits work, June 5, 1987 through August 14, 1987.
- Mary Herrington, Masters Degree, Marymount College. General library work: bibliographic GEAC computer; handled organization of Special Collections, October 16, 1986 through November 15, 1987.
- Jill Heyman, Masters Candidate, George Washington University. Office of Education, assisted in marketing programs and promoting the Portrait Gallery and its activities, January 12, 1987 through May 1, 1987.
- Audrey Hollett, Bachelors Degree, University of California at Riverside. Office of Education, developed outreach material for conservation program and updated school mailing list, June 29, 1987 through August 28, 1987.
- Jack Holliday, Masters Degree, University of Dayton. Office of Education, was a research coordinator, researched and wrote drafts for "The Constitution and the Presidency," July 6, 1987 through July 31, 1987.
- Russell Jackson, Bachelors Candidate. Office of the Historian, assisted professional staff, July 13, 1987 through August 15, 1987.
- Leah Ligon, Bachelors Candidate, University of Arkansas at Fayetteville. Assisted with organizing gifts and exchange material, vertical file collection and auction catalogs, May 26, 1987 through July 3, 1987.
- Carol J. McCullough, Bachelors Candidate, Hollins College. Assisted in production of gallery graphics, January 5, 1987 through January 30, 1987.
- Lisa M. Melchiori, Bachelors Candidate, George Mason University. Office of Prints and Photographs, researched items in the Meserve Exhibit, January 21, 1987 through May 15, 1987.
- Kimberly R. Meldrun, Bachelors Candidate, University of Michigan. Department of Exhibits, started information gathering for a database system, June 3, 1987 through August 3, 1987.
- Christine Multra, Bachelors Candidate, Gallaudet University. Library, assisted professional staff, July 13, 1987 through August 15, 1987.

- Paula Pergament, Bachelors Candidate, Earlham College. Office of Education, initiated information gathering for a database system; was responsible for data entry, June 22, 1987 through August 14, 1987.
- Mary I. Peters, High School, Sidwell Friends School. Office of Prints and Photographs, conducted biographical research on some drawings by S.T. Woolf which date from the 1920's through the 1940's, May 13, 1987 through June 4, 1987.
- Elizabeth Peterson, Bachelors Candidate, Connecticut College. Catalog of American Portraits, verified photographic data, labeled, integrated data into master file, did research, responded to general reference questions, June 1, 1987 through August 21, 1987.
- Sylvie-Anne Robinson, Masters Candidate, George Washington University. Office of Education, designed and developed brochure on programs for adult audiences; executed grants for monetary support for publications and distribution, January 12, 1987 through May 1, 1987.
- Margot C. Sklar, Bachelors Candidate, Wellesley College. Office of Historian, assisted in on-going research projects on biographical information about notable Americans who are the subjects of exhibitions or lectures at the museum, June 15, 1987 through August 7, 1987.
- Elizabeth Stebbins, Bachelors Degree, Bates College. Office of Education, prepared program notes and programs for "American Voices," prepared for fall programs including "Portraits in American Jazz" and "American Colonial Portraits 1700-1776," June 1, 1987 through August 21, 1987.
- Margaret Steward, Bachelors Degree, University of Virginia. Department of Painting and Sculpture, was research assistant for exhibition (1992-93) celebrating Columbian Quincentenary - portraits displayed in Fine Arts Building, Chicago Exposition of 1893, June 23, 1987 through July 31, 1987.
- Elizabeth Stutzman, Bachelors Candidate, James Madison University. Catalog of American Portraits, verified photographic data, labeled, integrated data into master file, did research, responded to general reference questions, June 1, 1987 through September 1, 1987.
- Margaret B. Swallow, Bachelors Degree. Office of Prints and Photographs, cataloged collection of confederate prints, June 15, 1987 through September 11, 1987.
- Anne M. Vescovi, Bachelors Degree, Fort Wayne Art Museum. Office of Museum Programs, assisted staff in operation of research office; verified photographic data, labeled, integrated information into a master file, did research for National Portrait Gallery staff and public, April 7, 1987 through August 30, 1987.

#### NATIONAL ZOOLOGICAL PARK

- Sylvia Alsisto, High School. Office of Education, learned about educational programs in conservation and natural history, June 3, 1987 through July 20, 1987.
- Barbara M. Borderieux, Bachelors Candidate, Maryville. Friends of the National Zoo, assisted in the publications office, June 7, 1987 through July 11, 1987.
- William Burnside, Bachelors Candidate, Stanford University. Conservation and Research Center - Front Royal, was course assistant for Wildlife Training course, June 8, 1987 through August 28, 1987.
- Julia W. Carter, Bachelors Candidate, Sweet Briar College. Department of Path-



ology, assisted in the pathology diagnostic laboratory with the opportunity to assist with dissections and preparation of slides, June 1, 1987 through August 21, 1987.

Cynthia R. Gibson, Bachelors Candidate, Hinds Junior College. Department of Animal Health, assisted professional staff, June 7, 1987 through July 11, 1987.

Chani Jalkim, High School. Department of Mammalogy, participated in animal husbandry and management programs, June 3, 1987 through July 20, 1987.

Kimlyn Marshall, High School. General Services Division, performed general clerical duties including data entry, June 29, 1987 through August 14, 1987.

Cynthia L. Pogorzelski, Bachelors Candidate, University of Wisconsin. Department of Mammalogy, assisted professional staff, June 7, 1987 through July 11, 1987.

Robert Shanklin. Office of Facilities Management, assisted professional staff, June 8, 1987 through July 10, 1987.

Jerome Simmons, High School. Office of Facilities Management, landscaped and assisted with tropical plant care and propagation, June 29, 1987 through August 14, 1987.

Christopher Smith, High School. Office of Facilities Management, worked as a mechanical assistant, June 29, 1987 through August 14, 1987.

Michelle Smith, Bachelors Candidate. Invertebrate Exhibition, assisted professional staff, April 13, 1987 through August 15, 1987.

Katherine Swain, Bachelors Candidate. Office of Education, assisted professional staff, July 13, 1987 through August 15, 1987.

Kerri Traynor, Bachelors Candidate. Department of Zoological Research, assisted professional staff, July 13, 1987 through August 15, 1987.

Gerald F. Weaver, Masters Degree. Office of Education, studied and developed teacher resources, and assisted with preparation of lesson plans related to primate behavior, June 30, 1987 through July 31, 1987.

#### OFFICE OF ACCOUNTING AND FINANCIAL SERVICES

Tanya Coble, High School. Assisted in documentation in Accounts Payable, June 29, 1987 through August 14, 1987.

Timothy Heggans, High School. General Accounts, assisted professional staff, June 29, 1987 through August 14, 1987.

Obinna Ugorji, High School. General Accounts, assisted professional staff, June 29, 1987 through August 14, 1987.

Dumile Wilson, Robert E. Lee High School. Office of the Comptroller, assisted with clerical and office work, June 29, 1987 through August 14, 1987.

Monyca Wright, High School. General Accounts, assisted professional staff, June 29, 1987 through August 14, 1987.

#### OFFICE OF ARCHITECTURAL HISTORY AND HISTORIC PRESERVATION

Steven M. Bedford, Ph.D Candidate, Columbia University. Researched architectural career of John Russell Pope, November 1, 1986 through May 30, 1987.

Heather Ewing, Bachelors Candidate, Yale University. Researched architectural history of the National Zoo, June 9, 1987 through August 10, 1987.

Howard A. Gill, Bachelors Candidate, Howard University. Worked in the archives of architectural history, February 9, 1987 through March 5, 1987.



Linda NeCastro, Masters Candidate, Bryn Mawr College. Researched the Grace Temple's design contribution at the Smithsonian Institution, July 15, 1987 through October 2, 1987.

#### OFFICE OF THE ASSISTANT SECRETARY FOR PUBLIC SERVICE

Ricardo Canales, High School. American Visions Project, assisted the production manager in maintaining order requests and distributing the magazine; provided light clerical assistance, June 29, 1987 through August 14, 1987.

Kirsten Downs, Bachelors Candidate, University of Pennsylvania. American Visions Project, read articles and researched for appropriate photographs to accompany articles, June 1, 1987 through August 2, 1987.

Tiffane White, Bachelors Degree, Howard University. American Visions Project, assisted with production, logging of advertising, handling insertion orders, processing calendars of events and transferring data to type-setter, September 28, 1987 through December 18, 1987.

Lisa Williams, High School. American Visions Project, assisted with maintaining order requests, distributing the magazine and performing light clerical duties, June 28, 1987 through August 14, 1987.

#### OFFICE OF BUILDINGS MANAGEMENT

Ronald Norbrey, High School Graduate, Electrical Facility, helped reset circuit breakers, re-lamp light fixtures, and perform minor maintenance, June 29, 1987 through August 14, 1987.

#### OFFICE OF ELEMENTARY AND SECONDARY EDUCATION

Alejandra Miranda-Naón, Masters Candidate, George Washington University. Special Education, developed museum orientation slide kit for students who are retarded or learning disabled, January 12, 1987 through April 24, 1987.

Karla Smith, High School Graduate. Assisted in all aspects of the summer intern program, June 8, 1987 through July 10, 1987.

Beatrice Taylor, Ph.D Candidate, George Mason University. Evaluated teacher summer workshops, June 4, 1987 through September 28, 1987.

#### OFFICE OF EXHIBITS CENTRAL

Saleh E. Al Jassim, Museum Professional, Ministry of Information, Bahrain. Model Shop, assisted with taxidermy and model making, October 1, 1986 through December 24, 1986.

Samuel Batzli, Bachelors Degree. Assisted in the production of models and displays for museum and traveling exhibitions; bracketing and cavity packing of objects, August 3, 1987 through November 27, 1987.

Thomas Gastel, Bachelors Candidate, Rhode Island School of Design. Design and Editing, designed a panel exhibit on the new Sackler Gallery, National Museum of African Art, and International Center for display at the Martin Luther King Library, June 8, 1987 through August 5, 1987.

- Eric Russ, Bachelors Candidate. School of Visual Arts (New York). Graphics Shop, assisted in the development and process of an exhibit, and produced materials and displays, June 29, 1987 through August 14, 1987.
- Cynthia Southerland, Bachelors Candidate, Pratt Institute. Model Shop, assisted with making exhibition models which included castings in plaster, mold making, construction of brackets and other related tasks and duties, June 29, 1987 through August 14, 1987.
- Gary T. Staab, Bachelors Candidate, Hastings College. Model Shop, assisted with model building, including manufacture of rubber molds, plastic and fiberglass casts, March 1, 1987 through June 5, 1987.
- Rick Towne, Bachelors Candidate, Milford South East Community College. Fabrication Shop, assisted professional staff, July 13, 1987 through August 15, 1987.

#### OFFICE OF FOLKLIFE PROGRAMS

- Katherine C. Bond, Bachelors Degree. assisted in areas involving folk arts of the Indochinese refugee population, including the transcription of folk songs and the accumulation of bibliographic material for planning proposal, September 22, 1987 through June 1, 1988.
- S. Curtis Bowman, Visiting Professional, Institute of American Indian Arts. Worked on Folklife Festival, May 26, 1987 through July 10, 1987.
- Carol A. Chapin, Bachelors Degree. Folklife Programs Office, worked on folk-life archives, October 20, 1986 through January 20, 1987.
- R. Kevin Donald, Ph.D Candidate, University of Oregon. Photographed each performer at the Festival of American Folklife, June 1, 1987 through August 21, 1987.
- Suzanne Fauteux, Masters Candidate, Columbia College. Folklife Festival, assisted in all aspects of the preparation and execution of the Festival of American Folklife, February 2, 1987 through May 8, 1987.
- Gordon A. Kirsch, Bachelors Candidate, Evergreen State College. Archives, worked on folklife archives, January 28, 1987 through July 17, 1987.
- Dennis G. Medina, Masters Candidate, University of Texas. Performed activities related to expressive culture associated with impact on agricultural production of Columbus' voyage, June 15, 1987 through August 21, 1987.
- Cynthia Y. Munoz, Bachelors Candidate, University of Texas. Worked on Texas languages and research, June 15, 1987 through August 21, 1987.
- Michael J. Nelson, Bachelors Candidate, Haverford College. Assisted with Festival of American Folklife, June 1, 1987 through August 7, 1987.
- Emmett Printup, Masters Degree. Ethnomusicology, researched, February 17, 1987 through March 27, 1987.
- Heidi Tobler, Bachelors Candidate, Brigham Young University. Folkways Records, worked on the archives of Folkways records acquisitions, August 31, 1987 through December 17, 1987.
- Sarah Louise Williams, High School, St. Agnes School. Assisted in cataloging field material from research travels for the Folklife Festival, May 8, 1987 through May 29, 1987.

#### OFFICE OF HORTICULTURE

- Marthanne P. Alemán, Bachelors Candidate, Texas A & M University. Analyzed site and made conceptual drawing for two areas being developed, nursery



and research center, researched topography, utilities, drainage studies, grading plans, and irrigation systems, layouts, June 1, 1987 through August 21, 1987.

Daniel H. Bentrup, Bachelors Candidate, West Virginia University. Greenhouse, assisted with collection management of the Cattleya orchids (both cultural and records work), May 18, 1987 through August 14, 1987.

Ning Dai, Masters Degree, American University. Greenhouse, production of poinsettias and special training techniques for pot mums, June 8, 1987 through August 28, 1987.

Lee S. DeMars, Bachelors Candidate, George Mason University. Greenhouse, general greenhouse work - potting, watering, weeding, June 7, 1987 through July 11, 1987.

Beth Hanlon, Bachelors Candidate, Georgetown University. Assisted with verification, labeling and cataloging of the GCA slide collection, May 18, 1987 through August 14, 1987.

Dianne Hilborn, Bachelors Candidate, Michigan State University. Office of Horticulture, revised maintenance manual and assisted in maintenance of Horticulture exhibition, September 14, 1987 through December 11, 1987.

Patricia A. Swartz, High School, Westtown School. Greenhouse, potted, watered, weeded, etc., February 23, 1987 through March 6, 1987.

#### OFFICE OF INFORMATION RESOURCES MANAGEMENT

Jeffery Beranek, Bachelors Candidate. Assisted professional staff, July 13, 1987 through August 15, 1987.

Christian Crute, University of North Carolina. Assisted professional staff, June 7, 1987 through July 11, 1987.

#### OFFICE OF INTERDISCIPLINARY STUDIES

Geoffrey C. Blackwell, High School Graduate. Wilton Dillon, research assistant, June 8, 1987 through August 10, 1987.

Sigisbert Ratier. Served as research assistant to Director in completion of manuscript on THE STATUE OF LIBERTY: THE ULTIMATE GIFT: liaison with French and U.S. institutions in planning commemoration of Bicentennial of the French Revolution; and prepared for "Science, Ethics and Food" symposium, September 14, 1987 through October 9, 1987.

#### OFFICE OF MUSEUM PROGRAMS

Marco Paulo Alvim, Fundacao Casa de Rui Barbosa. Trained in the organization and development of museum exhibition programs, September 14, 1987 through December 18, 1987.

Sharonne Jenkins, High School Graduate. Researched activities of interest to Native American museum professionals, designed a format for a twelve month calendar; assisted with writing newsletter articles; compiled a calendar for newsletter, June 29, 1987 through August 14, 1987.

Craig Locklear, Visiting Professional. Native American Museums Program, designed a brochure for the Native American Indian Program and spent one day a week at the Resident Associate Program, September 29, 1987 through December 31, 1987.



Cheryl Smith, Bachelors Degree. Native American Museums Program, assisted with writing and editing the Native American Museums Program newsletter and with overall office functions, September 20, 1987 through December 11, 1987.

Karla Smith, High School Graduate. Office of Elementary and Secondary Education, Summer Intern 1987 program and Career Awareness Program, June 8, 1987 through July 10, 1987.

#### OFFICE OF PLANT SERVICES

Dexter Glen. Electrical Facility, reset circuit breakers, re-lamped light fixtures, and performed minor maintenance, June 28, 1987 through August 14, 1987.

#### OFFICE OF PRINTING AND PHOTOGRAPHIC SERVICES

Brian Foster, High School. Duplicating Branch, processed printed material: collated, stapled, and proofed, June 29, 1987 through August 14, 1987.

James Harrison, High School. Duplicating Branch, processed printed material: collated, stapled and proofed, June 29, 1987 through August 14, 1987.

Christopher Haze, Bachelor's Candidate. Assisted professional staff, July 13, 1987 through August 15, 1987.

Suzanne Hubbell, High School Graduate. Assisted professional staff, June 7, 1987 through July 11, 1987.

Ricardo Lacy, High School. Preserved and collated records, assisted photographer and dark room technician, June 29, 1987 through August 14, 1987.

Laura E. Lanier, Bachelor's Candidate, Goucher College. Assisted Branch Chief with special photo assignments, including taking photographs and processing film, June 8, 1987 through August 28, 1987.

#### OFFICE OF PROTECTION SERVICES

Pedro Chin, High School. Training Office, performed clerical and receptionist duties for an international museum conference, June 29, 1987 through August 14, 1987.

Damon Gaston, High School. Performed clerical and receptionist duties for an international museum conference, June 29, 1987 through August 14, 1987.

Ruth Migliorelli, Masters Candidate, George Washington University. Health Services Division, assisted program manager with counseling and health techniques, January 12, 1987 through July 31, 1987.

George B. Rodenburg, Jr., Bachelors Candidate, Virginia Commonwealth University. Office of Safety Programs, assisted with safety inspections, January 5, 1987 through January 9, 1987.

Martin G. White, High School. Assisted Deputy Chief in security operations, June 29, 1987 through August 14, 1987.

#### OFFICE OF PUBLIC AFFAIRS

Michele C. Benson, Bachelors Candidate, George Mason University. Assisted professional staff, June 7, 1987 through July 11, 1987.

Lena M. Hernandez, Bachelors Candidate, University of Michigan. Assisted with production responsibilities, story writing and analyzing usage of Smithsonian News Service and The Torch newspaper, May 18, 1987 through August 12, 1987.

Mari Beth McQuaite, Bachelors Candidate, Villanova University. Assisted with production responsibilities, storywriting and analyzing usage of Smithsonian News Service and The Torch newspaper, January 28, 1987 through May 8, 1987.

#### OFFICE OF THE REGISTRAR

MeiPu Yang, Bachelors Candidate, University of Pennsylvania. Worked on database for registrar methods material, May 8, 1987 through August 7, 1987.

#### RESIDENT ASSOCIATE PROGRAM

Lara L. Goodman, Bachelors Candidate. Office of Public Affairs, prepared publicity and information on Resident Associate Program events in the Performing Arts, educational, and cultural areas; disseminated this information to media and community, May 11, 1987 through August 7, 1987.

Brenda Kwan, Bachelors Candidate, Sweet Briar College. Discovery Theater, managed audiences, assisted sales coordinator with reserving tickets, assisted theater director with preparation of education materials, January 5, 1987 through January 28, 1987.

Mary M. Patton, Bachelors Candidate, Towson State University. Office of Public Affairs, prepared publicity and information on events in the performing arts, educational and cultural areas; disseminated information to media and the community, July 22, 1987 through December 11, 1987.

Robert A. Schiller, Bachelors Candidate, James Madison University. Discovery Theater, assisted in sales and audience development for the Discovery Theater, May 18, 1987 through July 24, 1987.

#### SMITHSONIAN INSTITUTION ARCHIVES

Mark Edward Chasse, Bachelors Candidate, Portland State University. Arranged and described records of Division of Reptiles and Amphibians, National Museum of Natural History, September 28, 1987 through December 4, 1987.

Monica Drake, Bachelors Candidate, Portland State University. Described and arranged the records of the Smithsonian Institution Traveling Exhibition Service, 1950-1962, September 14, 1987 through November 20, 1987.

#### SMITHSONIAN ENVIRONMENTAL RESEARCH CENTER

Lisa Balduman, Bachelors Candidate, State University of New York. Plant Ecology, studied "Vine and Herb Ecology," January 19, 1987 through July 24, 1987.

Sarah J. Chamberlain, Bachelors Degree, University of South Carolina. Studied the effects of elevated CO2 on marsh ecosystem, May 4, 1987 through August 14, 1987.

- Elizabeth English, Bachelors Candidate, University of Virginia. Researched pollination ecology of wild radishes, June 15, 1987 through August 14, 1987.
- Amy Fanning, Bachelors Degree, Southampton College. Worked on estuarine fish biology, May 4, 1987 through September 25, 1987.
- Joanne Feldman, Bachelors Degree. Assistant Director's Office, studied acid atmospheric deposition and its impact upon geochemistry, March 2, 1987 through May 22, 1987.
- Suzanne Hill, Bachelors Candidate, Towson State University. Researched response of brackish wetlands to elevated levels of carbon dioxide, June 1, 1987 through August 14, 1987.
- Mary Howe, Bachelors Candidate, Mount Holyoke College. Researched community structure and population dynamics of phytoplankton in estuary, June 1, through August 14, 1987.
- Ramona O'Halloran, Bachelors Degree. Studied foraging behavior of ants, September 18, 1987 through December 31, 1987.
- Darius Nassiry, Bachelors Candidate, Carleton College. Researched response of brackish wetlands to elevated levels of carbon dioxide, June 15, 1987 through September 4, 1987.
- Donald Norman, Masters Candidate, Huxley College, West Virginia. Studied habitat utilization by migratory warblers, May 4, 1987 through August 14, 1987.
- Michael Rogers, Bachelors Candidate, North Carolina State. Worked on acid deposition, June 1, 1987 through August 21, 1987.
- Michael Sacopulos, Bachelors Candidate, Bowdoin College. Studied acid atmosphere deposition and its impact upon geochemistry, June 15, 1987 through July 31, 1987.
- Toni Washuta, Bachelors Candidate, Evergreen State College. Studied community structure and population biology of benthic invertebrates in an estuary, June 8, 1987 through September 11, 1987.
- Erin Watts, Towson State University. Researched community structure and population biology of benthic invertebrates in an estuary, August 17, 1987 through November 13, 1987.

#### SMITHSONIAN INSTITUTION LIBRARIES

- Francoise Brown. Assisted with book binding and book conservation, August 18, 1987 through December 31, 1987.
- Kathryn Kiaunis, Bachelors Candidate. Museum Reference Center, assisted professional staff, July 13, 1987 through August 15, 1987.
- Ora Michaely, Masters Degree, The Hebrew University, Jerusalem. Worked on book conservation and book binding, August 18, 1987 through December 31, 1987.
- Mary Pound. Book Conservation Lab, performed treatments on materials, September 21, 1987 through September 20, 1988.
- Martha-Luci Sierra, Masters Degree. Conservation Laboratory, worked on paper conservation of flat papers, March 9, 1987 through June 15, 1987.

#### SMITHSONIAN INSTITUTION PRESS

- Elizabeth D. McLean, Bachelors Candidate, Princeton University. Smithsonian Books, assisted in publishing areas, June 8, 1987 through August 28, 1987.



## SMITHSONIAN MAGAZINE

Benjamin Simmons, assisted with archival project involving editorial processing of film; trained in aspects of advertising procedures as they pertain to magazine production, June 29, 1987 through August 14, 1987.

## SMITHSONIAN NATIONAL ASSOCIATE PROGRAM

Nancy M. Perry, Masters Candidate, Northern Virginia Community College. Travel, replaced registrar for Washington "Anytime" Weekend while she accompanied a Smithsonian trip, June 10, 1987 through August 28, 1987.

## SMITHSONIAN INSTITUTION TRAVELING EXHIBITION SERVICE

Rachel Bernhardt, Masters Candidate, George Washington University. Museum Studies Program, provided project assistance to the coordinator of an exhibition on the folk art of older Americans, May 12, 1987 through September 30, 1987.

Wm. Frank Mitchell, Masters Candidate, Yale University. Researched, June 8, 1987 through August 7, 1987.

Kyu H. Park, Museum Professional, Museum in Seoul. Learned to organize exhibitions and studied museum management, February 2, 1987 through April 30, 1987.

Maria del Carmen Cossu Saettone, Bachelors Candidate, Catholic University of Peru. Provided research support to exhibition coordinator for traveling exhibition on tropical rain forests, researched exhibit content, photography, and education programs, June 1, 1987 through December 1, 1987.

## SMITHSONIAN TROPICAL RESEARCH INSTITUTE

Hector Barrios V., Ph.D, Instituto de Zoologia, URSS. Barro Colorado Island, studied exclusive male parental care in the Neotropical Harvestman Zygo-pachylus albemarginis (Opiliones: Gonyleptidae), August 3, 1987 through January 3, 1988.

Aura Estela Correa, Bachelors Candidate, University of Panama. Barro Colorado Island, studied mating and social evolution in Zoroptera, November 24, 1986 through April 10, 1987.

Eyda L. Gomez, Bachelors Degree, Universidad de Panama. Studied biomechanics and biology of flight in butterflies, August 3, 1987 through October 30, 1987.

Plinio A. Gondola Diaz, Bachelors Degree, Fundacao Universidade de Rio Grande. Researched spawning settlement and growth of reef fishes, September 14, 1987 through November 6, 1987.

Franklin Guardia, Bachelors Degree, University of Panama. Studied development of tropical forest edge vegetation and the effects of edges on forest structure, February 17, 1987 through March 17, 1987. Worked on effect of predators, plant quality and maternal guarding on reproductive success of Acromis sparsa, April 27, 1987 through July 17, 1987.

E. Cybele Londono S., Bachelors Degree, Universidad de Los Andes. Barro Colorado Island, studied interactions between the insect herbivores of young leaves, February 22, 1987 through June 22, 1987.

- Jose Luis Machado Torres, Bachelors Degree, Universidad do Los Angeles. Barro Colorado Island, studied patterns of leaf development in tropical species implications for carbon gain and herbivory, September 7, 1987 through December 7, 1987.
- Miguel Marmolejo, Centro de Investigaciones de Q. Roo. Barro Colorado Island, illustrated flora of seedlings of Panamanian tropical forest with special emphasis on Barro Colorado Island, March 16, 1987 through June 13, 1987.
- Albeloel Miranda, Bachelors Degree, Universidad de Rio Grande. Naos Lab, worked on spawning settlement and growth in reef fishes, April 27, 1987 through October 7, 1987.
- Luis Ernesto Medina Bravo, Universidad de Panama. Ancon, studied the reproductive behavior and energetics of glass frogs, genus Centrolenella, September 1, 1987 through December 1, 1987.
- Marta C. Moreno, Bachelors Degree, Universidad de Panama. Ancon, studied color polymorphism in Chelymorpha alternans, July 20, 1987 through October 31, 1987.
- Elizabeth Padron, Bachelors Degree, Universidad Central de Venezuela. San Blas, studied predatory behaviour of some reef fishes, April 6, 1987 through October 2, 1987.
- Marcela Quinones, Bachelors Candidate, Universidad de Los Andes. Summit Gardens, made census of iguana hatchlings, July 7, 1987 through October 7, 1987.
- Jorge A. Lobo Segura, Masters Degree, Universidad de Costa Rica. San Jose, studied kinship structure in social wasp colonies, April 1, 1987 through June 30, 1987.
- Jorge F. Silva, Bachelors Degree, University of Panama. Studied kingfisher's behavior at Cascajal River (Portobelo), March 26, 1987 through June 17, 1987.

#### WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS

- William Breslin, Bachelors Candidate, Hobart College. American Society and Politics, assisted with research in American history and politics, January 5, 1987 through May 13, 1987.
- Pamela A. Jordan, Bachelors Candidate, Mount Holyoke College. Worked as a research assistant, December 29, 1986 through January 31, 1987.
- Betsy Martin, Masters Candidate, Middlebury College Russian. Worked as a research assistant on turn-of-century Russian philosophy, December 29, 1986 through May 31, 1987.

ACADEMIC, RESEARCH TRAINING, AND INTERNSHIP APPOINTMENTS  
SUBMITTED BY BUREAUS

SMITHSONIAN ENVIRONMENTAL RESEARCH CENTER

- Chris Barkan, Postdoctoral Fellow, State University of New York. Foraging birds, with Dr. James Lynch, from June 15, 1987 through June 15, 1988.
- Peter DeFur, Visiting Scientist, George Mason University. Oxygen uptake of blue crabs during ecdysis at low salinity, with Dr. Anson Hines, from July 1, 1987 through August 20, 1988.
- Laura A. Nye, Graduate Fellow, North Carolina State University. Telemetric analysis of foraging and movement by *Callinectes sapidus* (Rathbun), with Dr. Anson Hines, from May 5, 1987 through May 4, 1988.
- Martin Posey, Postdoctoral Fellow, University of Oregon. The role of predatory shrimp in structuring an estuarine bottom community, with Dr. Anson Hines, from August 1, 1987 through July 31, 1988.
- Parke Rublee, Senior Postdoctoral Fellow, Whitman College. The microbial loop in the Rhode River estuary, role of microzooplankton and the effect of suspended sediments on microzooplankton predation, with Dr. Charles Gallegos, from June 1, 1987 through July 31, 1987.
- Michael Shirley, Graduate Fellow, North Carolina State University. Selective pressures affecting habitat selection by premolt male and pubertal female blue crabs *Callinectes sapidus* (Rathbun), with Dr. Anson H. Hines, from April 1, 1987 through November 6, 1987.
- L. David Smith, Visiting Graduate Student, University of Maryland. The ecological impact of autotomy on the blue crab, *Callinectes sapidus*, with Dr. Anson Hines, from May 1, 1987 through September 30, 1987.
- Allison Snow, Postdoctoral Fellow, University of Massachusetts. Male and female reproductive success of a woodland orchid, *Tipularia discolor*, with Dr. Dennis Whigham, from October 1, 1987 through July 31, 1988.
- Mark Southerland, Postdoctoral Fellow, University of North Carolina. Behavioral ecology of coexisting generalist ant species, with Dr. James Lynch, from January 1, 1987 through June 30, 1987.
- Timothy Spira, Visiting Scholar, Georgia Southern College. Complete research on pollen competition in *Hibiscus moschentos* (Malvaceae), with Dr. Dennis Whigham, from June 23, 1987 through September 13, 1987.
- James Stretch, Postdoctoral Fellow, University of California at Santa Barbara. Role of emergent plankton in regulating infaunal patchiness, with Dr. Anson Hines, from March 1, 1986 through March 20, 1987.
- Lisa K. Wagner, Visiting Scholar, Georgia Southern College. The reproductive success of *Poa annua*, *P. pratensis*, and *P. bulbosa* in disturbed habitats, with Dr. Dennis Whigham, from June 23, 1987 through September 13, 1987.
- Thomas G. Wolcott, Research Associate and Professor, North Carolina State University. Telemetric analysis of movement, habitat utilization and, foraging in blue crabs (*Callinectes sapidus*), with Dr. Anson Hines, from July 1987 through October 1987.



## INTERNSHIP AND OTHER STUDENT APPOINTMENTS

- Lisa Balduman, B.S., State University of New York. Vine and Herb Ecology, with Dr. Dennis Whigham, from January - October 1987.
- Nancy Bretz, Volunteer Research Assistant, B.S., Mills College. The use of stable isotopes for the study of nutrient dynamics, with Dr. David Correll, from September 1986 through August 1987.
- Sybil Carrere, Volunteer Research Assistant, Ph.D. Candidate, University of California at Irvine. Estuarine ecology and physiological aspects of stress, with Dr. Anson Hines, from March 1, 1986 through March 20, 1987.
- Sarah Chamberlain, B.S., University of South Carolina. Response of brackish wetlands to elevated levels of carbon dioxide, with Dr. Bert Drake, from May - November 1987.
- Elizabeth English, B.S. Candidate, University of Virginia. Pollination ecology of wild radishes, with Dr. Allison Snow, from January - August 1987.
- Amy Fanning, B.S., Long Island University. Estuarine fish biology, with Dr. Anson Hines, from May - November 1987.
- Joanne Feldman, B.S., Huxley College. Acid atmospheric deposition and its impact upon geochemistry, with Dr. David Correll, from March - May 1987.
- Suzanne Hill, B.S. Candidate, Towson State University. Response of brackish wetlands to elevated levels of carbon dioxide, with Dr. Bert Drake, from June - August 1987.
- Mary Howe, B.A., Mount Holyoke College. Community structure and population dynamics of phytoplankton in an estuary, with Dr. Charles Gallegos, from June - November 1987.
- Darius Nassiry, B.S. Candidate, Carleton College. Response of brackish wetlands to elevated levels of carbon dioxide, with Dr. Bert Drake, from June - September 1987.
- Donald Norman, M.S. Candidate, Huxley College. Habitat utilization by migratory warblers, with Dr. James Lynch, from May - August 1987.
- Ramona O'Halloran, B.A., Swarthmore College. Habitat utilization by migratory warblers, with Dr. James Lynch, from September 1987 - January 1988.
- Michael Rogers, B.S. Candidate, North Carolina State University. Acid atmospheric deposition and its impact upon geochemistry, with Dr. David Correll, from June - August 1987.
- Michael Sacopulos, B.S. Candidate, Bowdoin College. Acid atmospheric deposition and its impact upon geochemistry, with Dr. David Correll, from June - August 1987.
- Melanie Sutton, B.S., University of California at San Diego. Chicadee foraging behavior, with Dr. Chris Barkan, from September - November 1987.
- Toni Washuta, B.S. Candidate, Evergreen State University. Community structure and population biology of benthic invertebrates in an estuary, with Dr. Anson Hines, from June - September 1987.
- Erin Watts, B.S., Town State University. Community structure and population biology of benthic invertebrates in an estuary, with Dr. Anson Hines, from August - November 1987.

SMITHSONIAN TROPICAL RESEARCH INSTITUTE

Program in Tropical Biology

Eldridge Stevens Adams III, Postdoctoral Fellowship, University of California, Berkeley. The Behavioral Ecology of Queen Number in Nasutitermes corniger (Isoptera:Termitidae), with Dr. Mary Jane West-Eberhard, from January 1, 1988 through December 31, 1988

Brian Bock, Visiting Scientist, University of Tennessee. Iguana Management Possibilities through the Study and Manipulation of Nesting, Juvenile, and Adult Iguana Habitats, with Dr. James Karr, from January 1, 1987 through June 30, 1988.

Jeffrey D. Brawn, Visiting Scientist, Northern Arizona University. Avian Population and Community Ecology in the Understory of Moist Lowland Forests, Central Panama, with Dr. James Karr, from March 15, 1987 through September 30, 1987.

Jae Chun Choe, Predoctoral Fellowship, Harvard University. Mating System and Social Evolution in Zoraptera, with Dr. William Eberhard, from October 15 to December 15, 1986, February 1 to August 15, 1987, and February 1 to May 15, 1988.

Philip James DeVries, Postdoctoral Fellowship, University of Texas. The Biology and Evolution of an Association and Nectar Feeding in Larval Riodinid Butterflies, with Drs. Donald Windsor and Stephen Hubbell, from September 1987 through September 1988.

Andrew John Green, Graduate Student Fellow, Wolfson College. The Relationship between Foraging Success and Mating Success in Male Tungara Frogs Physalaemus pustulosus, with Dr. A. Stanley Rand, from July 6 through September 21, 1987.

David John Hughes, Postdoctoral Fellow, University College of North Wales. Genetic and Environmental Correlates of Polymorphism in Marine Bryozoa, with Dr. Jeremy Jackson, from June 1, 1987 through May 31, 1988.

Rachel Levin, Postdoctoral Fellowship, Cornell University. Male and Female Reproductive Strategies in a Tropical Wren Thryothorus nigricapillus, with Dr. Neal Smith, from February 1 to July 31, 1988 and February 1 to July 31, 1989.

Jane Molofsky, Graduate Student Fellowship, University of Illinois. The Effect of Litterfall on the Germination and Early Establishment of Tropical Trees, with Dr. Joseph Wright, from June 1 through August 7, 1987.

Steven Gaines Morgan, Postdoctoral Fellow, University of Maryland. The Effect of Fish Predation on Hatching Rhythms of Brachyurans: the Tracking of a Complex Environment, with Dr. John Christy, from December 1, 1986 through December 1, 1987.

Daniel E. Morse, Regent Fellow, University of California, Santa Barbara. Environmental, Biochemical and Genetic Factors Controlling the Reproduction and Recruitment of Panamanian Reef Corals and Associated Fauna, for 12 weeks in 1987 and 12 weeks in 1988.

Christopher William Petersen, University of Arizona, Postdoctoral Fellowship. Sexual Selection and Sexual Size Dimorphism in Fishes with Paternal Care, with Dr. Ross Robertson, from September 27, 1987 through September 26, 1988.

Anthony James Ranere, Senior Postdoctoral Fellowship, Temple University. Environments, Human Settlement and Subsistence in the Seasonal Tropics of Central Panama--the last 10,000 years, with Dr. Richard Cooke, from September 1, 1987 through August 31, 1988.

Kyle Summers, Predoctoral Fellowship, University of Michigan. Reproductive Strategies in Dendrobates auratus and Dendrobates histrionicus, with Drs. A. Stanley Rand and Nancy Knowlton, from January 1 through December 31, 1988.

#### Short-term Fellowships in Tropical Biology

Mark Alfano, Ph.D. candidate, University of Texas at Austin. Predation and the Evolution of Anuran Advertisement Calls, with Dr. Stanley Rand, from July 1 through August 30, 1987.

Charlton Carscallen, B.S. candidate, Trent University, Canada. Faunal Analysis of Zapotal Site, with Dr. Richard Cooke, from February 1 through April 30, 1987.

Monique Glausserand, Ph.D. candidate, Yale University. Zapotal: Coastal Adaptations in Central Panama (3000 BC - 1200 BC), with Dr. Richard Cooke, from February 1 through April 30, 1987.

Jillian W. Gregg, Ph.D. candidate, University of Utah. Variation of Winged Leaf Rachises in Relation to Environment in Tropical Plants, with Dr. Egbert Leigh, from January 1 to March 31, 1988.

Anita Hayworth, Ph.D. candidate, University of California, Davis. Microclimate and Heat Budget of the High Intertidal Limpet Siphonaria gigas, with Dr. Jeremy Jackson, from November 1, 1987 through January 31, 1988.

Joshua Hayes, Ph.D. candidate, University of Texas at Austin. Investigations into the Feeding Ecology and Impact of the Corallivorous Gastropod, Coralliophila abbreviata, with Dr. Nancy Knowlton, from September 21 through December 14, 1987.



Kaoru Kitajima, Ph.D. candidate, University of Illinois. Comparative Study of Photosynthetic and Growth Characteristics of Neotropical Tree Seedlings on Barro Colorado Island, with Dr. Alan Smith, from June 4 through August 3, 1987.

Robin Manasse, Ph.D. candidate, University of California, Davis. Genetic, Anatomical and Ecological Correlates of Seed Size Variation in Crinum erubescens (Amaryllidaceae), with Dr. Joseph Wright, from June 1 to June 30, 1987.

David M. Olson, Ph.D. candidate, University of California, Davis. The Effects of Elevation on the Ant Fauna and Other Litter Organisms of Tropical Moist Forests in Panama, with Dr. Donald Windsor, from June 22 through September 4, 1987.

Stephen Pratt, B.S. candidate, Harvard College. Foraging and Recruitment Behavior in the Ponerine Genera Ectatomma and Odontomachus, with Dr. Donald Windsor, from April 11 through July 11, 1987.

Andrew Stuart Pullin, Ph.D., University of Leeds, United Kingdom. Environmental Control of Life-History Strategies in Tropical Lepidoptera, with Dr. Donald Windsor, from November 22, 1987 through January 17, 1988.

David Stern, B.S. candidate, Cornell University. The Behavior and Morphology of Male Euglossine Bees, with Dr. David Roubik, from February 1 through May 31, 1988.

David A. Wiedenfeld, Ph.D. candidate, Florida State University. Ecomorphology and Foraging Behavior of Resident and Migrant Populations of the Yellow Warbler, Dendroica petechia, with Dr. Neal Smith, from January 15 through February 27, 1987.

#### Exxon Fellowship & Assistantship Program

Onel Arias, Exxon Fellowship Extension, Universidad de Panamá. Evaluación Hidrográfica del Rio Abudi, with Dr. James Karr, from February 16 through August 15, 1987.

