

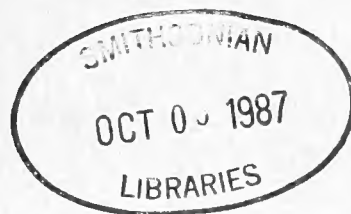


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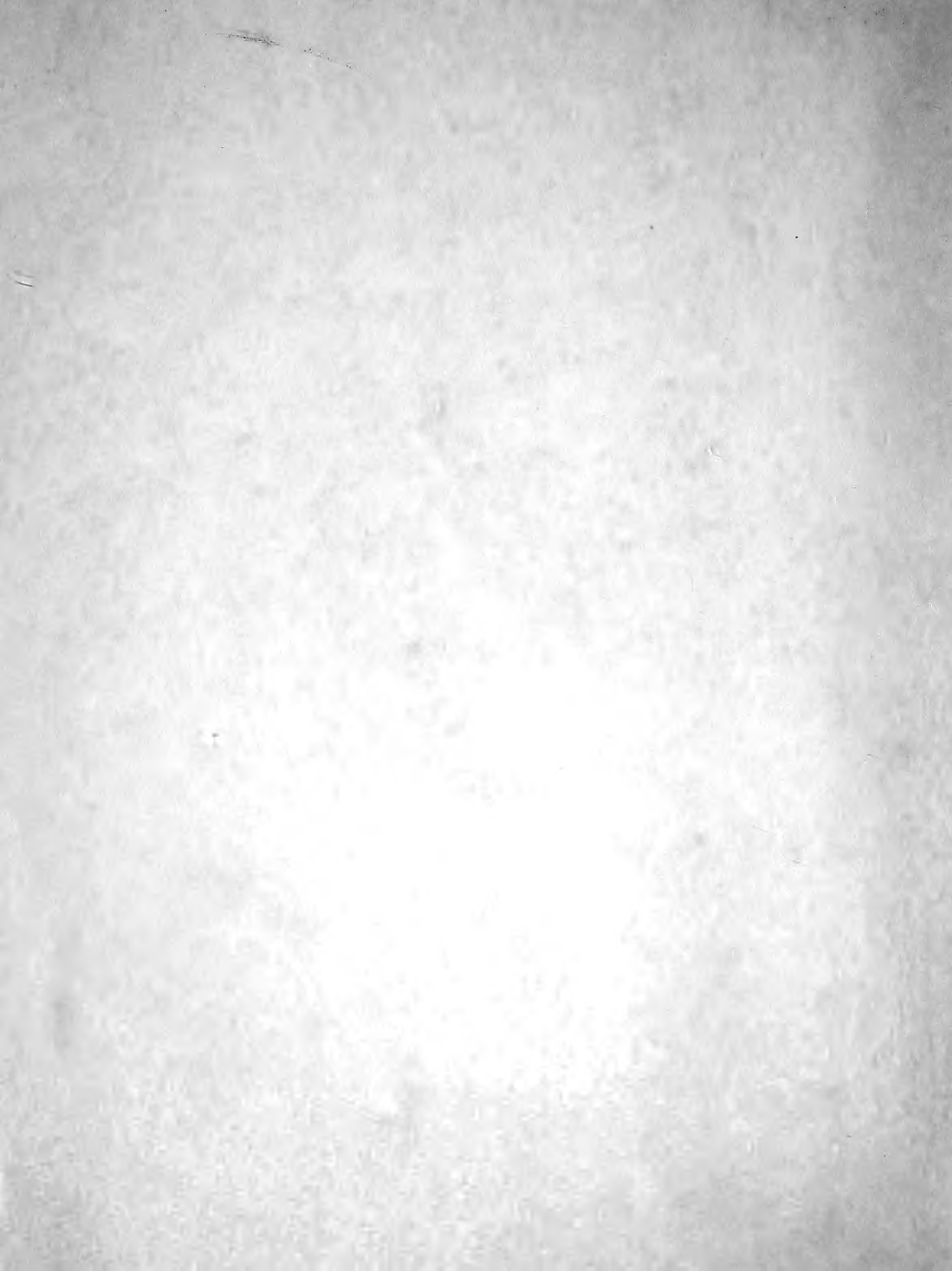
# Smithsonian Year 1986 Supplement

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Chronology and Appendixes



Smithsonian Institution Press  
Washington, D.C.



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# 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 Neighborhood Museum
- Archives of American Art
- Center for Asian 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 Act
- National Museum of African Art
- National Museum of American Art
- National Museum of American History
- National Museum of Natural History
- 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

- Office of the Committee for a Wider Audience
- Office of Elementary and Secondary Education
- Office of Folklife Programs
- Office of Public Affairs
- Office of Smithsonian Symposia and Seminars
- 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 1986

## Chronology

The following is a representative selection of Smithsonian events and milestones during the fiscal year 1985-1986.

### October

**New Programs:** The Office of Fellowships and Grants initiated two new Institution-wide research support programs for short-term visits and workshops.