Eliseo Hector Barrios, Exxon Assistantship, Zoology Institute USSR. Exclusive Male Parental Care in the Neotropical Harvestman, Zygopachylus albomarginis (Opiliones: Gonyleptidae), with Giselle Mora, from August 3, 1987 through January 3, 1988.

Rita Bethancourt, Exxon Fellowship, Universidad de Panamá. Efecto de Fertilización con P y N en la Formación de Micorrizas y Rhizobium en el Crecimiento Temprano de Acacia mangium, with Dr. Gilberto Ocaña, from August 3 through November 3, 1987.

Aura Correa, Exxon Assistantship, Universidad de Panamá. Mating System and Social Evolution in Zoroptera, with Jae Choe, from November 24, 1986 through May 8, 1987.

Eyda Luz Gomez, Exxon Assistantship, Universidad de Panamá. Biomechanics and Ecology of Flight in Butterflies, with Dr. Robert Dudley, from September 14 through December 11, 1987.

Plinio A. Gondola, Exxon Assistantship, Fundacao Universidade do Rio Grande, Brazil. Spawning Settlement and Growth in Reef Fishes, with Dr. Ross Robertson, from September 14 through October 30, 1987.

Franklin Guardia, Exxon Assistantship, Universidad de Panamá. Development of Tropical Forest Edge Vegetation and the Effect to Proximity to the Edge on Forest Structure, with Guadalupe Williams, from February 18 through March 25, 1987.

Franklin Guardia, Exxon Assistantship, Universidad de Panamá. Effect of Predators, Plant Quality and Maternal Guarding on the Reproductive Success of Acromis sparsa, with Dr. Donald Windsor, from April 27 through July 17, 1987.

Heraclio Herrera, Exxon Fellowship, Universidad de Panamá. El Uso de las Plantas en la Medicina Tradicional en el Oeste de Kuna Yala (San Blas), Panamá, with Dr. Gordon McPherson, from May 3 through November 3, 1987.

Daniel Holness, Exxon Fellowship, Universidad de Panamá. Identificación de Especies que Puedan Utilizarse en Educación Ambiental dentro del Parque Metropolitano, with Dr. James Karr and Jorge Ventocilla, from February 17 through May 17, 1987

Daniel Holness, Exxon Fellowship, Universidad de Panamá. Estimación de la Biomasa y la Productividad de Hydrilla verticillata en dos Sitios en la Isla de Barro Colorado, with Dr. Alan Smith, from August 3 through November 3, 1987.

Yolanda Jimenez, Exxon Fellowship, Universidad de Panamá. Identificación de Especies que Puedan Utilizarse en Educación Ambiental dentro del Parque Metropolitano, with Dr. James Karr and Jorge Ventocilla, from February 17 through May 17, 1987.

Yolanda Jimenez, Exxon Fellowship, Universidad de Panamá. Estudio Bacteriológico de Playas de Anidación de Lepidochelys olivacea, with Dr. Haris Lessios, from August 3 through November 3, 1987.

Jorge Lobo, Exxon Assistantship, Universidad de Costa Rica. El Parentesco y su Estructura en Colonias de Avispas Sociales, with Dr. Mary Jane West-Eberhard, from April 1 through June 30, 1987.

E. Cybele Londoño, Exxon Assistantship, Universidad de los Andes, Colombia. Interactions between Insect Herbivores and the Phenologies of Their Host Plants, with Mitch Aide, from March 1 through June 15, 1987.

Jose Luis Machado, Exxon Assistantship, Universidad de los Andes, Colombia. Patterns of Leaf Development in Tropical Species: Implications for Carbon Gain and Herbivory, with Drs. Phyllis Coley and Tom Kursar, from September 14 through December 14, 1987.

Miguel Marmolejo, Exxon Assistantship, Centro de Investigaciones de Quintana Roo, Mexico. Illustrated Flora of Seedlings of Panamanian Tropical Moist Forest, Barro Colorado Island, with Dr. Nancy Garwood, from March 15 through June 14, 1987.

Luis E. Medina, Exxon Assistantship, Universidad de Panamá. The Reproductive Behavior and Energetics of Glass Frogs, genus Centrolenella, with Roberto Ibañez, from September 1 through December 1, 1987.

Albeloel Miranda, Exxon Assistantship, Fundacao Universidade do Rio Grande, Brazil. Spawning Settlement and Growth in Reef Fishes, with Ross Robertson, from April 27 through August 21, 1987.

Marta C. Moreno, Exxon Assistantship, Universidad de Panamá. Estudio Genético en el Polimorfismo de Color en Chelymorpha alternans (Parque Soberanía, Panamá), with Dr. Donald Windsor, from July 20 through October 16, 1987.

Elizabeth Padrón, Exxon Assistantship, Universidad Central de Venezuela. Predatory Behavior of Some Reef Fishes, with Dr. Hugh Sweatman, from April 6 through October 2, 1987.

Marcela Quiñones, Exxon Assistantship, Universidad de Los Andes, Colombia. Survival of Hatchling Iguanas in the Wild, with Dr. Dagmar Werner, from July 7, 1987 through January 7, 1988.

Jorge Silva, Exxon Assistantship, Universidad de Panamá. Sex Role Reversal in Neotropical Kingfishers, with Dr. William Davis, from March 26 through June 15, 1987.

Eyda J. Timm, Exxon Fellowship, Universidad de Panamá. Estudio Bacteriológico de Playas de Anidación de Lepidochelys olivacea, with Dr. Haris Lessios, from August 3 through November 3, 1987.

Luis Wong, Exxon Fellowship, Universidad de Panamá. Isolation and Characterization of Chemical Principles from the Anal Gland of Pelamis platurus, with Dr. Ira Rubinoff, from March through August 1987.

#### Other Fellowship and Internship Programs

Jaime Cavelier, Noyes Predoctoral Fellowship, University of Cambridge, United Kingdom. The Cost of Growth and Maintenance of Fine Root Systems in Lowland and Montane Rainforests, with Dr. Alan Smith, from August 15, 1987 through March 15, 1988.

Rosendo Fraga, Senior Sabbatical, University of California, Santa Barbara. Host-Parasite Interactions between the Oropendola Gymnostinops montezumae and the Giant Cowbird Scaphidura oryzivora in the Postfledgling Stage, with Dr. Neal Smith, from June 1 through August 31, 1987.



Jurgen Hoth v.d. Meden, Alton Jones Internship, Universidad Nacional Autonoma de Mexico. Behavioral Studies of the Paca (Agouti paca) in Semicaptivity, with Dr. Nicholas Smythe, from September 1, 1986 through June 15, 1987.

Roberto Ibañez, Noyes Predoctoral Fellowship, University of Connecticut. The Reproductive Behavior and Energetics of Glass Frogs, Genus Centrolenella, with Dr. Stanley Rand, from May 15 through December 15, 1987.

Kizhakkedathu Mathai Kochummen, Senior Sabbatical, Forest Research Institute, Malaysia. Flora of Pasoh Research Forest, with Dr. Stephen Hubbell, from July 1, 1986 through June 30, 1987.

Giselle Mora, Noyes Predoctoral Fellowship, University of Florida. Exclusive Male Parental Care in the Harvestmen Zygopachylus albomarginis (Arachnida, Opiliones: Gonyleptidae), with Dr. Donald Windsor, from July 1 through December 31, 1987 and from July 1 through December 31, 1988.

Gustavo Rodriguez, Alton Jones Internship, Universidad Simon Bolivar, Venezuela. Monitoring of Agouti Populations in Selected Areas for Management, with Dr. Nicholas Smythe, from August 15, 1986 through December 15, 1987.

#### Other Visiting Scholars

Stephen T. Emlen, Short-Term Visitor, Cornell University. Social Behavior of Wattled Jacanas, with Drs. James Karr and Neal Smith, from April 1 through June 15, 1987.

Leo J. Fleishman, Short-Term Visitor, University of Texas at Austin. Prey Localization in Crocodylians, with Dr. Stanley Rand, from April 13 through April 28, 1987.

Peter Jung, Short-Term Visitor, Natural History Museum, Switzerland. Inventory of Neogene Faunas (Mollusks) in Bocas del Toro, with Dr. Jeremy Jackson, from July 31 through August 27, 1987.

Gabor Lovei, Short-Term Visitor, Plant Protection Institute, Hungary. Evaluation of Light Trap Catches, with Dr. Hindrik Wolda, from May 31 through June 22, 1987.

Stephen S. Mulkey, Short-Term Visitor, University of Missouri. Diurnal Variation in Atmospheric Drought and Schedules of Carbon Gain and Water Loss in Understory Species, with Dr. Joseph Wright, from December 14 through January 10, 1987.

Hermann H. Remmert, Short-Term Visitor, Fachbereich Biologie der Universitat, Marburg, West Germany. Patch Dynamics in Forest Ecosystems, with Dr. Hindrik Wolda, from July 5 through July 19, 1987.

Michael J. Ryan, Short-Term Visitor, University of Texas at Austin. Sexual Selection and Sound Localization in the Frog Physalaemus pustulosus, with Dr. Stanley Rand, from July 1 through July 31, 1987.

Isaac J. Schlosser, Short-Term Visitor, University of North Dakota. Land Use and Stream Ecosystems, with Dr. James Karr, from March 27 through May 3, 1987.

Leila M. Shultz, Short-Term Visitor, Utah State University. Investigations in Leaf Anatomy, with Dr. Joseph Wright, from March 23 through April 8, 1987.

John Sperry, Short-Term Visitor, University of Vermont. Water Stress Physiology of Trees, with Dr. Egbert Leigh, from February 1 through February 28, 1987.

Nellie M. Stark, Short-Term Visitor, University of Montana. The Influence of Excess Leaching on Weathering and Mycorrhizal Uptake of Nutrients, with Dr. Joseph Wright, from July 5 through July 18, 1987.

Melvin Tyree, Short-Term Visitor, University of Vermont. Water Stress Physiology of Trees, with Dr. Egbert Leigh, from February 1 through February 28, 1987.

Paul Weldon, Short-Term Visitor, Texas A & M University. The Proximate Cues Used by Pacific Snappers to Identify the Yellow-Bellied Sea Snake, with Dr. Ira Rubinoff, from June 6 through August 17, 1987.

Walter Wilczynski, Short-Term Visitor, University of Texas at Austin. Behavioral and Neural Mechanisms by which Neotropical Frogs Organize Themselves within a Breeding Chorus, with Dr. Stanley Rand, from June 23 through July 14, 1987.

Truman P. Young, Short-Term Visitor, University of Miami. Investigations of Canopy Shapes, with Dr. Stephen Hubbell, from February 1 through March 2, 1987.

#### Volunteers

James Robert Duran, worked on scanning the literature in the STRI Library, from October 1986 through September 1987.

Sarah Flick, worked on the causes and consequences of rarity and distributions of certain tree species, with Dr. Stephen Hubbell, from January through May 1987.

Joseph P. Garofalo, worked as electronics technician with Dr. Haris Lessios, from August 31 through September 30, 1987.

Corina S. Hinkle, worked on reviewing the literature in the STRI Library, from October 1986 through September 1987.

Mary Ragoza, worked on a remapping of trails and streams in the Forest Dynamics Plot, with Dr. Stephen Hubbell, during April 1987.

John Reese, worked on an assessment of flowering conditions of Ceiba pentandra and Cavanalesia planifolia, with Dr. Stephen Hubbell, during February 1987.

Bob Stamper, worked on a detailed map of seedlings and saplings of an endemic shrub with a clumped distribution, with Dr. Stephen Hubbell, during August 1987.

Francisco Ulloa, worked on the diving behavior of the yellow - bellied sea snake, with Dr. Ira Rubinoff, from April through June 1987.

Deborah Wallace Dupuy, worked on the Panama bibliography in the STRI Library, from December 1986 through September 1987.

Carolyn White, worked general duties in the STRI Library, from June through August 1987.

Clarita A. S. Wright, worked on the Panama bibliography in the STRI Library, from October 1986 through September 1987.

#### ARTHUR M. SACKLER GALLERY AND FREER GALLERY OF ART

Michael Brand, Sackler Fellow. Visiting Scholar, Harvard University. "Garden, City and Empire: The Historical Geography of Mughal Lahore," with Milo C. Beach from June 1, 1987, through September 30, 1987.

Cao Yin, Sackler Fellow. Visiting Scholar, Beijing University. "All Aspects of Museum Operations," with staff members of the Freer Gallery of Art and the Arthur M. Sackler Gallery from September 30, 1987 through June 30, 1988.

Mathew Kercher, Smithsonian Fellow. Ph.D. Candidate, Princeton University. "Calligraphy of Pa-ta Shan-jen (1626-1705), with Dr. Shen C. Y. Fu from September 21, 1987, through September 20, 1988.

Ingrid Larsen, Freer Fellow. Ph.D. Candidate, University of Michigan. "Huang Shen, Qing Dynasty Painters Known as Yangzhou Eccentrics," with Dr. Shen C. Y. Fu from January 12, 1987, through May 30, 1987.

John Siewert, Smithsonian Fellow. Ph.D. Candidate, University of Michigan. "The Nocturnes of James McNeill Whistler," with Dr. Linda Merrill from September 1, 1987, through August 31, 1988.

Song Xiangguang, Sackler Fellow. Visiting Scholar, Beijing University. "All Aspects of Museum Operations," with staff members of the Freer Gallery of Art and the Arthur M. Sackler Gallery from September 30, 1987 through June 30, 1988.

Jan Stuart, Smithsonian Fellow. Visiting Scholar, Princeton University. "Researching and Cataloging the 16th-Century Zhe School of Paintings," with Dr. Shen C. Y. Fu from April 15, 1987, through April 14, 1988.

Wheeler Thackston, Jr., Rockefeller Fellow. Visiting Scholar, Harvard University. "Princely Art in 15th-Century Iran: The House of Timur," with Dr. Glenn Lowry from June 9, 1987, through September 30, 1987.

Som P. Verma, Fulbright Fellow. Visiting Scholar, Aligarh Muslim University. "The Study of Mughal Paintings and Other Related Indian Schools," with Dr. Milo C. Beach from July 1, 1987, through November 15, 1987.



CONSERVATION ANALYTICAL LABORATORY

Regents Fellow

W.D. Kingery, Ph.D., Regents Fellow, Artifact Interpretation and the Rise of Pictorial Traditions in the Ceramics of 5th c. Greece, 12th c. Islam, 15th c. Italy and the early Qing Dynasty of China: Models for the Interaction of Society and Technology, from September 1987 through September 1988.

Fellows

Nancy Benco, Ph.D., Postdoctoral Fellow in Material Analysis, SUNY at Binghamton, NY. Composition Technologist Variability: An approach to the study of pottery specialization in ancient society, with Jacqueline S. Olin and M. James Blackman, from February 1986 through January 1987.

Robert Ehrenreich, Ph.D., Postdoctoral Fellow in Materials Analysis, Oxford University, United Kingdom, The State of iron technology in Roman dominated Britain, with Jacqueline S. Olin and Roy S. Clarke, Jr., for October 1, 1985 through December 31, 1986.

Rosemary Gianno, Ph.D., Postdoctoral Fellow in Materials Analysis, Yale University, New Haven, CT. The Analysis and Identification of Southeast Asian Resins, with David von Ende, from February 1, 1986 through January 31, 1987.

Hector Neff, Ph.D., Postdoctoral Fellow in Materials Analysis. University of California at Santa Barbara. Application of multivariate pattern-recognition and statistical procedures to ceramic interpretation, with Dr. Ronald Bishop and Dr. Frederick J. Bove, from November 1986 through April 1988.

Interns

Ann Baulton, Postgraduate Conservation Intern, State University College at Buffalo, NY, Art Conservation Department. Special projects in Objects Conservation, with Carol A. Grissom, from October 1, 1986, through September 30, 1987.

Lynn Brostoff, Masters degree, New York University. Paper Conservation, 3rd year internship, Research and Treatment, with Tim Vitale, October 1, 1986 through September 16, 1987.

Michelle E. Hamill, Bachelors Degree, Oberlin College. Paper Conservation Laboratory, compiled bibliography of paper conservation-related project, with Tim Vitale, also worked on the conservation of a Victorian folding screen and a science project on the effects of aqueous light bleaching on paper, June 1, 1987 through August 21, 1987: Paper Laboratory, worked on paper conservation, with Dianne van der Reyden, September 1, 1987 through May 31, 1988.

Laura Hazlett, Summer Intern, Textile Conservation Laboratory. May-July, 1987.

Jeffrey Kimball, Conservation Intern, Institute of Archaeology, University of London, Work and Study in Objects Conservation, with Carol A. Grissom, from July 13 through September 18, 1987.

Ingrid Lucena, Conservator, National Gallery of Art, Caracas, Venezuela. Paintings Conservation. Examination and Treatment of Smithsonian Collections, with Roland H. Cunningham, from September 25, 1986 through September 15, 1987.

Esther Méthé, Summer Intern, Textile Conservation Laboratory. May-July, 1987.

Theresa Power, Conservation Intern, Art Conservation Program, University of Delaware/Winterthur Museum, Work and Study in Objects Conservation, with Carol A. Grissom, June 1 through July 24, 1987.

Deborah Schceps, Postgraduate Conservation Intern. Paintings Conservation, Istituto per Arte e il Restauro, Florence, Italy. Examination and Treatment of Smithsonian Collections, with Roland H. Cunningham, from September 15, 1986 through April 30, 1987.

Rosemarie Selm, Summer Intern, Textile Conservation Laboratory. July-September, 1987.

Jill Sigman, Summer Intern, Textile Conservation Laboratory. July-September, 1987.

Constance Stromberg, Postgraduate Conservation Intern, Art Conservation Program, University of Delaware/Winterthur Museum. Special projects in Objects Conservation, with Carol A. Grissom, from October 5, 1986, through September 30, 1987.

#### Visiting Lecturers

Marylou Davis, Southbridge, Massachusetts. "Historic Painted Finishes".

Carl Eckelman, Ph.D., College of Forestry, Purdue University. "Structural Analysis of Furniture".

Michael Ettama, Ph.D., Curator of Domestic Life, Henry Ford Museum. "Post Industrial Revolution American Furniture".

Ian Freestone, British Museum Research Laboratory

Wallace Gusler, Director of Conservation, Colonial Williamsburg. "Pre - Industrial Revolution American Furniture".

Wallace Gusler, Director of Conservation, Colonial Williamsburg. "Woodcarving".

Rose Kerr, Deputy Keeper, Far Eastern Department, Victoria and Albert Museum, London.

Greg Landrey, Furniture Conservator, H. F. DuPont Winterthur Museum. "Structural Conservation of Furniture".

David Ray Pine, Mt. Crawford, Virginia. "Inlay Manufacture".

Victor von Reventlow, Brooklyn New York. "Conservation of Marquetry and Bucle-work".

Victor von Reventlow, Brooklyn NY. "Structure of European Furniture".

James Rice, Ph.D., College of Forestry, University of Georgia. "Adhesives Technology for Furniture".

Sir Francis Watson, former Keeper of the Queen's Collection. "Seventeenth and Eighteenth Century French Furniture".

Christian Witt-Doerring, Ph.D., Curator of Furniture and Woodwork, Austrian Museum of Applied Arts. "History of European Furniture (excluding French)".



## Visiting Professionals

- Veletta Cancuts, Ph.D., Visiting Scholar, Southern Illinois University. Ecoi Social Boundary Maintenance and Exchange Relationships, AD: 1300-1500, with Ronald Bishop, from September 1, 1985 through August 31, 1987.
- Mary Anne Friauf, Visiting Professional from the Fabric Workshop, Philadelphia, Pennsylvania. February-April, 1987. Study of pigment/binder relationship to the stability of modern printed textiles.
- Susan Hobbs, Ph.D., Research Associate, Cornell University, Ithaca NY. Neutron Induced Autoradiography of Paintings by Thomas Wilmer Dewing, with Y. Cheng, from October 1986 through October 1989.
- Sophie Mary, Predoctoral Visiting Scientist, Universite de Paris I, France. Ceramic Production in the Cran Peninsula from the Perspective of Capital Hill, with M. James Blackman, from May 1987 to June 1987.
- Emlen Myers, Ph.D., Research Collaborator, SUNY at Binghamton. Neutron activation analysis of Italian Majolica from the Sackler Collection, with M. James Blackman, from June 1986 through May 1987.
- Irene Skals, Visiting Professional from the Naturalmuseet of Denmark. March-May, 1987. Study of microscopic analysis of archeological textiles. Recipient of the Suzanne Liebers Erikson Danish Exchange Program Award.
- Rita Wright, Ph.D., Research Associate, Harvard University, Cambridge, MA. Production and Distribution of Ceramics in Middle Asia, with M. James Blackman, from October 19, 1985 through October 19, 1988.
- Zhang Fukang, Ph.D. and Sun Jing, Ph.D., Institute of Ceramics, Academia Sinica, Shanghai, China, to work on Chinese trade ceramics found in Sri Lanka.

## COOPER-HEWITT MUSEUM

- Diana Alper, Masters Candidate, Columbia University. Library, surveyed rare book collection, with Kathy Martinez, June 1, 1987 through August 21, 1987.
- Yolanda Avila, Bachelors Candidate, Rutgers University. Library, maintained rare book collection, with Kathy Martinez, June 8, 1987 through December 31, 1987.
- Betsy Biern, Bachelors Candidate, Mount Holyoke College. Department of Textiles, collections management, with Ysabella Hincapie-Gara, January 5, 1987 through January 30, 1987.
- Leslee Browning, Bachelors Candidate, State University of New York. Department of Programs, assisted in program administration and planning, with Susan Yelavich, September 16, 1987 through December 31, 1987.
- Bernd H. Dams, Bachelors Candidate, RWTH Aachen, Germany. Director's Office, publication research, with Lisa Taylor, October 31, 1986 through April 30, 1987.
- Marianne Ertberg, Museum Professional, Danish Museum of Decorative Art. Department of Drawings and Prints, studied collection management techniques, with Elaine E. Dee, April 2, 1987 through May 1, 1987.



Jeanne Faton, Bachelors Degree, University of Lyon II. Department of Decorative Arts, French decorative art and furniture, with David McFadden, October 17, 1986 through April 15, 1987.

John Febbo, Bachelors Candidate, State University of New York at Buffalo. Exhibitions Department, exhibition installation, with Dorothy Globus, June 8, 1987 through August 14, 1987.

Elaine Glusac, Masters Candidate, University of Michigan. Development Office, development research, June 8, 1987 through August 14, 1987.

Margaret Goehring, Bachelors Candidate, Oberlin College. Special Events, planning of events, with Anne Patterson and Wallcoverings Department, collection maintenance, with Ann Dorfsman, June 8, 1987 through August 14, 1987.

Teresa M. Heady, Masters Candidate, Fashion Institute of Technology. Department of Textiles, textile conservation, with Lucy Commoner, December 17, 1986 through December 31, 1987.

Diane Kessler, Masters Candidate, University of Alberta. Department of Textiles, textile conservation, with Lucy Commoner, January 5, 1987 through September 30, 1987.

Usha Kutty, Bachelors Candidate, Smith College. Programs Department, studied the planning and administration of programs, with Susan Yelavich, June 8, 1987 through August 14, 1987.

Marv Marvin, Bachelors Candidate, Moore College of Art. Department of Textiles, collection maintenance, with Ysabella Hincapie-Gara, June 1, 1987 through August 14, 1987.

Juan Mila, Bachelors Candidate, Bennington Collection. Exhibitions Department, assisted in the preparation of the Gaudí exhibition, January 5, 1987 through March 2, 1987.

Beth E. Posner, Bachelors Candidate, Cornell University. Business Office, assisted in office administration, with William Gaske, December 22, 1986 through January 31, 1987.

Paige Roberts, Bachelors Candidate, Princeton University. Exhibitions Department, research for maps exhibition, with Dorothy Globus, June 8, 1987 through August 21, 1987.

Jessica Rudin, Bachelors Degree, Oberlin College. Exhibitions Department, research for festivals exhibition, June 8, 1987 through December 31, 1987.

Lorna Ryan, Bachelors Candidate, Camberwell School of Art. Library, rare books collection, with Kathy Martinez, June 8, 1987 through August 14, 1987.

Ulrike Schonfeldt, Bachelors Candidate, Freie Universitat of Berlin. Department of Drawings and Prints, collection management, with Elaine E. Dee, July 11, 1987 through September 15, 1987.

Sofia Vecchio, Bachelors Candidate, Oberlin College. Department of Drawings and Prints, collection maintenance and exhibition research, with Elaine E. Dee, June 8, 1987 through July 8, 1987.

John Willman, Masters Candidate, City University of New York. Shop Operations, product development, with Polly Dufresne, January 15, 1987 through May 15, 1987.

#### HIRSHHORN MUSEUM AND SCULPTURE GARDEN

##### Internship and Other Student Appointments

Harriet Stern, BA, Kenyon College. Worked and studied with Teresia Bush in Education from June 15 through August 21.

Emily Carroll, BA candidate, Maryland Institute, College of Art. Worked and studied with Eddie Schiesser in Exhibits and Design from June 8 through August 14.

Elizabeth Klein, BA candidate, Dartmouth College. Worked and studied with Sidney Lawrence in Public Affairs from June 8 through August 14.

Melissa Welsh, BA candidate, Oberlin College. Worked and studied with Judith Zilczer in the Department of Painting and Sculpture from June 8 through August 14.

##### Fellows and Visiting Scholars

Ruth Bohan, Post Doctoral Fellow, Associate Professor, Art Department, University of Missouri, St. Louis. "Walt Whitman and American Art, 1882-1919." Advisor: Judith Zilczer, Department of Painting and Sculpture, August 1987 through August 1988.

Emmie Donadio, Predoctoral Fellow, Ph.D. candidate, Columbia University, New York. "Richard Stankiewicz." Advisor: Valerie Fletcher, Department of Painting and Sculpture, September 15, 1987 through March 14, 1988.

Dietlinde Hamburg, Predoctoral Fellow, Ph.D. candidate, Kassel University, West Germany. "Carl Grossberg-New Objectivity Movement." Advisor: Judith Zilczer, Department of Painting and Sculpture, March 1, 1987 through February 28, 1988.

Rebecca Zurier, Predoctoral Fellow, Ph.D. candidate, Yale University. "The Graphic Art of the Ashcan School." Advisor: Judith Zilczer, Department of Painting and Sculpture, May 1986 through August 1988.

## Interns

Stefania Lucamante, graduate intern, University of Cagliari, Italy. Supervisor: Valerie Fletcher, November 1986 through May 1987.

Melissa Welch, intern, Oberlin College. Supervisor: Judith Zilczer, June through August 1987.

## National Air and Space Museum

John D. Anderson, the Charles A. Lindbergh Chair of Aerospace History. Definitive history of aerodynamics and research in hypersonic aerodynamics with Dr. Howard Wolko, Aeronautics Department, from September 1, 1986, through August 30, 1987.

Glenn Bugos, Smithsonian Predoctoral Fellow. Testing the F-4 Phantom II: Engineering practice in the development of American military aircraft, 1952-1967 with Dr. Von Hardesty, Aeronautics Department, from September 1, 1986, through August 30, 1987.

Michael A. Dennis, Smithsonian Predoctoral Fellow. New Relations: Academic-military relations at the Hopkins Applied Physics Lab and the MIT Instrumentation Lab, 1942-1952 with Dr. David DeVorkin, Space Science and Exploration Department, from September 1, 1986, through August 30, 1987.

Ronald E. Doel, Guggenheim Predoctoral Fellow. Joining Astronomy with Geophysics: The Formation of a Planetary Science Discipline, 1945-1965 with Dr. Joseph Tatarewicz, Space Science and Exploration Department, from September 1, 1987, through August 31, 1988.

Louis R. Eltscher, Alfred Verville Fellow. A history of the Curtiss-Wright aeronautical corporation with Mr. F. Robert van der Linden, Aeronautics Department, from September 1, 1986, through August 30, 1987.

Dr. Herbert Friedman, the Martin Marietta Chair in Space History. Formal, in-depth memoir on the progress of sounding rocket research centering upon the Aerobee era in the 1950s with Dr. David DeVorkin, Space Science and Exploration Department, from September 1, 1986, through August 31, 1987.

Jose Villeda Gomez, International Fellow. Early airlines of Mexico, establishment of the Mexican airline industry, and Mexico's place in aviation history with Mr. R. E. G. Davies, Aeronautics Department, from July 7, 1986, through July 6, 1987.

Dr. C. Vance Haynes, Smithsonian Senior Postdoctoral Fellow. Work on joint research in remote sensing of southern Egypt and northern Sudan with Dr. Ted Maxwell, Center for Earth and Planetary Studies, from August 15, 1987, through December 15, 1987.



George E. McGill, Visiting Scientist. Geologic and tectonic evolution of the northern hemisphere of Mars with Dr. Ted Maxwell, Center for Earth and Planetary Studies, from September 15, 1986, through January 15, 1987.

Hassan Abdel Salam, International Exchange Visitor. Groundwater exploration in the Western Desert of Egypt with Dr. Ted Maxwell, Center for Earth and Planetary Studies, from October 15, 1986, through October 30, 1986.

Eric Schatzberg, Short Term Visitor. Study of Igor Sikorsky and the history of technology with Dr. Von Hardesty, Aeronautics Department, from July 1, 1987, through August 31, 1987.

Scott Smith, Short Term Visitor. Research on air combat tactics of the Soviet Air Force with Dr. Von Hardesty, Aeronautics Department, from June 22, 1987, through July 3, 1987.

Ted Young, Short Term Visitor. Research on Curtiss aircraft exports with Dr. Von Hardesty, Aeronautics Department, from September 14, 1987, through October 2, 1987.

#### NATIONAL MUSEUM OF AFRICAN ART

##### Interns and Fellows

Sarah Aston, Masters Candidate, Colgate University. Organized and catalogued art objects belonging to the Department of Education; prepared outreach kits, workshop materials and slide kits for teachers, from September 8, 1987 to December 4, 1987.

Brenda Chalfin, Amherst College. Researched exhibitions and catalogued archival material, from October 1, 1986 to December 31, 1986.

Keith M. Conway, University of the District of Columbia. Assisted with the conservation of archaeological artifacts, from March 30, 1987 to December 31, 1987.

Marie Durquet, University of California at Davis. Researched future exhibitions, for the curatorial department from June 29, 1987 to August 21, 1987.

Winona Hubbard, University of California at Berkeley. Gathered, prepared and presented information for public and press use, from July 13, 1987 to August 18, 1987.

Anita W. McNamee. Assisted with public affairs programs for 1987 museum opening, included list development, wrote newswire feature, etc., from January 7, 1987 to March 31, 1987.

Henry Thaggert, III, Tulane University. Prepared educational materials for the members of the docent program, from August 3, 1987 to August 28, 1987. Aided in compiling a docent handbook on the permanent collection for the museum, June 1, 1987 to July 31, 1987.

Stryk D. Thomas, University of Michigan. Catalogued and researched archival material, for the Eliot Elisofon Archives, from June 1, 1987 to August 11, 1987.

#### Visiting Scholars

Ebenezer Nii Quarcoopome, Graduate Student Fellow, University of California, Los Angeles. Art and Leadership among the Ga-Adangme and Ewe of Ghana and Togo with Roy Sieber, from June 30 to September 4, 1987.

Dr. Christaud Geary, Rockefeller Resident Fellow, University of Boston. Historical photographs for art historical and historical research on Africa with Roy Sieber, from September 2, 1986 to September 2, 1987.

#### NATIONAL PORTRAIT GALLERY

##### Interns

Beatrice E. Bachmann, Undergraduate, Georgetown University. Assisted with research on radio and TV personnel of the 20's and 30's, with Amy Henderson, Office of the Historian, from October 22, 1986 through May 31, 1987.

Kimberly Beynum, High School Student, Duke Ellington School of the Arts. Assisted in building management office, helped with scheduling and served as receptionist, with Mary Massey, Building Management Office, from June 29, 1987 through August 14, 1987.

Jane Bierman, Graduate, Colorado College. Organized Meserve collection negatives, with William Stapp, Office of Prints and Photographs, from June 15, 1987 through August 31, 1987.

Clare C. Franklin, Undergraduate, Wellesley College. Conducted biographical research and performed exhibits work for exhibition on broadcasting pioneers, with Amy Henderson, Office of the Historian, from May 20, 1987 through August 28, 1987.

M. Claire Garrett, Undergraduate, Vanderbilt University. Assisted in organization of gifts and exchange materials, vertical file collection and auction catalogue, with Cecilia Chin, Library, from June 2, 1987 through August 8, 1987.

Kellie M. Gaudry, Undergraduate, Hollins College. Assisted in production of gallery graphics, with Anice Doak, Office of Design and Production, from January 5, 1987 through January 30, 1987.

Leslie A. Gray, Masters Degree, George Mason University. Developed secondary school program on the Constitution and the Presidency, with Leni Buff, Office of Education, from June 9, 1987 through October 31, 1987.

Carola Haden, Graduate, Drury College. Assisted staff in operation of research office; verified photographic data, label integrating information and did research for staff and public, with Linda Thrift, Catalog of American Portraits, from June 15, 1987 through August 14, 1987.

Mary E. Hale, Undergraduate, Virginia Commonwealth University. Implemented new vertical plan storage and filing system for all drawings in Office of Design and Production; became familiar with role of exhibits work in museums and other museum operations, with Steve di Girolamo, Office of Design and Production, from May 11, 1987 through August 14, 1987.

Mary Herrington, Masters Degree, Marymount College. General library work, bibliographic search, GEAC computer; handled organization of Special Collections, with Cecilia Chin, Library, from October 16, 1986 through November 15, 1987.

Jill Heyman, Masters Degree, George Washington University. Assisted Education Department in marketing its programs and promoting the Portrait Gallery and its activities, with Kenneth Yellis, Office of Education, from January 12, 1987 through May 1, 1987.

Audrey Hollet, Graduate, University of California at Riverside. Developed outreach material for conservation program; updated school mailing list, with Harry Jackson, Office of Education, from June 29, 1987 through August 28, 1987.

Jack Holliday, Masters Degree, University of Dayton. Researched and wrote drafts for "The Constitution and the Presidency," with Leni Buff, Office of Education, from July 6, 1987 through July 31, 1987.

Russell Jackson, Undergraduate, University of Dallas. Assisted professional staff, with James Barber, Office of the Historian, from July 31, 1987 through August 15, 1987.

Jennifer Kabot, Undergraduate, Barnard College. Conducted biographical research on Sara Hallowell (1846-1924), with Carolyn Carr, Assistant Director for Collections, August 1987.

Leah Lignon, Undergraduate, University of Arkansas at Fayetteville. Assisted with organizing gifts and exchange material, vertical file collection and auction catalogs, with Cecilia Chin, Library, from May 26, 1987 through July 3, 1987.

Carol J. McCullough, Undergraduate, Hollins College. Assisted in production of gallery graphics with Anice Doak, Office of Design and Production, from January 5, 1987 through January 30, 1987.

Lisa M. Melchiori, Undergraduate, George Mason University. Researched items in the Meserve Exhibit, with William Stapp, Office of Prints and Photographs, from January 21, 1987 through May 15, 1987.

Kimberly R. Meldrum, Undergraduate, University of Michigan. Initiated information gathering for a database system, with Claire Kelly, Office of Exhibitions, from June 3, 1987 through August 3, 1987.

Christine Multra, Undergraduate, Gallaudet University. Assisted professional staff, with Cecilia Chin, Library, from July 13, 1987 through August 15, 1987.

Paula Pergament, Undergraduate, Earlham College. Initiated information gathering for a database system; was responsible for data entry, with Claire Kelly, Office of Exhibitions, from June 22, 1987 through August 14, 1987.

Mary I. Peters, High School Student, Sidwell Friends School. Conducted biographical research on a group of drawings by S. T. Woolf which date from the 1920's through the 1940's, with Wendy W. Reaves, Office of Prints and Photographs, from May 13, 1987 through June 4, 1987.

Elizabeth Peterson, Undergraduate, Connecticut College. Verified photographic data, labeled, integrated data into master file; did research; responded to general reference questions, with Linda Thrift, Catalog of American Portraits, from June 1, 1987 through August 21, 1987.

Sylvie-Anne Robinson, Masters Degree, George Washington University. Designed and developed brochure for programs for adult audiences; developed grant proposal for monetary support for publications and distribution, with Harry Jackson, Office of Education, from January 12, 1987 through May 1, 1987.



Margot C. Sklar, Undergraduate, Wellesley College. Assisted with on-going research projects on biographical information about notable Americans who are the subjects of exhibitions or lectures at the museum, with James Barber, Office of the Historian, from June 15, 1987 through August 7, 1987.

Elizabeth Stebbins, Graduate, Bates College. Prepared program notes and programs for "American Voices;" prepared for fall programs including "Portraits in American Song" and "American Colonial Portraits: 1700-1776," with Kenneth Yellis, Office of Education, from June 1, 1987 through August 21, 1987.

Margaret Steward, Graduate, University of Virginia. Served as research assistant for exhibition (1992-93) celebrating Columbian Quincentenary-- portraits displayed in Fine Arts Building, Chicago Exposition of 1893, with Brandon Fortune, Office of Paintings and Sculpture, from June 23, 1987 through July 31, 1987.

Elizabeth Stutzman, Undergraduate, James Madison University. Verified photographic data, labeled, integrated data into master file; did research; responded to general reference questions, with Linda Thrift, Catalog of American Portraits, from June 1, 1987 through September 1, 1987.

Margaret B. Swallow, Graduate, University of Vermont. Cataloged collection of confederate prints, with Wendy W. Reaves, Office of Prints and Photographs, from June 15, 1987 through September 11, 1987.

Anne M. Vescovi, Graduate, Fort Wayne Art Museum. Assisted staff in operation of research office; verified photographic data, labeled, integrated information into a master file; did research for National Portrait Gallery staff and public, with Richard Doud, Catalog of American Portraits, from April 7, 1987 through August 30, 1987.

#### OFFICE OF HORTICULTURE

Marthanne P. Aleman, Bachelors Candidate, Texas A&M University. Analyzed site and made conceptual drawings for two areas being developed, nursery and research center, research topography, utilities, drainage studies, grading plans, irrigation systems, and layouts, June 1, 1987 through August 21, 1987.

Daniel H. Bentrup, Bachelors Candidate, West Virginia University. Assisted with collection management of the Cattleya orchids (both cultural and records work), May 18, 1987 through August 14, 1987.

Ning Dai, Masters Degree, American University. Production of poinsettias and special training techniques for pot mums, June 8, 1987 through August 28, 1987.

Lee S. DeMars, Bachelor Candidate, George Mason University. General greenhouse work - potting, watering, weeding, June 7, 1987 through July 11, 1987.

Beth Hanlon, Bachelors Candidate, Georgetown University. Assisted with verification, labeling and cataloguing of the Garden Club of American Slide Collection, May 18, 1987 through August 14, 1987.

Dianne Hilborn, Bachelors Candidate, Michigan State University. Revised Maintenance Manual and assisted in historic horticultural research, September 14, 1987 through December 11, 1987.

Patricia A. Swartz, High School, Westtown School. General greenhouse work (potting, watering, weeding, etc.), February 23, 1987 through March 6, 1987.