### October

**Expedition:** James R. Buckler, Director, Office of Horticulture, traveled extensively through China as part of a group of horticulturists invited to tour botanic gardens and arboreta.

### October

**Award:** "Security is Everybody's Business," a video written by the Office of Protection Services and produced by the Office of Museum Programs, was awarded first place in the government category of The American Society for Industrial Security's 1985 video competition.

### October

**Publication:** Sexual Selection and Animal Genitalia, a book by William Eberhard of the Smithsonian Tropical Research Institute, was published by Harvard University Press, Cambridge, Mass.

### October

**Visit:** A Japanese delegation to the Trinational Canal Alternatives Study visited the facilities of the Smithsonian Tropical Research Institute and followed up with discussions in Washington with Assistant Secretary David Challinor and selected staff.

### October

**Appointment:** Robert S. Hoffmann, of the University of Kansas, a leading U.S. authority on the systematics and evolution of mammals, was appointed director of National Museum of Natural History/National Museum of Man.

## October

**Research:** National Museum of Natural History entomologist Ronald J. McGinley and colleagues from the U.S, Mexico and Panama initiated a program to promote the study of Mexican bees by encouraging cooperation between researchers in Mexico and other countries and by aiding in establishing a communication network among interested bee workers and pollination ecologists.

## October

**Expedition:** An interdisciplinary team of National Museum of Natural History scientists, consisting of arachnologist Jon Coddington, entomologists Jerry Louton and Wayne Mathis, botanist Vicki Funk, ichthyologist Richard Vari, and herpetologist George Zug, conducted a biotic survey of a proposed Anapurna Conservation area in Nepal's mountainous Anapurna region for World Wildlife Fund and Nepalese officials interested in formation of multiuse national parks.

## October 3

**Exhibition:** "A New Romanticism: Sixteen Artists from Italy" opened at the Hirshhorn Museum and Sculpture Garden with 46 works by some of Italy's more provocative contemporary artists, a number of whom were present for the opening.

## October 3

**Outreach:** A grant-funded program run by the Office of Elementary and Secondary Education, "Exploring the Smithsonian," brought to the Institution the first of several junior high school classes for special interdisciplinary programs. Over the course of the school year, about 4,500 D.C. junior high school students participated in the program.

## October 3

**Publication:** Smithsonian Institution Libraries presented the first copy of Manuscripts of the Dibner Collection, STL Research Guide #5, published by Smithsonian Institution Libraries, to Dr. Bern Dibner, the collector of the manuscripts, at a reception in the Dibner Library.

## October 3

**Gift:** Smithsonian Institution Libraries received 194 consecutive editions of the Old Farmer's Almanac, beginning with issues from 1792, from Yankee Publishing Co.

## October 4

**Enid A. Haupt Garden:** The first trees were installed in the preparation of the garden, scheduled to open in the spring of 1987.

## October 4

**New Award:** The newly created National Air and Space Museum Trophy was awarded to former NASA official Robert Gilruth and to space shuttle astronauts Kathy

Sullivan and Bruce McCandless for their contributions to the fields of aerospace science and technology. Sen. John Glenn made the trophy presentation, sponsored this year by the Federal Express Corporation and Delta Airlines.

October 11

**Performance:** Hanover Band of London in a Resident Associate event re-created the historic Beethoven concert of April 12, 1800, in Vienna's Burgtheater which featured the world premiere of the Symphony No. 1 in C Major, Op. 15.

October 12

**Exhibition:** "Shark!," a permanent exhibition featuring the jaws of Carcharodon megalodon, the colossal ancestor of the modern great white shark, opened in the fossil hall of the National Museum of Natural History.

October 15

**Renovation:** The Smithsonian Institution Libraries Central Reference and Loan Services renovated facility opened in the east hall of the Natural History Building.

October 17

**Exhibition:** "Selections from the Collection of Marion and Gustave Ring" opened at the Hirshhorn Museum and Sculpture Garden with 50 paintings and sculptures by Degas, Modigliani, Picasso, Vuillard and others, selected from the collection of the late Marion and Gustave Ring. The exhibition later traveled to the Virginia Museum of Fine Arts in Richmond.

October 18-19

**Symposium:** "Liberty: As Idea, Icon and Engineering Feat," sponsored by the Office of Smithsonian Symposia and Seminars, was held at the Cooper-Hewitt Museum in New York in anticipation of the centennial of the Statue of Liberty.

October 22

**Lecture:** Award-winning physician, biologist and author Jonas Salk lectured on "Patterns in Nature and their Possible Significance" for the Resident Associate Program.

October 22

**Seminar:** The Resident Associate Program and the National Museum of Natural History co-sponsored a two-day seminar, "Men of Daring, Triumphs of Exploration," featuring Geologist Stephen Jay Gould.

October 22

**Loan:** Two juvenile gorillas on loan from the Milwaukee Zoo arrived at the National Zoological Park. After a three-month quarantine, the two appealing youngsters were placed on exhibit.

October 24

An Evening With...: Mortimer Adler, of Encyclopaedia Britannica, appeared in a living self-portrait program co-sponsored by the National Portrait Gallery and the National Museum of American Art.