## OFFICE OF FOLKLIFE PROGRAMS

- Harihar Prasad Bhattarai, Ph.D. candidate, University of North Carolina. Research on the Festival of American Folklife for the development and presentation of Nepalese folk festivals, with Richard Kurin, from June 1 through August 7, 1987.
- Katherine C. Bond, B.A., Swarthmore College. Assistance in areas involving folk arts of the Indochinese refugee population, including the transcription of folk songs and the accumulation of bibliographic material for a planning proposal, with Frank Proschan, from September 22 through June 1, 1988.
- S. Curtis Bowman, Visiting Professional, Institute of American Indian Arts. Analysis of preparation and presentation of Festival of American Folklife for use by local American Indian museums, with Laurie Sommers, from May 26 through July 10, 1987.
- Olivia Cadaval, Ph.D. candidate, George Washington University. Comparison of performance and ethnic identity at the Festival of American Folklife and the Washington, D.C. Latino Festival, with Peter Seitel, from June 1 through May 31, 1988.
- Carol A. Chapin, B.A., University of Wisconsin. Archival work, with Pete Magoon, from October 20 through January 20, 1987.
- R. Kevin Donald, Ph.D. candidate, University of Oregon. Photographic documentation of the Metropolitan Washington program, Festival of American Folklife, with Phyllis May-Machunda, from June 1 through August 21, 1987.
- Suzanne Fauteux, M.A. candidate, Columbia College. Archival work, with Pete Magoon, from February 2 through May 8, 1987.
- Huaren He, Visiting Professional, China Federation of Literary and Art Circles, People's Republic of China. Research on proverbs, with Peter Seitel, from April 24 through July 31, 1987.
- Gordon A. Kirsch, B.A. candidate, Evergreen State College. Archival work, with Pete Magoon, from January 28 through July 17, 1987.
- Dennis G. Medina, M.A. candidate, University of Texas. Research on expressive culture associated with the impact on agricultural production of Columbus' voyage, with Alicia Gonzalez, from June 15 through August 21, 1987, and September through May, 1988.
- Cynthia Y. Munoz, B.A. candidate, University of Texas. Research on Texas languages, with Alicia Gonzalez, from June 15 through August 21, 1987.
- Michael J. Nelson, B.A. candidate, Haverford College. Assistance with production and presentation of the Festival of American Folklife, with Frank Proschan, from June 1 through August 7, 1987.
- Emmett Printup, B.A., Syracuse University. Bibliographic research on American Indian lacrosse, with Thomas Vennum, Jr., from February 17 through March 27, 1987.
- Yunus Rubanza, Ph.D. candidate, Michigan State University. Research on linguistic aspects of African epics, with Peter Seitel, from August 1 through August 31, 1987.

Heidi Tobler, B.A. candidate, Brigham Young University. Archival work with the Folkways Records acquisitions, with Ed O'Reilly, from August 31 through December 17, 1987.  
Sarah Louise Williams, High School Sr., St. Agnes School, Alexandria. Transcription of interviews from fieldwork on creolization, with Nicholas Spitzer, from May 8 through May 29, 1987.

OFFICE OF MUSEUM PROGRAMS

Visiting Professionals Program

Slvia Alsisto Sandakan Forest of Sabah Sabah, Malaysia	Bill Chiodo Dade Co. Public Schools Miami, Florida
Marco Alvim Rui Barbosa Foundation Rio de Janeiro, Brazil	Susan Chykaliuk McMichael Canadian Collection Ontario, Canada
Marcelo Araujo Museu Lasar Segall Sao Paulo, Brazil	Patricia Corral Millicent Rogers Museum Taos, New Mexico
Shifra Aronson The Education Gallery Tel-Aviv, Israel	Henry Crawford Milwaukee Public Museum Milwaukee, WI
Kathy Ball Lafayette Natural History Mus. Lafayette, Louisiana	Wendy Donowa Barbados Museum Barbados, West Indies
Mary Bellah Carnegie Art Museum Oxnard, California	Adrian Ellis Design Museum at Butlers Wharf London, England
Jacques Beaufret Museum of Fine Arts St. Etienne, France	Dorothy Fields Dade Co. Public Schools Miami, Florida
Norman Birnbaum Shippensburg University Shippensburg, PA	Noel Frankham Visual Arts & Crafts Board North Sydney, Australia
Ronal Bourgeois National Museum of Canada Ottawa, Canada	Lorenzo Galvan Inst. of Texas Cultures San Antonio
Donna Bryman Vancouver Museum Vancouver, Canada	Freidhelm Haering Oberhessisches Museum Giessen, West Germany
Jean Byers Heritage Museum Baker, LA	Jorn Otto Hansen Tonder Museum South Jutland, Denmark
Nicolas Cendo Cantini Museum Marseilles, France	Eric Hedqvist Goteborgs Museer Goteborg, Sweden
Kuei-mao Chen National Museum of History Taipei, Taiwan	Nina Hobolth Randers Art Museum Randers, Denmark



Maria Horta-Barretto  
 Fundacao Nacional pro-Memoria  
 Rio de Janeiro, Brazil

Kuang-nan Huang  
 Taipei Fine Arts Museum  
 Taipei, Taiwan

Elizabeth Huntoon  
 Chicago Public Library  
 Chicago, IL

Paul Huvenne  
 Rubenshuis Museum  
 Antwerp, Belgium

Per Hvamstad  
 Museum in Nord-Osterdalen  
 Norway

Estelle Impey  
 Manitoba Mus. of Man & Nature  
 Winnipeg, Canada

James Jagan  
 U. S. Embassy  
 Port of Spain, Trinidad

Carroll Jones  
 Wyoming State Museum  
 Cheyenne, Wyoming

Tom Kaczkowski  
 University of Illinois-  
 Champaign

Irene Kersting  
 Albuquerque Museum  
 Albuquerque, NM

Bobby Kidd  
 The Brooklyn Museum  
 Brooklyn, New York

Lean Luc Koltz  
 National Museums of Luxembourg  
 Luxembourg

Andrzej Kostolowski  
 Adam Mikiewicz Museum  
 Smielow, Poland

Marilyn Kyles  
 Edison Historic Site  
 West Orange, NJ

In-Sook Lee  
 Seoul Nat. University Museum  
 Seoul, South Korea

Patrick Lynch  
 St. Louis Science Center  
 St. Louis, MO

Sarah Main  
 Australian Museum  
 Sydney, Australia

Maria Marable  
 The Southwest Museum  
 Los Angeles, CA

S. C. Mehta  
 Dept. of Electronics  
 New Delhi, India

Michael Miksicek  
 St. Louis Science Center  
 St. Louis, MO

Patricia Miles  
 New Mexico State Univ. Museum  
 Las Cruces, NM

Hazel Moffat  
 Dept. of Educ. & Science  
 North Lincoln, England

Leo Napoleon  
 VA Dept. of Conservation &  
 Historic Resources  
 Charlottesville, VA

Ronnie Nichols  
 Arkansas Arts Center  
 Little Rock, Arkansas

M. L. Nigam  
 Salar Jung Museum  
 Hyderabad, India

Shoshana Nitzan  
 Israel Museum  
 Jerusalem, Israel

John Nolan  
 Ulster Museum & Gardens  
 Belfast, Northern Ireland

Srinivasa Rajagopalan  
 Archeological Survey of India  
 Madras, India

V. P. Ranjit  
 Natl. Handicrafts & Handlooms  
 Museum  
 New Delhi, India

Beldon Raspberry  
 Brooklyn Children's Museum  
 Brooklyn, New York

Denise Rosario  
 Strecker Museum  
 Waco, Texas

Martina Rudloff  
 Gerhard Marcks Foundation  
 Bremen, West Germany

S. K. Sahni  
 Nat. Gallery of Modern Art  
 New Delhi, India

Sabita Sarkar  
Indian Museum  
Calcutta, India  
Markette Seppala  
Pori Art Museum  
Pori, Finland  
Gabriel Serrano  
Kansas Museum of History  
Topeka, KS  
Cynthia Shubert  
Saint Louis Art Museum  
Saint Louis, MO  
L. P. Sihare  
National Museum  
New Delhi, India  
Ante Soric  
Muzejski Prostor  
Zagreb, Yugoslavia  
Christine Takata  
Bishop Museum  
Honolulu, Hawaii  
Bessie Tong  
Regional Council of Hong Kong  
Emilio de la Torre  
Science & Technology Museum  
Project  
Guatemala City, Guatemala

Franz van der Avert  
Rijksmuseum  
Amsterdam, The Netherlands  
Olge and Inge-Lise Villadsen  
Lolland-Falsters, Denmark  
Lilia Villasenor  
Portland Children's Museum  
Portland, Oregon  
Tyra Walker  
Frederick Douglass House  
Washington, D. C.  
Mei Wan  
Texas Tech University Museum  
Lubbock, TX  
Lawrence Wang  
Meadows Museum of Art  
Dallas, TX  
Rosemary Watt  
Burrell Collection  
Glasgow, Scotland  
Carol Weatherspoon  
NC Museum of Life and Science  
Durham, North Carolina  
Elisheva Yarhi  
Israel Museum  
Jerusalem, Israel

## Appendix 5

Publications of the Smithsonian Institution Press in Fiscal Year 1987

### GENERAL PUBLICATIONS

#### Trade Publications

- Becker, Jonathan J. Neogene Avian Localities of North America. 200 pages, 1 chart, 2 maps. September, 1987. Paper: \$14.95.
- Bergon, Frank, editor. A Sharp Lookout: Selected Nature Essays of John Burroughs. 500 pages, 18 black and white illustrations. September, 1987. Cloth: \$39.95; paper: \$19.95.
- Blatti, Jo, editor. Past Meets Present: Essays About Historic Interpretation and Public Audiences. 192 pages, 10 black and white illustrations. May, 1987. Cloth: \$19.95; paper: \$11.95.
- Chock, Phyllis Pease, and June R. Wyman, editors. Discourse and the Social Life of Meaning. 232 pages, 5 figures. November, 1986. Cloth: \$22.50.
- Davies, R. E. G.; foreword by Najeeb Halaby. Rebels and Reformers of the Airways. 432 pages, 36 black and white illustrations, 7 maps. July, 1987. Cloth: \$22.50.
- Deagan, Kathleen. Artifacts of the Spanish Colonies of Florida and the Caribbean, 1500-1800. Volume I: Ceramics, Glassware, and Beads. 208 pages, 6 color and 114 black and white illustrations, 17 line drawings. July, 1987. Cloth: \$35.00; paper: \$19.95.
- DeVorkin, David H.; illustrations by Steve Postman. Practical Astronomy: Lectures on Time, Place, and Space. 110 pages, 66 black and white illustrations. October, 1986. Paper: \$12.95.
- Duncan, Wilbur A., and Marion B. Duncan. The Smithsonian Guide to Seaside Plants of the Gulf and Atlantic Coasts from Louisiana to Massachusetts, Exclusive of Lower Peninsular Florida. 410 pages, 588 color and 189 black and white illustrations. March, 1987. Cloth: \$45.00; paper: \$29.95.
- Eberhard, William G., Yael D. Lubin, and Barbara C. Robinson, editors. Proceedings of the Ninth International Congress of Arachnology, Panama 1983. 334 pages, 187 black and white illustrations. November, 1986. Paper: \$25.00.
- Ehrenberg, Ralph E. Scholars' Guide to Washington, D.C.: Cartography and Remote Sensing Imagery. 420 pages. June, 1987. Cloth: \$29.95; paper: \$15.00.
- Hazen, Margaret Hindle, and Robert M. Hazen. The Music Men: An Illustrated History of Brass Bands in America, 1800-1920. 272 pages, 170 black and white illustrations. April, 1987. Cloth: \$39.95; paper: \$19.95.
- Hindle, Brooke, and Steven Lubar. Engines of Change: The American Industrial Revolution, 1790-1860. 310 pages, 217 black and white illustrations. October, 1986. Cloth: \$29.95; paper: \$14.95.
- Hoage, R. J., and Larry Goldman, editors; introduction by David Challinor. Animal Intelligence: Insights into the Animal Mind. 208 pages, 34 black and white illustrations. December, 1986. Paper: \$10.95.



- Hole, Frank, editor. The Archaeology of Western Iran: Settlement and Society from Prehistory to the Islamic Conquest. 406 pages, 90 tables, 39 line drawings. June, 1987. Cloth: \$49.95.
- Hotton, Nicholas III, Paul D. MacLean, Jan J. Roth, and E. Carol Roth, editors. The Ecology and Biology of Mammal-like Reptiles. 336 pages, 166 black and white illustrations. December, 1986. Cloth: \$35.00; paper: \$19.95.
- Isar, Yudhishtir Raj, editor; foreword by Paul Perrot. The Challenge to Our Cultural Heritage: Why Preserve the Past? 252 pages, 55 black and white illustrations. November, 1986. Paper: \$11.95.
- Isler, Morton L., and Phyllis R. Isler; foreword by Theodore A. Parker III. The Tanagers: Natural History, Distribution, and Identification. 464 pages, 32 color plates, 263 maps. April, 1987. Cloth: \$70.00; paper: \$49.95.
- Jarrett, Philip. Another Icarus: Percy Pilcher and the Quest for Flight. 238 pages, 48 black and white illustrations, 19 figures, 2 maps. March, 1987. Cloth: \$22.50.
- Kenny, Michael G. The Passion of Ansel Bourne: Multiple Personality in American Culture. 258 pages, 8 black and white illustrations. November, 1986. Cloth: \$24.95; paper: \$14.95.
- Lifschitz, Edward. The Art of West African Kingdoms. 48 pages, 49 black and white illustrations, 12 line drawings, 4 two-color posters. July, 1987. Paper: \$9.95.
- Park, Edwards, with Jean Paul Carlhian; foreword by Robert McC. Adams. A New View from the Castle: The Smithsonian's Museum and Garden Complex on the National Mall. 160 pages, 28 color and 134 black and white illustrations, 40 drawings. September, 1987. Paper: \$19.95.
- Reingold, Nathan, and Marc Rothenberg, editors. Scientific Colonialism: A Cross-Cultural Comparison. Papers at a Conference at Melbourne, May 25-30, 1981. 412 pages. December, 1986. Paper: \$29.95.
- Shetler, Stanwyn G.; foreword by Robert S. Hoffmann. Portraits of Nature: Paintings by Robert Bateman. 160 pages, 32 color and 54 black and white illustrations. January, 1987. Paper: \$17.50.
- Spenser, Jay P. Focke-Wulf Fw 190: Workhorse of the Luftwaffe. 104 pages, 4 color and 124 black and white illustrations, 4 figures. March, 1987. Paper: \$10.95.
- Strom, Robert G.; foreword by Ted A. Maxwell. Mercury: The Elusive Planet. 208 pages, 1 color and 74 black and white illustrations, 28 line drawings. April, 1987. Cloth: \$19.95.
- Willey, Richard R. The Tucson Meteorites: Their History from Frontier Arizona to the Smithsonian. 48 pages, 15 black and white illustrations. December, 1986. Paper: \$8.95.
- Wolko, Howard S., editor; foreword by Walter J. Boyne. The Wright Flyer: An Engineering Perspective. 106 pages, 142 black and white illustrations. December, 1986. Paper: \$9.95.

Exhibition Catalogues  
 Issued as Trade Publications

Anacostia Museum

- Driskell, David; foreword by John Kinard. Contemporary Visual Expressions. 80 pages, 21 color and 13 black and white illustrations. June, 1987. Paper: \$15.95.

### Arthur M. Sackler Gallery

Lawton, Thomas, Shen Fu, Glenn D. Lowry, Ann Yonemura, and Milo C. Beach. Asian Art in the Arthur M. Sackler Gallery: The Inaugural Gift. 336 pages, 64 color and 245 black and white illustrations. September, 1987. Paper: \$24.95.

### National Museum of African Art

Freyer, Bryna M. Royal Benin Art: Selections from the National Museum of African Art. 64 pages, 1 color illustration, 33 duotones. September, 1987. Paper: \$12.95.

Gilfoy, Peggy Stoltz; foreword by Sylvia Williams. Patterns of Life: West African Strip-Weaving Traditions. 96 pages, 42 color illustrations, 5 maps, 17 duotones, 1 line drawing. September, 1987. Paper: \$16.95.

Sieber, Roy, and Roslyn Adele Walker. African Art in the Cycle of Life. 168 pages, 58 color illustrations, 76 duotones, 1 map. September, 1987. Cloth: \$39.95; paper: \$19.95.

### National Museum of American Art

Mecklenburg, Virginia M., and William Kloss; foreword by Charles C. Eldredge. Modern American Realism: The Sara Roby Foundation Collection. 144 pages, 48 color and 68 black and white illustrations. April, 1987. Paper: \$16.95.

Serwer, Jacquelyn D., Douglas Davis, and Donald Kuspit; foreword by Charles C. Eldredge. Gene Davis: A Memorial Exhibition. 192 pages, 90 color illustrations, 28 duotones. March, 1987. Cloth: \$49.50.

### National Museum of American History

Daniel, Pete, Merry A. Foresta, Maren Stange, and Sally Stein. Official Images: New Deal Photography. 208 pages, 171 black and white illustrations. July, 1987. Paper: \$24.95.

### National Portrait Gallery

Voss, Frederick S.; foreword by Alan Fern. Man of the Year: A Time Honored Tradition. 88 pages, 32 color and 2 black and white plates. September, 1987. Paper: \$12.95.

### Trade Reprints New Editions

Bleeker, Pieter. Atlas Ichtyologique des Indes Orientales Néerlandaises. Volume VI: Pleuronectes, Scombrésoces, Clupées, Clupésoces, Chauliodontes, Saurides. 175 pages, 43 color plates. July, 1987. Cloth: \$50.00.

Lumbreras, Luis G.; translation by Betty J. Meggers. The Peoples and Cultures of Ancient Peru. 248 pages, 232 black and white illustrations. June, 1987. Paper: \$14.95.

Middleton, John; foreword by Ivan Karp. Lugbara Religion: Ritual and Authority Among an East African People. 294 pages, 5 black and white plates, 10 figures. December, 1986. Paper: \$14.95.

- Peters, James A., Roberto Donoso-Barros, and Braulio Orejas-Miranda; new material by P.E. Vanzolini. Catalogue of the Neotropical Squamata. Part I: Snakes. Part II: Lizards and Amphisbaenians. 672 pages, 148 black and white illustrations. November, 1986. Paper: \$29.95.
- Swanton, John R. Indians of the Southeastern United States. 1,068 pages, 112 black and white illustrations, 13 maps. September, 1987. Paper: \$25.00.

Trade Reprints  
of Previous Editions

- Boyne, Walter J., and Donald S. Lopez, editors. Vertical Flight: The Age of the Helicopter. 272 pages, 216 black and white illustrations, 28 figures. May, 1987. Paper: \$19.95.
- Dick, Harold G., with Douglas H. Robinson. The Golden Age of the Great Passenger Air Ships: Graf Zeppelin and Hindenburg. 226 pages, 88 black and white illustrations. June, 1987. Cloth: \$24.95.
- Hoage, R. J., editor. Animal Extinctions: What Everyone Should Know. 206 pages, 30 black and white illustrations. July, 1987. Paper: \$10.95.
- Kloss, William; foreword by Charles C. Eldredge. Treasures from the National Museum of American Art. 256 pages, 81 color and 92 black and white illustrations. December, 1986. Cloth: \$39.95.
- Malaro, Marie C. A Legal Primer on Managing Museum Collections. 366 pages. April, 1987. Paper: \$14.95.
- Nero, Robert W.; photographs by Robert R. Taylor. The Great Gray Owl: Phantom of the Northern Forest. 168 pages, 30 color and 56 black and white illustrations. September, 1987. Paper: \$12.50.
- Protopappas, John J., and Lin Brown, editors. Washington on Foot. 224 pages, 95 black and white illustrations, 26 maps. June, 1987. Paper: \$5.95.

Trade Publications  
Distributed for Other Publishers

Copublished with Airlife Publishing, Ltd., England

- Golley, John, and William Gunston. Whittle: The True Story. 290 pages, 1 color and 48 black and white illustrations, 1 map, 9 figures. August, 1987. Cloth: \$24.95.

Hudson River Museum, Yonkers, New York

- Panzer, Mary; foreword by Estelle Jussim. In My Studio: Rudolf Eickemeyer, Jr., and the Art of the Camera, 1885-1930. 112 pages, 92 duotones. July, 1987. Paper: \$18.95.

Marg Publications, Bombay

- Doshi, Saryu, editor. An Age of Splendor: Islamic Art in India. 150 pages, 86 color and 96 black and white illustrations. October, 1986. Cloth: \$45.00.
- \_\_\_\_\_. Goa: Cultural Patterns. 152 pages, 69 color and 200 black and white illustrations. October, 1986. Cloth: \$45.00.



- \_\_\_\_\_. Homage to Karnataka. 156 pages, 48 color and 139 black and white illustrations. October, 1986. Cloth: \$45.00.
- \_\_\_\_\_. India and Greece: Connections and Parallels. 132 pages, 46 color and 82 black and white illustrations. February, 1987. Cloth: \$45.00.
- \_\_\_\_\_. Maharashtra. 306 pages, 227 color and 300 black and white illustrations. October, 1986. Cloth: \$65.00.
- \_\_\_\_\_. Pageant of Indian Art. 174 pages, 84 color and 164 black and white illustrations. October, 1986. Cloth: \$45.00.
- Michell, George, editor. Islamic Heritage of the Deccan. 130 pages, 55 color and 94 black and white illustrations. February, 1987. Cloth: \$45.00.
- Pal, Pratapaditya, editor. American Collectors of Asian Art. 205 pages, 60 color and 165 black and white illustrations. February, 1987. Cloth: \$50.00.

National Archives, Washington, D.C.

- A Guide to Civil War Maps in the National Archives. 140 pages, 33 black and white illustrations. April, 1987. Cloth: \$30.00.
- Bashkina, Nina N., editor. The United States and Russia: The Beginning of Relations, 1765-1815. 1,184 pages, 4 color and 115 black and white illustrations. April, 1987. Cloth: \$40.00.
- Beers, Henry Putney; introduction by Frank G. Burke. The Confederacy: A Guide to the Archives of the Confederate States of America. 536 pages. April, 1987. Cloth: \$25.00.
- Bloom, Sol. The Story of the Constitution. 192 pages, 51 black and white illustrations. April, 1987. Cloth: \$8.95.
- Butler, John P., compiler. Index: Papers of the Continental Congress, 1774-1789. 6,615 pages. April, 1987. Cloth: \$85.00.
- Charleton, James H., Robert G. Ferris, and Mary C. Ryan, editors. Framers of the Constitution. 260 pages, 106 black and white illustrations. April, 1987. Cloth: \$19.50.
- Guide to Cartographic Records in the National Archives. 444 pages. April, 1987. Cloth: \$25.00.
- Guide to Genealogical Research in the National Archives. 304 pages, 1 color and 40 black and white illustrations. April, 1987. Cloth: \$35.00; paper: \$25.00.
- Harris, Kenneth E., and Steven D. Tilley, compilers. Index: The Journals of the Continental Congress, 1774-1789. 430 pages, 1 black and white illustration. April, 1987. Cloth: \$25.00.
- Hill, Edward E., compiler. Guide to Records in the National Archives Relating to American Indians. 468 pages, 24 black and white illustrations. April, 1987. Cloth: \$25.00.
- Munden, Kenneth W., and Henry Putney Beers; introduction by Frank G. Burke. The Union: A Guide to the Federal Archives Relating to the Civil War. 722 pages. April, 1987. Cloth: \$25.00.
- Newman, Debra L., compiler. Black History: A Guide to Civilian Records in the National Archives. 380 pages, 40 black and white illustrations. April, 1987. Cloth: \$25.00; paper: \$15.00.
- Ryan, Garry D., and Timothy K. Nenninger, editors. Soldiers and Civilians: The U.S. Army and the American People. 244 pages, 30 black and white illustrations. April, 1987. Cloth: \$25.00.

Ulibarri, George, and John P. Harrison, compilers. Guide to Materials on Latin America in the National Archives. 490 pages. April, 1987. Cloth: \$25.00.

Walch, Timothy, editor. Guardian of Heritage: Essays on the History of the National Archives. 94 pages, 76 black and white illustrations. April, 1987. Paper: \$7.00.

\_\_\_\_\_, compiler. Our Family, Our Town: Essays on Family and Local History Sources in the National Archives. 272 pages, 40 black and white illustrations. April, 1987. Cloth: \$30.00.

The Written Word Endures: Milestone Documents of American History. 112 pages, 66 color and 158 black and white illustrations. April, 1987. Cloth: \$12.50.

Scottish Academic Press, Edinburgh

Fardon, Richard, editor. Power and Knowledge: Anthropological and Sociological Approaches. 216 pages. October, 1986. Cloth: \$19.95.

#### Annual Reports

American Historical Association Annual Report. 148 pages. October, 1986.

National Air and Space Museum Research Report 1986. 246 pages, 2 color and 69 black and white illustrations. November, 1986.

Smithsonian Year 1986. 192 pages, 1 color and 63 black and white illustrations. May, 1987.

Smithsonian Year 1986 Supplement: Chronology and Appendixes. 380 pages. May, 1987.

#### Books

National Museum of Natural History

Fiske, Richard S., Tom Simkin, and Elizabeth A. Nielson, editors. The Volcano Letter. A reprint of journal issues published by the Hawaiian Volcano Observatory from 1925-1955. 1,536 pages. December, 1986.

Office of Elementary and Secondary Education

Part of Your General Public is Disabled: A Handbook for Guides. 104 pages, 3 black and white illustrations. June, 1987.

Office of Public Affairs

Yesterday and Today. 106 pages, 29 black and white illustrations, 3 line drawings. July, 1987.

Smithsonian Institution Press

Official Guide to the Smithsonian. 160 pages, 198 color illustrations. January, 1987.

## Booklets

### Arthur M. Sackler Gallery

The Arthur M. Sackler Gallery. 32 pages, 12 color illustrations and 13 duotones. September, 1987.

### Assistant Secretary for Research

Smithsonian Support for Research, Exhibitions, Acquisitions, Education, and Publication. 20 pages. September, 1987.

### National Museum of African Art

Educational Programs and Resources. 24 pages, 13 color slides and 9 black and white illustrations. September, 1987.

### Office of Membership and Development

James J. Smithson Society Dinner Program 1987. 24 pages. September, 1987.

### Office of Public Affairs

A Guide to the Smithsonian for Disabled Visitors. 28 pages, 14 black and white illustrations, 1 map. September, 1987.

## Brochures

### Anacostia Museum

Climbing Jacob's Ladder. 10 pages, 8 black and white illustrations. May, 1987.

Contemporary Visual Expressions. 8 pages, 6 color and 1 black and white illustration, 2 line drawings. May, 1987.

### Arthur M. Sackler Gallery

Arthur M. Sackler Gallery. 8 pages, 10 color illustrations. September, 1987.

### Hirshhorn Museum and Sculpture Garden

Hirshhorn Museum and Sculpture Garden Winter/Spring 1987 Calendar. 8 pages, 9 black and white illustrations. January, 1987.

Hirshhorn Museum and Sculpture Garden Spring/Summer 1987 Calendar. 8 pages, 12 black and white illustrations. April, 1987.

Lucian Freud. 4 pages, 5 black and white illustrations. September, 1987.

Morris Louis. 4 pages, 4 black and white illustrations. May, 1987.

Nancy Graves: A Sculpture Retrospective. 4 pages, 6 black and white illustrations. February, 1987.

Roger Brown. 4 pages, 6 black and white illustrations. August, 1987.



National Museum of African Art

National Museum of African Art. 10 pages, 4 color and 5 black and white illustrations. May, 1987.

Office of Public Affairs

Brochure Commemorating the Opening of the Smithsonian's Museum and Garden Complex. 4 pages, 1 black and white illustration, 1 line drawing, color folder. September, 1987.

Explore Your Heritage. 8 pages, 3 black and white illustrations. September, 1987.

Flyers

National Museum of African Art

Docent Program: National Museum of African Art. 2 pages, 1 line drawing. February, 1987.

National Museum of African Art Calendar of Events: Fall, 1987. 2 pages, 5 black and white illustrations. September, 1987.

Office of Elementary and Secondary Education

Intern '87. 6 pages, 8 black and white illustrations. December, 1986.

Smithsonian Tropical Research Institute

Barro Colorado Monument. 2 pages, 7 color and 2 black and white illustrations, 3 line drawings. March, 1987.

Folders

Office of Fellowships and Grants

Research and Study Opportunities at the Smithsonian Institution. 6 pages, 1 line drawing. September, 1987.

Office of Horticulture

The Trees of Christmas. 6 pages, 1 black and white illustration, 2 maps. December, 1986.

Office of Public Affairs

The Smithsonian's New Museum Complex on the Mall. 4 pages, 1 color illustration, 1 line drawing. July, 1987.

Invitations

National Museum of American Art

Modern American Realism: The Sara Roby Foundation Collection. 3 pages, 1 color illustration.

## Office of Public Service

Opening of the Smithsonian Institution's New Museum and Garden Complex: The Arthur M. Sackler Gallery, the Enid A. Haupt Garden, the National Museum of African Art, and the S. Dillon Ripley Center.

Associate Donor Open House. 3 pages, 1 black and white illustration, 1 line drawing. July, 1987.

Board of Regents Dinner and Reception. 3 pages, 1 black and white illustration, 1 line drawing. July, 1987.

Congressional Open House. 1 page. July, 1987.

Facilities Service Reception. 1 page. July, 1987.

James S. Smithson Society Dinner. 1 page. July, 1987.

Office of the Committee for a Wider Audience Reception. 1 page. July, 1987.

The Opening of the Smithsonian's New Museum Complex. Announcement. 2 pages, 2 line drawings. July, 1987.

### Opening of the Arthur M. Sackler Gallery

Black-Tie Dinner. 1 page. July, 1987.

Festschrift in Celebration of Dr. Arthur M. Sackler. 4 pages, 2 black and white illustrations. July, 1987.

Reception for the Opening of the Arthur M. Sackler Gallery. 4 pages, 1 color illustration. July, 1987.

Recreations with the Muses: Creativity and the Human Life Cycle. 4 pages, 1 black and white illustration. July, 1987.

### Opening of the National Museum of African Art

African Art Studies: The State of the Discipline. 4 pages, 1 line drawing. July, 1987.

Black-Tie Dinner. 1 page. July, 1987.

Reception for the Opening of the National Museum of African Art. 4 pages, 1 color illustration. July, 1987.

### Opening of the S. Dillon Ripley Center

Directorate of International Activities/Smithsonian Institution Traveling Exhibition Service Evening Lecture. "Tomorrow's Children: The Outlook for the Next Generation," by David Maybury-Lewis. 1 page. July, 1987.

Directorate of International Activities/Smithsonian Institution Traveling Exhibition Service Reception. 4 pages, 1 color illustration. July, 1987.

Directorate of International Activities/Smithsonian Resident Associate Program Evening Lecture. "The Americas: One Shared Memory," by Carlos Fuentes. 1 page. July, 1987

Directorate of International Activities/Smithsonian Resident Associate Program Reception. 4 pages, 1 color illustration. July, 1987.

International Center Film Program and Luncheon. "In the Shadow of the Forest: The Baka Pygmies." 4 pages, 1 line drawing. July, 1987.

## Newsletters

### Office of Elementary and Secondary Education

Art to Zoo. Published quarterly.

Let's Go to the Smithsonian. Published monthly, September through May.

### Office of Public Affairs

Smithsonian Institution Research Reports Number 50, Winter 1986. January, 1987.

Smithsonian Institution Research Reports Number 51, Spring 1987. June, 1987.

Smithsonian Institution Research Reports Number 52, Autumn 1987. August, 1987.

## Posters

### Arthur M. Sackler Gallery

Arthur M. Sackler Gallery Inaugural Poster. September, 1987.

Discover Asian Art. September, 1987.

In Praise of Ancestors: Ritual Objects from China. September, 1987.

Monsters, Myths, and Minerals. September, 1987.

Pavilions and Immortal Mountains: Chinese Decorative Art and Painting. September, 1987.

### Naturalist Center Identification Series

Butterflies and their Flowers. 10 color illustrations. April, 1987.

Distributed by SI Press/\$5.00.

### Office of Fellowships and Grants

Fellowships in Residence at the Smithsonian Institution, 1988-1989. 1 color illustration. September, 1987.

Fellowships in Residence at the Smithsonian Institution: Rockefeller Foundation Residency Program in the Humanities, 1988-1989. 1 color illustration. September, 1987.

## SERIES PUBLICATIONS

### Smithsonian Contributions to Botany

62. Patricia G. Palmer and Susan Gerbeth-Jones. "A Scanning Electron Microscope Study of the Epidermis of East African Grasses, IV." 120 pages, 86 black and white plates. October 27, 1986.
64. Harold Robinson and Clodomiro Marticorena. "A Palynological Study of the Liabeae (Asteraceae)." 50 pages, 208 black and white figures. October 10, 1986.
65. Thomas R. Soderstrom, Roger P. Ellis, and Emmet J. Judziewicz. "The Phareae and Streptogyneae (Poaceae) of Sri Lanka: A Morphological-Anatomical Study." 27 pages, 8 black and white figures. April 15, 1987.



### Smithsonian Contributions to the Earth Sciences

27. Eugene Jarosewich, Roy S. Clarke, Jr., and Julie N. Barrows, editors. "The Allende Meteorite Reference Sample." 49 pages, 32 tables. February 24, 1987.

### Smithsonian Contributions to the Marine Sciences

28. Stephen J. Culver and Martin A. Buzas. "Distribution of Recent Benthic Foraminifera off the North American Pacific Coast from California to Baja." 634 pages, 131 black and white figures, 2 tables. December 29, 1986.
29. Jane E. Lewis and James N. Norris. "A History and Annotated Account of the Benthic Marine Algae of Taiwan." 38 pages, 1 black and white figure. June 8, 1987.
30. Stephen J. Culver and Martin A. Buzas. "Distribution of Recent Benthic Foraminifera off the Pacific Coast of Mexico and Central America." 184 pages, 115 black and white figures. September 10, 1987.

### Smithsonian Contributions to Paleobiology

60. Roberta K. Smith and Martin A. Buzas. "Microdistribution of Foraminifera in a Single Bed of the Monterey Formation, Monterey County, California." 33 pages, 4 black and white figures, 2 black and white plates, 7 tables. October 27, 1986.
61. Clayton E. Ray, editor. "Geology and Paleontology of the Lee Creek Mine, North Carolina, II." 283 pages, 49 black and white figures, 80 black and white plates, 21 tables. June 15, 1987.

### Smithsonian Contributions to Zoology

437. Hernan Ortega and Richard P. Vari. "Annotated Checklist of the Freshwater Fishes of Peru." 25 pages, 1 black and white figure, 1 table. October 10, 1986.
442. Richard P. Vari and Hernan Ortega. "The Catfishes of the Neotropical Catfish Family Helogenidae (Ostariophysi: Siluroidei)." 20 pages, 9 black and white figures, 3 tables. November 21, 1986.
443. Horton H. Hobbs, Jr. "A Review of the Crayfish Genus Astacoides (Decapoda: Parastacidae)." 50 pages, 23 black and white figures. March 24, 1987.
444. David K. Camp and Raymond B. Manning. "Observations on Nannosquilla, with Descriptions of Three New Species from the Northwestern Atlantic (Crustacea: Stomatopoda)." 17 pages, 8 black and white figures. November 21, 1986.
445. Richard S. Houbbrick. "Anatomy, Reproductive Biology, and Phylogeny of the Planaxidae (Cerithiacea: Prosobranchia)." 57 pages, 27 black and white figures, 6 tables. March 18, 1987.
446. Paul J. Spangler and Silvia Santiago. "A Revision of the Neotropical Aquatic Beetle Genera Disersus, Pseudodisersus, and Potamophilops (Coleoptera: Elmidae)." 40 pages, 140 black and white figures. February 24, 1987.
447. Masahiro Dojiri and Roger F. Cressey. "Revision of the Taeniacanthidae (Copepoda: Poecilostomatoida) Parasitic on Fishes and Sea Urchins." 250 pages, 166 black and white figures, 5 tables. April 17, 1987.

448. Marjorie L. Reaka and Raymond B. Manning. "The Significance of Body Size, Dispersal Potential, and Habitat for Rates of Morphological Evolution in Stomatopod Crustacea." 46 pages, 11 tables. March 24, 1987.
449. Anne C. Cohen and Louis S. Kornicker. "Catalog of the Rutidermatidae (Crustacea: Ostracoda)." 11 pages. February 24, 1987.
450. Oliver S. Flint, J. Frank McAlpine, and Herbert H. Ross. "A Revision of the Genus Leptonema Guerin (Trichoptera: Hydropsychidae: Macronematinae)." 193 pages, 798 black and white figures, 31 maps, 1 dendrogram. July 16, 1987.
451. Karl V. Krombein and J. van der Vecht. "Biosystematic Studies of Ceylonese Wasps, XVII: A Revision of Sri Lankan and South Indian Bembix Fabricius (Hymenoptera: Sphecoidea: Nyssonidae)." 30 pages, 36 black and white figures. March 26, 1987.
452. Robert H. Gibbs, Jr., and William H. Krueger. "Biology of Freshwater Fishes of the Bermuda Ocean Acre." 187 pages, 4 black and white figures, 169 tables. June 17, 1987.
455. C. W. Hart, Jr., and Janice Clark. "An Interdisciplinary Bibliography of Freshwater Crayfishes (Astacoidea and Parastacoidea) from Aristotle through 1985." 437 pages. March 28, 1987.

#### Smithsonian Folklife Studies

5. Robert Sayers with Ralph Rinzler. "The Korean Onggi Potter." 292 pages, black and white frontispiece, 117 black and white figures. July 15, 1987.

#### Smithsonian Studies in History and Technology

48. Robert F. Multhauf and Gregory Good. "A Brief History of Geomagnetism and a Catalog of the Collections of the National Museum of American History." 87 pages, 76 black and white figures. April 2, 1987.

#### DIRECT MAIL PUBLICATIONS

##### Books

- Boyne, Walter J. The Smithsonian Book of Flight. 288 pages, 186 color and 158 black and white illustrations. May, 1987. Retail: \$26.97; Associates: \$22.95.

##### Recordings

- Jimmie Rodgers on Record: America's Blue Yodeler. Selected and annotated by Nolan Porterfield. 24 page booklet with 9 illustrations accompanies 2 records or 1 cassette. December, 1987. Retail: \$16.98; Associates: \$15.25.
- Singers and Soloists. Selected by Martin Williams and annotated by Mark Tucker. 78 page booklet with 58 illustrations accompanies 6 records or 4 cassettes. September, 1987. Retail: \$47.96; Associates: \$44.96.
- Smithsonian Collection of Classic Jazz. Selected and annotated by Martin Williams; biographies by Ira Gitler. 120 page booklet with 31 illustrations accompanies 7 records or 5 cassettes. February, 1987. Retail: \$49.96; Associates: \$44.96.

## Appendix 6

### Publications of the Staff of the Smithsonian Institution and Its Subsidiaries in Fiscal Year 1987

#### NATIONAL ZOOLOGICAL PARK

##### Director

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- . 1986. Egg-sac burying behavior in Nephila maculata: a specialized adaptation. Proceedings, Ninth International Congress of Arachnology, W.G. Eberhard, H.D. Lubin and B.C. Robinson, eds., pp. 245-254, Smithsonian Institution Press, Washington, D.C.
- . 1987. Zoos today and tomorrow. Place, January-February, pp. 22-24, Washington, D.C.
- . 1987. Phenomena, comments and notes. Smithsonian, 17(11), pp. 30-37, Washington, D.C.
- . 1987. The actual and potential role of biological research in the development of exhibits. American Association of Zoological Parks and Aquariums, Regional Proceedings, pp. 12-18.
- . 1987. [Review] Spiders: Webs, Behavior and Evolution by William A. Shear, ed. National Geographic Research, 3(3):273-275.
- . 1986. The biological resources of Southeast Asia and future development. Proceedings, ASEAN Science and Technology Convergence, Kuala Lumpur, Malasia.
- . Alternatives to destruction. Biodiversity, E.O. Wilson ed., National Academy Press, Washington, D.C. (in press).

##### Registrar

- Block, Judith A. 1987. Wildlife regulations in the United States: A review of Controlled Wildlife Volume III: State Wildlife Regulations. Zoo Biology 6:89-90.

##### Department of Animal Health

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- Bush, M., L.G. Phillips and R.J. Montali. 1987. Clinical management of captive tigers. Tigers of the World: The Biology, Biopolitics, Management and Conservation of an Endangered Species, R.L. Tilson and U.S. Seal, eds., Noyes Publications, Park Ridge (in press).