October 24

Exhibition: To celebrate the reappearance of Comet Halley, the National Air and Space Museum sponsored an art exhibition tracing the lore of comets. "Fire and Ice: A History of Comets in Art" included 90 artworks and artifacts from museums and donors around the world.

October 26-27

Symposium: "Consciousness and Survival" was held at Georgetown University under the sponsorship of the Institute of Noetic Sciences and in cooperation with the Office of Smithsonian Symposia and Seminars. Initiated by Sen. Claiborne Pell and Bishop James Spong of New Jersey, the symposium featured physicists, psychologists, biochemists, philosophers and theologians.

October 28-30

Workshop: A "Workshop in Imaging Interferometry in Space" was held in Cambridge, Mass., under cosponsorship of the Smithsonian Astrophysical Observatory.

October 29-November 7

Residencies: Semi-annual sessions of the Kellogg Museum Professionals at the Smithsonian brought senior-level museum professionals from around the United States to the Smithsonian Institution for a 10-day residency to study issues relating to museums as educational resources in their communities.

November

Quincentenary: In November and December, the Directorate of International Activities sponsored two planning conferences for the Columbus Quincentenary in 1992. National and international scholars exchanged ideas with Smithsonian staff on significant themes and topics to be incorporated into the long-term Smithsonian programs.

November

Conference: The Directorate of International Activities co-sponsored with the Social Science Research Council a major conference to explore issues concerning access to research sites by foreign scholars.

November

Meeting: The Directorate of International Activities hosted the second annual

meeting of the U.S.-Pakistan Subcommittee on Education and Culture. Participants included representatives of the Government of Pakistan and the U.S. Information Agency, the National Science Foundation, the Department of Education, the Asia Foundation and the American Institute of Pakistan Studies.

#### November

**Lecture:** Dr. Opeoluwa Onabajo, Department of Archaeology, University of Ife, Nigeria, was guest lecturer on "Stone Figures of Esie, Nigeria: An Historical Enigma," at the National Museum of African Art.

#### November 1-2

**Symposium:** The National Zoological Park's fifth annual symposium for the public, "Wildlife Survivors in the Human Niche," was held emphasizing animals that have successfully survived in cities and other human-dominated environments.

#### November 2

**Concert and Symposium:** The 20th-Century Consort gave the first of four concerts of the 1985-86 season at the Hirshhorn Museum and Sculpture Garden and celebrated the 10th anniversary of its founding with a symposium featuring American composers Stephen Albert, George Crumb and Joseph Schwantner.

#### November 5-6

**Seminar:** "British Historic Research Trust at Newington House: Some New Initiatives in Preservation" was held by the Office of Smithsonian Symposia and Seminars in connection with the National Gallery of Art's exhibition on British country houses, as part of the longstanding Smithsonian series, "Voluntarism and the Public Interest." The program featured lectures by Christopher Maltin, owner of Newington House and the Countess of Roseberry, Dalmer House, Scotland.

#### November 6

**Special Event:** "Bamboo and Stone: Materials and Life in Tribal South India," an illustrated lecture by Caroline Stanley-Millson, was presented by the Office of Folklife Programs in conjunction with the Office of Smithsonian Symposia and Seminars, the India Council of Washington, D.C., and the Anthropological Society of Washington.

#### November 6

**Film Premiere:** "Dance of Tears," a documentary tracing the Khmer Classical Dance Troupe from Cambodia to Thai refugee camps to Washington, D.C., was shown at the National Museum of Natural History. The film was sponsored by the National Council for the Traditional Arts, the D.C. Community Humanities Council, the Khmer Classical Arts Association and the Smithsonian's Office of Folklife Programs.

November 7

**Research:** Smithsonian Astrophysical Observatory radio astronomers reported making the first precise measurements of the distance from Earth to an astronomical object outside our galaxy, thus establishing a new "yardstick" for determining other cosmic distances.

November 8

**Exhibition:** "After the Revolution: Everyday Life in America, 1780-1800" opened at the National Museum of American History. The first of the museum's reinstallations of its permanent exhibition halls, the exhibition features an 18th-century log house, rooms from Virginia and Massachusetts and more than 1,000 artifacts.

November 10

**Television:** The weekly "Sunday Morning" news program on CBS television featured a 10-minute segment devoted to the National Museum of African Art, including an interview with Dr. Roy Sieber, Associate Director for Collections and Research at the Museum. The segment was produced by Alan Harper and was narrated by Charles Kuralt.

November 12

**Lecture:** In his first major Washington address as Secretary of the Smithsonian, Robert McC. Adams delivered his 1985 Aspen Design Conference paper, which presented a historical view of the often-blending fields of design and art. This program was held in conjunction with the National Museum of American Art exhibition, "Art, Design and the Modern Corporation: The Collection of the Container Corporation of America."

November 14

**Exhibition:** "Magnificent Voyagers: The U.S. Exploring Expedition, 1838-1842," a yearlong exhibit that re-created the history of an epic American expedition to the South Seas and Antarctica, opened at the National Museum of Natural History, the largest special exhibit ever organized by the museum exhibits office.