- Chaudhuri, M., D.G. Kleiman, D.E. Wildt, M. Bush, E.S. Frank and R.B. Thau. 1987. Urinary steroid levels during natural and induced estrus, pregnancy and pseudopregnancy in the giant panda. Proceedings. Society for the Study of Reproduction, Supplement 1, 34:146.
- Citino, S.B., M. Bush and L.G. Phillips. 1987. ECG of the month. Journal of the American Veterinary Medical Association. 190:950-951.
- Goodrowe, K.L. and D.E. Wildt. 1987. Ovarian response to human chorionic gonadotropin or gonadotropin releasing hormone in natural or induced-estrus cats. Theriogenology 29:811-817.
- Howard, J.G., M. Bush, V. de Vos, M.C. Schiewe, V.G. Pursel and D.E. Wildt. 1986. Influence of cryoprotective diluent on post-thaw viability and acrosomal integrity of spermatozoa from the African elephant (Loxodonta africana). Journal of Reproduction and Fertility (in press).
- Monfort, S.L., C. Wemmer, M. Bush, T.H. Kepler and D.E. Wildt. 1987. Effective diagnosis of pregnancy and parturition onset in Eld's deer (Cervus eldi): Evaluation of urinary hormonal metabolites. American Association of Zoo Veterinarians. Annual Proceedings (in press).
- O'Brien, S.J., G.E. Collier, R.E. Benveniste, W.G. Nash, A.K. Newman, J.M. Simonson, M.A. Eichelberger, U.S. Seal, D. Janssen, M. Bush and D.E. Wildt. 1987. Setting the molecular clock in Felidae: The great cats, Panthera. Tigers of the World: The Biology, Biopolitics, Management and Conservation of an Endangered Species, R.L. Tilson and U.S. Seal eds., Noyes Publications, Park Ridge (in press).
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- Cheng, Y.T. and M. Garoczy, "Application of Neutron Radiography and Activation Analysis to the Study of Ancient Bronzes," Poster, American Institute for Conservation Annual Meeting, Vancouver BC, May 20-24, 1987.
- Cunningham, Roland H. Lecture given in CAL Furniture Conservation course, "Ultraviolet and Infrared Photography and Examination of Painted Objects," March 1986.
- Erhardt, David, Instructor for the short course "The Museum Environment", given at the Conservation Analytical Laboratory, Smithsonian Institution, June 22-26, 1987. Lecture topics included the effect of environmental conditions on degradation processes, and sources, effects and control of pollution in the museum.
- Erhardt, David, Instructor for the short course "Examination, Documentation and Analysis of Furniture" given at the Conservation Analytical Laboratory, Smithsonian Institution, March 2-14, 1987. LECTURED and conducted demonstrations on the chemistry, analysis, and identification of historic wood finishes.



- Erhardt, David, "The Evaluation of Artificial Aging Conditions Through the Analysis of Extracts of Artificially Aged Paper", lecture presented at the University of London Institute of Archaeology Jubilee Conservation Conference, London, July 1987.
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- Williams, Donald C., organizer, assistant administrator, faculty member, Smithsonian Institution/ Conservation Analytical Laboratory Furniture Conservation Training Program. Course topics: "Furniture History and Construction", December 1986, "Methods of Examination, Analysis, and Documentation of Furniture", March 1987, "Adhesives for Furniture Conservation", June 1987, "Structural Conservation of Furniture", September 1987.
- Williams, Donald C., sponsor and organizer, workshop "Conservation of Marquetry and Biddlework", October 1986.
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Russia, The Land, The People (2 posters)

## OFFICE OF ELEMENTARY AND SECONDARY EDUCATION

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## OFFICE OF TELECOMMUNICATIONS

### FILM AND VIDEO PRODUCTIONS

- This listing contains material based on research done by Smithsonian curators or other personnel:
- From Reliable Sources A half-hour film that chronicles the role of the Archives of American Art in documenting the history of American art. (AAA)
- Disabled Museum Visitors: Part of Your General Public A 23-minute video production designed to show docents the most effective and appropriate ways to work with disabled visitors. (OESE)
- Diversity Endangered A 10-minute video production demonstrating the interrelatedness of living organisms and the part man plays in disturbing or preserving the crucial balance. (OTC)

Field to Factory -- 1915 to 1940: The Urban North A 7-minute video production was created as an element in the "Field to Factory" exhibition. (MAH)  
Northwest Coast Indian Masking A 5-minute videotape was produced as part of the Hall of Indian and Eskimo Cultures exhibition. (MNH)

HERE AT THE SMITHSONIAN... - three-minute television features

This listing contains material based on research done by Smithsonian curators or other personnel:

A Smithsonian Holiday Preparations for the holidays include card collection exhibition, tree trimming and gingerbread baking. (MAH)  
Russia: The Land, the People A new travelling exhibition gives Americans their first look at the art of late-19th-century Russia. (SITES)  
The Harlem Renaissance A look back at Harlem in the 1920's -- a cultural Mecca for black artists, musicians, writers and thinkers of the day. (AM)  
A Painter at Large A 25-year retrospective of the work of James Rosenquist who became one of the most provocative exponents of Pop-art. (NMAA)  
From Field to Factory An exhibition chronicles the "great migration" that occurred early in the 20th century when thousands of blacks from the rural South journeyed to the industrial centers of the North searching for work. (MAH)  
Second Nature Canadian artist Robert Bateman discusses his depictions of wildlife in action that have made him a popular spokesman for conservation. (MNH)  
Engines of Change A look at the transformation of American society brought on by the 19th century's explosion of technology, now known as the Industrial Revolution. (MAH)  
Meet the Beetles The Insect Zoo is a place where young and old can learn about the fascinating world of insects and how entomologists study them. (MNH)  
Capturing the Spirit On the 60th anniversary of Lindbergh's historic crossing of the Atlantic, the story of his other important flights in this plane and how it ended up at the Smithsonian are told. (NASM)  
A Firm Grip on Reality While the art world of the 1940's and 50's was agog with abstract expressionism, less attention was paid to artists who continued to work in figurative realism. A new Smithsonian collection of this art is explored. (NMAA)  
Zoo Vets A day in the life of a veterinarian diagnosing what's ailing a snake, a gorilla or a giant panda. (NZP)  
Spanning the Spaces A two-sided look at the ways bridges have fostered industrial progress and inspired some of the best-known artists of the 20th century. (MAH/HMSG)  
American Art Deco A survey of the most important decorative style of the 1920's and 30's, whose flashy colors and streamlined shapes pervaded the design of everything from radios to Radio City Music Hall. (NMAA)  
The Making of a Dinosaur Scientists are dispelling some of the myths about dinosaurs while museum goers watch them unearth a dinosaur skeleton from a 10-ton block of stone. (MNH)  
TR in Africa Museum visitors still marvel at finds from Teddy Roosevelt's March 1909 expedition to Africa, items among the Smithsonian's most valuable collections. (MNH)  
Contemporary Expressions The Anacostia Museum opens the doors to its new home in Southeast Washington, D.C., with a new mission and a new exhibition of works by four contemporary black artists. (AM)

Rediscovering John LaFarge A century ago his works in oil, watercolor and stained glass were considered some of the finest examples of American art. Now, after years of relative obscurity, a new exhibition is helping to restore him to prominence. (NMAA)

Folklife Festival '87 A look at what goes into organizing the Annual Festival of American Folklife featuring highlights from this year's festival. (OFF)

Biosphere II In the Arizona desert scientists are creating a 2½ acre, self-contained model of Earth (Biosphere I). A Smithsonian scientist involved in the project explains it and how the model might one day lead to a space colony on Mars. (MNH)

Portrait of a Life By presenting paintings, photographs, caricatures, dramatic performances and even public discussions with living, prominent Americans, the National Portrait Gallery is redefining what a portrait can be. (NPG)

RADIO SMITHSONIAN - 52 half-hour radio programs.

The partial listing of segments, which follows, contains material based on research done by Smithsonian curators or other personnel:

"A More Perfect Union" Addresses the controversial relocation of Americans of Japanese ancestry during World War II and the constitutional guarantee of citizens' rights. (MAH)

"Woodrow Wilson's Fellows" A profile of the Woodrow Wilson International Center for Scholars and its commitment to bringing together the world of affairs and the world of ideas. (WWICS)

"Book Conservation Lab" Conservators discuss latest restoration and conservation treatments for rare materials and books. (CAL)

"Dino-Revolution: Images of Dinosaurs Past and Present" Curators, researchers and artists trace the changing images of dinosaurs and their environments from the late 1800's, when they were portrayed as clumsy, pea-brained giants to today's interpretations of sleeker, smarter, more aggressive creatures. (MNH)

"World Beat in the American Capital" Performances and interviews with musicians from the 21st Annual Festival of American Folklife. (OFF)

"Superman: Many Lives, Many Worlds" New exhibition chronicles the history of the man of steel. (MAH)

"The Feather Detective" A Smithsonian vertebrate zoologist explains her work with law enforcement officials in identifying birds. (MNH)

"Artificial Heart Donation" A discussion of the Jarvik 7 artificial heart as the prototype is donated to the Smithsonian. (MAH)

"America's Space Trunk" The story of the U.S. space shuttle program as told in a new exhibition. (NASM)

"Mail in Motion" Letter carriers and historians reminisce about the joys, headaches and heartbreaks of America's letter carriers and demonstrate mail collection equipment techniques from 1863-1987. (MAH)

"The Lindbergh Legacy" A tribute to the pilot and his aircraft on the 60th anniversary of his journey across the Atlantic. (NASM)

"American Art Deco" A discussion of the most important decorative style of the late 1920's and 30's, featured in a new exhibition. (NMAA)

"Thyme on My Hands" A Smithsonian entomologist and a scientific illustrator tell the story of producing a whimsical, philosophical book about gardening in the English tradition. (MNH)



"Garden Planning and Design" Horticulturists share their knowledge of site development, choice of plants and maintenance in a seminar on the basic principles of gardening. (OH)

"Haupt Garden" Planners and designers introduce the garden atop the new underground museum complex. (OH)

"Spineless Wonders" A tour of the Zoo's new first-of-its-kind exhibition of invertebrate animals. (NZP)

"Grooming the Giraffe" A taxidermist explains his craft while repairing a flood-damaged giraffe collected by Teddy Roosevelt in 1909. (MNH)

"The Far Side of Science" Cartoonist Gary Larson visits an exhibition of over 500 of his drawings while Smithsonian scientists, some of his greatest fans, comment on their favorite cartoons.

"America's Many Voices" Presentations of song, music, oratory and other folk traditions which highlight the role of language in the preservation of cultural heritage, from the 21st Annual Festival of American Folklife. (OFP)

"Contemporary Visual Expressions" A tour of the inaugural exhibition at the new location of the Anacostia Museum presenting works of four contemporary black American artists. (AM)

"The Songs and Times of Richard Allen" A tribute to the hymn writer and church builder who helped form the African Methodist Episcopal Church.

"Play by Eye" As musicians play by ear, children play by eye and describe their spontaneous creations in a workshop, which coincides with a memorial exhibition of the work of abstract painter Gene Davis. (MNAA)

"Traditional Dance and Song of the Seneca" Music and dance of the Iroquois with commentary from ethnomusicologists and folklorists from the American Indian Program. (MAH)

"Installing the Chesapeake" Biologist Walter Adey explores the delicate ecology of the Chesapeake Bay as he recreates the world's most productive estuarine environment in a museum. (MNH)

"Scientists for a Day" The Environmental Research Center invites elementary students to study the physical properties of the Chesapeake Bay and its subestuaries. (ERC)

"The Age of the Sultan Suleyman the Magnificent" A private showing of the National Gallery's extraordinary exhibition honoring the "Grand Turk" who led the Ottoman Empire to its cultural peak. (FGA)

"The Constitution: Youth and Justice" Teens from across the country meet with constitutional scholars for a debate on contemporary issues, coinciding with the Smithsonian's International Symposium commemorating 200 Years of the Constitution. (OIS)

"Second Nature" Two exhibitions celebrate the work of contemporary wildlife artist Robert Bateman and the man whose work inspired him, John James Audubon. (MNH)

"The Making of a Dinosaur" A behind-the-scenes look at a working fossil preparation laboratory where technicians chisel away at a ten ton block of rock in search of a dinosaur. (MNH)

"Visualizing the Impossible" Sculptor Nancy Graves discusses her creative and evocative art in conjunction with a major retrospective of her work. (HMSG)

"Is There Life in Outer Space?" Scientists involved in current research into extraterrestrial life debate the possibility of life on distant worlds and recent attempts to locate it. (RAP)

"Evolution of Terrestrial Ecosystems" Anthropologists and paleobiologists discuss ways of comparing land ecosystems through time. (MNH)

"The Supreme Camouflage Artist" Entomologist David Nickle returns from Peru to discuss Amazon Katydid's and their fantastically varied songs and appearances. (MNH)

"Insect Zoo" School groups tour an exhibit hall devoted solely to insects and their relatives. (MNH)

"The Information Revolution" An installation scheduled for 1989 is one of the Smithsonian's most ambitious exhibitions ever and is devoted to the history and operation of computers. (MAH)

"Intelligence: Natural and Artificial" Computer scientists say the next generation of computer hardware will "think" as well as blink. At the Smithsonian and the National Geographic Society, a look at how the human brain works and how well computers of the future will be able to duplicate it. (MAH)

"The Pedal and the Mettle" A new book chronicles the history and lore of the independent trucker. (SIP)

"Silver Anniversary Portrait" A salute to the National Portrait Gallery as it enters its 25th year. (NPG)

"Via Air Express" Curator Ron Davies chronicles the 70-year history of getting it there overnight. (NASM)

"Sigmund Romberg: Will You Remember?" The story of the Hungarian-born composer whose operetta music helped lay the foundation for American popular song with research specialist Dwight Bowers. (MAH)

"Fiddler on the Beach" At the Marine Biology Laboratory at STRI, biologist John Christy studies the ubiquitous but mysterious fiddler crab. (STRI)

"Engines of Change" A new exhibition details the transformation of American society brought on by the 19th century's explosion of technology, now known as the Industrial Revolution. (MAH)

"From Field to Factory" Historian Spencer Crew discusses his efforts to chronicle the "great migration" of hundreds of thousands of blacks from the rural South to the industrial centers of the North as they searched for work. (MAH)

"The Portrait in Miniature" Curator Robin Bolton-Smith discusses a new gallery devoted to the unique medium of the miniature--popular in the 1700's and enjoying a revival today. (NMAA)

"The Portrait Writ Large" A 25-year retrospective of the work of James Rosenquist, one of the most provocative exponents of Pop-art. (NMAA)

"Genius at the Margins" A display of books from the Dibner Library, dating back to the 15th century, complete with the handwritten annotations of the brilliant scientists who used them in their work. (MAH)

"The Wildest Food on Earth" Stalking the elusive "free lunch" with the wild plant fancier Ruth Smith. (MNH)

"The Best Food in Space" An exhibition reveals the ways and means of weightless cuisine. (NASM)

"Commuters on the Orient Express" Dr. John Anderson, Jr., this year's Lindbergh Scholar, discusses the work now being done to develop a hypersonic airplane that can fly from New York to Tokyo in two hours. (NASM)

"Passage by Pachyderm" Caroline Stanley-Millson details her use of elephants as transportation and special helpers in her studies of tribal architecture in Southern India. (NZP)

"A Century of Struggle" A look at how far labor has come coincides with the centennial of the American Federation of Labor. (MAH)

"Families" Family stories gathered from across America form a tribute to the Christmas season. (OTC)

"The Holiday Spirit" A celebration of the holidays with international music, craftspeople and "The Trees of Christmas." (MAH)

"Russia: The Land, The People" An exhibition of late-19th-century Russian art tours the U.S. under the auspices of the Smithsonian's Traveling Exhibition Service and sparks a major gathering of scholars to discuss art, culture and politics of 19th-century Russia. (SITES)

"The Hawk That's Ruled by a Mouse" Ornithologist Frances Hammerstrom has spent years pursuing the secrets of the Marsh Hawk on the Wisconsin prairies and published her studies in a new book. (SIP)

"Bee Eater Society" Studies of a species of bee eaters, an African bird, reveal an advanced social order with elaborately extended families. (MNH)

"The People of China" Artist Lunda Hoyle Gill's portraits reflect the faces of the world's most populous nation. (MNH)

"Italy's Golden Age of Flight" An exhibition honors the centennial of the birth of Italian aviation pioneer Gianni Caproni whose plane flew history's first paying passenger. (NASM)

"The Rise of the Fighter Aircraft" Aviation historian Richard Hallion recounts the advent of fighter planes and fighter pilots in World War I. (NASM)

"The Sands of the Nile" Oceanographer Daniel Stanley, one of the world's foremost authorities on marine sedimentology, describes the past, present and future of the river that feeds a nation. (MNH)

"The Making of Deserts" Why and how are deserts formed? Can we avoid killing droughts? These are some of the questions pursued by geologists using Landsat images and on-site observations in Africa. (NASM)

"Discoveries from Ancient Rome" Herculaneum was recently unearthed and is proving to be even better preserved than Pompeii; Baldo Conticello, superintendent, describes the site. (MNH)

"Ice Age History" Glacial periods of the world are reviewed by Museum of Natural History's director Robert Hoffman. (MNH)

"Jivaro Diary" Explorer/researcher Robert McCracken Peck recounts his recent travels in the Cordillera de Cutucu in Ecuador, home of the Jivaro Indians, best known for their headhunting proclivities. (MNH)

"Turkey Calls, Rice Straw and the Law" A review of the crafts and craftspeople, folk and folklore from the 20th Annual Festival of American Folklife, featuring Japan and Tennessee as well as the lore of trial lawyers. (OFF)

"Black, White and Blues" Music from the Folklife Festival serves as the source for a program examining the roots of American music and the connections between the folk music of the many cultures that converged in the formative years of the United States. (OFF)

"Virtuosi, Part Two" (1st program aired in FY 1986) Highlights from the Smithsonian Collection of Recordings' recent release, a package of rare selections dating back to 1926 and featuring performances by such masters as Reginald Kell, Yehudi Menuhin, Dennis Brain, and Leon Goossens with commentary by critic and annotator Richard Freed. (SIP)



SMITHSONIAN INSTITUTION PRESS

- Williams, Martin, "How Long Has This Been Going On? II Changes in Changes." Jazz Times February 1987.
- \_\_\_\_\_, "How Long Has This Been Going On? III In Praise of Eric Dolphy." Jazz Times March 1987.
- \_\_\_\_\_, "How Long Has This Been Going On? IV The Fruits of Conservatism." Jazz Times April 1987.
- \_\_\_\_\_, "Jazz in New Grove Dictionary of American Music?" Sonneck Society Bulletin, Summer 1987.
- \_\_\_\_\_, "Duke Ellington The Grand Old Man of Jazz" [review]. Washington Post Book World, September 20, 1987.
- \_\_\_\_\_, "John D. MacDonald at his Peak." Washington Post Book World, January 17, 1988.

ASSISTANT SECRETARY FOR ADMINISTRATION

Office of Information Resource Management

- Russo, Joseph L. "The Stability of Classification and Phylogenetic Uncertainty: Scombroidei, a Case Study." Presented at the Sixth Annual meeting of the Willi Hennig Society, New York, N.Y., November 7-10, 1986.
- Sledge, Jane. "Survey of Collections Management Systems and Practice - The United States and Canada." Presented at the International Conference on Collections Management for Museums, organized by Museum Documentation Association, Cambridge, England, September 26-29, 1987.
- Toney, Stephen R. "Is Data Administration Part of IRM Policy and Planning or Part of Systems Development?" Presented at Naval Sea Systems Command Data Base User Group Conference, Long Beach, California, December 3, 1986.
- \_\_\_\_\_. "Planning Techniques for Collections Information Systems." Presented at Museum Documentation Association Conference, Cambridge, England, September 27, 1987.
- Walker, Ralph. "SST - The Smithsonian Simple Typesetting" System Procedure of XPLOR International 7th Annual Conference, Vol. II, Sec. 35.

Office of Printing and Photographic Services

- Photographic Services, Smithsonian Institution. Reflections On The Wall, The Vietnam Veterans Memorial, 160 pp., Stackpole Books, Harrisburg, Pa: Principal photographers: Richard Hofmeister, Dane Penland, Jeff Tinsley, Jeffrey Ploskonka. Designed by Jim Wallace, Director OPPS. Text by Edward Clinton Ezell, Curator Armed forces History, NMAH.

READING IS FUNDAMENTAL, INC.

RIF Newsletter. Published three times a year, the Newsletter reports on RIF activities nationwide. A technical assistance insert, addressing local projects' requests for information on how to motivate youngsters to read, is included in Newsletters sent to RIF projects. The Newsletter reaches 24,000 people throughout the United States and offshore territories.

The RIF Guide to Encouraging Young Readers (Doubleday, 1987). A sourcebook of activities, children's book suggestions, and resources for parents.

Reading Is Fundamental. A newly published brochure describing the organization and its accomplishments.

"Parent Guide" Brochures. A series of seven brochures on the topics "Choosing Good Books for Your Children," "TV and Reading," "Reading Aloud to Your Children," "Upbeat and Offbeat Activities to Encourage Reading," "Teenagers and Reading," "Children Who Can Read, But Don't...", "Encouraging Soon-To-Be Readers."

Books to Grow On: A Parent's Guide to Encouraging Young Readers. A resource for parents of children from infancy to age eleven.

The RIF Book of Ideas. A series of booklets on fundraising, selecting books for young people, and motivating children to read.

I Want You. A brochure to assist RIF projects in recruiting and training volunteers.

Reading Is Fun! Tips for Parents. A booklet offering suggestions on how to encourage children up to the age of eight to read.

Children's Bookshelf. An annotated list of 106 books for children up to the age of eleven.

Profiles. Descriptions of the publishers and distributors that serve RIF projects. The Profiles list special discounts and services offered by each supplier and are distributed annually to all projects.

## Appendix 7

The Smithsonian Institution and Its Subsidiaries, September 30, 1987

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Objects Conservator  
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Research Associate  
Research Collaborator  
Research Collaborator  
Research Collaborator  
Research Collaborator  
Research Collaborator

Susan Hobbs  
Robert M. Organ  
Rita P. Wright  
Marilyn Beaudry  
Nancy Benco  
Patricia Crown  
Emlen Myers  
Dorie Reents-Budet

## Visiting Scientist

Visiting Scientist

Veletta Carcuts

## Fellows

Regents Fellow  
Material Analysis Fellow  
Material Analysis Fellow

W. David Kingery  
Robert Ehrenreich  
Hector Neff

## Interns

Postgraduate Intern, Objects  
Postgraduate Intern, Objects  
Intern, Objects  
Inter, Objects  
Postgraduate Intern, Paintings  
Postgraduate Intern, Paintings  
Intern, Paper  
Intern, Paper  
Intern, Textiles  
Intern, Textiles  
Intern, Textiles  
Intern, Textiles

Ann Boulton  
Constance Stromberg  
Theresa Powers  
Jeffery Kimball  
Deborah Liezman  
Ingrid Lucana  
Lynn Brostroff  
Michelle Hamill  
Laura Hazlett  
Esther Methe  
Rosemarie Selm  
Jill Sigman

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Administrator	Linda Dunne
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Membership Assistant	Judy Soffian
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Assistant Curator of Drawings and Prints	Gail Davidson
Curator of Textiles	Milton Sunday
Assistant Curator of Textiles	Gillian Moss
Curator of Decorative Arts	David Revere McFadden
Museum Technician for Wallcoverings	Ann Dorfsman
Conservator, Paper	Konstanze Bachmann
Conservator, Textiles	Lucy Commoner
Designer	vacant
Curator of Exhibitions	Dorothy Globus
Exhibition Researcher	Lucy Fellowes
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Assistant Registrar	Steven Langehough
Automation Services Manager	Jay Vanatta
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Program Coordinator	George King
Public Information Manager	Arthur Lindo
Public Information Assistant	Michele Raphoon
Special Events Coordinator	Anne Patterson
Museum Shop Manager	Polly Dufresne
Facilities Manager	Jim Ledford
Assistant Facilities Manager	Barry Johnson
Chief of Security	Luis Palau
Librarian	Katherine Martinez

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Deputy Director	Stephen E. Weil
Executive Officer	Nancy Kirkpatrick
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Curator of Exhibitions	Cynthia Jaffee McCabe*
Curator of Prints/Drawings	Frank Gettings
Associate Curators	Valerie Fletcher
	Phyllis Rosenzweig
	Judith Zilczer

\* died November 5, 1986

Librarian  
Chief Conservator  
Conservators

Registrar  
Chief, Exhibits and Design  
Chief, Education  
Public Information Officer  
Photographer  
Building Manager

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Laurence Hoffman  
Leland Aks  
Clarke Bedford  
Susan Lake  
Meredith Michelson Wippman  
Douglas Robinson  
Edward Schiesser  
Edward Lawson  
Sidney Lawrence  
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Deputy Director  
Assistant for Special Projects  
Chief, Public Affairs  
Membership and Corporate  
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Rita C. Cipalla

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Chairman, Department of Aeronautics  
Special Advisor for Technology  
Senior Curator  
Curators

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Howard S. Wolko  
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R. E. G. Davies  
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Robert van der Linden  
Peter L. Jakab  
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Assistant Curator  
Historian  
Historian Emeritus

Chairman, Center for Earth and  
Planetary Studies  
Geologists

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Patricia A. Jacobberger  
Priscilla L. Strain  
Thomas R. Watters  
Constance G. Andre

Research Associate

Acting Chairman, Space Science and  
Exploration Department  
Curators

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David H. DeVorkin  
Allan A. Needell  
Paul E. Caruzzi  
Derek W. Elliott  
Frank H. Winter  
Cathleen S. Lewis

Associate Curator  
Assistant Curator  
Historian

Chief, Publications  
Chief, Volunteer Services  
Chief, Education  
Manager, Cooperative Programs

Patricia J. Graboske  
Patricia M. Long  
Kasse Andrews-Weller  
Helen C. McMahon



Assistant Director for Collections  
Management  
Foreman, Preservation  
Restoration Division  
Chief, Collections Maintenance  
Chief, Art Department  
Chief, Information Management  
Registrar

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Alfred J. Bachmeier  
Mary S. Henderson  
Karl P. Suthard  
Robin A. Schroffel

Assistant Director for  
Administration  
Outreach and Employee Program  
Manager

Wendy A. Stephens

M. Antoinette Amcs

Assistant Director for Exhibits  
Chief, Design Unit  
Chief, Production Unit  
Chief, Audiovisual Unit

Nadya A. Makoveryi  
Lucius E. Lomax  
Harold J. Pippin  
David N. Heck

Assistant Director for Museum  
Operations  
Theater and Planetarium Manager  
Chief, Planetarium  
Museum Facilities Manager  
Office Automation Manager

E. T. Wooldridge  
Ronald E. Wagaman  
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Alfred Kincaid

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Associate Publisher, Advertising  
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Production Manager  
Consultants to the Magazine

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E. Cherry Doyle

NATIONAL MUSEUM OF AFRICAN ART

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Collections and Research  
Assistant Director  
Chief Curator

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Jean Salan  
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	Roslyn A. Walker
Assistant Curators	Bryna Freyer
	Andrea Nicolls
Public Affairs Officer	Margaret Bertin
Director of Development	Donna Ari
Curator of Education	Edward Lifschitz
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Chief, Office of Design	Richard Franklin
Conservator	Stephen Mellor
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Librarian	Janet Stanley
Docent/Intern Coordinator	Marjorie Turgel
Writer/Editor	Dean Trackman
Graphic Designer	Christopher Jones
Photographer	Jeffrey Ploskonka
Founding Director Emeritus and Senior Scholar	Warren Robbins

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Deputy Director	Charles J. Robertson
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Assistant Director, Museum Programs	Barbara Shissler Nosanow
Assistant Director, Museum Resources	Sherwood A. Dowling
Deputy Assistant Director for Museum Programs	Judith R. O'Sullivan
Administrative Officer	Maureen E. Damaska
Research Curator	Lois M. Fink
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Curator-in-Charge, Painting and Sculpture	Virginia M. Mecklenburg (since 6/21/87)
Curators, Painting and Sculpture	William H. Truettner Harry Z. Rand
Associate Curators, Painting and Sculpture	Robin L. Bolton-Smith Jacquelyn Serwer (until 3/28/87)
Associate Curator, Painting and Sculpture	Lynda Roscoe Hartigan (since 3/29/87)
Curator-in-Charge, Graphic Arts	Joann G. Moser
Associate Curators, Graphic Arts	Martina R. Norelli Merry A. Foresta
Assistant Curator, Barney Studio House	Jean L. Kling
Senior Conservator	Stefano Scafetta

Conservators

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R. Quentin Rankin  
Fern Bleckner  
Katherine Maynor  
(since 11/3/86)

Registrar

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Melissa L. Kroning

Assistant Registrar for Loans  
Assistant Registrar for Packing  
and Shipping

Michael R. Smallwood

Chief, Office of Design and  
Production

James W. Volkert

Chief Designer, Office of Design and  
Production

Val E. Lewton

Chief, Office of Research Support

Rachel M. Allen  
(since 6/21/87)

Coordinator, Computer Resources  
Coordinator, Inventory of  
American Paintings

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Christine M. Hennessey

Chief, Office of Public Affairs

Gaye L. Brown

Chief, Office of Intern Programs

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Head, Special Services Programs

Patricia H. Chieffo

Head, Docents and Volunteer Services

Margaret P. Cogswell

Chief Photographer

Nora M. Panzer

Librarian NMAA/NPG

Michael G. Fischer

Assistant Librarian NMAA/NPG

Cecilia H. Chin

Building Manager NMAA/NPG

Patricia M. Lynagh

Mary E. Massey  
(since 4/12/87)

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Deputy Director

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Assistant Director for

Administration

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Administrative Officer

Elizabeth E. Greene

Administrative Specialist

Shirley Vann

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Naomi Glass

Lawrence A. Bush

James D. Whoolery

Office of External Affairs

Director

Marilyn Lyons

Public Affairs

Susan Foster

Special Events

Anne Walton



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Curators	Coralee C. Gilliland Richard Doty

NATIONAL PHILATELIC COLLECTION

Executive Director	Herbert R. Collins
Curators	Reidar Norby James H. Bruns

AFRO-AMERICAN COMMUNITIES PROJECT

Director	James O. Horton
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Senior Archivist	John Fleckner
Archivists	Robert Harding Jane H. Odom

OFFICE OF BUILDING MANAGEMENT

Building Manager	Richard A. Day
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COMPUTER SERVICES CENTER

Chief	Dennis S. Dickinson
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Conservators	Martin Burke Ann Craddock Nikki Horton Lynne Gilliland

EISENHOWER INSTITUTE FOR HISTORICAL RESEARCH

Director	Vacant
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Chief, Design Division	Deborah M. Bretzfelder
Chief, Exhibits Production	Robert H. Norton
Chief, Historic Restoration	Terrence Conable

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Design	Crimilda Pontes
Editor	Robert Selim
Intern Program Coordinator	Mary Dyer
Program Manager	Harold Closter
Director, Program in Black American Culture	Bernice Reagon
Director, Program in Hispanic American History	Luz Maria Prieto
Public Information Officer	Vacant
Publications Officer	Camellia Taiwo

OFFICE OF THE REGISTRAR

Registrar	Martha Morris Shannon
Assistant Registrar	Katherine P. Spiess

OFFICE OF ACADEMIC PROGRAMS

Director	Gary Kulik
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Deputy	William L. Withuhn

Division of Agriculture and Natural Resources

Curators	Pete Daniel G. Terry Sharrer
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Division of Armed Forces History

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Historian	James Hutchins
Curator Emeritus	Philip Lundeborg

Division of Computers, Information, and Society

Curators	David Allison Jon B. Eklund
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Division of Electricity and Modern Physics

Curators	Bernard Finn Paul Forman
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Division of Engineering and Industry

Curators Carlene E. Stephens  
Robert M. Vogel  
Steven Lubar

Division of Medical Sciences

Curators Audrey B. Davis  
Ramunas A. Kondratas  
Barbara Melosh

Division of Physical Sciences and Mathematics

Curators Deborah J. Warner  
Uta C. Merzbach

Division of Transportation

Curator William L. Withuhn  
Senior Historian John H. White

Senior Historians Office

Historian Emeritus Brooke Hindle  
Senior Historian Nathan Reingold

Technology and Culture

Editor Robert Post

American Indian Program

Director Rayna Green

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Chairman Tom D. Crouch  
Deputy Susan H. Myers

Afro-American Index Project

Project Manager Fath Davis Ruffins

Division of Ceramics and Glass

Curator Susan H. Myers

Division of Community Life

Curators Richard E. Ahlborn  
Carl H. Scheele  
Spencer Crew



Division of Costume

Curator Claudia B. Kidwell  
Curator Emeritus Anne W. Murray

Division of Domestic Life

Curators Anne C. Golovin  
Rodris C. Roth  
Barbara C. Smith

Division of Graphic Arts

Curators Elizabeth M. Harris  
Helena C. Wright

Division of Musical History

Curators John T. Fesperman  
Cynthia A. Hoover  
John E. Hasse  
Horace Boyer  
James Weaver

Division of Photographic History

Curator Eugene Ostroff

Division of Political History

Curators Edith P. Mayo  
Keith E. Melder  
Curator Emeritus Margaret B. Klapthor

Division of Textiles

Curator Rita J. Adrosko

NATIONAL MUSEUM OF NATURAL HISTORY

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Associate Director James C. Tyler  
Acting Associate Director Stanwyn G. Shetler  
(Term ended July 20, 1987)  
Assistant Director for  
Special Projects Catherine J. Kerby  
Assistant Director for  
Programs Stanwyn G. Shetler

Special Assistant to the  
Director  
Special Assistant to the  
Associate Director  
Director, Quincentenary Programs  
Writer-Editor  
Administrative Officer  
Budget Analyst  
Administrative Specialist  
Management Analyst  
Assistant Director for  
Education  
Acting Assistant Director for  
Education  
Assistant Director for the  
Automatic Data Program  
Assistant Director for Exhibits  
Assistant Director for  
Collections Management  
Registrar  
Building Manager  
Supervisory Museum Specialist,  
Scanning Electron Microscope  
Laboratory

Ruth O. Selig  
  
Jerome A. Conlon  
Herman J. Viola  
Thomas R. Harney  
Mary Rakow Tanner  
Noreen Dinndorf  
Penelope K. Gift  
Marsha Sitnik  
Joan C. Madden  
(Retired July 1, 1987)  
Laura McKie  
(Appointed July 2, 1987)  
  
T. Gary Gautier  
Laurence P. O'Reilly  
  
Janet Gomon  
Margaret A. Santiago  
Edward McCoy  
  
Walter R. Brown

#### ANTHROPOLOGY

Chairman  
Administrative Specialist  
  
Collections Manager  
Conservation Laboratory  
Public Information Specialist

Adrienne L. Kaeppler  
Carole Lee Kin  
(Appointed October 1986)  
Candace Greene  
Carolyn L. Rose  
Ann Kaupp

#### Handbook of North American Indians

General Editor  
Managing Editor  
Production Manager  
Management Services Assistant  
Anthropologist  
Linguist  
Librarian

William C. Sturtevant  
R. H. Ives Goddard III  
Diane Della-Loggia  
Melvina Jackson  
Joanna C. Scherer  
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Lorraine H. Jacoby

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Assistant Director

Adrienne L. Kaeppler  
Wendy A. Shay

National Anthropological Archives

Archivist  
Assistant Archivist

James R. Glenn  
Paula Fleming

Latin American Anthropology

Curator  
Associate Curator  
Expert

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William H. Crocker  
Betty J. Meggers

North American Anthropology

Curators

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Bruce D. Smith

Dennis J. Stanford  
William C. Sturtevant

Associate Curator

William L. Merrill

North American Indian Program

Director

JoAllyn Archambault

Old World Anthropology

Curators

Adrienne Kaepler  
Ivan Karp

William B. Trousdale  
Gus Van Beek

Associate Curators

Mary Jo Arnoldi

Paul Taylor

Physical Anthropology

Curators

J. Lawrence Angel  
(deceased November 1986)  
Donald J. Ortner

Douglas H. Ubelaker

Associate Curators

Douglas Owsley  
(Appointed June 1, 1987)

Richard Potts



## Linguistics

Curator

R. H. Ives Goddard III

### Research Associates, Collaborators, and Affiliated Scientists

James M. Adovasio (Archeology)	Richard T. Koritzer (Physical Anthropology)
John Albanese (Geology)	JoAnne Lanouette (Education)
George Appell (Ethnology)	Paulina Ledergerber (Archeology)
Larry Banks (Archeology)	Julio C. Melatti (Ethnology)
Ava Berenstein (Linguistics)	Jerald T. Milanich (Archeology)
Michael D. Blakey (Physical Anthropology)	Chris Nagle (Archeology)
Kathleen J. Bragdon (Linguistics)	Stephen Potter (Archeology)
Alison S. Brooks (Archeology)	Walter G. J. Putschar (Physical Anthropology)
Ernest S. Burch, Jr. (Archeology)	Bruce D. Ragsdale (Pathology)
Henry B. Collins (Archeology)	Leslie Rankin-Hill (Physical Anthropology)
Aron Crowell (Archeology)	Lucile E. St. Hoyme (Physical Anthropology)
Edith Dietze (Ethnology)	Robert G. Schmidt (Geology)
John C. Ewers (Plains Ethnology)	T. Dale Stewart (Physical Anthropology)
Don D. Fowler (Archeology)	Maurizio Tosi (Archeology)
George Frison (Archeology)	Mildred M. Wedel (Archeology and Ethnohistory)
Bruno Frohlich (Physical Anthropology)	Waldo R. Wedel (Archeology)
Kathleen Gordon (Physical Anthropology)	Pamela J. Wintle (Film Archives)
James Griffin (Archeology)	Rita Wright (Physical Anthropology)
Gary Haynes (Archeology)	Melinda Zeder (Zooarcheology)
Brian Hesse (Archeology)	
Neil C. Hughes (Archeology)	
Bennie C. Keel (Archeology)	
Jennifer O. Kelley (Physical Anthropology)	

## BOTANY

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(Term ended August 31,  
1987)

Acting Chairman

Laurence E. Skog  
(Appointed September 1,  
1987)

Administrative Assistant  
Collections Manager

Nella F. Lloyd  
George F. Russell

### Senior Botanists

Mason E. Hale, Jr.

Mark M. Littler

Phanerogams

Curators

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Robert W. Read  
Stanwyn G. Shetler

Laurence E. Skog  
Dieter C. Wasshausen  
John J. Wurdack

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Robert B. Faden

Vicki A. Funk

Ferns

Associate Curator

David B. Lellinger

Grasses

Curator

Thomas R. Soderstrom  
(Deceased September 1,  
1987)

Cryptogams

Curators

James N. Norris

Harold E. Robinson

Palynology

Curator

Joan W. Nowicke

Plant Anatomy

Curator

Richard H. Eyde

Research Associates, Collaborators, and Affiliated Scientists

Katina Bucher (Algae)  
Jose Cuatrecasas (Flora of  
Tropical South America)  
Alva G. Day (Polemoniaceae)  
James A. Duke (Flora of Panama)  
Patricia M. Eckel (Mosses)  
Anthony Fletcher (Lichens)  
F. Raymond Fosberg (Tropical  
Island Plants)  
Aaron Goldberg (Phanerogams)

Charles R. Gunn (Seeds)  
Mark Edward Hay (Marine Algae)  
Otto Huber (Plant Ecology)  
Joseph H. Kirkbride, Jr.  
(Rubiaceae)  
Elbert L. Little, Jr. (Dendrology)  
Diane S. Littler (Marine Algae)  
Ximena Londono (Grasses)  
Alicia Lourteig (Neotropical  
Botany)

Carlos Ochoa (Solanum)  
John C. Ogden (Marine Ecology)  
Kittie F. Parker (Compositae)  
Muriel E. Poston (Loasaceae)  
Clyde F. Reed (Phanerogams)  
Amy Y. Rossman (Fungi)  
Velva E. Rudd (Leguminosae)  
Edith E. B. Scott (Bryophyta)  
Walter Shropshire, Jr.  
(Plant Physiology)

Lyman B. Smith (Flora of Brazil)  
Frans A. Stafleu (Phanerogams)  
William L. Stern (Plant Anatomy)  
Christopher E. Tanner (Marine  
Botanical Systematics)  
Phillip R. Taylor (Marine Botanical  
Ecology)  
Edward E. Terrell (Phanerogams)  
Egbert H. Walker (East Asian Flora)  
Anna Weitzman (Rain Forest Ecology)

## ENTOMOLOGY

Chairman

Wayne N. Mathis  
(Term ended June 30,  
1987)

Chairman

Ronald J. McGinley  
(Appointed May 1, 1987)

Collections Manager  
Senior Scientist

Gary F. Hevel  
Karl V. Krombein

Coleoptera

Curators

Terry L. Erwin

Paul J. Spangler

Hemiptera

Curator

Richard C. Froeschner

Hymenoptera

Senior Scientist  
Associate Curator

Karl V. Krombein  
Ronald J. McGinley

Lepidoptera

Curators

John M. Burns

Don R. Davis

Associate Curator

Robert K. Robbins

Myriapoda and Arachnida

Associate Curator

Jonathan A. Coddington



Neuropteroids and Diptera

Curators

Oliver S. Flint, Jr.

Wayne N. Mathis

Research Associates, Collaborators, and Affiliated Scientists

Joachim Adis (Coleoptera)  
Annette Aiello (Lepidoptera)  
Donald W. Anderson (Coleoptera)  
Edward W. Baker (Mites)  
S. W. T. Batra (Hymenoptera)  
S. Franklin Blanton (Diptera)  
Barnard Burks (Hymenoptera)  
Robert W. Carlson (Hymenoptera)  
J. F. Gates Clarke (Lepidoptera)  
Margaret Collins (Orthoptera)  
Jerry Coyne (Diptera)  
Hilary Crusz (Insects of Sri Lanka)  
Lance Durden (Siphonaptera)  
K. C. Emerson (Mallophaga)  
John H. Fales (Lepidoptera)  
Douglas C. Ferguson (Lepidoptera)  
Richard H. Foote (Diptera)  
John G. Franclemont (Lepidoptera)  
Raymond J. Gagne (Diptera)  
Robert D. Gordon (Coleoptera)  
E. Eric Grissell (Hymenoptera)  
William L. Grogan, Jr. (Diptera)  
Ashley B. Gurney (Orthoptera)  
Ralph E. Harbach (Diptera)  
Bruce A. Harrison (Diptera)  
Thomas J. Henry (Hemiptera)  
John B. Heppner (Lepidoptera)  
Ronald W. Hodges (Lepidoptera)  
W. L. Jellison (Mites, Ticks)  
James E. Keirans (Ticks)  
John M. Kingsolver (Coleoptera)  
Lloyd V. Knutson (Diptera)  
James P. Kramer (Homoptera)  
Paul M. Marsh (Hymenoptera)  
Arnold S. Menke (Hymenoptera)  
Douglass R. Miller (Homoptera)  
Scott E. Miller (Microlepidoptera)  
Carl F. W. Muesebeck (Hymenoptera)  
David F. Nickle (Orthoptera)  
Paul A. Opler (Lepidoptera)  
David L. Pearson (Coleoptera)  
Robert V. Peterson (Diptera)  
Kenelm W. Philip (Lepidoptera)  
Robert W. Poole (Noctuidae)  
Mary Livingston Ripley (General Entomology)  
Louise M. Russell (Homoptera)  
Curtis W. Sabrosky (Diptera)  
Michael E. Schauff (Hymenoptera)  
Jay C. Shaffer (Microlepidoptera)  
Sunthorn Sirivanakarn (Diptera)  
Robert L. Smiley (Mites)  
David R. Smith (Mites)  
Theodore J. Spilman (Coleoptera)  
George C. Steyskal (Diptera)  
Manya B. Stoetzel (Homoptera)  
F. Christian Thompson (Diptera)  
Robert Traub (Siphonaptera)  
Katsuji Tsuneki (Hymenoptera)  
Hayo H. W. Velthuis (Hymenoptera)  
Ronald A. Ward (Medical Entomology)  
Richard E. White (Coleoptera)  
Donald R. Whitehead (Coleoptera)  
Willis W. Wirth (Diptera)  
David Wooldridge (Coleoptera)

INVERTEBRATE ZOOLOGY

Chairman  
Collections Manager  
Administrative Assistant

Roger F. Cressey  
Roland H. Brown  
Martha V. Joynt

Crustacea

Curators

J. Laurens Barnard  
Thomas E. Bowman  
Roger F. Cressey  
C. W. Hart, Jr.

Robert P. Higgins  
Brian F. Kensley  
Louis S. Kornicker  
Raymond B. Manning

Echinoderms and Lower Invertebrates

Curators

Frederick M. Bayer  
Stephen D. Cairns

David L. Pawson  
Klaus Ruetzler

Mollusks

Curators

Richard S. Houbrick

Clyde F. E. Roper

Associate Curators

M. G. Harasewych

Robert Hershler

Worms

Curators

Kristian Fauchald  
W. Duane Hope

Meredith L. Jones  
Mary E. Rice

Registry of Tumors in Lower Animals

Director  
Biological Lab Technician  
Biological Lab Technician  
Research Assistant  
Museum Specialist

John Harshbarger  
Jennifer B. Clark  
Kathy Price  
Marilyn Slatick  
Phyllis Spero

Research Associates, Collaborators, and Affiliated Scientists

J. Bruce Bredin  
Fenner A. Chace, Jr.  
(Emeritus Zoologist)

Steven Chambers  
Elizabeth Chornesky  
Joan D. Ferraris

Stephen J. Gardiner  
Terrence M. Gosliner  
Horton H. Hobbs, Jr.  
    (Emeritus Zoologist)  
Lipke B. Holthuis  
Roman Kenk  
J. Ralph Lichtenfels  
Patsy McLaughlin  
Charles G. Messing  
John E. Miller  
Katherine Muzik  
Isabel Perez-Farfante (Canet)  
Esther C. Peters  
Richard E. Petit  
Marian H. Pettibone  
    (Emeritus Zoologist)

Anthony J. Provenzano, Jr.  
Harald A. Rehder  
    (Emeritus Zoologist)  
Janet W. Reid  
I. G. Sohn  
Ronald B. Toll  
Paul N. Turner  
Michael Vecchione  
Geerhart J. Vermeij  
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and Volcanology)

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Michael Fleischer (Mineralogy)

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and Volcanology)

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National Aeronautics and Space Administration: 20 books and corresponding microfiche titled "NASA Indexes to News Releases and Speeches," 1963-1984.

National Aeronautics and Space Administration: three mylar drawings of the Lunar Roving Vehicle, circa 1966.

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Mr. S. Donovan Swann, Jr.: biographical material on Samuel Donovan Swann, 1918-1925.

Mr. Earl H. Symonds: bombing survey and a book titled Your Post-War Place in Aviation, circa 1940.

Mr. Zdzislaw I. Szewczyk: Airborne Radar Technical Archive, circa 1941-1974.

Mr. Charles Edward Taylor II: correspondence of Charles Edward Taylor Sr., mechanic for Orville and Wilbur Wright, 1928-1966.

Mr. Ed Thurmond: report on the Aspen/Piñon County (Colorado) Airport, July 1986.

United States Air Force Museum: 250 photographs of the 148th Aero Squadron, circa 1914-1918.

United States Air Force Museum: 36 glass plates of Pre-World War I European Aircraft.

United States Naval Observatory: Science Service reference files on astronomy and space science.

United Technologies Corporation: photograph of a Pratt-Whitney J-57 engine, undated.

United Technologies Corporation: microfiche of Sikorsky helicopter specifications, 1942-1948, and 1958.

Mr. W. R. Violen: letter dated 1834 documenting William Humard's attempt at flight.

Mr. Samuel Walton: biographical material on Samuel Thomas Walton, dated 1920-1939.

Mr. James Edwin Webb: the James Edwin Webb Papers, circa 1901-1985.

Mr. Fred Wellman: seven air transport label catalogues, 1982-1986.

Mrs. Madeline Westburg: mylar drawings of 37 aircraft, executed by Peter W. Westburg between 1970 and 1981.

Mrs. Albert Whaley: photograph of Charles A. Lindbergh and General Russell, circa 1927.

Mr. Gordon Eliot White: corporate files and engineering records of the Aircraft Radio Corporation and Radio Frequency Laboratories, circa 1921-1984.

Ms. Ann Wood: material on the Air Transport Auxiliary, 1940-1986.

Mr. William R. Wood: diaries of George W. Wood, Jr., and a photograph album of the 475th Fighter Group, "Satan's Angels," 1942-1945.

Mr. Peter M. Zollman: 12 front pages from various Florida newspapers documenting the explosion of the Space Shuttle "Challenger."

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- Joyce R. Adamson, M.D. in memory of Robert B. Roberts: early keypunch with paper card and wooden stand (1987.0601).
- Rita J. Adrosko: carved and painted wooden shepherd possibly from an Eastern European creche (1986.0792); Girl Scout diary (1987.0046).
- Richard E. Ahlborn: Jewish New Year's greeting card, printed in Germany 1900-35 (1986.0965); Afro-American coiled basketry cake cover and plate made of palmetto leaf, sweet grass, and pine needles, ca. 1980 (1987.0057).
- Air Transport Employees (through James Shields): button, sticker, placard, and a sheet of letterhead all relating to the Air Transport Employees (1986.0351).
- Government of Aitutaki, Post Office: 8 stamps, 4 souvenir sheets, and 3 first day covers of Aitutaki (1986.0191); 15 mint stamps, 6 souvenir sheets, and 4 first day covers of Aitutaki (1986.0721).
- Elinor W. Allard: Jacquard double-woven coverlet of red wool and white cotton dated 1859 and inscribed "Catherine M. Wilson, Woven at Palmyra, N. Y. by Ira Hadsell" (1986.0880).
- David W. Allen: deep-green glass vase with gilt and enamel decorations, probably made in Bohemia about 1890 (1987.0252).
- Aluminum Company of America (through L. L. Corbin): CO<sub>2</sub> laser assembly used to drill holes in the rubber nipples of Alcoa's disposable baby formula units, 2 disposable baby formula units, 2 nipples, and a bottle (1980.0009).
- American Conference of Governmental Industrial Hygienists, Inc. in cooperation with the National Institute for Occupational Safety and Health (through Marilyn B. Jones): 23 industrial hygiene sampling instruments and a respirator (1986.0837).
- American Federation of State, County and Municipal Employees (through Philip Sparks): 2 videotape cassettes of the "Carry It On" advertising campaign (1987.0483).
- American Museum of Electricity (through Dr. John C. Fisher and Dr. Milan D. Fiske): 97 electric motors, meters, tubes, and miscellaneous artifacts (1979.0299).
- American Physiological Society (through Dr. Martin Frank and Dr. R. R. Sonnenschein): bronze medal commemorating the founders of the American Physiological Society and the Society's centennial in 1986 (1987.0275).
- American Postal Workers Union, AFL-CIO (through Douglas C. Holbrook): 17 documents, 2 pens, 2 T-shirts, a cap, canvas bag, label, button, patch, sticker, and a nameplate, all relating to the American Postal Workers Union, AFL-CIO (1986.0255).
- American Red Cross, National Headquarters, Treasury Operations (through William M. Rose): 1,000-ruble State Credit note of the U.S.S.R. dated 1917 (1987.0557).
- American Wood Type Manufacturing Company, Inc., American Printing Equipment and Supply Company (through R. Mandel): 3 pattern letter samples for making wood type (1986.0673).
- Helen and Polie L. Ames: U.S. wooden button cleaner used by Edwin A. Searson during his service with the U.S. Army, ca. 1898 (1987.0175).
- Phyllis Bradford Post Anders: 76 pieces of Spanish-American War memorabilia collected by Charles Johnson Post (1980.0022).

Murphy Anderson: original black and white ink drawing for Superman comic, 1971 (1987.0461).

Anonymous: 2 woman's riding habits, 2 woman's shirts, 2 woman's stocks, a pair of woman's boots, pair of shoe stretchers, and a riding crop, all 1930s (1986.0553).

Government of Antigua, Barbuda Dependency, Barbuda Post Office, Philatelic Bureau: 14 mint stamps and 2 first day covers of Barbuda (1985.0495); 35 mint postage stamps and 9 first day covers of Barbuda (1985.0660); 14 mint stamps and 4 first day covers of Barbuda (1986.0300); 48 mint stamps and 12 first day covers of Barbuda (1986.0688).

Branden Arakelian, James Datete, James D. Haskell, and David E. Morse: 3 paper textbook covers made by ninth-grade students at Pentucket Regional Junior High School in West Newbury, Massachusetts, 1985 (1985.0806).

Audrey Z. Archer-Shee: 3 cartes de visite of military subjects and a carte de visit of Mrs. Millard Filmore (1986.0847).

University of Arizona, Arizona Health Sciences Center, University Medical Center (through Alethea O. Caldwell): Jarvik-7 total artificial heart designed by Dr. Robert Jarvik, made by Symbion of Salt Lake City, Utah, implanted by Dr. Jack G. Copeland into Michael Drummond on August 29, 1985, and replaced in Mr. Drummond by a human heart transplanted on September 7, 1985, and a wooden display base (1987.0474).

Gerald A. Arnold: set of 56 sheets of button covers with the slogan "Bull Moose/This Time" (1986.0807).

Mrs. Rochelle D. Aschheim: game of "Lotto or House" in its original box, made in England in the 1930s (1986.0720); 2 pieces of personal stationery used by Dwight D. Eisenhower in the White House (1986.0760); bell-shaped brass gauge used to measure the size of knitting needles, made by H. Walker of London in the 19th century (1986.0883).

AT&T, Bell Laboratories (through Marcy G. Goldstein): 2 metal translator cards, a translator card template, and a 3A phototransistor (1984.0517); (through B. F. Levine): 52 crystals used by physicist Joseph Giordmaine to test various materials during the development of laser technology, ca. 1960 (1985.0048).

AT&T Teletype Corporation (through R. A. Tarbox): 27 pieces of teletype equipment (1986.0205).

Lt. Col. Joseph R. Austell, USAF (Ret.): locomotive fireman's shovel used by Joseph Hopson Austell on the Southern Railroad's Engine #1401 (1986.0736).

Richard Avedon: 10 photographs signed by photographer Jacques-Henri Lartigue, 5 unsigned Lartigue photographs, and an envelope inscribed "Pour Dick" (1986.1028).

Clarence B. Avery: model of a horsepower machine used to thresh grain, invented by Cyrus Avery and patented in 1860 (1987.0129).

Lawrence Baden: 41 cartes de visite, 25 ambrotypes, 10 cabinet prints, 10 daguerreotypes, and 2 photograph albums (1985.0656).

Bernice Baer: 31 political buttons and a lapel pin (1986.0519).

William F. Baggerman: Dalton "Little Giant" adding machine, 1920s (1986.0977).

Bally-Sente Technologies (through Nolan K. Bushnell): arcade version of PONG video game (1984.0890).

Col. Mary Evelyn Bane, USMC (Ret.): 4 grade insignia, 2 identification tags, a set of medals, and a gold-embroidered scarlet tiara, all worn by Colonel Bane during her career in the U.S. Marine Corps, 1951-77 (1987.0543).

Ethel M. Barach: plaque with a quarter-length portrait of Abraham Lincoln by Victor D. Brenner, 1908 (1986.1008).

Donald O. Barber: pass from the Ohio National Guard, 7th Regiment, Company K



for Corporal Barber and Privates Adams, Sanders, and Anderson, WW I (1986.0917).

Douglas E. Barden: color photograph of the Brooklyn Bridge at night against fireworks celebrating the bridge's centennial, May 1983 (1986.0861).

Ruth McCallum Townsend Barnes: woman's graduation dress worn by Florence McCallum, ca. 1897 (1986.0488).

Russell T. Barnhart: 16-piece rigged traveling roulette wheel and table, manufactured by H. C. Evans & Company of Chicago, 1930 (1984.0540).

Steven Barryte: 4 components of the SWAC computer and an engineering manual for the National Bureau of Standards Western Automatic Computer, 1951 (304214).

Donald P. Basham: 42 pieces of U.S. WW I and WW II insignia, accessories, documents, and memorabilia (1979.0508).

Carter Bays: sewing machine patent model number 159,575 issued to Hirons & Moore, February 9, 1875 (1984.0933).

Bruce S. Bazelon: 60 pieces and sets of insignia and a metal soap dish (1979.0035).

Robert P. Beaver: box containing a kit of 107 electrotyping tools used by Mr. Beaver, a master electrotyper (1986.0681).

Noreen A. Beebe: blue "U.S. Mail" flag (1986.0741).

Elizabeth Behr: communion prayer book belonging to Mary Held and a photograph of Mary Held in her First Communion dress holding the prayer book, 1901 (1987.0023).

Thomas W. Bein and Dwight Rogers: machine used to cut hay straw and corn stalks for animal fodder, ca. 1872 (1987.0536).

Leo Beiser: Holofacet laser scanner (1986.0628).

Wilfred A. Belanger: pattern maker's outside calipers, pattern maker's dividers, and a pair of sugar cutters with spring-action handles (1986.0602).

Edith B. and Frederick R. Bell: 100 cabinet prints, 48 cartes de visite, and 2 albumen portraits (1986.0109).

Bellevue Hospital Center (through Robert B. Milch): light beige wool blanket with peach stripes marked "M.S.T., Bellevue Hospital, Dec. 1934" (1986.0577).

Roy E. Benner: treadle loom with 4 shuttles used for rag-rug weaving and a furniture cover and throw rug woven on the loom (1987.0113).

Ivan B. Berger: set of 9 diskettes, diskette in folder, cassette, set of 4 paper tapes, document index, letter, and a computer printout (1986.0130).

Mrs. John McFarland Bergland and Mrs. Asher Abbott White: hand-painted silk dress worn by Martha Washington, late 18th century (1987.0080).

Albert M. Berkowitz: 7 phonograph records (1986.0597).

Alfred S. Best: Whitney revolver, Bumford flintlock trade gun, U.S. percussion cap target rifle, U.S. Evans 1808 contract musket, and a Union Machine Company double-barrelled shotgun (1983.0698).

Bethlehem Steel Corporation, Bethlehem Mines Corporation, Elkhorn Division: 1,436 glass negatives, 1,381 photographic prints, and 112 film negatives recording the building, operation, and daily lives of workers of the Consolidation Coal Company in Kentucky, 1911-46 (1987.0369).

Frederick V. Betts: Adirondack split-wood backpack basket, ca. 1880 (1987.0025).

Richard L. Biby: 9 PDP-8 computer components, 3 sets of miscellaneous circuit boards, a group of connectors, teletype reader control, paper tape reader with a group of tapes, and 15 books and documents about the PDP-8 and other computers (1983.0473).

Robert L. and Wilma W. Bidwell: 2 mezzotint prints of Abraham Lincoln by John Sartain after E. D. Marchant published in 1864 (1986.1013); 2 engravings of Andrew Johnson, President of the United States (1987.0105).

Steven J. Bilsbury: collection of 43 experimental cartridges, projectiles, and casings, 1950-80 (1986.0569).

Larry Bird: bumper sticker declaring "Russia Sucks" (1986.0114); 2 "Ronbo" posters depicting Ronald Reagan with a machine gun (1986.0249).

Harry B. Blackstone, Jr.: "floating" electric light bulb made by Thomas Edison in 1929 and a Casa Dega cabinet, both used by The Great Blackstone, Harry B. Blackstone, Sr., in his magic act (1985.0868).

John A. Bland: 5-digit numbering machine in a wooden box marked "National Seal Works" (1981.0688).

Albert and Ruth S. Block: wood and glass display case used in Block's Department Store, 1900-50 (1987.0260).

Rabbi Arthur Bogner and Nathan Bogner: Yahrzeit anniversary memorial tablet in the form of a cabinet with 99 spaces for names of the deceased and 9 glass name plates, used by Ezras Israel Congregation of Washington, D.C. from about 1925 until 1956 (1987.0361).

Daniel J. Boorstin: Tasco pocket adder with instruction leaflet, 1920s (1986.0663).

Richard C. Borges: Sony radio model EFM-117L (1986.0856).

Betty Borgmeyer: apron made from a U.S. Navy enlisted man's neckerchief and decorated with rating badges and a hat band of the USS South Carolina, made by Edward Ames McConnell, WW I (1986.0921).

Peter N. Borsi: 2 wave meters, a transmitting tube, vacuum tube Type VT25, radio transformer, tube socket, inductances, circuit VHF oscillator, and a radio frequency insulator (1985.0697).

Prof. Joseph W. Boudreau: daguerreotype, uranium print, and a Hillotype plate, all made by Professor Boudreau, 1984-85 (1986.0699).

Paddy Bowler and Barry Cottrell: 2 engravings and a sheet of homemade paper (1986.0763).

Clare Shenehon Boyd: 411 ceramic items including English fine earthenwares, American red earthenwares and stonewares, and other miscellaneous wares (1980.0614).

The Bradford Coal Company, Inc. (through Ray S. Walker): commemorative plate, "The Whiskey Rebellion" (1986.0084).

Helene Bress: floor-based single-heddle tape loom with squirrel cage (1984.0165).

Deborah Bretzfelder: poster with slogan "Machinist Union/Say NO to REAGAN'S RAW DEAL" (1985.0949); woman's shoe, 1740-80 (1987.0250).

Donald M. Briskman: 3 Cibachrome prints of the Brooklyn Bridge at dawn, morning, and early afternoon taken by Paula Barr on December 8, 1982 (1985.0784).

Marguerite Wale Broadus: 2 woman's handkerchiefs, woman's purse, and a woman's bracelet, all 1920s-30s (1987.0027).

Oscar W. Brock, Jr.: St. Augustine pennant and an ashtray from Silver Springs, Florida (1986.0966).

Edward A. and Shirley J. Brom in memory of Helen C. Brom: handwritten letter from Aaron Burr to Judge Easton of St. Louis dated July 30, 1805 and a guest ticket to the Republican National Covention held in St. Louis on June 16, 1896 (1987.0013).

The Brooklyn Museum, Costumes and Textiles (through Elizabeth A. Coleman): pair of woman's off-white linen drawers, 1897, and a black crepe dress, 1938-48 (1986.0998).

Brotherhood of Railroad Signalmen, AFL-CIO, CLC (through R. T. Bates and W. D. Best): 3 lapel pins, 2 labels, 2 decals, an envelope, piece of stationery, patch, and a button of the Brotherhood of Railroad Signalmen (1986.0485).

Carleton W. and Hazel Brown: mirrored tin candle sconce, believed to have been made by a Philadelphia tinsmith for Carpenters' Hall, ca. 1774 (1987.0004).

Pamela Wedd Brown: 3 wood blocks, 2 prints, and a drawing for Night Visitors by Pamela Wedd Brown (1987.0018).

James H. Bruns: 2,406 stamps, 274 stamped envelopes, 149 covers, 77 postal cards, 26 souvenir sheets, 21 blind reading envelopes, 14 miscellaneous philatelic objects, and 6 cut squares (1984.1128); American Numismatic Association medal commemorating the 80th Anniversary Convention in Washington, D.C., 1971 (1985.0741); fashion plate, The Delineator, June 1897 (1986.0281); 5 fashion plates, 1896-98 (1986.0565); metal container with cardboard interior separators used to mail 4 dozen eggs (1986.0674); 2 stereocards depicting the aftermath of the Johnstown Flood in Pennsylvania, 1889 (1986.1041).

Capt. Charles E. Brush, USCG (Ret.): 2 epaulets, a chapeau and a belt all contained in a tin carrying case, used by Capt. Brush with his dress uniform as a Lieutenant in the Coast Guard in 1937 (1987.0456).

Fred K. Bryant: original set of six Burma-Shave advertising signs made by the Burma-Vita Company of Minneapolis, Minnesota in 1960 (1986.0661).

Building and Construction Trades Department, AFL-CIO (through Robert A. Georgine): 4 bumper stickers, 3 posters, 2 pieces of stationery, a button, and a set of voter registration leaflets produced by the Building and Construction Trades Department, AFL-CIO (1986.0242).

George G. Bull: 27 U.S. Army distinctive insignia, WW II (1986.0254).

Beatrice Bulla: set of drawing instruments in case (308964).

Linda C. Burgess: songbook, Centennial Collection of National Songs, 1876 (1987.0438).

Dean E. Burget, Jr., M.D. and Undine Ehrman Burget: Steinway Duo-Art reproducing grand piano with a concertola roll-changing cabinet, custom-made in 1930 for Benjamin Dwight Phillips' home, Elm Court, in Butler, Pennsylvania (1983.0587).

John P. Burnham: 2 commemorative coins from the 350th Anniversary of the founding of Saybrook Colony in Connecticut, 1635-1985 (1986.0620); 75th anniversary medal of the Elizabethan Club of Yale University, 1985 (1987.0149).

Bernard N. Burnstine: man's walking cane, 1880-1920 (1986.0762).

Frances M. Burroughs: 2 woman's paper mini-dresses in their original plastic containers, made by the Promo Dress Company of Beverly Hills, California, 1966-67 (1986.0943).

Timothy C. Butz: 3 "Vietnam Veterans Against the War" membership buttons, 1971-73, a "G.I. Unity" button designed by Mr. Butz in 1971, "Amnesty" button, 1973, and a name badge from the first Winter Soldier Investigation into U.S. War Crimes held in February 1971 (1986.0223).

Gwendolyn D. Cafritz: 1963 Chevrolet Corvette convertible automobile (1986.0784).

The University of California, Lawrence Livermore National Laboratory (through Glenda Smithies): 5 laser Nova/Novette targets, 2 x-ray targets, a diagnostic laser target, alloy glass bell, laser EOS target LP1351, and a Shiva laser amplifier (1985.0236).

University of California Medical Center, Animal Care Facility (through Joseph



Spinelli, D.V.M.): Coulter Model A counter, ca. 1973 (1987.0248).

Heather H. Campbell: wooden ditty box used by U.S. Navy enlisted man Albert G. Bouton, 1900-9, and 2 naval manuals dated 1902 (1987.0374).

Mrs. Jessie McCartney Campbell for the Children of Samuel McCartney, Sr.: framed photograph of the U.S. Marine Corps honor guard at the funeral of President Warren G. Harding in Washington, D.C. on August 8, 1923 (1987.0167).

Campbell Soup Company (through Steven A. McNeil): Swanson "TV Dinner" aluminum tray, 1955, and 2 videotape cassettes of Swanson commercials, 1955-59 (1987.0265).

Bank of Canada (through D. G. M. Bennett): Canadian 5-dollar bank note specimen, 1986 (1986.0621); Department of Banking Operations (through D. G. M. Bennett): 1986 Canadian 2-dollar specimen note (1986.0909).

Leopoldo Cancio: 17 phonograph records (1985.0887); 75 ancient Greek bronze coins, 10 Oriental coins, and a silver Greek stater (1986.0842); 77 ancient Greek bronze coins and a silver Greek hemidrachm, 7 Indian coins, 2 Spanish coins, and a Spanish silver medal commemorating Lenin's birth and the Communist Party in Spain, 1970 (1986.0911).

Peter R. Cannella, Jr.: R.O.T.C. shoulder loop-style Master Sergeant insignia and a steel helmet (1987.0241).

Catherine B. Cantrell: 3 badges, 2 plaquettes, 2 pins, and a key, all given to President William Howard Taft between 1906 and 1912 (1986.1030).

Mr. and Mrs. Charles D. Carey: red, white, and blue banner marked "Clay, Frelinghuysen and Markle" used in the presidential campaign of Henry Clay (1987.0101).

Col. Amelia J. Carson: jacket and skirt from a U.S. Army woman's black mess uniform, a jacket from a U.S. Army woman's white mess uniform, 1969, and a pair of shoulder straps (1986.0887).

Russell K. Cashdollar: metal-polishing cone with candle shade (1986.0436).

Christine M. Cassidy: red cotton knit gym suit worn by Ms. Cassidy at Wakefield Junior High School, Wakefield, Massachusetts, 1973-75 (1986.0409).

Howard Cayton: razor sharpener, 1921 (1986.0524); Bell gasoline saver in original box (1986.0971).

Penny Persico Cerchio: letter opener with hatchet and profile of George Washington (1986.0404).

Flossie M. Chambers: 2 man's clip-on ties, 1960s (1987.0512).

James A. Chappellear: 8 mint stamped envelopes of the U.S. (1986.0622).

Alfred B. and Maureen P. Charley: uniface bronze medal depicting a nude torso by Mr. Charley, 1986 (1986.0785).

Shirley Cherkasky: 2 delegates' badges to the 1964 Democratic National Convention and an autographed copy of President Johnson's State of the Union address to Congress on January 4, 1965 (1986.0805).

C&P Telephone (through J. M. Nichols): #5 cross-bar switch and a trunk link crossbar switch used in the White House's telephone system from August 1966 to May 1986 (1987.0210).

The University of Chicago, The Enrico Fermi Institute (through Alexander E. Sharp): cloud chamber built by Prof. Robert W. Thompson, a set of 7 film canisters, stereoscopic camera, and a spanner wrench (1984.0984).

Valentine Z. Chilk: carved bone ivory tape measure with blue silk tape (1987.0119).

Government of the Republic of China, The Philatelic Department, Directorate General of Posts: 120 mint and specimen stamps, 21 first day covers, and 4 souvenir sheets of the Republic of China (1986.0652); (through Charles

C. Y. Wang): 104 mint stamps, 20 first day covers, and 2 souvenir sheets of the Republic of China (1986.0118); (through John S. T. Wang): 104 mint and specimen stamps, 26 first day covers, and 2 souvenir sheets of the Republic of China (1985.0557).

Elisabeth M. Christensen: 535 tools, equipment, and demonstration examples used in the production of silver holloware by Hans Christensen, 1924-83 (1984.0748).

Christie, Manson & Woods, Inc. (through Jonathan Snellenberg): wye level made by Meneely and Oothout in West Troy, New York, 1836-38 (1986.0464).

University of Cincinnati Medical Center, College of Medicine, Department of Pediatrics, Newborn Division (through Paul H. Perlstein, M.D.): Bloxsum air-lock incubator and respirator and a Kreiselman bassinet resuscitator (1986.0835).

Citizens for Tax Justice (through David M. Legge and David C. Wilhelm): 4 posters showing the inequality of taxes paid by large corporations compared to individuals (1986.0758).

Civil Employees Beneficial Association: National bookkeeping machine on a stand, ca. 1930 (305774).

Elvira Clain-Stefanelli: 3 Islamic coins of the 14th-19th centuries and an Islamic silver medal dated 1891 (1987.0151); brass medalet inscribed "Rough & Ready" on one side and "The Heart of Monterey" on the other (1987.0611).

Elizabeth C. Clark: H & R revolver and 5 accessories (1986.0590).

Barbara J. Coffee: letter, envelope, and membership card from the Statue of Liberty, Ellis Island Foundation, Inc. and a bumper sticker and decal with the slogan "I'm Saving the Statue of Liberty," 1986 (1986.0806); Keuffel & Esser N4058W slide rule in case (1987.0184).

Edward W. and Jessie L. Coles: medal commemorating the play "Two Sisters" presented on the centennial of George Washington's Inaugural, 1889 (1987.0408).

Gen. J. Lawton Collins, USA (Ret.) (through Michael J. Rubino): 12 pieces of U.S. Army uniforms and accessories worn by General Collins (1986.0127).

Paul Collins: wooden cut-out peace symbol carried in numerous peace demonstrations (1987.0247).

Colt Industries, Firearms Division (through Ronald E. Stilwell): U.S. M16A2 Colt Industries rifle (1986.0888).

CBS/Broadcast Group, CBS Incorporated (through Donn Weirick): audio control unit, turntable unit, and a turntable control unit used in a television studio control room (1986.0176).

CBS Television Network (through Donn Weirick): VR-1000 Ampex videotape recorder and a program switching digital computer (1983.0309).

Committee to Save Fort McDowell Reservation (through Carolina Butler): T-shirt with slogan "Stop Orme Dam, July 4-10, 1976," used by the Yavapai Indians in efforts to prevent the dam's construction and the inundation of their reservation (1986.0826).

COMSAT Laboratories (through J. V. Evans): 6 satellite components (1981.0655).

Connecticut General Life Insurance (through W. Boyd Hopkins): 10 RCA 501 computer components (1979.0418).

James L. Connor, Jr.: scrapbook containing designs for trade cards and other advertising from the J. A. Lowell Company of Boston, 1876-80 (1986.0251).

Government of the Cook Islands, Ministry of Posts, Philatelic Bureau, Post Office: 21 mint stamps, 5 souvenir sheets, and 3 first day covers of the Cook Islands (1986.0444); 9 mint stamps, 9 souvenir sheets, and 3 first day covers of the Cook Islands (1986.0689).

Dr. G. Arthur Cooper: thermostat made by the Minneapolis Heat Regulator Company with an 8-day clock and timer made by Minneapolis-Honeywell, ca. 1927 (1987.0261); camera lucida for Bausch and Lomb microscope, ca. 1959 (1987.0367).

Marjorie A. Cope: Northwestern University Centennial bronze medal, 1951 (1987.0610).

Corning Glass Works, Research and Development Division (through Dr. David A. Duke): 6 optical waveguides, 4 drawn preforms, 2 soot preforms, and a fused preform (1986.0134).

Sir Robert C. Cotton: 58 photographs of the C. & O. Canal from Georgetown to Harper's Ferry taken by Sir Robert while serving as Australia's ambassador to the U.S., 1984-85 (1986.0550).

Jonathan P. Cox: 11 sketches and 5 charts drawn by Lotte Guthrie Peet as part of a design class taken at Iowa State College, 1919 (1986.0605).

Joya B. Cox: violin with a false "Hieronimus Amati" label and table ornaments similar to English viols of the 17th and 18th centuries (1986.1022).

Cox-Uphoff International (through Randolph J. Kroenert): 3 tissue expanders used as synthetic bladders (1986.0871).

John F. Craemer: "Novelty" printing press made by Woods & Tuttle of Boston for amateur printers and small businesses, ca. 1876 (1985.0753).

Crime Victims for Court Reform (through Debra L. Goff): 6 documents, 2 videotape cassettes, a button, and a T-shirt, all advertising the cause of Crime Victims for Court Reform in California in 1986 (1986.0994).

Jeffery R. D. Crockett: blackout window shade kit with instruction booklet, ca. 1942 (1986.0323); Stroh violin made in England between 1904 and 1942 (1986.0858).

Thomas N. Cross, M.D.: 3-piece elkhide hunting suit and a horsehide belt, 1905-10, and a silk and wool Groton School vest hand-knitted in 1910, all worn by Dr. Cross' father, W. Redmond Cross (1986.0938); penknife with hollow sheath to carry a house key, patented May 13, 1924 and used by Dr. Cross' father, W. Redmond Cross (1987.0179).

Government of Cuba, Ministerio de Comunicaciones, Empresa de Correos, Prensa y Filatelia: 113 postage stamps, 44 first day covers, and 10 souvenir sheets of Cuba (1985.0384); 24 mint stamps, 10 first day covers, and a souvenir sheet of Cuba (1985.0795); 32 mint stamps, 27 first day covers, and 2 souvenir sheets of Cuba (1986.0898).

Margaret Cuninggim: 2 man's shirts, 2 pairs of woman's shoes, and a woman's wedding dress, 1890-1910 (1986.0558).

Mrs. Jean Moore Curry: handkerchief and shawl with white-on-white embroidery and lace, associated with Sarah Angelica Singleton Van Buren, 1838-40 (1987.0574).

Government of the Republic of Cyprus, Ministry of Communications and Works, Department of Postal Services (through George Antoniou and A. Stamataris): 7 specimen stamps of the Republic of Cyprus (1986.0772); (through Andreas Stamataris): 6 specimen stamps of the Republic of Cyprus (1986.0230).

D. G. Enterprises (through Diane E. Gard): "Rough Rider" toy bear named Theodore Roosevelt made by Diane Gard (1986.0616).

Ralph K. Dakin: polarizing eyepiece by John A. Brashear of Allegheny, Pennsylvania and a Porro prism monocular by J. G. Hofmann of Paris dated 1862 (1986.0465).

Clarence Damon: straight razor in its original case, used by John Paulding, 1775-1825 (1986.0853).

Victor C. Darnell: photograph album of projects by the Berlin Iron Bridge



Company of Berlin, Connecticut, ca. 1890 (1986.0995).

William H. Davenport: British award medal for the Society for the Encouragement of Arts, Manufactures, and Commerce, 1819 (1986.0910).

Kenneth H. Davidson and Dennis C. Shumaker: 13 pieces of promotional material for "Hands Across America," 1986 (1986.0801).

Elizabeth Davis: 9 pieces of U.S. Army man's and woman's uniforms and 4 insignia (1986.0918).

Lawrence W. Davis: 6 insurance documents, 4 membership cards, 4 amendments, 2 agreements, a letter, and an identification card, all from Mr. Davis' membership in the Brotherhood of Sleeping Car Porters, 1940-73 (1986.0647); whisk broom, clothes brush, first aid kit, Pullman Company rate book, employee excursion ticket, railroad pass, time card, and a memo, all used by Mr. Davis while working as a Pullman porter (1986.0811).

John Deere & Company (through Gary J. Justus): battery cover modification kit for a John Deere Model 110 lawn and garden tractor (1987.0412).

Rosemond T. de Hart (through Patricia Flanagan): scrapbook of newspaper clippings, photographs, and other paper memorabilia of Dana Chase de Hart including his service as one of the first U.S. Air Mail pilots, 1918-19 (1987.0152).

Amos S. Deinard, M.D., M.P.H.: 5 schoolroom charts of ancient monuments developed and published in 1912 by Rabbi Samuel Deinard (1986.0738).

David R. Delorier: 2 covers commemorating the inauguration of the U.S. Highway Post Office route from Washington, D.C. to Harrisonburg, Virginia on February 10, 1941 (1987.0371).

Dorothea N. and Robert S. Denison: wardrobe trunk used in the 1920s (1984.0248).

Government of Denmark, Ministry of Public Works, General Directorate of Posts and Telegraphs: 120 mint stamps and 5 souvenir sheets of Denmark and the Faroe Islands (1986.0690); (through Lls Birkedal): 105 mint stamps and 5 souvenir sheets of Denmark and 45 mint stamps of the Faroe Islands (1985.0712).

H. Martin Deranian, D.D.S.: set of 6 ivory teething aids, 1840s, jar of cherry-flavored toothpaste, ca. 1845, dropper bottle of chloroform, ca. 1870, and a WW I flight surgeon's kit (1986.0930).

Matthew Dickstein: man's shirt, hat, and watch, 1969-76, and a woman's 3-piece suit and sweater, 1975-81 (1986.0510).

Nancy J. Dickstein: 3 necklaces, a bracelet and earring set of liquid silver, and an identification bracelet, 1972-80 (1986.0388).

Ralph B. Diller: electric fence controller invented by Ralph B. Diller, ca. 1937 (1986.0547).

J. Sterling Dimmitt, Ph.D. in memory of Pauline S. Dimmitt, Ph.G.: Tycos sphygmomanometer guage used by Pauline S. Dimmitt, Ph.G., 1920s (1987.0203).

Distillery, Wine and Allied Workers International Union AFL-CIO/CLC (through Elvira L. Catalli and George J. Orlando): lapel pin and a sheet of stationery from the Distillery, Wine and Allied Workers International Union (1986.0263).

D. C. Coalition for the Homeless (through Patricia Makin): 11 pieces of equipment from the dental offices of the late Dr. Burwell and Robert E. Smith, Jr., D.S.S. (1986.0644).

Herbert A. Dolin: 12 silk screen film stencils hand cut by Mr. Dolin while a student at the School of Industrial Arts in New York City, 1948-49, and 2 silk screen prints (1987.0455).

Paul M. Dougherty: U.S. Army sleeping shirt issued to Vice-Admiral Joseph B.

Logue of the USMC Medical Corps, WW II (1987.0430).

Bruce Douglas: trumpet made by Dominic Calicchio of Los Angeles, California about 1955 with 2 mutes, a mouthpiece, and a period case (1986.0798).

Richard E. Drake: serving tray painted black with gold Hebrew inscriptions and symbols (1987.0530).

James Christopher Draper and John William Christopher Draper: 19 pieces of mathematical instruments and documentation (304826).

Charles Dullea: sworn written application for registration, form no. ES-440B, ca. 1965 (1986.0117).

E. I. du Pont de Nemours and Company (through R. J. Woodward): "Gold Rush," the human-powered vehicle which attained a speed of 65.48 mph and won the Du Pont Prize for Human-Powered Speed on May 11, 1986 (1987.0231).

Frank J. Dwyer: copy of the Renovo Evening News from Saturday, June 8, 1889, printed on the back of wallpaper (1986.0311).