November 15

**Exhibition:** The National Museum of American History opened "At Home on the Road: Autocamping, Motels and the Rediscovery of America," an exhibition exploring the enduring American urge to take to the highway without sacrificing the comforts of home and showing how over the years highway travel has itself become a form of entertainment.

November 17

**Acquisition:** The space shuttle orbiter Enterprise arrived at Washington Dulles International Airport and was officially transferred to the collection of the National Air and Space Museum three weeks later.



November 18

**Special Event:** The Cooper-Hewitt Museum hosted an opening celebration for the exhibition "Golden Eye: An International Tribute to the Artisans of India." The exhibition was a part of the yearlong Festival of India 1985-1986 and inspired the creation of the Golden Eye Foundation. The celebration included the 11 designers participating.

November 22

**Exhibition:** "Gaston Lachaise: Portrait Sculpture" opened at the National Portrait Gallery.

November 26

**Reception:** District of Columbia Mayor Marion Barry cohosted a reception at the National Museum of African Art, in recognition of the establishment of the sister cities agreement between Washington, D.C., and Dakar Cities Friendship Council Inc., a private voluntary organization.

December

**New Program:** The Directorate of International Activities announced a new funding program, the International Exchanges Program, aimed at increasing and strengthening regular exchanges between the Smithsonian and institutions in developing countries. The program will support workshops, training courses and short-term group projects.

December

**Exhibition:** The National Museum of African Art brought together for the first time in almost four decades the collaborative efforts of South African photographer Constance Stuart Larrabee and novelist Alan Paton, author of Cry, the Beloved Country, in an exhibition, "Go Well, My Child." Related events included a discussion with the photographer and a celebration of South African traditional songs with Welcome Msami, noted South African author/performer.

December

**Discovery:** Museum zoologist Meredith L. Jones, an authority on Riftia, the giant tube worm that is a major faunal constituent of the communities living in and around seafloor hydrothermal vents, reported a new discovery bearing on the question of how the adult tube worm obtains the internal symbiotic bacteria from which the worm derives its nourishment.

December

**Discovery:** A Smithsonian Astrophysical Observatory scientist and a colleague at the Massachusetts Institute of Technology reported discovery of the third, and best, candidate for a black hole.

December 4-6

**Symposium:** The National Zoological Park conducted the Tropical Biology Conference on the positive approaches to tropical forest conservation. Successful or promising projects were highlighted. Several hundred professionals with a special interest in this topic attended.

December 5-9

**Special Event:** Smithsonian Associates joined National Air and Space Museum staff to view Halley's Comet during a weekend study tour created by the Smithsonian Associates Travel Program.

December 6

**Special Event:** In celebration of the return of Comet Halley, the National Air and Space Museum sponsored a host of free public activities, including a scientific exhibition on exploring comets, a symposium, a lecture by astronomer Carl Sagan and an evening "Once-In-A-Lifetime" party.

December 6-8

**Milestone:** The National Associates Travel Program celebrated its fourteenth annual Christmas at the Smithsonian Weekend for Smithsonian Associates.

December 6-13

**Workshop:** The Conservation Analytical Laboratory hosted a workshop on the integration of archaeological data with results of an analytical study of Greater Nicoya ceramic production and distribution. Five Costa Rican archaeologists attended this workshop together with American colleagues.

December 12

**Lecture:** Distinguished jurist and Smithsonian Institution Regent A. Leon Higginbotham Jr. surveyed the American legal process as it has affected blacks between 1619 and 1985.

December 13

**Special Event:** The Smithsonian Women's Committee held its fourteenth annual Christmas fundraising dinner-dance in the National Museum of Natural History, with "India" as the theme and His Excellency the Ambassador of India and Mrs. Bajpai as the honorary patrons.

December 14

**Seminar:** "Currents," a seminar for high-school juniors in the Washington, D.C., metropolitan area, was initiated by the Hirshhorn Museum and Sculpture Garden. Students' observations about the "New Romanticism" exhibition of contemporary Italian painting, the focus of the seminar, were later published.

December 18

**Pledge:** The Visitor Information and Associates' Reception Center received from the Pew Memorial Trust a pledge of \$1 million toward the construction of the new Smithsonian Information Center.

December 19

**Comet Watch:** The first of several "Halley observing" sessions was held for the public at the Smithsonian Astrophysical Observatory in Cambridge, Mass. More than 750 people attended the sessions, scheduled periodically through May 2, attempting a glimpse of the famous comet.

December 20

**Exhibition:** The ninth annual "Trees of Christmas" exhibition, developed by the Office of Horticulture in conjunction with the National Museum of American History, opened with 13 trees decorated to display the ethnic, artistic and cultural use of the Christmas tree.

December 26-31

**Holiday Event:** The National Museum of American History offered its annual Holiday Celebration, which this year focused on the theme "Our Ethnic Heritage" and drew on the talents of more than 600 musicians, storytellers and demonstrators of ethnic crafts and cooking.

December 28

**Milestone:** Two hundred eighty-three pieces of antique cutlery from the Robert L. Metzberg collection dating from the 16th through 19th centuries were added to the collections of the Cooper-Hewitt Museum.

January

**Public Programs:** Throughout 1986, special "Halley observing" sessions were scheduled for the public at the Smithsonian Astrophysical Observatory in Cambridge, Mass., and attracted more than 750 people attempting a glimpse of the famous comet.

January

**Research:** Smithsonian Astrophysical Observatory scientists presented a new map of the universe showing that the galaxies are distributed on the surfaces of large, bubblelike voids up to 150 million light years in diameter.

January

**Restoration:** The historic restoration of the Renwick Gallery facade and window replacement was completed in early January for a total cost of \$5,600,000.

## January

**PCB Progress:** The Smithsonian received a "Letter of Compliance" from the U.S. Environmental Protection Agency indicating that the Smithsonian is now in compliance with all regulations concerning PCB transformers.

## January

**Expedition:** Following the catastrophic eruption of Nevada del Ruiz in the Colombian Andes, which destroyed villages and caused the deaths of about 24,000 people, a multidisciplinary museum team, headed by Smithsonian scientists William Melson (volcanologist), Vicki Funk (botanist) and Gary Graves (ornithologist), flew to Colombia to study the eruption and its long-term impact on the environment.

## January

**Award:** Museum archaeologist Betty J. Meggers was awarded the Secretary's Gold Medal for Exceptional Service for her innovative research in pre-Columbian archaeology and her achievements in cementing the professional bonds between the Northern and Southern hemispheres.

## January 1

**Fellow:** LaBelle Prussin, Professor of Architecture, University of Washington, Seattle, began residency at the National Museum of African Art as the first recipient of the Rockefeller Foundation Residential Program in the Humanities. Dr. Prussin's topic was "Nomadic African Women as Place Makers: The Arts and Architecture of Nomadism in Africa."

## January 2

**Acquisition:** The National Museum of American Art accessioned Thomas Eakins' 1908 painting "William Rush's Model," a major gift from Mr. and Mrs. R. Crosby Kemper Jr.

## January 5-18

**Seminars:** "British Country Homes," offered by the National Associates Lecture and Seminar Program, featured 11 British scholars who conducted special lectures and tours of the National Gallery of Art exhibition "Treasure Houses of Britain."

## January 7-8

**Conference:** The Native American Museums Program of the Office of Museum Programs convened a Native American Archives Advisory Conference in Harpers Ferry, West Virginia.

## January 10

**Exhibition:** "Music and Dance of Papua, New Guinea," (Jan. 10- Mar.9), opened at the National Museum of Natural History, an exhibition of the Smithsonian

Institution Traveling Exhibition Service. Featured were color photographs of the brilliantly colorful ceremonial costumes, personal adornment, and dances of the people of Papua New Guinea by photographer Jordan Wright.

January 13-14

**Workshop:** The Smithsonian Environmental Research Center sponsored a workshop in which 15 experts discussed landscape ecology with the goal of developing a better theoretical basis for this field of ecology.

January 26

**Announcement:** A campaign to save more than 800,000 feet of historic aviation newsreel footage was launched by the National Air and Space Museum and the University of South Carolina. The footage covers almost every major event and personality in aviation history.

January 27

**Course:** The Office of Museum Program's Native American Museums Program convened a 10-month course entitled "Design and Production of Exhibitions," consisting of a workshop and practical and technical assistance for mid-career staff of 10 tribal museums.

January 29

**Lecture:** In one of a series of programs at the National Museum of American Art's Barney Studio House, artist Grace Hartigan, whose work is in the museum's collections, discussed her early years as a member of the New York School of painting.

February

**Black History Month:** Films, concerts, lectures and storytelling programs were scheduled throughout the Smithsonian museums. "Black American Popular Music: Rhythm & Blues, 1945-1955" combined a symposium, concerts and an exhibition at the National Museum of American History to explore the development and influence of rhythm and blues music during the postwar period. Other highlights included a Resident Associate Program series on early black cinema and performance by jazz legend Billy Taylor.

February

**Gift:** Hans Panofsky, Curator of the Melville J. Herskovits Library of African Studies, Northwestern University, transferred 90 original black-and-white negatives donated by anthropologist Eva L. R. Meyerowitz to the National Museum of African Art. Included are photographs taken in Abomey, Dahomey, 1937.

February

**Collection Management:** A new dry-nitrogen storage facility for Antarctic meteorites was installed at the Museum Support Center, making it possible for

hundreds of meteorite specimens gathered in Antarctica during the last decade by National Science Foundation expeditions to be permanently turned over to National Museum of Natural History.

#### February

**Telecast:** "Here at the Smithsonian," the series of three-minute features on people and events at the Institution, produced by the Office of Telecommunications, began its fifth season with new distribution via satellite, tripling its subscriber stations to 180.

#### February 3

**Outreach:** The Career Awareness Program of the Office of Elementary and Secondary Education convened its newly formed Advisory Council; the program works to introduce students from the D.C. Public Schools to career opportunities at the Smithsonian.