Mary West Dyer: song sheet, "Tie a Loving Ribbon 'Round the Pentagon," from the Peace Ribbon Rally, August 1985 (1986.0063).

Eagle Arms Corporation (through William Bell): U.S. 9mm submachine gun made by the Eagle Arms Corporation (1985.0770).

Col. John I. H. Eales, USA (Ret.): 52 uniforms, uniform items, and insignia used by Colonel Eales during his U.S. Army service, 1943-53 (1978.2232).

Howard Ebenstein: Keuffel & Esser slide rule in case with instruction manual, ca. 1947 (1987.0085).

Marion L. Edwards: set of Brigadier General's epaulettes in original box and an aiguillette in box, use attributed to Henry A. S. Dearborn of the Massachusetts Militia, ca. 1814 (1987.0429).

Central Bank of Egypt, Head Office, Note Issue Department (through Z. H. Georgy): Egyptian 50-plastres banknote, no. 371 (1986.0503).

Merril Eisenbud, M.D.: radium emanator patented in 1923 by National Radium Products Company of New York, a radiumator, and an empty bottle of Radiathor radioactive water made by Bailey Radium Laboratories of East Orange, New Jersey (1986.0284).

Signy S. S. Ellerton-Jones: telephone answering machine (1987.0176).

Bernice P. Ellis: 21 gelatin prints and 16 negatives of the rescue of Titanic survivors by the Carpathia and the Kodak "Brownie" camera used by Mrs. Ellis, a passenger on the Carpathia, to take the photographs in 1912 (1986.0173).

James William Elyea: officer's epaulette, ca. 1800 (1987.0360).

Clyde R. Englehardt: 1982 U.S. dime without a mint mark (1987.0452).

Guy and Marjorie M. Epley: pink and white case glass bride's bowl with a silver-plated stand, ca. 1894 (1985.0515).

Suzanne Liebers Erickson (through Ralph Erickson): 3 woman's rings, 1930-80 (1986.0528).

Faye Esserman: 2 pairs of clear plastic high-heeled slippers with open backs and toes, 1950s (1987.0513).

Dan Ettema and Elizabeth King-Ettema: hinged sign with 2 inscriptions, "For Colored Passengers" and "For White Passengers" (1987.0072).

Government of the Faroe Islands, Postverk Foroya: 50 mint stamps and 4 first day covers of the Faroe Islands (1985.0700); The Faroese Postal Service, Philatelic Office: 45 mint stamps and 3 first day covers of the Faroe Islands (1986.0623); (through B. Jacobsen): 35 mint stamps, 3 first day covers, and a souvenir sheet of the Faroe Islands (1987.0199).

Estate of Cleopatra Kavadias Faulkner (through Mary H. Driscoll): 6 linen damask dinner napkins with the heraldic insignia of Czar Nicholas II of Russia and 6 linen damask tea napkins with the monogram insignia of

Alexander III of Russia (1986.0422).

Federation of Westinghouse Independent Salaried Unions (through Ira J. Matthews): blank sheet of stationery of the Federation of Westinghouse Independent Salaried Unions (1986.0267).

Marjorie Fedorski: 18 U.S. Navy uniform items and personal memorabilia from the WW I service of Mrs. Fedorski's father, Joseph Andrysko, and a WW II Air Raid Warden's banner used by Mr. Andrysko (1987.0007).

J. Walter Feigenbaum: 28,569 foreign stamps in sheets and panes (1984.0421).

Aline M. Feldman: 3 woodcut prints and a wood block of October Fields by Aline Feldman (1987.0019).

Joseph E. Fennimore: U.S. 48-star flag made from a German WW II-period flag and used by the 4th Division, 8th Regiment of the Infantry as their command post flag (1986.0895).

Fenton Communications, Inc. (through Maria Rodale): videotape cassette of "Witness for Peace" commercial critical of aid to the Nicaraguan Contras and an audiotape cassette of "SANE" commercial critical of nuclear weapons tests (1986.0603).

Harry W. Ferguson, Jr.: U.S. check drawn on the First National Bank of Washington dated May 19, 1865 (1987.0376).

John R. Ferguson: political campaign flyer for Bill Bobo, "Go-Go with Bobo," 1986 (1986.0717).

Ferranti Limited (through S. Z. deFerranti and D. J. Stephenson): Williams tube memory component of a Ferranti Mark I computer, late 1940s (309902).

Virginia B. Fico: 14 certificates, licenses, contracts, letters, deeds, and sheet music of the late 19th and early 20th centuries (1987.0239).

Elaine L. and Jonathan Fiencke: 2 bronze medals commemorating the 350th anniversary of the State of Connecticut and the 200th anniversary of the Town of Hampton with the Hampton Bicentennial portion of the coins designed by Mr. Fiencke when 11 years old, 1986 (1986.0786).

Hilda and Samuel S. Fink: photoetched print of Doors II by Mary Trevor (1986.1016).

Bernard S. Finn: Mero sewing machine, 1920-30 (1984.1056); box of mercerized shoelaces (1986.0748).

Carol S. FitzSimonds: aquatinted plate for Night Magic by Carol S. FitzSimonds (1987.0020).

555th Parachute Infantry Association, Washington Metro Chapter (through James C. Queen): shoulder sleeve insignia from the 555th Parachute Infantry (1986.0167).

Evangeline M. Flett and Jo M. Steetle: wooden security box made in the mid-18th century and brought to America about 1770 by John Mechling of Mechlingburg, Germany (1986.0214).

Janice L. Flug in memory of William R. LeFevre: 6 unused cachets, 3 rubber handstamps, 2 cancelled covers, a steel handstamp, and a steel cachet stamp all used on the last run of the Highway Post Office on June 30, 1974, and 6 cancelled covers from the last run of the Railroad Post Office on June 30, 1977 (1987.0237).

Bert L. Fogel: 38 trading cards, 27 brochures, and 3 postcards from the 1933 World's Fair in Chicago and a pass to the fair dated October 9, 1933 (1982.0363).

Fonar Corporation (through Raymond V. Damadian, M.D.): a nuclear magnetic resonance whole-body scanner, the "Indomitable," designed by Dr. Damadian and built in 1977 (1986.0575).

Robert G. Fones: U.S. Navy enlisted man's dress blue flat hat worn by Mr. Fones aboard the USS Lexington, 1931 (1987.0058).



Shelly Jayne Foote: 2 woman's leotards and 2 pairs of woman's tights used in aerobic dance classes, 1976-85 (1986.0592); 3 pieces of beige Samsonite luggage, 1960, a Dr. Scholl's foot massager used as a darning egg, 1940-50, and a woman's fur stole, 1950-60 (1986.0609).

George E. Foreman: red velvet boxing trunks worn by George Foreman during his championship fight against Ken Norton in Caracas, Venezuela on March 26, 1974 (1985.0040).

Joel J. and Linda K. Forman: bronze lepton of Judea, A.D. 6-9 , and a copper stater of Kashmir, A.D. 950-8 (1986.0891).

Dr. Frederick Forscher: scrapbook of newspaper clippings collected by Dr. Forscher, "NUMEC, the first ten years," 1957-71 (1982.0619).

Howard S. Foust: leather mail bag made by Bona Allen, Inc. in 1970 (1987.0433).

Bob Fratis: 10 buttons from the Republican National Convention in 1964 (1987.0459).

Friday Canning Corporation (through F. C. Friday): pea can filler used from the 1920s to 1951 (1987.0411).

Paul E. Fry: 3 WW II posters dealing with labor and the war effort and war bonds (1987.0549).

Robert Fudim and Barbara Jarocki: 7 decks of playing cards, fortune telling cards, and Tarot cards (1987.0197).

Betty Furness: Red polyester double-knit dress by designer Norman Norell worn by Ms. Furness at the press conference announcing her appointment as President Johnson's Special Assistant for Consumer Affairs on March 4, 1967 (1986.0982).

David L. Ganz: 2 process sets showing the stages in striking commemorative presidential inaugural medals in 1981 and 1985 by Medallion Art Company (1986.1043).

Irene Gardner: 11 pieces of uniform clothing, a badge, purse, Colt .38 revolver, handcuffs, and a wallet with identification used by Mrs. Gardner as a member of the Los Angeles Police Department in 1949 (1987.0258).

Dr. Tom S. Garrison: "Ivrene" translucent white glass bowl with an iridescent surface made by Frederick Carder for the Steuben Glass Company of Corning, New York, ca. 1932 (1987.0270).

General Electric Company, Corporate Research and Development (through Laddie L. Stahl): computerized x-ray tomography whole-body scanner gantry with 2 tables, 1970s (1986.0730).

General Motors Corporation, Delco Electronics Division (through Dr. E. D. Wilmoth): MAGIC I computer developed for spaceborne guidance systems and a pamphlet about the computer, ca. 1961 (305776).

Georgetown University Medical Center, Division of Plastic & Reconstructive Surgery (through Sharon Romm, M.D.): 21 instruments used in plastic surgery on the face, late 20th century (1986.0418).

Estate of Rudi Gernreich (through Dr. Oreste F. Pucciani): 61 pieces of man's, woman's, and unisex clothing designed by Rudi Gernreich between 1956 and 1985 and 7 sketches done by Mr. Gernreich in 1970 (1986.0013).

Phillip T. Gesell: square grand pianoforte made by Knabe & Sons of Baltimore, Maryland, ca. 1860 (1985.0799).

Florence F. Giddings and Helen F. Johnson: brass replica of Admiral Schley's belt buckle presented to David H. Fenton about 1900 (1986.0823).

Wilbur J. Giesler: adjustable wooden ironing board made by Mr. Giesler's grandfather and a wooden laundry paddle (1986.0821).

Constance A. and Gerard F. Gilbert: pair of white silk wedding shoes embroidered with flowers and worn by Mercy Lavinia Warren Bumpus when she

married "General Tom Thumb," Charles Sherwood Stratton, on February 10, 1863 (1987.0177).

Lorraine Gillespie: Dizzy Gillespie's King "Silver Flair" custom-made trumpet with angled bell, made by N. H. White of Eastlake, Ohio and its original case (1986.0003).

C. Gilliland: set of Cuisenaire rods and cubes used in teaching mathematics and 6 instruction books, 1960s (1987.0542).

C. Gilliland and L. W. Vosloh: 3 U.S. satirical political medals issued by Robert Julian, 1977-80 (1986.1012).

Girl Scouts of the United States of America (through Gordon V. MacKay): 8 posters, 3 sets of badges, a camp uniform of 1919, Junior uniform of the 1970s, Brownie uniform and Daisy uniform of 1986, and a set of postcards (1986.0906).

Vincent E. Giuliano: digital magnetic core shift register used in the Harvard Mark IV computer, built 1951-52 (1987.0041).

Morris Glachman: Voigtlander Prominent camera with F1.5 lens, 100mm telephoto lens, 35mm wide-angle lens, accessory viewfinder, sunshade/filter kit, and close-up lens/rangefinder attachment (1986.0904).

Robert D. Gleichenhaus: collection of 1,868 postage stamps, 34 covers, and 6 souvenir sheets of Switzerland, 1850-1979 (1986.0119).

Dale Gnage: automobile model which won the First National Scholarship Award in the Fisher Body Craftsman's Guild Contest, 1966 (1987.0253).

Roger Goiran: collection of 30 uniforms, insignia, and accouterments used by General Francois Goiran who served in the French Army from 1869 to 1914 (1982.0641).

Mrs. Gardner C. Goldthwaite: black linen girl's gym suit with a pair of black leather slippers worn by Mrs. Goldthwaite while attending Alhambra City High School in 1918 and a baseball player-shaped bottle opener (1987.0353).

Estate of Lillian S. Goodall (through Russell N. Shewmaker): 19 pieces of television and radio equipment collected by Alfred B. Goodall (1986.0178).

Nancy Gooding: man-in-service pin, bronze coat button, and a photo-holder collar insignia, WW I (1986.0875).

Leonard H. Gordy: rubber railroad car spring, ca. 1865 (1987.0378).

Constance R. Grace: print and 6 pieces of preliminary artwork of Return to Somerset by Constance R. Grace (1987.0017).

Elizabeth F. and Thomas B. Grave: cotton applique and pieced-work quilt signed and dated in 1843 by members of the Society of Friends of Philadelphia and New Jersey for Hanna Nicholson Grave (1986.0657).

Arlene M. Gray: 7 uniform items worn by Ms. Gray while serving as a radioman, 3rd class in the U.S. Navy, 1974-77 (1987.0457).

James W. Green: automobile model which won the Third National Scholarship Award in the Fisher Body Craftsman's Guild Contest, 1961 (1987.0084).

John L. Green: 2 pairs of boxing gloves and a leather pouch (1986.0319).

Dr. Mary Eloise Green and Earle M. and Jewell S. Green: 15 board games, card games, and puzzles used by the Green family from the late 1890s to the 1950s (1986.0814).

William F. Green: 85 phonograph records (1986.0253).

R. C. Gregg: Confederate ribbon with a 3-stripe, 8-star flag and the words "The South Forever/Jeff. Davis, Pres./A.H. Stephens, Vice President," 1860s (1987.0550); advertising note from Georgia printed on the back of an 1864 Confederate States of America 10-dollar note and a 2-dollar script note from the City of Chattanooga, Tennessee, 1870s (1987.0558).

Robert Grodanz: child's 3-piece silverplate flatware set and a "Tiddley Winks" game in its original box, 1950s (1987.0492).

Dr. Jonathan Grossman: silver presentation cup given to William B. Wilson, first Secretary of Labor, by the Maritime Organizations of the Pacific Coast in 1913 (1987.0052).

Aileen D. Gruendel in the name of Emma and Eva Dopp: 2 cabinet prints, one of Rudolph Eickenmeyer, Sr. and the other of Rudolph Eickenmeyer, Jr., taken by H. S. Wyer of Yonkers, New York (1986.0770).

Yao Gu-Shun: 52 mint stamps, 2 souvenir sheets and 2 souvenir folders of the People's Republic of China (1987.0417).

Frank W. Gyori, Jr.: phonograph recording of The Broadway Album by Barbra Streisand (1986.0514).

McVander Haef: woman's dress bodice, 1875-85 (1986.0557).

David H. and Shirley I. Hamley and their children Michael A. and Scott D. Hamley: industrial locomotive made by the Plymouth Locomotive Works about 1919 and equipped with a gasoline engine, dump car made by the Watt Car & Wheel Company about 1953, and 2 sections of narrow gauge rail (1986.0274).

Hammond Incorporated (through Caleb D. Hammond and Dean Hammond): set of 3 gores for a 16-inch terrestrial globe made by C. S. Hammond & Co. in the mid-1930s (1987.0154).

Robert E. Hanley: 2 leather mailbags, one marked "Bucheimer 1965" and the other "Bona Allen Inc 1970" (1987.0173).

Emma Miles Hanna and Frank A. Miles: woman's second day dress, 1854 (1986.0564).

Rita Hansen: English violette of the Prague School, ca. 1735, later reconstructed as a viola (1987.0028).

Scott H. Hanville, Jr. in memory of his grandfather William Goodhue: 15 stampless covers and a page of a letter, all 19th century (1986.0560).

F. C. Harding: Fi-Cord International tape recorder made in Switzerland, 1964 (1986.0407).

Robert S. Harding: RCA Victor television receiver, ca. 1960 (1986.0244).

Capt. and Mrs. David Louis Harlow: red brocade furnishing fabric (1980.0369).

Larry Harmon: 9-piece "Bozo the Clown" suit worn by Mr. Harmon (1984.0788).

Edward A. Harms: medal commemorating Salmon P. Chase and the Chase National Bank "Moneys of the World" exhibit and a photograph of Mr. Harms and the Chase National Bank Planning Department, 1939 (1986.0900).

The Harriman Jones Medical Clinic (through G. Borowick): 34 vials of surgical sutures, ca. 1940 (1984.0853).

Michael R. Harris: 2 moving picture posters from before 1920 (1987.0200); jar of "Superman Krunchy" peanut butter (1987.0380).

N. Neil Harris: bronze medal commemorating the 25th anniversary of the Purdue University School of Veterinary Medicine, 1959-84 (1987.0150).

Harvard University, Department of Physics, Lyman Laboratory of Physics (through Prof. Norman F. Ramsey): 2 radio-frequency oscillatory field coil assemblies built by Professor Ramsey about 1950 and his original hydrogen maser laboratory apparatus invented in 1960 (1980.0594).

William T. Hassett, Jr.: brass maker's plate for "Peter Smith's Patent Press Number 445" made by Robert Hoe Company of New York (1986.0877).

Hattori Corporation of America, Consumer Electronics Division (through Jerry Astor): Seiko TFT Pocket Color TV and Seiko Datagraph System with 7 components (1984.0944).

Dr. Lloyd E. and Vivian S. Hawes: 51 pieces of English ceramics, 17th and 18th centuries, 2 pieces of French ceramics, 18th century, and a plaster copy of the Portland Vase made in England (1987.0005).



Mrs. Corinne Heard in honor of her grandson, Leonard A. J. Richard, Jr.:  
 phonograph record of "America, Our Home," written by Corinne Heard and  
 performed by Liberace (1986.0803).

Daniel A. Hearlihy: 6 instruction books and pamphlets, 2 bow compasses, 2 sets  
 of drawing instruments, a set of architect's rules, and a pusher pencil  
 (1987.0589).

Col. Julian G. Hearne, Jr. USA (Ret.): Japanese officer's sword with scabbard  
 and sword knot surrendered by Maj. Yoshihiki Noda to Colonel Hearne on  
 Aka Shima Island on August 22, 1945, surrender document signed by Major  
 Noda, and a carbon copy of a surrender document signed on August 23, 1945  
 (1981.0837).

Raymond J. Hebert: 15 U.S. Army insignia and shoulder boards, Vietnam War era,  
 and 14 modern Civil Air Patrol insignia (1986.0964).

Meryem S. and Raymond J. Hebert: 15 U.S. and foreign bank notes (1985.0914);  
 brown silk string with 86 multi-colored West African "Aggry" trade beads  
 and a wooden bead (1986.0804); 28 U.S. and foreign tokens and medals  
 (1986.0841); 647 U.S. and foreign Roman Catholic medals, 16th-20th  
 centuries (1986.0984); 95 coins, medals, and tokens of India and the  
 Middle East, 171 B.C. to the 20th century (1986.1009); 11 ancient Greek  
 bronze coins of Panticapeum on the Black Sea, 350 to 50 B.C. (1986.1010);  
 58 U.S. medals and tokens, 30 foreign medals, weights, and tokens, and 8  
 U.S. stock certificates, 19th and 20th centuries (1986.1011); 96 U.S. and  
 foreign medallic pins and badges, 1950-70 (1986.1045).

Edward L. Heller: U.S.-manufactured Alpaca-lined jacket for extreme cold  
 weather, issued on lend-lease to the Russian Army in WW II (1987.0015).

Ralph R. Hellerich: flat-bed cylinder hand press made by Ernest Vaughan of  
 Paris and used to emboss braille letters in paper and 4 boxes of braille  
 type made by Allain Guillaume & Cie, ca. 1900 (1985.0476).

Rochambeau A. Herosian: industrial whole-face gas mask made by the Mine Safety  
 Appliance Company of Pittsburgh, Pennsylvania, ca. 1960 (1985.0912).

Hewlett-Packard Company (through Ernest S. Drake): cesium beam tube and a  
 cesium beam tube cut away to show internal structure (1981.0506);  
 (through Thomas E. Osborne): "Green Machine" calculator prototype with  
 logic unit developed by Thomas E. Osborne, prototype of the  
 Hewlett-Packard 9100A calculator, and 11 documents, 1964-68 (1978.0311);  
 (through Dr. Emery H. Rogers): Hewlett-Packard Model 5061A cesium beam  
 frequency standard digital clock (1980.0704).

Father Francis J. Heyden: aircraft navigational computing device in a case  
 (1987.0109).

William J. Hickman: bronze reproduction of "The Lone Sailor" statue at the  
 U.S. Navy Memorial in Washington, D.C., 1987 (1987.0283).

Harry A. Hilbert: covered oak and cane pyriform basket made by Mr. Hilbert in  
 the 19th-century Nantucket tradition, 1986 (1987.0229).

Prof. Roger H. Hildebrand: 2 liquid hydrogen bubble chambers (1980.0357).

John W. Hiller: leaflet encouraging people to register and vote and a poster  
 of the F.B.I.'s 10 most wanted men for offenses against women (1986.0782).

Bill Hoak in memory of Daniel Ray Hoak: 4 autographed lithographs, 2  
 baseballs, 2 drinking glasses, a ceramic mug, and a program, all  
 souvenirs of baseball games, 1921-71 (1986.0702).

Viola F. Hoes for the family of Valentine Doub Clark: sheet music titled  
 "General Lukbon, National Hymn of the Visayans," Philippine rope and reed  
 shoes, Philippine card game and a ribbon arm band, all of the  
 Spanish-American War period, and an issue of the San Francisco Bulletin,  
 Philippine Island Edition, dated March 9, 1902 (1977.0193).

Henriette Mednick Hoffman: 5 copies of The National Aegis published in 1802, a copy of The Western Luminary dated May 13, 1829, and a copy of Universal Yankee Nation dated February 6, 1841 (1986.0850).

John N. Hoffman (through the Rev. James B. Parsons): 1,126 charity seals (1986.0459).

George A. Hormel & Company (through V. Allen Krejci): 2 videotape cassettes of a press conference and a question-and-answer program held during a labor dispute, January 24, 1985 (1986.0643).

Harold Horowitz: wood engraved print, Bestiarium Juvenile, by Fritz Eichenberg, 1965 (1986.0927).

Lawrence S. House: upper frame from a patent model of a carriage frame for a locomotive patented on February 10, 1843 by Septimus Norris and William Knight (1987.0469).

Margaret S. Howard: 2 progressive trial strikes for a medal to commemorate Lt. Col. John E. Howard and his courage at the Battle of Cowpens on January 17, 1781 (1986.0833).

Richard H. Howland: handwritten receipt for a cashmere shawl dated December 17, 1867 (1986.0884).

William J. Hubbard: Hellige comparator and a Wallace and Tierman comparator used to analyze water (1986.0765).

Bernard J. Hubenet: set of 3 iron grape shot, set of 2 wrought iron nails, nail in a cleat, langrage fragment, and a lead shot, all collected from the wreck of the Royal Savage off Valcour Island in 1934 (1982.0263).

Hughes Aircraft Company, Electro-Optical & Data Systems Group (through D. A. Peat): laser target designator (1987.0026).

Ruth Mildred Hunter: 53 pieces of sheet music and 3 issues of Popular Song magazine (1986.0021).

James Lyle Hurd: Schwinn Panther girl's bicycle, 1953 (1986.1021).

Capt. M. E. Husted, Jr., USN, (Ret.): 9 uniform items worn through the U.S. Naval career of Captain Husted, 1956-86 (1987.0061).

James S. Hutchins: Japanese Army officer's field cap, WW II (1986.0967).

Prof. G. Evelyn Hutchinson: 424 stamps, 120 covers, 4 stamped envelopes, 2 aerogrammes, 2 postal order sheets, a postal card, parcel receipt, sample stamp card, miniature sheet, souvenir sheet, proof, and a broadside, all used by independent carriers during the 1971 postal strike in England (1985.0045).

Clare Cardozo Imburg: 28 needle working tools of the 19th century and a patterned silk shawl worn by Mrs. Imburg's grandmother, Miriam Peixotto Davis of New York City, in the early 20th century (1986.0696).

Rosalind B. Immerman: 9 photographs, 8 housedresses, 2 bills of sale, a blouse, and an advertising pencil, which all document the clothing manufacturer Manhattan Wrapper Company, 1902-19 (1986.0187); 3 payroll ledgers of the Manhattan Wrapper Company, 1909-28, and a photograph of the factory interior, ca. 1910 (1986.0715).

Inlandboatmen's Union of the Pacific, Marine Division-International Longshoremen's & Warehousemen's Union (through Lawrence J. Miner): 3 photographs, a cap, T-shirt, button, tie clip, pin, newspaper, sheet of stationery, and an envelope, all relating to the Inlandboatmen's Union of the Pacific (1986.0342).

Adm. W. D. Innis, USN (Ret.): brown leather U.S. Naval Aviator's transport coat used at cold altitudes by Admiral Innis during WW II (1986.0824).

Intel Corporation (through A. S. Grove): 12 microelectronic devices (1984.0124).

International Association of Bridge, Structural and Ornamental Iron Workers

- (through James E. Cole, Juel D. Drake, and Jake West): 28 items including decals, stationery, lapel buttons, buttons, belt buckles, bumper stickers, a sticker, lapel pin, tie bar and cufflinks set, and a sheet of letterhead, all relating to the International Association of Bridge, Structural and Ornamental Iron Workers (1986.0357).
- International Association of Machinists and Aerospace Workers, Office of the International President (through Janice Kuch): 3 stickers and a poster of the International Association of Machinists and Aerospace Workers (1986.0955).
- International Business Machines Corporation (through David E. Benevides): holographic disc from an IBM point-of-sale scanner (1985.0103); (through Doug E. Knight): IBM 650 drum cross-section and a CPC plugboard (1986.0779).
- International Ladies' Garment Workers' Union (through Jay Mazur): 16 badges, 13 posters, 7 advertisements, 6 buttons, 3 banners, 2 phonograph records, 2 dues books, 2 hats, a piece of sheet music, booklet, pin, and a medal of the International Ladies' Garment Workers' Union (1986.0710).
- International Union of the Journeymen Horseshoers of the United States and Canada, AFL-CIO (through Nick Marinelli): 2 stickers with the logo of the International Union of the Journeymen Horseshoers of the U.S. and Canada (1986.0346).
- International Union of Life Insurance Agents (through Robert C. Schuetz): 2 newsletters, a piece of stationery, and a card of the International Union of Life Insurance Agents (1986.0364).
- Government of the State of Israel, Ministry of Communications, Philatelic Services: 7 first day covers of Israel (1985.0649); 11 first day covers of Israel (1986.0089); 3 first day covers of Israel (1986.1048); 10 first day covers of Israel (1987.0171).
- Dorothy P. Jacobs: 4 video posters (1987.0128).
- Walter H. Jacobs, D.D.S.: 2 bronzed plaster casts of the right fists of Joe Louis and Jack Dempsey (1987.0159).
- Jacques Noel Jacobsen, Jr.: 4 insignia of the Civilian Conservation Corps, 1930s (1986.0100).
- Leona C. James (through Linda C. Woodcock): refined earthenware pitcher with "silver luster" finish, ca. 1825 (1986.0471).
- Barbara Suit Janssen: 2 membership cards, a sash with badges and pins, and a knife, all used by Mrs. Janssen as a Girl Scout, 1958-68 (1987.0050).
- The Bank of Japan, Cash Department (through Kazuhiho Sugimoto and Kozo Tsukagoshi): 2 silver 10,000-yen coins and 2 copper-nickel 500-yen coins commemorating the 60th anniversary of Emperor Hirohito's accession to the throne in 1926 (1986.1020).
- Barbara W. Jarrell: cheese-ball holder made by the Wilcox Silver Plate Co., late 19th century (1987.0140).
- Allen W. and Gwendolyn M. Jay: Monroe CSAE-10 electric calculating machine with cord (1987.0182).
- Hilda L. Jay: woman's white fabric fan, 1880-1900, and a green chiffon handkerchief with a printed design, 1920-30 (1987.0511).
- Allen H. Johness, Jr.: U.S. Sharps "John Brown" sporting rifle (1982.0025); U.S. revolver made by the Massachusetts Arms Company (1982.0723).
- Lester D. Johnson, M.D.: 8 contraceptive devices, 4 cups and a pen used to advertise contraceptive devices, 2 buttons of the Virginia Alliance for the Eradication of Venereal Disease, and a gestation calculator (1982.0370).
- Marilyn A. Johnson: 2 tickets designating Ms. Johnson's place in line at



Dupont Circle in Washington, D.C. and a "Staff" hat and armband, all from the "Hands Across America" event held May 25, 1986 (1986.0618).

Richard J. Johnson: automobile model which won the National Styling Scholarship Award in the Fisher Body Craftsman's Guild Contest, 1962 (1987.0254).

Jeffrey Jonas: 2 IBM printer carriage control tape punches and 2 groups of punched tapes (1986.0751).

Brigitte M. Joncas in memory of Carlo Alexander Brioschi and Roland A. Joncas: Austrian uniform with a coat, helmet, shoulder belt, sash, and a uniform box, 14 Austrian medals, 2 Austrian swords with scabbards, knots, and a sling, an identification tag, and a Hungarian medal, all belonging to Carlo Alexander Brioschi, WW I (1986.0373).

Mrs. Allen A. Jones (through Mr. and Mrs. John Coffland): set of drawing instruments in case used by Allen A. Jones as a civil engineer (305772).

Carroll R. Jones: woman's jacket, coat, 2-piece dress, and a bag, and a man's bearskin coat, late 19th-early 20th century (1986.0589).

Daisy Barnwell Jones: 3-piece wool suit hand-knitted by Mrs. Jones, dickey, and a pair of shoes, all worn by Mrs. Jones at her wedding on June 12, 1935 (1986.0766).

Norah E. Jones: leather pipe case, ca. 1895 (1987.0178).

Roger D. Jones: booklet titled Instructions for Conduct of Carriers and Delivery of Mail Matter, dated June 1945 (1986.0501).

Suzanne R. Jones and Sharon R. Pagendarm: medal with ribbon and pendant given to the last Commander-in-Chief of the Grand Army of the Republic, Theodore A. Penland, during the last encampment of the G.A.R. at Indianapolis, Indiana in 1949 (1987.0343).

R. W. Julian: 5 souvenir tokens from the Ironhorse Festivals in Cass County, Indiana, 1982-86, and a satirical "Justice" medal, 1981 (1986.0655).

K M Inc., Call Carl (through Joanna L. Creeger): Pitney Bowes postage meter mailing machine (1986.0216).

Carolyn S. & Col. H. Carl Kait: handwoven overshot coverlet of the 1840s (1986.0162); 14 pressed glass items in the "Frosted Ribbon" pattern, probably made by Bakewell, Pears & Co. of Pittsburgh, Pennsylvania, 1870s (1986.0165).

Rowland Kanner: automobile model which won the National Styling Scholarship Award in the Fisher Body Craftsman's Guild Contest, 1964 (1987.0363).

Alvin R. and Marjorie Sered Kantor: 20 post office forms dated 1836 to 1849 and 23 quarterly account reports for the 1840s (1986.0897); lithograph portrait of William Goddard, early organizer of the U.S. postal system (1986.0913).

Edward K. Kaprelian: 8 continuous-tone electrophotographs and a silver gelatin print made by the Signal Corps Engineering Laboratories on January 8, 1951, showing an electrograph camera (1986.0905).

Kasto-Racine, Inc. (through Hans Jehle): salesman's display book of 51 photographs of power hacksaws made by the Racine Tool and Machine Company of Racine, Wisconsin, ca. 1926 (1987.0366).

Jane Kayser-Simpson, Roger Simpson, and Jeff Smith: 4 rubber stamps, "REAGAN/BUSH '84," sold at the 1984 Republican National Convention (1984.1113).

Edward V. Keegan and Helene A. Larkin: 2 woman's dresses and a woman's 2-piece suit, 1897-1912 (1986.0555).

Mrs. Kathleen Keller: glove stretcher with silver handles in its original box, made in Birmingham, England in 1908 (1986.0852).

George H. Kelley: 7 surgical instruments and a case (1985.0581).

Dorothy B. Kennedy: 2 hat boxes, 1928 and 1940s (1987.0212).

Roger G. Kennedy: pair of stained glass windows designed by George Grant Elmslie, ca. 1920 (1985.0328).

Kenyon College, Department of Physics (through Thomas B. Greenslade, Jr.): cardboard wheel calculator used to determine the formulae for chemical compounds, made by the Chemical Rubber Company of Cleveland, Ohio, ca. 1933 (1986.0776); color absorption chart by Bausch & Lomb, 1916 (1987.0093).

Boonsong Keomanywong: house model of bamboo, palm, and wood made by Mr. Keomanywong as representative of his native Kmhmu culture (1985.0573).

Dr. Edward Keonjian: portable solar-powered radio transmitter, 1954 (1986.0377); 88 microelectronic transistors, integrated circuit packages, and resistors, some invented by Dr. Keonjian, 1959-62 (1986.0417).

Loretta G. and Steven M. Kepler in honor of Carmelo Guglielmino and Reginald H. Metcalf, Jr.: 21-star U.S. national flag, 1819-20 (1987.0106).

William E. Kerber: 24 U.S. Army insignia and 19 U.S. Army Aviation uniform items worn by Captain Kerber, ca. 1970 (1986.0306).

James W. Kerr: forged postage stamp of the Gold Coast (1986.1042).

Keuffel & Esser Company (through Marsh W. Bull): logarithmic Anolon slide rule and instruction manual (304347).

Elizabeth D. Keyes: scarlet net military sash, artillery hat cord, and a medal of the Military Order of the Loyal Legion of the U.S. (308523).

Boonthong Khansouvong: 6 bamboo objects used to prepare and serve food, 2 musical instruments, and a ritual staff, all Kmhmu-American items made and used by Mr. Khansouvong (1985.0574).

Leck Khoonsirivong: set of equipment for making fish nets and a flute, all Kmhmu-American items made and used by Mr. Khoonsirivong (1985.0571).

Claudia Brush Kidwell: a girl's 6-piece Hawaiian costume and a girl's Red Cross nurse's apron, 1974 (1987.0043); board game, "What Shall I Wear?," by Selchow & Righter Company, 1969 (1987.0048).

Mrs. Howard Kinzer: boy's clothing including 2 pairs of gloves, 2 pairs of shoes, and 2 2-piece suits, and a picture of Howard Kinzer wearing one of the suits, all 1908-16 (1986.0479).

Mavis L. Kislingbury: woman's knickers, gaiters, gloves, stockings, and shoes, late 19th to early 20th century (1986.0611).

Margaret B. Klapthor: WW II Army Air Force Observer armband and pin (1986.0594).

Ben Kleinerman: 3 Bowling Swing motion sensors, a Steelman transitape recorder, Cinesone motion picture audio converter, Hughes slow-scan television, and a cardiac function indicator, all invented and patented by Mr. Kleinerman, 1950s-60s (1986.0724).

H. Douglas Kline: U.S. leather-laced, legging-topped boots, WW II (1986.0098).

Robert Lee Klinger: bicycle bell (1986.0389).

Wm. B. Knapp: 2 women's baseball cards of Maud Nelson and the Western Bloomer Girls (1986.0020).

Judith L. and Wayne R. Knight: upright parlor reed organ made by Mason & Hamlin, 1895-1900 (1985.0583).

Edith Kramer: ink drawing titled "Noise in the Machine Shop" done by Ms. Kramer while working as a machinist at Sossner Steel Stamp Company during WW II (1987.0190).

Carol L. Kregloh: pair of woman's drawers, 1880-1920, woman's undershirt, 1890-1920, and 2 baby's bibs, 1886 (1986.0740).

Alice Lilly Krueger in memory of Prof. Hugo Burghauser: English horn made by Otto Moennig with original case, bocal, and reed, late 19th century

(1986.0581); oboe d'amour made by Adler & Co., early 20th century (1987.0054).

Philip Krupen: 5 slide rules, a Wood-Regan lettering set, Dietzgen French curve set, Sprague template for logic circuits, and 3 instruction pamphlets (1986.0790).

Michael Krzyzanowski: translucent blue "Tupperware" pitcher with lid, ca. 1954 (1987.0180).

Robert P. Kunst: bumper sticker, handout, newspaper article, biographical sketch, letter and a press release documenting Mr. Kunst's campaign for the U.S. Senate in 1986 (1986.0923); 11 bumper stickers with political messages (1987.0555).

Herbert M. Kurima: duffle bag and a piece of packing canvas used to move to an assembly center, a night stand made at the Fresno Assembly Center, and a berry tray with 12 baskets and a shipping crate used at Jerome Relocation Center during WW II (1985.0832).

Mrs. Ellen S. Kurtz: woman's 2-piece dress worn by Clara Scheifley, ca. 1905-10 (1986.0480).

Alberta M. and John R. Kutz: newspaper, The Firey Cross, dated July 6, 1923 (1986.0248).

Labor Institute of Public Affairs (through Larry Kirkman): 3 videotape cassettes and a press kit of advertisements (1986.0924).

Cameron J. LaClair, Jr.: Heathkit shortwave communications receiver (1985.0099).

Landis Tool Company (through D. H. Ruth): universal cylindrical grinding machine designed and constructed by Abraham B. Landis in 1883 and a transfer grinding machine model, mid-20th century (234095).

Lansburgh's Department Store: woman's torso clothing display form, 1950-65 (1986.0974).

Blair Chamberlain Larsen: pair of U.S. hobnail shoes, 1917 (1987.0444).

Jack Larson: bow tie worn by Mr. Larson when playing Jimmy Olson on the "Superman" television series, 1956 (1987.0458).

Nadine L. Lawson: 40 Islamic coins, 22 Byzantine coins, 21 Roman coins, 20 U.S. and foreign tokens and medals, 17 Greek bronze and silver coins, 3 modern minor coins, and 2 medieval Italian coins (1986.1038).

Laybourne/Lemle, Inc., Media Probes (through Linda Cameron): videotape cassette, Media Probes: Political Spots (1982.0506).

League of Women Voters Education Fund (through Grant P. Thompson): 7 videotape cassettes of presidential and vice-presidential candidates' debates in 1984 and League of Women Voters public service announcements (1985.0299).

Mortimer C. Lebowitz and Leonard Lesley: 27 stained glass windows from Jelleff's Department Store in Washington, D.C. made by D'ascenzo Studios of Philadelphia, Pennsylvania, ca. 1925 (1985.0195).

Pamela Lechtman: 2 diaries kept by Ms. Lechtman, 1955-56 (1987.0094).

O. H. Lee: letter carrier's badge issued by the Gardena, California Post Office, ca. 1949 (1986.0648).

Dr. John R. Lehmann: code practice machine used to learn radio telegraph code (1986.0693).

Sherry G. Lehr: 7 pairs of artificial legs and an artificial left leg worn by Ms. Lehr from 1954-81 (1987.0362).

David B. Lellinger: 2 pocket compasses (1986.0243).

John E. Lenker: 2 medals commemorating the Redlands Coin Club of Redlands, California and the 50th anniversary of the landing of 3 Russian flyers on July 14, 1937, designed by Mr. Lenker in 1987 (1987.0090).

Eleanor R. Leon: yellow-glazed earthenware jar and cover with silver resist



decoration, made in England, 1800-35 (1986.1006).

Mrs. Pearl Leonard: U.S. Navy officer's blue boat cloak, WW I (1987.0143).

Dr. Robert L. Leslie: 9 sets of type punches used to make matrices for casting printing type and 7 bookbinder's stamps, collected by Dr. Leslie in Paris in 1922 (1986.0193).

Judy Lester: Woman's Ambulance Defense Corps of America khaki uniform with insignia and accessories worn by Miss Lester during WW II (1986.0851).

Charlotte D. and David S. Letts: woman's robe worn by Laura Whitmore Dana, 1878-84 (1986.0815).

Ann Gordon Levine: 4 volumes of the book, The History of Woman Suffrage, and a lithograph of Frances Wright (1986.0050).

Bernard R. Levine: 5 dinner knives, 2 dessert knives, and a dinner fork (1986.0635); dessert knife manufactured by the New York Knife Company and a 3-tined fork, mid-19th century (1987.0377).

Hope Anthony Levy: 289 needlework tools, perforated cardboard embroideries, and examples of canvas work, ribbon work, and pieced work, 18th through 20th centuries (1986.1023).

Steven A. Levy and Lois R. Zuckerman: cash register made by National Cash Register in the 1920s (1986.0899).

Eula B. Lewis: leather fishing tackle wallet, ca. 1800 (1986.0957); 2 silver-plated oil lamps, ca. 1886, 2 brass stencils for calling cards, ca. 1890, a mechanical swimming doll, 1890s, soapstone griddle, ca. 1890, doll stand patented July 26, 1892, and a costume doll, ca. 1941 (1987.0001); 1888 "Harrison" ribbon, "Carrie Nation Hatchet Crusade" medal, Lincoln Exhibit coin, and a section of rail with affidavits verifying its having been split by Abraham Lincoln, all from the 1933 World's Fair, "A Century of Progress," in Chicago, Illinois (1987.0012).

Tommy K. Lewis: self-administered acu-pressure massage device (1986.0937).

Robert D. Lichty: 3 U.S. medals, a U.S. silver ingot, German medal, Canadian dollar, and a Mexican 5-peso coin, all of which commemorate railroads (1986.0709); bronze medal commemorating John F. Kennedy's visit to Germany and Konrad Adenauer, 1963, bronze medal commemorating John F. Kennedy, Dr. Martin Luther King, Jr., and Robert F. Kennedy, and a silver ingot commemorating the Philadelphia Centennial, 1976 (1987.0356).

George Lill III: 2 artist's plasters, dated 1912, by James Earle Fraser for the obverse and reverse of the Indian head-buffalo nickle issued from 1913 to 1938 (1986.0908).

H. L. Lindquist Publications Inc. (through Daniel R. Milliman): 1,152 U.S. and foreign first day and commemorative covers and a souvenir folder (1986.0207); Stamps Magazine (through James Morton): worldwide philatelic collection of 2,315 covers, 26 souvenir cards, 24 stamped envelopes, 19 cinderellas, 15 postal cards, 15 stamps, 8 maximum cards, 5 aerogrammes, 2 postcards, 2 date-stamps, 2 souvenir sheets, and a special events card (1984.0155).

Dana A. Linett: 10-pound note of South Carolina authorized on April 7, 1770 and redeemable for taxes until March 25, 1775 (1986.1007).

The Linotype Group (through Dr. W. Kummer): 2 Mergenthaler-Celephane type composing machines which indented letters into papier-mache for type-casting, 1876 and 1879, and Otto Mergenthaler's second "band" machine which cast line-of-type, 1884 (1986.0879).

Joel M. Litman: 7 USAF officer mess dress uniform items and a 2-piece USAF fatigue uniform (1986.0461).

J. B. Litzinger: Japanese naval ensign believed to have been flown from the battleship Mikasa (1986.0828).

George Lloyd: Hickok electric ammeter, 1920s (1986.0993).

Charles E. Locke: handkerchief and personal calling card of Mrs. Woodrow Wilson and a letter from her secretary dated November 16, 1921 (1987.0011).

Paul L. Loewenwarter: 7 Boy Scout uniform items, 2 membership cards, and a roster card used by Ernest David Loewenwarter at Camp Custer, New York, 1911-14 (1986.0029).

Ricardo T. Lopez: carved aspen and juniper sculpture of flowers and birds made by Mr. Lopez, ca. 1982 (1986.0700).

Korla Pandit Lord: 2 pieces of telegraph cable laid by American Radio and Cable Company from New York to Cuba about 1915 (1986.0567).

Lordship Industries Incorporated, Manufacturing Jewelers (through Judith Corrigan): 2 U.S. eagle belt plates, a Legionnaire Legion of Merit set, and a Veterans Administration "50 Years of Service" lapel pin (1979.1057).

Betty Lotz in memory of Dorothy Blanchard Bird: sheer silk dress with bobbin lace insertion, ribbon work, and trim embroidered in a floral pattern, 20th century (1986.0882).

Jeffrey A. Lowin: baseball fielder's glove used by Mr. Lowin's father in 1910 (1986.0958).

Ted Lowy: electric pleating iron, ca. 1929 (1986.0737).

Barbara K. and William M. Lubar: "Bay West" wash-up kit, 1920s (1986.0979).

Isabel Cary Lundberg: 18-piece silver dresser set made by Frederick Desborough Cary, founder of Globe Art Manufacturing Company in Belleville, New Jersey, 1907-30, and a machine-made lace runner (1983.0697).

Philip K. Lundeberg, Ph.D.: parachutist badge insignia worn by Paul Munson Lundeberg (1987.0193); philatelic cover commemorating the first battle between the ironclads USS Monitor and CSS Virginia, cancelled at Portsmouth, Virginia on March 9, 1987 (1987.0207).

Barbara M. and Lloyd S. Luther: carte de visite by W. W. Hoyt titled "Dr. M. L. Rossvally, The Converted Jew" (1986.0903).

Robert R. Lyons in memory of Robert Lyons: 2 U.S. Naval cutlasses, model 1860, used by the donor's grandfather Robert Rodgers during his service in the U.S. Navy (1986.0920).

Nancy Cunningham MacDonald: child's appliqued and pieced work bed cover and matching pillow case made in China in 1926 (1986.0676).

Nancy E. MacDonald: 2 composition books, ca. 1832 (1986.0716).

Malcolm MacGregor (through Eugene R. Sullivan): 1,794 autographed postage stamps and 1,407 unautographed postage stamps (1984.0121).

Joseph J. Machado, Jr.: equatorial star finder made by C. J. Kullmer of Syracuse, New York in 1910 (1986.0544).

G. A. MacKenzie: 4 covers cancelled at the Shearwater International Air Show in Canada, 1984 and 1986 (1987.0485).

Christine M. Magee: pair of boy's cowboy boots, 1980 (1987.0030).

Christine M. and Christopher M. Magee in memory of Golden Magee Griener: 4 pairs of woman's kid leather gloves which belonged to Mrs. Griener, 1890-1910 (1985.0734).

Samuel B. Magill: sector (305959).

Kenneth R. Mains: metal souvenir cup of the Grand Army of the Republic's 42nd National Encampment held at Toledo, Ohio in September 1908 (1987.0545).

Ward P. Mann: watercolor painting of the house on Holinbeck street in Rochester, New York, considered to be the birthplace of xerography, painted by Mr. Mann in 1980 (1984.0442).

Royal Marcher, Jr.: 38 ship's newspapers and paper memorabilia reflecting a sailor's life aboard the USS Randolph in 1945 and 2 pieces of silk from a

Japanese pilot's parachute (1984.0317).

Marketcom Group (through Robert G. Hennkens): 5 baseball trading cards, 3 pin-back buttons, a set of Conlon series "Baseball Immortals" commemorative cards, and a section of AstroTurf from Busch Stadium in St. Louis, Missouri (1985.0811).

Leslie L. Martinez: 5 banner pieces from Pennsylvania used in the Ribbon Peace Rally held in Washington, D.C. on August 4, 1985 (1986.0619).

Justin D. R. and Orlando D. Martino: 3 nuclear protest posters, a mask worn by Justin Martino at the Ribbon Peace Rally in Washington, D.C. on August 4, 1985, and 5 photographs of Justin Martino at the rally (1986.0060).

Massachusetts Institute of Technology, Lincoln Laboratory: 24 components of a CG-24 computer (304346); (through Evelyn M. E. Murray): silicon wafer (1985.0308).

Margot Bailey Bell Maw: 2 pen holders in an original box marked "Mabie Todd & Company" (1981.0798).

Barbara Ann Maxwell: shoulder bag, pair of gloves, and 2 cap insignia of the woman's U.S. Public Health Service officer's uniform (1986.0382).

Elizabeth Eckhardt May: colored lithograph of the Battle of Manila Bay copyrighted by Kurtz and Allison of Chicago in 1898 (1980.0491).

Evelyn May: scarf commemorating the 28th convention of the International Ladies' Garment Workers' Union held in Chicago, May 1953 (1986.0969).

Alfred M. Mayo: 3 Varo "flip-flop" microcircuits, 2 Litton "flip-flop" microcircuits, a ceramic microcircuit, set of Douglas Aircraft plug-in devices, Seromechanism's magnetic "bubble" microcircuit, and a transmitter microcircuit, all 1955-60 (1985.0404).

Edith P. Mayo: booklet titled See How She Runs, Effective Political Techniques by Patricia Jo Smith, DeEtta V. Thompson, and Melissa Thompson in 1975 (1978.0998).

Josephine L. and Terry J. McAdams: wool paisley-type long shawl, ca. 1864 (1986.0881).

Dr. Gilbert McArdle: automobile model which was the First State and Regional Award winner in the Fisher Body Craftsman's Guild Contest, 1955 (1987.0364).

John McCabe: handwritten gag by Stan Laurel (1987.0215).

Gregg C. McCornack: 21 phonographic records (1986.0960).

Lynn M. McCullough in memory of Hazel Fitch Foehner: New York State Commission of 1st Lieutenant William Thayer signed by Governor William Seward, 1842 (1986.0970).

Ellen J. and Roger W. McIntire: 5 agricultural implement models, 1929-54 (1986.0818).

Helen McPherson: double-bell euphonium with original case, made by C. G. Conn & Company of Elkhart, Indiana in 1934 (1986.0391).

CSM Elwood Lee McSherry, USA (Ret.): U.S. Army green uniform and accessories for Command Sergeant Major (1986.0215).

George Mecir: 3-piece enlisted man's dress blue uniform, 2 enlisted warrants, 1908, and an honorable discharge, 1909 (1986.0462).

John P. Meehan: towel commemorating the Democratic Party Conference of June 1982 held in Philadelphia, Pennsylvania (1984.1029).

Edith R. Meggars (through Howard Kolodny): 43 mathematical instruments and puzzles (314637).

Mrs. William F. Meggers: 2 Millionaire calculating machines with stands and 5 pieces of documentation (319929).

Barry A. Mehlman: man's burgundy ribbed silk robe with blue brocaded design, made by A. Sulka and Company about 1955 (1986.0939).



Maj. Gen. Thomas W. Mellen, USA (Ret.): U.S. Army Major General mess dress uniform with 3 insignia and a pair of shoulder knots in their original box (1986.0876).

Anthea deForest Mellon in memory of Clayton Ely Emig, Esq.: square grand piano made by Charles Stieff & Co. of Baltimore, Maryland, ca. 1856 and a piano stool (1987.0091).

Mrs. Anita Mercer and Miss Elizabeth A. Skorvaga: woman's dress, 1910-20 (1986.0554).

Margaret Kober Merzbach: 2 neckties and 2 matching handkerchiefs worn by Professor L. H. Merzbach in Texas, 1950-59 (1979.0397).

Bruce H. Meyer: child's Howdy Doody cowboy costume including chaps, vest, boot covers, and neck scarf, worn by Mr. Meyer about 1950 (1986.0587).

Camilla Cherry Michael and Lois Raymond Michael: English medal commemorating the Royal Henley Regatta, Visitors Challenge Cup, 1932 (1987.0453); miner's "dipping needle" compass made by Jos. G. Pollard Company of Brooklyn, New York (1987.0480).

Robert Middleton: Rural Free Delivery cash and stamp box (1986.0483).

Caroline Benes Miller: 2 combs, a rosary, ceramic statue of the Sacred Heart of Jesus, ceramic statue of the Sacred Heart of Mary, tin type, and a copy of Uncle Tom's Cabin (1978.0647).

Robert B. Mills: U.S. Army leather jerkin, WW I (1986.0250).

Forrest M. Mims III: 34 pieces of computer manuals and documentation, a MITS 816 calculator assembled by Mr. Mims in 1971, and an analog language translator computer built by Mr. Mims, 1961-62 (1986.0463); Altair 8800 microcomputer made by Micro Instrumentation and Telemetry Systems of Albuquerque, New Mexico in 1974 (1987.0066).

Claire F. Minami: 2-piece wooden box coated with shellac made by Mrs. Minami's father, Tsuchiichi Fujishige, while interned at Hila River Camp, California during WW II (1986.0424).

State of Minnesota, Department of Revenue (through Thomas R. Lehman): 90 marijuana and controlled substance revenue stamps of Minnesota first issued in August 1986 (1986.0744).

Clarissa Coburn Minnick: 20 Christmas ornaments, 16 kitchen utensils, and an oak dresser with tilting mirror made by Coppes, Zook, and Mutschler Company of Nappanee, Indiana, ca. 1900 (1987.0160).

Rachael F. Mischker in memory of her husband, Erwin John Mischker: micrometer invented and patented by John S. Mischker in 1932 and a pair of electric hedge trimmers invented and patented by Mr. Mischker about 1943 (1987.0422).

University of Missouri-Columbia, Department of Civil Engineering (through Prof. John J. Cassidy): 35 surveying and mapping instruments and 2 books (300659).

Edna G. Mitchell: U.S. Women's Army Corps taupe wool enlisted uniform including a coat, skirt, garrison cap, shirtwaist, and a pair of dress brown pump-style shoes, ca. 1950 (1986.0126).

Frank T. Mitchell, Jr.: 5 tintypes, 4 cabinet cards, 3 mounted photographs, an ambrotype, and a carte de visite (1986.0864).

Abbot Low Moffat and Marion Adams Moffat: watch alarm in its original box (1986.0132).

David R. Moffit: 5 buttons produced for the Democratic Party of Oregon during the 1984 presidential campaign (1986.0855).

Albert F. and Loretta M. Moglie: 3 fiberglass bows by Roth-Glasser, 2 violin bows by A. H. Karr, a violin bow by Albert, cello bow by Richard Geipel, electric metronome, early 19th-century French violin back, and a

workbench with 2 stools and a bending iron used by Mr. Moglie to make and repair violins in Washington, D.C., 1922-87 (1987.0501).

Government of the Principality of Monaco, Postes et Telecommunication, Office des Emmissions de Timbres-Poste: 55 mint stamps, 3 souvenir sheets, and a die proof of Monaco (1985.0565); 34 mint stamps, 3 souvenir sheets, and a die proof of Monaco (1986.0277); 15 mint stamps and a miniature sheet of Monaco (1986.0912).

Joan Mondale: 9 buttons, 2 T-shirts, 2 boxes containing cufflinks and tietacks, a necktie, letter in envelope, cookbook, umbrella, scarf, embroidered pocketbook, and a pin (1987.0396).

Mrs. Mary E. Moore: 10 pieces of infant's clothing and accessories dated 1907-08, an infant's robe made in the 1860s, and a girl's dress of 1909-10, all worn by Mrs. Moore as a small child (1986.0280).

Paul Moore: program for the Army-Navy football game on November 29, 1941 (1986.0477).

Robert H. Moore: machine tool price list, machine tool broadside, Thames Tunnel broadside, and a Dynamo design testimonial, 19th century (1986.0610).

D. D. and Lloyd Morgan: 1,183 books, booklets, leaflets, pamphlets, and periodicals on printing and allied trades (1982.0187).

Gale P. Morris: automobile model which won the Third National Scholarship Award in the Fisher Body Craftsman's Guild Contest, 1949 (1987.0447).

Joan Morris: 9 WW II ration stamp books with a wallet and 2 S&H Green Stamp books (1986.0863).

Lucien E. Morris, M.D.: "Copper Kettle" anesthesia machine made by the Foregger Company about 1955 according to specifications by Mr. Morris, the inventor (1985.0735).

Peter Morse: 1,604 postage stamps and souvenir sheets of Turkey, 1938-72 (1986.0401).

Julia M. Morton: man's combination dress-shirt and a man's skirt designed by Ms. Morton for Spring 1987 (1987.0003).

Marjorie F. Morton: postage stamp-sized miniature tintype album dated 1867 (1986.0845).

Lt. Col. William B. Mosey, Jr., USA (Ret.): bolt of fabric printed with 2 48-star U.S. flags (1987.0118).

Motley's Auctions Inc. (through Mark Motley): egg mailing crate (1986.1027).

Dorothy Williams Mott: 2 dresses, a pair of drawers with matching petticoat, cape, neckpiece, and sash worn by Rose Ladd Knowlton, ca. 1900 (1986.0437).

Frances M. Rudell Moyer: 2 woman's bracelets, a woman's brooch, pair of man's mittens, and a girl's dress, late 19th and early 20th century (1987.0163).

Joan E. Murphy in memory of Regina Codey: 2 woman's jackets with floral embroidery made by Mariska Karasz, mid-20th century (1987.0280).

Mrs. John H. Murray: pieced work quilt in the "Double Wedding Ring" pattern, North Carolina, 1930 and an embroidered butterfly lapel pin, 1930 (1986.1029).

Museu Paraneze Emilio Goeldi (through Guilherme M. de La Penha, Ph.D.): Brazilian medal commemorating the 120th anniversary of the Museu Paraneze Emilio Goeldi, 1986 (1986.0907).

John P. and Shirley A. Myers: 7 prints and 3 souvenir booklets from the early 20th century (1986.0378).

Susan H. Myers: 207 stereographs of views in Washington, D.C., including the U.S. Capitol building, the White House, and the Pension Building, and a magazine article about pianos in the White House (1986.0188); 205

stereograph cards of scenes in Washington, D.C. (1987.0002); 21 stereocards of views in Philadelphia, 1887-1907 (1987.0045).

Dr. Alixa Naff: 4 bracelets and a black satin pouch made in Syria in the late 19th century (1986.0878).

Frank A. Nagy: 361 mint and used postage stamps of Turkey (1986.0399).

Dr. Perham C. Nahl: 608 first flight covers from Contract Air Mail routes (1986.0026); 218 first flight covers from Contract Air Mail routes (1986.0990).

National Association of Letter Carriers (through Lorraine Swerdloff): piece of letterhead with envelope, cacheted cover, and a patch of the National Association of Letter Carriers (1986.0769).

National Organization for Women, Inc. (through Lois Galgay Reckitt): 5 T-shirts with ERA slogans, a book titled ERA Countdown Campaign 1981-1982, and a sun visor reading "NOW/PAC Woman" (1986.0061).

National Society Children of the American Revolution (through James H. Johnson): M1842 Austrian Augustin carbine bayonet picked up on a battlefield (1984.0075).

National Tire Wholesale, Inc. (through P. E. Brosmer): oil cloth banner made by workers of the National Tire Wholesale in support of "Hands Across America" held on May 25, 1986 (1986.0617).

National Women's Political Caucus--Pasadena (through Shirley S. Spencer): videotape cassette called "Trailblazers" on women who ran for political office in the Pasadena, California area in 1986 (1987.0188).

The National Yeoman (F) (through Irene M. Brown): 13 documents and memorabilia, a checkbook, and a plaque of The National Yeoman (F), an organization of women who served in the U.S. Navy during WW I which was disbanded in 1986 (1987.0060).

Mary Ellen P. Neal and Ellen C. Potter: Campfire Girls' Indian dress worn by Ellen C. Potter, ca. 1918 (1987.0425).

Government of the Netherlands, PTT Centrale Directie: 9 mint stamps of the Netherlands (1986.0327); 21 mint stamps and a souvenir sheet of the Netherlands (1986.0680); PTT Headquarters, Postal Department (through A. W. van Ommeren): 9 mint stamps and a souvenir sheet of the Netherlands (1985.0564).

Barbara L. Nettesheim: 2 white linen damask tea tableclothes initialed "L. S.," ca. 1869 (1986.0117).

Government of New Zealand, Post Office, Philatelic Bureau (through G. W. Warner): 9 mint stamps of New Zealand (1985.0595); 24 vending machine postage labels, 19 mint stamps, and a souvenir sheet of New Zealand (1986.0138); 10 mint stamps and a souvenir sheet of New Zealand (1986.0743).

John W. Nickum, Jr.: 32 Edison phonorecord disks (1985.0893).

A. C. Nielsen Company (through James D. Lyons): audimeter with waxed tape stylus used to monitor radio listening in the 1930s, prototype audimeter with magnetic tape used only in Japan, and a mailable audimeter used to monitor radio and television from 1949 to the 1970s (1986.0664).

Government of Niue, Niue Post Office, Philatelic Bureau: 7 stamps, 3 first day covers, and 2 souvenir sheets of Niue (1986.0111); 10 mint stamps, 7 souvenir sheets, and 6 first day covers of Niue (1986.0726).

Town of North Brookfield, Massachusetts (through Sheila A. Buzzell): flag of the 12th Colored Artillery Regiment, ca. 1863 (1981.0747).

University of North Carolina at Chapel Hill, Wilson Library, Southern Historical Collection (through Carolyn A. Wallace): 27 political posters (1986.0534).



George A. Norton, Jr.: 2 dues books, a certification card, button, and a decal from the International Association of Machinists, Lodge 174 and a withdrawal card from the Retail International Association, all used by Mr. Norton (1986.0517).

Government of Norway, General Directorate of Posts: 6 mint stamps and 4 first day covers of Norway (1985.0385); 8 mint stamps and 3 first day covers of Norway (1985.0710); 2 mint stamps and a first day cover of Norway (1986.0614); 4 mint stamps and 2 first day covers of Norway (1986.1047); 8 mint stamps, 5 first day covers, and a souvenir sheet of Norway (1987.0169).

Rev. Donnel O'Flynn: 8-keyed wooden flute made in the 19th century by William Hall & Son of New York (1987.0029).

Robert S. Oakes: celestial globe by James Wilson, 1821 (1987.0077).

Estate of Jay G. Odell, Sr. (through David A. Odell): Laotian handcrafted Muong rifle (1986.0170).

Odin International Limited (through Thomas B. Nelson): Finnish Valmet M-76 light machine gun (1986.0838).

Office and Professional Employees International Union, AFL-CIO, CLC (through G. Beauregard): 4 placards, 2 pieces of stationery, and 2 buttons of the Office and Professional Employees International Union (1986.0271).

Official Presidential Inaugural Commemoratives (through Jerry L. Wallace): 15 souvenir items, information packets, and tickets distributed during the 1985 inauguration of President Ronald Reagan (1986.0486).

Warren G. Ogden, Jr.: horseshoer's foot vise, Pratt and Whitney Company bench micrometer, combination anvil and vise tool patented in 1877, and a pair of Morley & Sons thread scissors made in Germany (1986.0848).

Ohio Historical Society (through William G. Myers): 39 labor union badges, ribbons, and lapel pins, a wooden token, and a Red Cross button (1986.0408).

Ordnance Technology, Inc. (through Andrew J. Grandy): 5 containers holding 12 cartridges of "U"-shaped ammunition (1986.0057).

Sabinita L. Ortiz: carved pine statuette of St. Anthony of Padua and the Infant Jesus made by Mrs. Ortiz in 1986 at the 20th Festival of American Folklife (1986.0701).

Miss Libbie Osborn: 18 medals and badges and a sword with scabbard used by George Osborn during the Spanish-American War, 1898 (1981.0940).

Susan Ostroff: woman's collar, 1840-60, and a woman's blouse, 1905-10 (1987.0078).

Robert L. Overmyer, Jr.: U.S. Navy Security Police armband worn by Mr. Overmyer while on duty in East Danang, Vietnam, 1968-69 (1987.0174).

Joyce M. Overton: 2 arm bands, 2 song sheets, 2 envelopes, a mailing folder, poster, garbage bag, button, lapel pin, cap, and a T-shirt, all used by Ms. Overton during her participation in Chicago in "Hands Across America" on May 25, 1986 (1986.0789).

Randall Owens: stereo viewer and a box of 14 slides, "Genesis Collection" (1987.0259).

J. Mark Paden: 107 Uruguayan banknotes, 19th and 20th centuries (1986.1037).

Ruth M. Parks: grain testing scale manufactured by E. & T. Fairbanks and Company in St. Johnsbury, Vermont, ca. 1877 (1986.0566).

Parkway Plastics Inc. (through Edward W. Rowan): 8 empty plastic pharmaceutical jars (1983.0748).

Dr. Sidney Peerless: 18 ancient Greek silver coins and a Roman imperial bronze coin (1986.0632).

Commonwealth of Pennsylvania, Department of Property and Supplies, Bureau of

Management Information Systems (through L. H. Walker, Jr.): UNIVAC I computer component console (305982).

Government of Penrhyn, Post Office: 10 mint stamps, 8 souvenir sheets, and 2 first day covers of Penrhyn (1985.0555); 5 stamps, 2 first day covers, and a souvenir sheet of Penrhyn (1986.0258); 11 mint stamps, 4 souvenir sheets, and 4 first day covers of Penrhyn (1986.0722).

People For The American Way (through Arthur Kropp): 4 videotape cassettes and a poster (1986.0756).

The Peoria Journal Star, Inc. (through David J. Schlink): Unicon calculating slide rule (303772).

Charly Perethian: modified Rifle/Yamaha high-mileage motorcycle (1987.0233).

John C. Perkins: boy's 2-piece black velvet suit with a bolero-style jacket, 1870s (1986.0941).

Richard Peshek: adding machine enclosed in glass made by the Austin Adding Machine Company of Baltimore, Maryland, ca. 1912 (304348).

Arnold C. Petersen: 2 postal money orders of the 1890's, 2 postal money orders of 1951, a postal note of 1945, and a first flight cover for Contract Air Mail route 49B (1986.0945); podium plaque with the U.S. Post Office Department seal used by Mr. Petersen when giving policy speeches while he was the Director of Postmasters (1987.0192); twine knife (1987.0446).

Mendel L. Peterson: 1,540 modern coins of Europe, the Indian subcontinent, the Far East, and the Pacific area (1986.0800); 1,504 foreign modern minor coins, 11 U.S. and foreign tokens and medals, 10 ancient and medieval Islamic and Oriental coins, and 2 pieces of numismatic memorabilia relating to Stuart Mosher (1986.0862); 11 cowrie shells used in trade, 5 Moghal silver rupees of India, 2 bronze Roman counterfeit coins, and a piece of trade copper encrusted with coral and cowrie shells (1986.0892).

Jane F. Petitmermet: Philco radio receiver (1986.0671).

Thongsoun Phuthama: Kmhmu-American canteen made for use in the house by Mr. Phuthama (1985.0576).

Naomi Piekarski in the names of her children Bernard, Esther Bernice, and Leonard David Piekarski: adding machine patented by the Smallwood Calculator Company of Oakland, California on February 23, 1926 (1977.0688).

Byronul Pineda: phototransmitter made by Muirhead Company in England and used by Time-Life Magazines to transmit pictures to and from overseas bureaus (1983.0308).

Robert A. Podrog: red fiberglass-reinforced plastic chair designed by Verner Panton in 1960 and manufactured by Herman Miller, Inc. in 1971 (1987.0393).

O. L. Polinger: Monroe adding machine (1987.0403).

Poole's Fifth Avenue: belt buckle commemorating the 200th anniversary of the U.S. Constitution (1987.0100).

Lisa S. Popeil for the Popeil Family in memory of Samuel J. Popeil: Popeil "Pocket Fisherman" spin casting outfit (1986.0978).

Zaida Mirzy Potter in memory of Nejib Mirzy: woman's leopard and beaver coat, 1938-46 (1986.0636).

James A. Potts: 54 postage stamps and 2 second day covers commemorating athlete Jim Thorpe, May 25, 1984 (1986.0559).

Pratt Graphics Center, Pratt Institute (through Mel Alexenberg): offset lithograph titled Digitized Homage to Rembrandt: Day Angels made from a computer-generated image by Mel Alexenberg in August 1986 (1987.0021).

William S. Pretzer: 4 buttons condemning Richard Nixon and the Watergate scandal (1985.0173).

Princeton University, Plasma Physics Laboratory (through Harold P. Furth and Lyman Spitzer, Jr.): Model A stellarator, 1952-53 (1984.0103).

John B. Priser: 371 electronic calculators and 9 AC adapters, 1971-86 (1986.0988); 32 electronic pocket calculators (1987.0435).

Pulse Electronics, Inc. (through Emilio A. Fernandez and Jose M. Llosa): Slack Detector System end-of-train device test unit, 1970s, and a Trainlink end-of-train monitoring device, 1985 (1985.0876).

Purdue University, School of Civil Engineering (through Douglas N. Winslow): screw-power materials testing machine made by Riehle Brothers Testing Machine Company of Philadelphia, 1893 (1987.0357); model of Fink truss bridge and a model of a covered bridge (1987.0477).

RCA/David Sarnoff Research Center (through J. Maddocks): 2 laser diodes, a holograph player, holobeam system tape sample, argon laser frame, argon laser tube, and a Weierstrasse sphere (1985.0222); (through Wm. Webster): 3 microprocessors, transistor, and a transistorized ukelele (1984.0120).

RCA Service Company, Government Services (through James J. Cook): Videovoice unit, Videovoice control, pulse unit, FM generator, frame storage module, FM demodulator, and a pulse sampler, all developed about 1970 (1985.0802).

The RAND Corporation: memory plane and gating bay components of the JOHNNIAC computer (1986.0768).

N. Random: 3-D photographic postcard of Jesus praying in the Garden of Gethsemane, made in Japan, ca. 1975 (1986.0070).

J. H. Ratcliffe: 7 photographs taken at Natural Bridge, Virginia, ca. 1920 (1987.0251).

Oliver Read: 95 early phonographs (253422).

James H. Reck: 2 tunnel-lining-bolts from the Hudson & Manhattan Tunnel, 1903, and the third Lincoln Tunnel, 1954 (1987.0211).

Blanche E. Reid: 337 objects from the contents of the Reid Pharmacy in Clifton, Illinois, which closed about 1950 (1984.0351).

Retail, Wholesale and Department Store Union: piece of stationery, button, and a label of the Retail, Wholesale and Department Store Union (1986.0270).

Lillian Rhodes: photoetched print of titled Doors by Mary Trevor (1986.1017).

The Ribbon California (through Audrey A. Keller): 20 ribbon banners used in the August 4, 1985 peace rally held in Washington, D.C. (1986.0006); 18 ribbon banners used in the August 4, 1985 peace rally held in Washington, D.C. (1986.0563).

Margaret van D. Rice: 7 drawing instruments and 4 scales owned by Erasmus D. Leavitt, Jr., 19th century (1977.0460).

Marjorie M. Rice: book of embroidery silk thread made by Moody "Art Silks," late 19th or early 20th century (1986.0678).

Oscar W. Richards. Ph.D.: 222 microscope parts, accessories, and test equipment and 2 microscopes used in Dr. Richards' work at Spencer Lens Company, 1920s-40s (1986.0500).

Jacqueline and John F. Richardson, Jr.: mechanical bear with key in original box made in Geneva, Switzerland, ca. 1900, and a Santa Claus picture puzzle in original box made by McLoughlin Brothers of New York, ca. 1897 (1986.0561).

Countess Graziella Righi-Battaglini: 3 man's waistcoat's, 1770-90, and a silver clothing brush, 1910 (1986.0613).

Carter Rila: field jacket from the U.S. Army and a field jacket from the U.S. Army Air Force (1986.0972).

Ringe Media, Inc.: 2 videotape cassettes titled "Coalition for SDI 'Peace Shield,'" made October 16, 1985 (1986.0312).

Fred E. Ringe, Jr.: 2 pieces of linoleum manufactured by Congoleum-Nairn,



Inc., ca. 1940 (1987.0135).

R. Rinzler: saucer inscribed "Votes For Women" made for people attending a suffrage meeting at Alma Belmont's Marble House in Newport, Rhode Island, 1909 (1986.0604).

Prof. Charles G. Rob, M.D.: surgical stapler made in the Union of Soviet Socialist Republics and used to connect blood vessels, ca. 1956 (1986.0626).

Frances L. and Wilfrid Robbins: red wool cloak with detachable hood and red fox fur trim, worn in the 18th century by members of the Cotton Family (1987.0024).

Edwin K. Robinson: tie pin commemorating the first meeting of the Brotherhood of Railway Trainmen (1986.0968).

Margaret F. Robinson in memory of Col. John H. Robinson, USAF: armchair made of steer horns from Henry H. Robinson's Turtleneck Ranch, Wyoming, 1890s (1986.0989).

Marcel X. Rocca: 15 silver tankas of Aq Qoyunlu Ya' Qub, A.D. 1478-90 (1986.0865).

Beatrice D. Roesler: 11 objects related to Mrs. Roesler's participation in the "Walk for Heart" fund-raising race held in Washington, D.C., 1986 (1986.0775).

R. G. Rolfe: Model A "Paisley Calculator" calculating rule (1987.0183).

Edward Rondthaler: 2 sets of photographic layout dry plates used in an original Rutherford opticon, 1936-38, 2 photo-lettered stock certificates produced 1933-35, and a photomatrix alphabet plate used in 1933 (1987.0540).

Lucy W. Rosenau in memory of Fred S. Rosenau: identification tags and collar insignia for the Office of War Information, WW II (1986.0228).

J. William Rosenthal, M.D.: 18 optical instruments (1986.0929); pair of Chinese spectacles, English spectacle case, and an English monocular, all 19th century (1987.0016); 7 pairs of spectacles, a pair of goggles, and an artificial eye (1987.0244).

George C. Ross: standard street mailbox made by the Danville Stove and Manufacturing Company in 1926 (1986.0759).

Ann Rothberg: Curl Free hair relaxer kit made by the Prom Cosmetics Division of the Gillette Company of Chicago, Illinois, ca. 1970 (1981.1006).

Sol Ruch: washing machine patent model by Bennett C. Bailey of Constitution, Ohio, patented on November 29, 1870 (1987.0040).

E. Arthur Russell: automobile model which won the First National Scholarship Award in the Fisher Body Craftsman's Guild Contest and a wrench for removing or tightening wheel hubs on the model, 1957 (1987.0449).

Helen Winnett Russell: black fur hat and a straw hat with pink silk flowers, 1950-53, and a hatbox, 1942-53 (1986.0745).

SACO Defense Systems, Inc. (through Charles M. Roberts): 30 linked machine gun cartridges and a U.S. M60E3 prototype machine gun (1983.0420).

Virginia H. Sahn: 134 U.S. Air Force and U.S. Army uniform items, insignia, and accessories (1987.0166).

Simone A. Saidman: woman's T-shirt, "Liberty 1886 Centennial 1986" (1986.0750).

Jeanne Saindon: pair of silk and leather high-heeled sandal-type shoes, ca. 1950 (1986.0682).

St. Louis Medical Society (through Harry O. Cole and Gordon R. Garrett): 129 medical instruments (1977.0808).

St. Mary's Hospital (through Sister Juli Hanser and Myron Muckerheide): 2 Model 100 laser handpieces and a discharge tube (1985.0342).

St. Mary's University of San Antonio, Physics Department (through William J.

Hamm, S.M. and Daniel J. White): betatron constructed under the supervision of Donald Kerst at the University of Illinois in 1944, a power source and control cabinet, vacuum chamber, and a broken vacuum chamber (1984.0739).

Robert Salem: tie with "Superman" logo woven into the fabric, 1940-59 (1987.0488).

Dr. Matt T. Salo: sign advertising "Miss Sally, Palm Reader" used at her place of business in Washington, D.C. from 1984 to 1986 (1987.0639).

Frank J. Sargent and John Cameron Swayze: desk plaque with the name "John Cameron Swayze" carved by Frank J. Sargent in 1950 and used by Mr. Swayze on the Camel News Caravan Television Show (1987.0479).

Helen Sargent: 9 uniform items and insignia, 4 letters and papers of discharge, 3 photographs, a calling card, service certificate, and a letter awarding the Victory Medal, all from the U.S. Marine Corps service of Pvt. Helen E. Ostheimer during WW I (1987.0467).

SAS Philatelic Club (through Delmar Nordh): 10 first flight covers of the Scandanavian Airline Systems (1986.0653); (through Niels Sommer): 20 first flight covers of the Scandanavian Airline Systems (1986.0090).

Stephen O. Saxe: Lanston Monotype Machine Company's first stock ledger with entries dating 1892 to 1906 (1986.0692).

Paul Arthur Scheeler: "hand phaser" prop weapon said to have been used in the television series "Star Trek" (1987.0095).

Scheitlin & Borner U.S.A. (through P. Dutton): 30 samples of contemporary tablecloth and napkin fabrics (1985.0418).

Paul L. Schmidt: Indian Chief motorcycle with Princess sidecar manufactured by the Hendee Manufacturing Company of Springfield, Massachusetts in 1923 (1986.0753).

Alan J. M. Schneider: "Teacher in Space" cacheted cover postmarked from Kennedy Space Center on January 28, 1986 (1986.0217).

Harry E. Schoepf: automobile model which won the National Styling Scholarship Award in the Fisher Body Craftsman's Guild Contest, 1961 (1987.0436).

Ted Schofield: cyanotype postcard of the exterior of a house in Carlisle, Kentucky, ca. 1906 (1987.0158).

Albert W. Schreck: 2 money orders, a silver certificate, postal cancelling device used in Naples, Italy, and a V-Mail letter from Mr. Schreck to his wife, all WW II (1987.0547).

June Sakata Scoggins: chest of 6 drawers made in a Japanese-American relocation camp during WW II (1985.0831).

Phillip Seitz: box of 11 glass stereo slides titled "Monuments de Paris" and a box of 11 glass stereo slides titled "Photographies: Chateau De Versailles" (1987.0605).

Selchow and Righter Company (through Richard P. Selchow): "Genus" and "Baby Boomer" editions of "Trivial Pursuit" board game, 1983 (1984.0858).

Ross Sellers: 5 design books from I. Bedichimer & Company of Philadelphia, Pennsylvania, 1893-1925, 2 photograph albums, an order book, jewelry carrying case, and a jewelry case with 41 masonic pins (1986.0502); photographic sample book of jewelry made by I. Bedichimer & Company, 1920s (1986.0916).

Service Employees International Union, AFL-CIO, CLC (through Richard W. Cordtz): sheets of labels, piece of stationery, button, and a sticker of the Service Employees International Union (1986.0363); (through Martin H. Dickenson): 2 videotape cassettes, a leaflet, pamphlet, newspaper, and a folder, all concerning labor and the 1988 presidential candidates (1987.0514); (through Suzanne M. Miller): 6 posters of the Services

Employees International Union (1987.0522).

Alex Shagin: 4 U.S. art medals by Alex Shagin, 1984-86 (1986.0290); 2 bronze medals commemorating Georgia O'Keeffe and Amasis Painter by Alex Shagin, 1986 (1987.0355).

Rose Shain: 21 paintings and drawings of labor strikes and civil rights subjects by Sarah Berman Beach (1987.0132).

James C. Shanks: 15 objects related to rehabilitation after a laryngectomy (1986.0959).

Anne R. Shaw: woman's pheasant feather hat worn by Mrs. Shaw's aunt, Evelyn B. Martin, in the 1950s (1987.0428).

Margery W. Shaw, M.D.: volumes 10 and 11 of the Henry A. Meyer collection containing 128 Napoleonic and French Revolution covers and documents (1985.0026); volumes 12, 13, and 14 of the Henry A. Meyer collection containing 293 Napoleonic and French Revolution covers and documents (1986.0025).

Mary Shaw and Charletta J. Woodward: "Dana" poseable doll from the "Barbie" series by Mattel, Inc., 1986 (1986.0719).

David H. Shayt: white plastic pocket slide rule used to compute dividend rates, current yields, and market selling prices for bonds, ca. 1960 (1987.0409).

Robert E. Sheldon: patented Jew's harp with aluminum amplifying horn, early 20th century (1986.0375).

Shugart Associates (through J. S. Campbell): Shugart SA900 computer floppy disk drive made in 1973 (1980.0612).

Sam Silverman: 4 photographs of Adlai E. Stevenson, Jaqueline Kennedy, John F. Kennedy, and Lyndon B. Johnson taken on December 6, 1962 (1986.0518).

Frances L. Simmons: 2 cotton quilt sections, ca. 1922, and a printed cotton poster titled Forest Fires, ca. 1900 (1987.0278).

Roger Simpson and Bob Williams: commemorative silver coin encased in plastic, "1984 Republican National Convention" (1986.0394).

George W. Sims: 2 sets of vest studs, a set of cuff buttons, pair of cuff links, collar stud, and a jewelry box, all 1920-50, and a gold-headed cane, 1895 (1986.0487).

The Singer Company (through Thomas W. David and R. C. Hauf): 6 sewing machines, 5 model sewing machines, 2 prototype sewing machines, an experimental sewing machine, and a film of sewing machine cabinet making, 1850-1978 (1985.0584); Diehl Manufacturing Company electric motor fan, ca. 1885 (1985.0593).

Nathan Singer: box of Poudre de Riz white face powder made by Vogue Parfumery of New York, ca. 1920 (1981.0377).

Bounsouk and Lay Sivilay: 6 musical instruments, 4 rice baskets and winnowers, a fish trap, cotton gin model, pot holder, spoon, carabao bell, and a ritual staff, made and used by Kmhmu-Americans Lay Sivilay and his son, Bounsouk (1985.0570).

Adele and Lewis Smith: 10 Stevengraph portraits and a Stevengraph postcard of Coventry, all made of Jacquard-woven silk in paper mounts (1987.0114).