#### February 5

**Acquisition:** The National Museum of American History accepted an International Harvester model 1486 tractor, made in 1979, from members of the American Agriculture Movement.

#### February 6

**Exhibition:** "Directions 1986," continuing the Hirshhorn Museum and Sculpture Garden's well-known series of contemporary art exhibitions, opened at the museum with 36 works by eight American artists, three of whom appeared in a round-table that evening with the exhibition's curator, Phyllis Rosenzweig.

#### February 18-20

**Seminar:** The Office of Protection Services conducted its ninth annual security conference, which was attended by over 150 security professionals. Besides the traditional focus on the theme "security is everybody's business," special emphasis was placed on library protection and building management.

#### February 20

**Exhibition:** "Treasures from the National Museum of American Art," an exhibition of 81 works from the museum collection, opened at the Seattle Art Museum. Its 13-month national tour included showings at the Minneapolis Institute of Arts, the Amon Carter Museum in Fort Worth and the High Museum of Art in Atlanta.

#### February 28-March 1

**Symposium:** A special symposium for high school teachers and students was conducted at the National Zoological Park, with the goal of educating students about careers in science.

## March

**New Office:** The Safety Division, Office of Protection Services, was established as the separate Office of Safety Programs in order to increase the visibility of its programs which are of increasing concern to the Institution.

## March

**Publication:** High Technology and Human Freedom, a volume based on the Smithsonian's Office of Symposia and Seminars' eighth international symposium, a tribute to George Orwell, was published under the editorship of Lewis H. Lapham, editor of "Harper's."

## March

**Research:** New isotopic and chemical clues to the nature of the earliest solar system solid material were provided by a study of the meteorite Vigarano, from Vigrano, Italy, initiated by the National Museum of Natural History meteorite curator Glenn J. MacPherson. His research is being conducted with collaborating scientists from the University of Chicago and Washington University, St. Louis.

## March

**Award:** The Gold Medal and Diploma of the International Scientific Festival was awarded to "The Sea: A Quest for Our Future," a film produced by the Office of Telecommunications.

## March

**Research:** Former Smithsonian Astrophysical Observatory director, Fred L. Whipple, participated in control center operations for the historic encounters with Halley's Comet by Giotto and Russian Vega spacecraft, which confirmed his classic "dirty snowball" model for a cometary nucleus.

## March

**Gift:** The U.S. Army transferred to the Smithsonian Tropical Research Institute the use of the Surfside Theater Building at Naos Island.

## March

**Exhibit:** "Galapagos--Born of the Sea," an exhibit circulated by the Smithsonian Traveling Exhibition Service opened at the Anthropological Museum in Panama, cosponsored by the Smithsonian Tropical Research Institute and the National Institute of Culture of the Government of Panama. All materials were translated into Spanish.

## March

**Grant:** Smithsonian Institution Libraries received \$3,000 from the Women's Committee of the Smithsonian Associates for the restoration of a 1852 photographic album of London's Crystal Palace exposition, a holding of the Cooper-Hewitt Museum Branch Library collection.

## March 2

**Special Event:** International Seal Day was celebrated at the National Zoological Park with a special public program of seal training demonstrations, talks and touchable objects such as pelts and skulls.

## March 15

**Acquisition:** Ten golden-headed lion tamarin monkeys arrived at the National Zoological Park from Brazil. Their arrival marked the first step in the establishment of a breeding program at the Zoo to ensure long-term survival of this highly endangered species.

## March 16-19

**Conference:** The First National Conference on Women's Changing Roles in Museums was cosponsored by the Office of Museum Programs and the Smithsonian Institution's Women's Council.

## March 17

**Acquisition:** An excavated cache of neolithic plaster statues from the site of 'Ain-Ghazal, Jordan, arrived at the Conservation Analytical Laboratory. These pieces, which date back to about 7000 B.C., will receive special conservation treatment under the terms of a agreement between the Department of Antiquities of Jordan and the Smithsonian's Conservation Analytical Laboratory.

## March 17 - May 9

**Field Course:** The Smithsonian Tropical Research Institute and the University of Panama offered the second Graduate Field Course in Tropical Ecology with the participation of students from Panama, Honduras, Guatemala, Costa Rica and Haiti. More than 20 scientists from national and international institutions were invited speakers.

## March 19

**Benefit:** A dinner for Sister Parish was held to benefit the Decorative Arts Committee of the Cooper-Hewitt Museum. Funds raised were used to purchase two wallpaper sample books used originally by French firms in the 1920s.

## March 20

**Acquisition:** The National Museum of American History accepted a mobile support vehicle, space suit, bubble-shaped isolation units, medical literature and memorabilia documenting the life of David, called the "bubble boy," who was born with severe combined immune deficiency (SCID) and confined to a sterile, bubblelike environment for nearly all of his 12 year of life.

## March 24-28

**Course:** Woodcarving and Conservation of Carved Surfaces, a hands-on course for furniture conservators, was taught at the Conservation Analytical Laboratory by Wallace Gussler of Colonial Williamsburg, and was attended by 10 professionals.