Mrs. Beatrice F. Smith: 2 banners from The Ribbon Peace Rally held on August 4, 1985 in Washington, D.C. (1986.0379).

C. Charles and Veronica Smith: D-cylinder copper-plate printing press made by the Kelton Machine Company of Brooklyn, New York in 1895 (1984.0698).

Mrs. Hugh F. Smith: obverse die and 2-piece broken reverse die for striking a Washington half-dollar, dated 1792 (1986.0868).

Marguerite C. Rawdon Smith: first aid kit and pouch, canvas leggings, lanyard pistol, pistol belt, and an officer's coat, WW I and WW II eras



A. Richard Stirni: U.S. Army Air Force flying suit and a U.S. Navy helmet (1986.0209).

Gregory Stolow: 24,701 postage stamps, 748 covers, 74 postal cards, and 1,902 miscellaneous philatelic material (1981.0369).

H. W. Stone: 5 shoulder patches, 2 jackets, and a raincoat worn by Mr. Stone while a letter carrier in the Miami, Florida area, 1960s (1986.0651).

Lois Greene Stone: 3 buttons and a set of 6 glass beads and a set of 2 mother-of-pearl buttons in floral and animal shapes, all 1930-55 (1986.0199); 13 cards of buttons made by various manufacturers and a set of 4 mother-of-pearl horse buttons made by the B. Blumenthal and Company button manufacturers, all made before 1954 (1986.0299); woman's rhinestone necklace and bracelet set, a necklace of "pop-it" beads, and 2 woman's bracelets, 1940-60 (1986.0697); lucite handbag purchased by Ms. Stone in Miami Beach in 1956 (1986.0703); clear plastic pin in the shape of a horse's head worn by Ms. Stone during the 1940s (1986.0704).

Kurt G. Strauss: 19 medals and insignia worn by Jacques Strauss while a Master Chief Petty Officer in the Austro-Hungarian Navy, 1900-18 (1987.0230).

Clay T. Strickland: 10 tobacco sticks, 4 tobacco grading sticks, a looping horse, and a chopping hoe (1986.0797).

Jeremiah J. Sullivan: 4 police, fire department, and ranger badges (1987.0204).

Suncor Incorporated, Oil Sands Division (through E. R. G. Moore): 6 tar sand specimens and a holding tray (1981.0336).

David M. Sundman: 197 approval booklets and cards, philatelic mounting devices, measuring gauges, and miscellaneous papers used by stamp collectors and dealers and 6 philatelic covers from various stamp dealers (1987.0198); \$1.00 Rush Lamp and Candle stamp with invert error, issued by the U.S. Postal Service in 1979 (1987.0145); empty stamp album, "The Heritage Collection, United States Commemorative Stamps 1935-1984," made by the Mystic Stamp Company, 1985 (1987.0217).

Dr. James M. Swain: 35 Western flutes, 18th-19th centuries (1985.0016).

Curtis D. Swan: original drawing for Superman comic (1987.0462).

Swarthmore College, Department of Engineering (through Prof. Nelson A. Macken): surveyor's transit made by C. L. Berger & Sons of Boston, ca. 1896, a transit case made by Queen & Company of Philadelphia, and an unmarked tripod (1986.0668); Sproul Observatory (through John E. Gaustad): 2 photographs of C. A. Robert Lunden and a transit circle (1986.0667); calculating machine distributed by Reuter (1986.0684).

Government of Sweden, Postens Frimarksavdelning (through Sirkka Lentinen): 505 mint stamps, 35 first day covers, 24 maximum cards, 8 aerogrammes, and 6 souvenir booklets of Sweden (1986.0122); 265 mint stamps, 30 maximum cards, 28 first day covers, and 5 souvenir sheets of Sweden (1985.0702).

James W. Symington: model of the steamboat Charlotte Dundas built in 1965 by Robert I. Innes after the original steamboat built by William Symington of Scotland in 1801 (1987.0042).

Jay Tabari: nurse's cap handmade of linen with a drawn work border and a mother of pearl button at the neck (1986.0732).

Ellenor Tallmudge: Northwind electric fan, ca. 1915 (1986.0981).

Masako Tanaka: wooden chest made in Manzanar Relocation Camp and painted by Mrs. Tanaka with Pennsylvania Dutch motifs, WW II (1985.0829).

Gerd Tangeman: manipulator for the "Double-Check" cash fare receipt used in issuing train tickets, invented and patented by Charles O. Tangeman of Fern Bank, Ohio on August 4, 1896 (1987.0053).

Ruth McVitty Taquery: woman's 2-piece black dress, 1903-6 (1986.0474).

Paul M. Taylor: 23 Indonesian banknotes, 5 Indonesian coins, an Indonesian

currency announcement broadside, and a medal and medalet of the Supreme Patriarch of Thailand (1986.1036).

Nell P. and William F. Tearman: first day cover commemorating the Second Annual Frankfort, Indiana, Air Show held June 7, 1987 (1987.0495).

Eleanor Lee Templeton: oil portrait of Fleet Surgeon Bailey Washington III by an unknown artist, 1820s (1987.0164).

Texas Instruments Incorporated (through Herman L. Pope, Jr. and Bob Wilkins): "Silent 700" portable electronic data terminal (1987.0186).

The University of Texas, McDonald Observatory (through Dr. Harlan J. Smith): 2 photomultiplier tubes, Korad laser with ruby rod, and a Varian computer used for lunar survey, 1969-85 (1985.0752).

Textile Processors, Service Trades, Health Care, Professional and Technical Employees International Union (through Frank A. Scalish): piece of letterhead stationery, label, and a newsletter of the Textile Processors, Service Trades, Health Care, Professional and Technical Employees International Union (1986.0359).

Pauline Thomas: fragment of fused glass, concrete, and metal found near Ground Zero at the atomic blast site at Hiroshima, Japan in 1947 (1986.0097).

V. L. Thompson: 6 uniform items of Woodmen of the World and the Knights of Pythias, 1895-1910 (1986.0606).

Vicki L. Thorn: 355 political message buttons (1986.0666); 162 pinback buttons with slogans relating to sports, entertainment, fraternal organizations, education, and other community activities (1986.0773).

Caroline C. Thorpe: copy of an editorial from the Woman's Home Companion of April 1921 and an issue of The Woman Citizen dated September 10, 1921 (1987.0268).

Marilee Tillstrom: pair of girl's OshKosh overalls embroidered with animal designs, 1975 (1986.0944).

Jeffrey W. Tinsley: cotton T-shirt from the "Walk For Hunger" fund-raising campaign (1986.0774).

Paul A. Tolovi: Civil Defense Radioactivity Detection Kit, including 2 radiological survey meters, 2 dosimeters, and a dosimeter charger (1986.0018); U.S. reimpregnation kit (1986.0208).

Mary Trevor: 2 working proofs, 2 positives, a negative, plate for Doors and a working proof for Doors II, illustrating the photoetching process (1986.1015).

George M. and Shirley A. Trotter: Osborne I microcomputer and monitor, 1981 (1986.0683).

Marion A. Trozzolo: "Happy Pan," the first Teflon-coated cooking pan produced, made by the LPF Plastics Corporation of Kansas City, Missouri in 1961 (1986.1005).

Robert A. Truax: folded letter dated June 1853, postcard of "The Mason, R.F.D." dated February 11, 1907, and a postcard of an "Auto Car in Mail Service" dated July 21, 1909 (1986.1026); 2 programs commemorating the laying of the cornerstone and the dedication of the Seventh Post Office Department Headquarters Building, 1932 and 1934 (1987.0088).

Mary Tsuruko Tsukamoto: woven suitcase painted green, ca. 1940 (1985.0830).

Government of the Turkish Republic of Northern Cyprus, Directorate of the Postal Department: 13 mint stamps and 8 first day covers of the Turkish Republic of Northern Cyprus (1985.0594); 16 mint stamps, 12 first day covers, and a souvenir sheet of the Turkish Republic of Northern Cyprus (1986.0670); (through Aysel N. Erduran): 11 stamps and 5 first day covers of the Turkish Republic of Northern Cyprus (1985.0023).

Turner Entertainment Co. (through Haldon R. Harrison): original screenwriter's

copy of the first script for The Wizard of Oz, written and annotated by Noel Langley, 1938 (1987.0395).

Mrs. Joe Turner: 4 phonograph records and 2 cassette tapes of recordings by "Big Joe" Turner (1986.0425).

Government of the United Arab Emirates, General Post Office, Philatelic Section: 4 mint postage stamps of the United Arab Emirates (1985.0785); 12 mint postage stamps of the United Arab Emirates (1986.0218).

United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada (through Charles J. Habig and H. Allyn Parmenter): 4 labels, 2 patches, 2 year buttons, 2 stickers, a tie bar, banner, cuff links, decal, tie tac, envelope, sheet of stationery, booklet, and a book, all relating to the United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry (1986.0427).

United Auto Workers (through Peter G. Laarman): 2 videotape cassettes on "Trade and the Future of America" and a news brochure (1987.0189).

United Brotherhood of Carpenters and Joiners of America (through Roger A. Sheldon): membership campaign card in case, membership card, dues book, patch, decal, envelope, booklet, piece of letterhead, and a sheet of union logos of the United Brotherhood of Carpenters and Joiners of America (1986.0854); ribbon of the Cripple Creek Miners Union Number 40 (1987.0525).

United Family Awareness, Air Line Pilots Association (through John E. LeRoy): 8 buttons, 3 posters, 3 handouts, 2 cassette tapes, 2 information kits, a sticker, and a booklet from the United Pilots Strike, 1985 (1985.0906).

United Food and Commercial Workers, Local 1986 (through Fred W. Tittle): piece of stationery and a lapel pin of the United Food Handlers Union (1986.0269).

United Furniture Workers of America, AFL-CIO, CLC, International Office: piece of stationery with a decal of the United Furniture Workers of America (1986.0330).

United Garment Workers of America (through William O'Donnell): piece of stationery, button, and a label of the United Garment Workers of America (1986.0539).

United Nations Postal Administration: 348 postage stamps of the United Nations (1986.0256); 648 mint stamps and 14 souvenir sheets of the United Nations (1986.0649).

United Paperworkers International Union, AFL-CIO, CLC, International Headquarters: 2 union label cards, 2 pieces of stationery, 2 stickers, and 2 buttons of the United Paperworkers International Union (1986.0337).

U.S. Department of Agriculture, Forest Service (through Walter E. Furen): 18-piece laser range pole system (1986.0499).

U.S. Department of Commerce, National Bureau of Standards: 11 components of the SWAC computer (1983.0208); (through John P. Tinker): Cuthill soft x-ray spectrometer with spare components (1981.0438).

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Geodetic Survey (through Marvin Waggy): 36 scientific instruments (1986.0395).

U.S. Department of Defense, Defense Mapping Agency, Hydrographic/Topographic Center (through Col. Peter G. O'Neill): copper engraving plate, British Isles North Sea (1987.0125); Department of the Air Force (through Herbert H. Bell): U.S. AR-15 Armalite rifle (1982.0514); Air Force Museum (through Gwendolyn M. King): phaser trigger switch (1985.0351); Headquarters Rome Air Development Center (through Anthony J. Feduccia and



Frank Mollura): 4 thermoelectric generators, control panel cabinet, and skid base mount (1982.0260); Department of the Army, Anniston Army Depot: 4 machine guns, 2 rifles, 2 pistols, and a grenade launcher (1983.0410); Combat Systems Test Activity (through Cecil E. Martin, Jr. and Robert C. Schnell): 20 U.S. Howitzer cartridges, 6 U.S. Howitzer cartridge cases, and a training cartridge (1986.0396); Fort Carson Frontier Museum (through Barbara Springer): 10 firearms (1986.0525); Fort Carson Museum of the Army of the West (through Barbara Springer): 11 reproductions of U.S. and Viet Cong flags, an original U.S. 49-star flag, and a tunic of a Japanese navy cadet pilot (1986.0787); The Institute of Heraldry (through Opal V. Landrum): 29 U.S. distinctive unit crest insignia (1986.0886); 48 U.S. distinctive insignia (1987.0373); (through Col. Gerald T. Luchino): Multinational Force and Observers Medal with case (1986.0915); Operations Command (through William J. Stephens): Russian and English language teletypewriters and a type ECTRRMII cryptographic equipment used for international communication (1983.0232); The Pentagon (through Raymond A. Bell): 17 pieces of equipment comprising the Washington-Moscow Direct Communications Link (1986.0520); U.S. Army Center for Military History, Fort George G. Meade Museum (through James A. Speraw, Jr.): 8 firearms (1986.1001); U.S. Army Quartermaster Museum (through Horace Mann): 175 experimental uniforms including prototypes and issue standards, 95 pieces of insignia, and a swatch book of uniform clothing samples (318026); U.S. Military Academy (through Lloyd A. Buchalter): steam-heating system convector, ca. 1899 (1986.0211); Women's Army Corps Museum (through Elizabeth J. Avery): 3 booklets, a leaflet, and a pamphlet on the history of the Women's Army Corps (1986.0962); Department of the Navy, Naval Air Reserve Center Denver, Buckley Air National Guard Base (through L. W. Perry): U.S. Navy service dress blue uniform cap and necktie and a yearbook of the Naval Air Technical Training Center at Norman, Oklahoma, 1945, all used by Lt. (jg.) Leone C. Bradbury (1986.0658); Naval Research Laboratory (through Capt. E. L. Ebbert) first production prototype of Varian Associates Model H-10 atomic hydrogen maser (1981.0276); U.S. Marine Corps, Headquarters, Office of the Commandant: 14 battle streamers (1985.0884); U.S. Naval Submarine Library and Museum (through Mr. Hackett and Wallace W. Wilhelm): 3 pieces of British Mark VII submarine escape equipment and a Steinke hood escape appliance with 4 accessories (1980.0852).

- U.S. Department of Energy (through Don R. Sloan): set of 7 modules and an explanatory panel of a 1/24 scale engineering model of the Clinch River Breeder Nuclear Reactor Plant, ca. 1982 (1986.0392).
- U.S. Department of the Interior, U.S. Fish and Wildlife Service (through Peter A. Anastasi): pane of 30 stamps and the die proof for the 1986-87 season of Migratory Bird Hunting and Conservation federal revenue stamps (1986.0742); (through Norma Opgrand): uncut sheet of 120 Migratory Bird Hunting and Conservation federal revenue stamps for the 1987-88 season, autographed around the edges by people responsible for its production (1987.0486).
- U.S. Department of Justice, Drug Enforcement Administration, Dallas Field Division (through M. J. Sibice): 21 mint postage stamps (1986.0612); Federal Bureau of Investigation (through Jan W. Brown): 15 pieces of U.S. paper currency, 1875-1918 (1985.0675).
- U.S. Department of the Treasury, Bureau of Alcohol, Tobacco and Firearms (through L. E. Dallas): U.S. Marlin rifle, Austrian Mannlicher Schonauer rifle, and a German MG34 machine gun (1982.0515); (through Sherman P.

- Route): 11 U.S. and foreign small firearms (1986.0608); ATF Evidence Vault (through Sherman P. Route): U.S. Marlin rifle (1987.0764); Federal Law Enforcement Training Center (through Louise Beachler): Japanese light machine gun and a Belgian assault rifle (1986.0515); Financial Management Service (through Thomas Gilliland): U.S. Treasury check for \$1.00 encased in lucite and payable to Robert McC. Adams, Secretary of the Smithsonian Institution (1986.0182); U.S. Mint (through Donna Pope): 4 bronze medals from the U.S. National Historical Series (1986.0291); 4 gold bullion coins and a silver bullion coin issued by the U.S. Mint in 1986 (1987.0476); U.S. Secret Service (through Richard T. Race): 15 firearms (1986.0493).
- U.S. Executive Branch, Office of the Vice President (through Mary Ann Fronce): 172 stamps and 25 souvenir sheets of Hungary contained in a commemorative album presented to Vice President George Bush by Jozsef Marjai, Deputy Chairman of the Council of Ministers of Hungary in May 1982 (1987.0089).
- U.S. General Services Administration, Federal Property Resources Services, DPUP: 26 wrist watches and a pocket watch, all reflecting state of the art in watch manufacturing of the 1970s (1982.0058).
- U.S. Legislative Branch, Library of Congress, Exchange and Gift Division (through Elena Zahirpour): infant's dress and a boy's dress, 1829-35 (1986.0582); Manuscript Division (through James H. Hutson): 1,245 philatelic covers, 3 postal cards, 2 stamps, a souvenir program, and a money order receipt (1984.0422); 656 philatelic covers, 184 stamps, 7 cut corners, 4 unused cachets, 3 meter strips, and 2 postal cards (1985.0699); 536 folded letters, 482 postage stamps, 266 covers, and 2 stamped envelopes (1987.0096).
- U.S. National Aeronautics and Space Administration, Jet Propulsion Laboratory (through J. B. Jesus): Varian Associates pre-production model and production Model V-4700A rubidium-vapor frequency standards and a power supply (1980.0511); Lyndon B. Johnson Space Center (through Elsie M. Easley, Mike Puryear, and Dorothy Starnes): life-support space suit with air hose and a mobile bio-isolation system equipment pushcart used to protect David, the "Bubble Boy," born with severe combined immune deficiency syndrome, whenever he left his bubble-like isolation chamber, ca. 1984 (1986.0450).
- U.S. Office of Personnel Management, Alexandria Distribution Center (through David P. Funsten): 3 helmets, a gas mask with identifying tag, and a tin of biscuits produced for the Civil Defense Agency, early 1970s (1987.0191); Purchase, Policy, and Property Section (through Wade Burger): 26 hardware components of a UNIVAC 9400 computer, 1960s (1987.0465).
- U.S. Postal Service (through C. R. Clauson): 2 Thompson submachine guns (1986.0698); (through Preston R. Tisch): framed hand-printed plate proof of the AMERIPEX '86 stamp (1987.0172); Customer Services Department, Stamp Management Branch, Stamps Division (through James R. Williams): 710 postage stamps, 183 souvenir pages, 36 commemorative panels, 16 covers, 16 souvenir programs, and 3 postal cards (1985.0553); District of Columbia City Post Office, Collections and Delivery Services (through Francis T. Brisco): blue waterproof canvas mailbag (1986.0754); International Postal Affairs Department (through Peter Van Dernoort): 3,221 postage stamps and 252 souvenir sheets of the Universal Postal Union nations, 1983-84 (1984.0602); International Relations Branch (through Michael J. Regan): 21,514 postage stamps, 1,326 souvenir sheets, 3 labels, and a die proof, all of Universal Postal Union nations, 1978-82



(1983.0147); 3,066 postage stamps and 184 souvenir sheets of the Universal Postal Union nations, April-September 1984 (1985.0021); 2,270 postage stamps and 181 souvenir sheets of Universal Postal Union nations, October 1984 to January 1985 (1985.0263); 1,139 mint stamps and 60 souvenir sheets of the People's Republic of China and 220 mint stamps and 20 souvenir sheets of Austria (1985.0554); 3,622 postage stamps and 271 souvenir sheets of the Universal Postal Union nations, February to July 1985 (1985.0796); 640 mint stamps, 54 die proofs, and 20 souvenir sheets of Austria, Japan, South Africa, and Togo (1986.0301); 2,210 postage stamps and 140 souvenir sheets of Universal Postal Union nations, August to November 1985 (1986.0302); Marketing Department, Stamps Management Branch, Stamps Division (through Francis J. Janeczek and Don McDowell): 8,279 stamps, 93 souvenir pages, 42 stamped envelopes, 33 postal cards, 30 souvenir cards, 24 commemorative panels, 13 covers, 13 souvenir programs, 7 cylinder proofs, and 6 letter sheets of the U.S. (1986.0669); (through Don McDowell): 617 stamps, 30 commemorative panels, 20 covers, 14 souvenir programs, 12 postal cards, 4 souvenir sheets, and 3 aerogrammes (1986.0110); 793 commemorative stamps, 21 first day covers, 21 commemorative panels, 19 souvenir programs, 12 postal cards, and a souvenir card (1987.0134).

United States Lines, Inc. (through Kevin C. O'Rourke): model of the containership American New York, 1982 (1986.0326).

United Steelworkers of America, AFL-CIO, CLC (through Gary Hubbard): poster commemorating the 50th anniversary of the United Steel Workers of America (1987.0384).

United Transportation Union (through Donald R. Carver and Fred A. Hardin): 2 pieces of stationery with the logo of the Railroad Yardmasters of America (1986.0292).

Unknown: 22 U.S. and foreign banknotes (1986.0470); woman's 3-piece dress, 1905-15 (1986.0551); pair of woman's shoes, 1830-50 (1986.0552); 1-pfenning piece of the Democratic Republic of Germany, 1968 (1986.0629); Canadian 5-cent piece, 1983 (1986.0708); copper-nickle Swiss franc coin, 1981 (1986.0843); 5 transportation tokens, 1919-22, a medal commemorating Thomas Edison and electric light, 1929, and a medal commemorating the 100th anniversary of Sears & Roebuck and refurbishment of the Statue of Liberty, 1986 (1986.0869); corn sheller and a corn cracker (1987.0224); 2 woman's floral print dresses, 1942 (1987.0240); button, "Be Union/District 65 U.A.W." (1987.0397).

UOP Inc. (through V. Dean Freese): circular protractor (1986.0662).

Chantal and Jan Vagassky: 14 Greek coins, 5th-4th century B.C. (1985.0937).

G. M. Vause: postal card mailed from Wilberforce, Ohio to Otley, Yorkshire, England on August 28, 1900 with 2-cents overseas postage (1987.0146).

Vermont Federal Savings & Loan (through Dorothy J. Sampugna): 3 adding machines and ribbons (1987.0285); electronic desk calculator manufactured by the National Cash Register Company (1987.0339).

Victor Comptometer Corporation (through A. C. Buehler, Jr.): McCaskey credit register, 1893 (1977.0174).

Victory Drugstore (through Ann Failla): 4 pairs of woman's hosiery, 4 containers of face powder and make-up, box of dinner napkins and a box of facial tissue by Doeskin, bottle of Victory cough balsam, tin of Zip crystals, Schieffelin moth crystals, Camel tire repair kit, and a Bugler cigarette rolling machine with tobacco (1982.0055).

Visiting Nurse Association of Boston Foundation (through Eileen M. Freitag) 4-piece visiting nurse's uniform consisting of a dress, apron, tie, and



bonnet in the original late 19th-century style (1986.0496).

Jeffrey T. Vogel: 15 pieces of Commodore VIC-20 computer hardware with 44 pieces of software, ca. 1979 (1987.0249).

Robert M. Vogel: advertising wood plate of "Colbert's Envelope Manufactory and Printing Office, Philadelphia" from Colton's Atlas of America, ca. 1856 (1987.0075).

Rose C. Vogel: pair of off-white cotton gloves worn by Mrs. Vogel, 1940-55 (1987.0498).

Maria von Matthiessen: collection of 6 black and white photographs titled "The Narcissism of Youth," black and white portrait of Harriet Levine, and a black and white self-portrait, all by Ms. von Matthiessen (1986.0902); 7 black and white portrait photographs by Ms. von Matthiessen (1987.0205).

L. W. Vosloh: brick of East Asian tea used as monetary exchange, 19th-20th centuries (1986.1046).

Comdr. Richard D. Waer, USN: silver Boehm-system flute made by T. Berteling and Company of New York with its original case, early 20th century (1987.0133).

Charles L. Wagandt: collection of 190 fabric sample and weaving layout books from W. & J. Dickey & Sons, Oella, Maryland, 1919-72 (1980.0877); collection of 297 documents relating to the administration of the Union Manufacturing Company, Oella, Maryland, 1916-64 (1982.0129).

Charlotte A. and Homer L. Walkup: American Model 4 adding machine used by Mr. Walkup's father and an Allen Wales Model E adding machine used by David D. Lloyd (1986.0894).

Dorothy M. Wallace: black net and lace gown, early 20th century, and a silk and lace petticoat, late 19th century (1986.0438); fragment of an embroidered gold satin ball gown and a fragment of printed silk and cotton fabric (1986.0679).

Susan N. Wallace: 3 blackout window shades made by Clopay Corporation of Cincinnati, Ohio, 1940-45 (1986.0963).

Janet Wallach: pair of woman's black patent leather pumps with black ribbon bows, 1976 (1986.0942).

Joseph L. Walsh: political cartoon by C. K. Berryman dated June 25, 1938 (1987.0063).

Gladys M. Warfield in the name of Thomas Owings Warfield: photographic self-portrait by Edward Steichen (1986.0472).

Senator John W. Warner: round wood and leather ski pole base, 1902-11, found in Antarctica near the site of Capt. Robert F. Scott's base camp in 1973 (1986.0627).

Carol L. and Robert D. Warrington: "Eagle in Canton" 31-star flag (1985.0739).

Teru Watanabe in memory of Tomoichi Watanabe: 5 military medals, 3 military citations, 2 Red Cross Society of Japan citations, and 2 Red Cross Society of Japan scarves, all awarded to Tomoichi Watanabe for his service in the Russo-Japanese War, 1904-05 (1986.0914).

C. Malcolm Watkins: lidded carved oak box with iron corners, hinges, and lock, probably made in Finland, 1750-1800 (1986.0043); in memory of Lura Woodside Watkins: grand piano, style M, made by Steinway and Sons, New York, 1936 (1985.0935).

George H. Watson: grain shovel (1986.0686).

William S. Webb: medal depicting the heads and names of 39 Presidents and the Presidential Seal made by the Empire Mint, 1981 (1986.0746).

Harris and Rosa Weinstein: pair of size 8 shoe stretchers, 1900-49 (1986.0940).

Westinghouse Electric Corporation, Research and Development Center (through John K. Hulm): de-ion circuit breaker, laboratory model of an ignitron

electron tube, and a cut away model of an ignitron electron tube (1980.0743).

The White House (through John E. Hilboldt): plaque given to Robert C. McFarlane of the National Security Council by Eduard Shevardnadze, Minister of Foreign Affairs of the U.S.S.R. in 1985 (1986.0778).

Carolyn Scott White and Michael G. White: pair of man's off-white socks with the word VOTE and a donkey design covering them, made by Mayor Mills of Tarboro, North Carolina for the 1968 Governor's election, which was won by Robert W. Scott (1986.0586).

James J. White III: 71 phonograph records (1986.0642).

Roger B. White: 63 bumper stickers, handouts, pamphlets and documents, a pennant, and a T-shirt, all related to various presidential election campaigns of the 1960s and 1970s (1984.1015); salesman's sample book of The Life and Public Services of James G. Blaine... and Biography of Gen. John A. Logan..., 1884 (1986.0252).

Florence S. and Gladys M. Whitehead: cast iron combination tool patented by Nathan S. Clement of New Britain, Connecticut on March 19, 1867 (1985.0927).

J. W. A. Whitehorne: U.S. Army uniform items including a field cap, windbreaker, raincoat, Allied Forces utility shirt, and a field jacket (1986.0129).

Stanley E. Whiting: 35 phonograph records (1986.0771).

Harry E. Whitman: automobile model which won the First National Award in the Fisher Body Craftsman's Guild Contest, white beret given to the National winner, blue beret given to the state or regional winner, and a scholarship certificate, 1948 (1987.0049).

Leon A. Whitney II: 2 WW II posters, "SPARS, Coast Guard" and "Semper Fidelis, 168th Anniversary" (1985.0765); 13 WW II posters (1985.0776).

Estate of Richard A. Whitney (through Leon A. Whitney II): WW I poster, "Americans All" Honor Roll (1985.0775).

Ann Watt Wiechmann: woman's cape, 1918-20 (1986.0516).

Joan W. Wiefelspuetz in memory of M. Lee White: 2 pieces of embroidered silk net, early 19th century, 2 pieces of silk tulle, late 19th century, a linen bobbin lace, 17th century, and a fancy white braid, 20th century (1986.0712).

Charles M. Williams: 151 "Bryan Dollar" tokens used in the 1896 and 1900 presidential campaigns of William Jennings Bryan, a part of a die used to strike some of the tokens, and a catalogue by Farran Zerbe (1983.0715).

Grover C. and Josephine B. Williams: silver fork and spoon of French Colonial design, used in Louisiana, 1815-44 (1987.0560).

Dr. Michael R. Williams: 2 magnetic core memories from a Honeywell computer, 2 magnetic core memories from an IBM computer, a magnetic core memory from a GE 115 computer, plug-in unit from a UNIVAC computer, and an integrated circuit memory board from a Burroughs computer (1987.0466).

Swanee K. Wilson, RN, NAACOG in honor of Ervin E. Nichols, MD, ACOG: 8 models of the uterus showing different stages of pregnancy, a cranioclast, and a chain decapitator (1986.0478).

The Winchester-Thurston School (through Frances G. Hein): Keuffel & Esser classroom demonstration slide rule (1987.0137).

Osborne K. Winslow: 639 photographs, negatives, and color progressives, 140 tools and chemicals, a film about photoengraving, and a copper plate, all related to the career of Mr. Winslow as a photograver for magazines, 1920-70 (1986.0829).

Mrs. Ann Winter: 10 steel engraved prints of presidents of the United States (1987.0242).

Richard Winters: 26 Ku Klux Klan artifacts of the 1960s (1986.0665).

University of Wisconsin, School of Pharmacy (through Prof. Glenn Sonnedecker): set of 7 apothecary coin weights manufactured by Henry Troemer in Philadelphia, Pennsylvania, ca. 1920 (1982.0275).

Michael L. Wolfe: pair of cavalry presentation spurs made by Tiffany & Company in 1863 (1987.0234).

Fay Shien Wong: 5-piece uncirculated U.S. coin set, 1982 (1986.0901).

John S. Wood, Jr.: U.S. Army lieutenant's 3-piece evening dress uniform and a pair of shoulder knots worn by John S. Wood, 1912 (1986.0144).

The Rev. David S. Woodworth: portable 2-burner gasoline stove which folds into a carrying case, manufactured by the Coleman Lamp Company and patented in 1924 (1987.0354).

William E. Worthington, Jr.: 3-piece hollow-wire gasoline lighting system made by Knight Light Company of Chicago, ca. 1920 (1987.0202).

Helena E. Wright: drypoint print dated 1977 (1986.0413); photomechanical lithographic print after M. D. H. Keene and a frame (1987.0082); 3 woodcut prints by Lynd Ward (1987.0083); pamphlet, "An Introduction to Carrageenan and Watercolor Marbling" by Paul Maurer and Diane Philippoff Maurer (1987.0126).

Eileen O'Connor Wulf: letter with envelope dated July 31, 1927 written to T. V. O'Connor, Chairman of the U.S. Shipping Board, from David A. Burke aboard the S.S. Leviathan, regarding the institution of ship-to-shore mail and a photograph of the ship dated August 1, 1927 (1987.0102).

Mrs. George A. Wyeth: woman's ivory and silk fan with gold lace and sequins in its original box, made in France, 1850-74 (1987.0442).

Gary D. Yanker: 112 political and social issue posters and 3 "Famous Dates in History" book covers, early 1970s (1986.1035).

Frank M. Yasechko: paratrooper arm band worn by Mr. Yasechko during WW II (1986.0324).

Arthur K. Yellin in memory of his father, Philip Yellin: test indicator patented by Henry Koch on July 17, 1906 (1987.0047).

W. T. Ylvisaker: silver polo trophy won by Mr. Ylvisaker at the last East-West series held at the Meadowbrook Club of Westbury, New York, 1951 (1986.0595).

William E. Young in memory of Frank L. Dumont: single-cylinder marine engine made by the Lockwood-Ash Motor Company of Jackson, Michigan, ca. 1916 (1987.0554).

Henry Zack: baker's lamp (1987.0225).

Hope F. T. Zarensky: pair of Reconstruction Aide collar insignia, 1919 (1986.0283).

David E. Zeitlin: ceramic teapot and cover with a hand-painted black and red scene of a seated woman inscribed "Solitude is my Choice," ca. 1770, and a ceramic female figure of "Hope," 1790-1810 (1986.1002).

Zenith Electronics Corporation (through John I. Taylor): collection of 49 cathode x-ray tubes, radio tubes, lenses, and related equipment (1985.0556).

Ferne A. Zetty: 29 phonograph records (1986.0624).

Anne B. Zill: 2 puppet posters, a mime troupe poster, and a 1980s Olympics poster (1986.0273).

Rosemary E. Zimmer in memory of Charles C. Zimmer: 14 Railway Express Agency pins, 2 Air Express pins, an American Express pin, Brotherhood of American Railway Express Employees union pin, and a Wells Fargo pin (1987.0584).

Robert E. Zumwalt: percussion sporting rifle, leather bullet pouch, bullet mold, box of percussion caps, and a powder horn, 1832-1915 (1986.0591).



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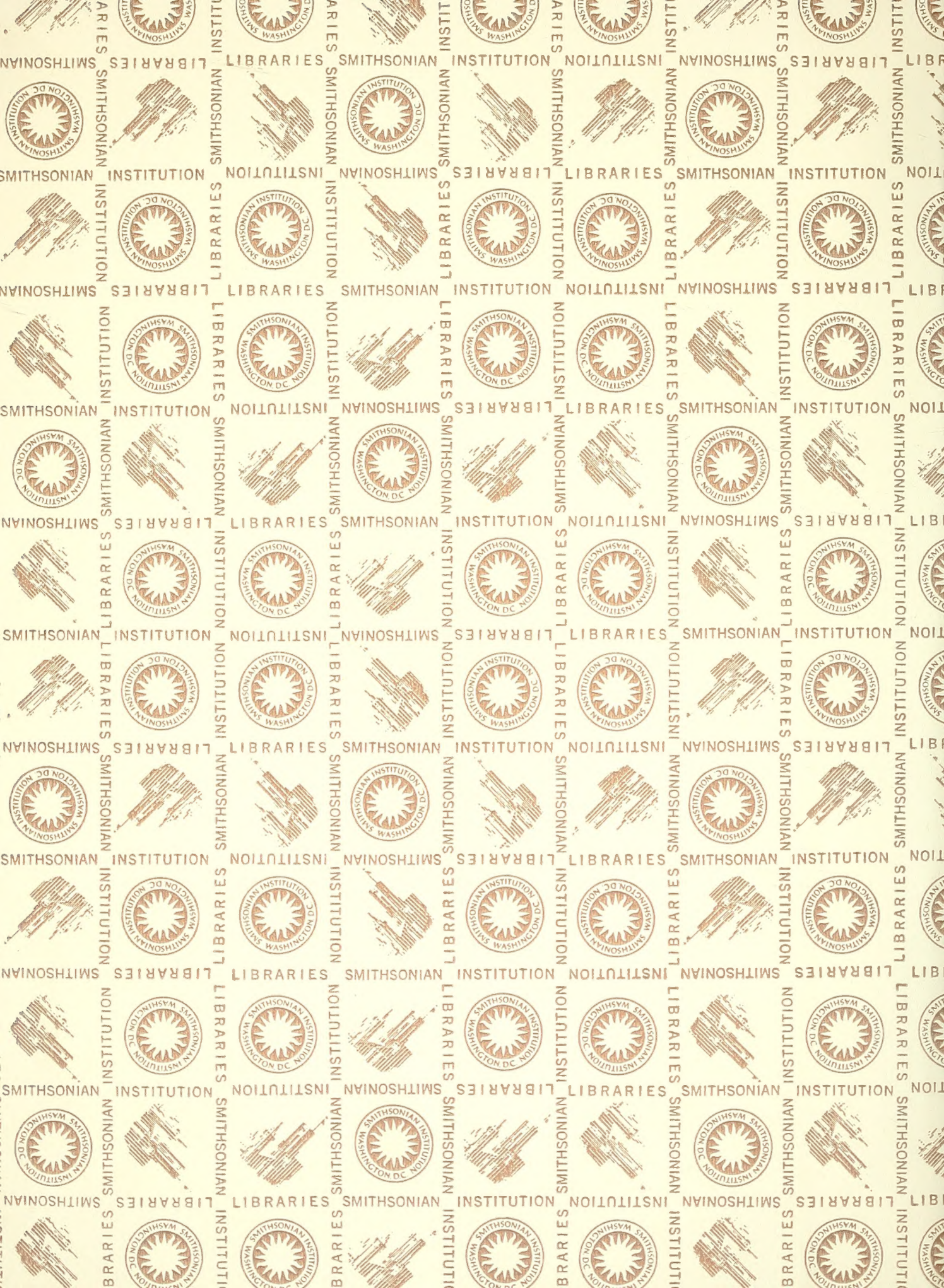




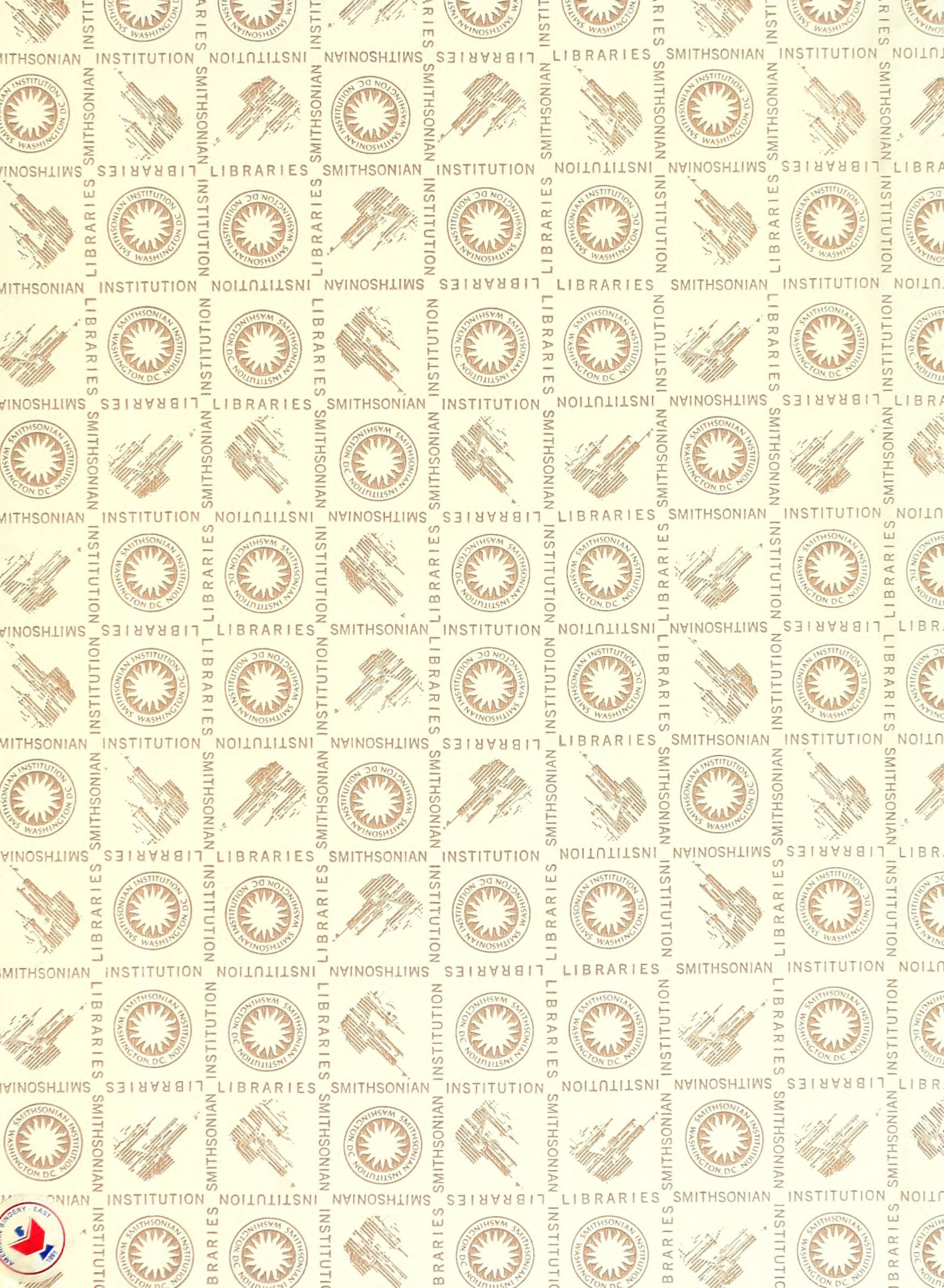














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