April

**Film:** The Office of Telecommunications completed a five-minute exhibit film "Looking at Earth," for the National Air & Space Museum.

April

**Awards:** The Office of Fellowships and Grants announced the 1986-87 James E. Webb fellowship recipients.

April

**Discovery:** International team of radio astronomers, including Smithsonian Astrophysical Observatory scientists, announced a new distance measurement to the center of the Milky Way, thus reducing the size of our galaxy by one-third.

April

**Expedition:** A Moroccan field expedition was carried out by a Smithsonian-National Geographical Society international team of paleontologists searching for the ancient Strait of Gibraltar. This project, headed by museum paleobiologist Richard H. Benson is providing historical evidence of the formation of the mountain systems.

April

**Telecast:** "Smithsonian Treasures: An American Experience," a 90-minute television special funded by Wang, Inc. and hosted by actor Gene Kelly, was telecast by the Office of Telecommunications during Easter week.

April 2

**Premiere Issue:** Air & Space/Smithsonian, a bi-monthly magazine in the tradition of Smithsonian magazine, launched its first issue. The magazine, geared to the general audience as well as the aerospace buff, recounts the history of flight and the latest discoveries in the aerospace world.

April 5

**Premiere:** The Resident Associate Program hosted the Washington premiere of the Canadian film, "My American Cousin." The film was introduced by Canadian writer Sondra Gotlieb, author of Wife of... and wife of the Ambassador of Canada.

April 10

**An Evening With...:** Dancer Katherine Dunham appeared in a living self-portrait program at the National Portrait Gallery.

April 12

**Exhibit Renovation:** The National Zoological Park began renovation of the basement of the Reptile House began, the principal step in converting the facility into the new vertebrate exhibit.

April 15

Fellowships: The Office of Fellowships and Grants designated 101 1986-87 fellowship recipients.

April 18-20

Special Event: The Smithsonian Women's Committee sponsored the fourth annual Washington Craft Show, a juried show with 100 craftspeople participating. Proceeds from the show and the preview night party were used to fund various educational and research projects throughout the Smithsonian.

April 21

Special Event: The Mayor of Nuremburg, Germany, attended the opening celebration at the Cooper-Hewitt Museum for the exhibition "Toys from the Spielzeug Museum."

April 23

Special Event: "Sailing Ships and Old Salts," a weekend family festival featuring sea chanteys and demonstrations and workshops on maritime-related arts and crafts was held at the National Museum of Natural History in conjunction with the exhibition "Magnificent Voyagers."

April 24

Restoration: The first phase of the reconstructed Olmsted Walk was completed by the contractor and accepted by the National Zoological Park.

April 25

Exhibitions: Two exhibitions, "Portraits by Brady: Imperial Photographs from the Harvard College Library" and "John Frazee, Sculptor," opened at the National Portrait Gallery.

April 28

Special Event: Cooper-Hewitt Museum celebrated the opening of the exhibition "Bon Voyage: Designs for Travel" and the accompanying catalog, made possible through the generosity of the Louis Vuitton Company.

April 30

Exhibition: "Robert Arneson: A Retrospective" opened at the Hirshhorn Museum and Sculpture Garden with 68 works by this California sculptor, the first major East Coast showing for the artist. Opening activities included a lecture by the exhibition's curator, Neil Benezra of the Art Institute of Chicago.

May

Exhibition: Recent field research on the art of the Bamana people of Mali resulted in an exhibition titled, "A Human Ideal in African Art: Bamana

Figurative Sculpture." The exhibition was the first organized by the National Museum of African Art to travel to the Metropolitan Museum of Art, New York.

May

**Publications:** Major works on Plains Indians were produced by Waldo R. Wedel, archaeologist emeritus, and John C. Ewers, ethnologist emeritus, both of the National Museum of Natural History. Dr. Wedel's Central Plains Prehistory: Holocene Environments and Culture Change in the Republican River Basin, published by the University of Nebraska Press, is the first full-scale review and synthesis of central Plains prehistory. Dr. Ewers' Plains Indian Sculpture: A Traditional Art From America's Heartland, published by the Smithsonian Institution Press, is the first comprehensive look at Plains Indian sculpture.

May

**Acquisition:** An important algal herbarium was donated to the National Museum of Natural History by Florida State University. Included were about 8,000 specimens, most of which are from the Bahamas and Florida Keys, where the Smithsonian is engaged in marine biological research.

May

**Guest Lecturers:** Resident Associate Program course, "Literary Evenings: Writers on Writing," featured Pulitzer Prize winner Larry McMurtry, Peter Benchley, Martin Cruz Smith and Jean Auel.

May

**Grant:** Smithsonian Institution Libraries received three grants totaling \$39,000 from the Atherton Seidell Endowment Fund. The grants will be used by Catalog Records to publish scientific records in non-Roman alphabets, by the Smithsonian Astrophysical Observatory Branch Library to acquire documentation on astronomical data analysis systems, and by the Smithsonian Tropical Research Institute Branch Library to acquire microform back issues of scientific journals.

May

**Expedition:** Dr. Ernani Menez of the Oceanographic Sorting Center led a field party of U.S. and Filipino scientists to Siayan Island, a remote, biologically unexplored offshore area of the northern Philippines, to make collections of marine plants containing active natural substances of value as anticancer drugs. The expedition was jointly funded by the Smithsonian and the National Cancer Institute.

May

**Special Event:** The Directorate of International Activities organized a reception to recognize the establishment of a memorial fund through a gift from the estate of Suzanne Liebers Erickson. The fund will support exchange visits between Smithsonian staff and Danish scholars, museum professionals and students for research collaboration, consultations and seminar participation.

## May

**Visit:** John Seiberling, Anthony Beilenson and Ron de Lugo, members of the Committee on Interior and Insular Affairs of the U. S. House of Representatives, visited the Smithsonian Tropical Research Institute and met with representatives from Panama's Department of Renewable Resources and private conservation groups.

## May

**Awards:** "Coral Reefs: New Discoveries, New Resources" received the Minister of Foreign Affairs' Silver Cup in Milan, Italy and the Silver Award at the Houston International Film Festival. "The Big Cats and How They Came to Be" placed first at the National Educational Film Festival in the science/ecology category. Both films were produced by the Office of Telecommunications.

## May 6

**Special Event:** James Smithsonian Society members enjoyed a private visit to the residence of David Lloyd Kreeger. The house, designed by Philip Johnson, is filled with Impressionist, Post-Impressionist, and Modern masterpieces.

## May 6-9

**Symposium:** "Man and Beast Revisited," a special Smithsonian symposium, was held at Front Royal, Va., and at the National Zoological Park as a sequel to the intellectual landmark, "Man and Beast: Comparative Social Behavior" (1969). A new volume is being edited by Michael H. Robinson, zoologist, and Lionel Tiger, anthropologist.

## May 6-10

**International Congress:** The Smithsonian Kellogg Project, in conjunction with the Children's Museum, Indianapolis, conducted an International Congress on Learning in Museums. Teams of senior museum professionals from 22 museums in the United States and Canada participated.

## May 7

**Collection Management:** A group of works from the Hirshhorn Museum and Sculpture Garden's permanent collection were sold by a New York auction house, the first of a number to be auctioned off over the next few years to benefit the museum's collection. Provision for such action was stipulated by Joseph H. Hirshhorn in his bequest.

## May 8

**Exhibition:** The National Air and Space Museum opened a major gallery, "Looking at Earth," that explores the history of aerial and orbital views of the Earth, from camera-carrying pigeons to aircraft to satellites.

May 9

**Research:** A 55,000-gallon oil spill at Panama's oil refinery reached the reef at Galeta Point, the site of the Smithsonian Tropical Research Institute's Atlantic laboratory where long-term studies of animal and plant population variations and their causes are conducted. The Mineral Management Service of the U.S. Department of the Interior provided funds for short-term studies of the ecological impact of the oil spill.

May 10-13

**Workshop:** In Chicago, the first on-site "Policy and Management" workshop for directors and trustees of museums from the membership of the African-American Museum Association was coordinated by the Office of Museum Programs.

May 12

**Open House:** The Smithsonian Office of Public Affairs held a Behind-the-Scenes Day open house for feature writers at the Smithsonian Environmental Research Center in Edgewater, Md. It was attended by a dozen members of the press and generated publicity in both the print and television media.

May 13

**Milestone:** A first in a series of three think-tank conferences was held at the Cooper-Hewitt Museum. Prominent design professionals discussed issues of both theoretical and practical significance to the museum.

May 13

**Guest Lecturers:** Resident Associate Program began its three-part series, "Lillian Gish, Ginger Rogers, and Sally Field: Three Generations of Hollywood Actresses," cosponsored with the National Museum of American History. The three actresses were featured, sharing reminiscences of their careers.

May 14-23

**Residencies:** Semi-annual sessions of the Kellogg Museum Professionals at the Smithsonian brought senior-level museum professionals from around the United States to the Smithsonian Institution for a 10-day residency to study issues relating to museums as educational resources in their communities.

May 15

**Publication:** Symposium proceedings entitled "Watershed Research Perspectives" was published by the Smithsonian Institution Press for the Smithsonian Environmental Research Center. The fifteen chapters cover various aspects of the nutrient dynamics of complex watersheds, the role of riparian vegetation, and the effects of acid deposition. This volume and a previous volume (1977) are the only such watershed research symposia ever published.

May 15

**Exhibition:** Hydrolab, a stationary underwater laboratory, was placed on longterm exhibition at the National Museum of Natural History. The laboratory revolutionized oceanographic research by permitting scientists to live and work in the depths of the sea for lengthy periods.

May 16

**Gift:** An adult male fennec fox was presented to the National Zoological Park by the Hai-Bar (Wildlife) Society of Israel.

May 17

**Research:** After ten years of planning and research, Smithsonian Astrophysical Observatory scientists succeeded in operating an atomic clock to within one-half degree of absolute zero, a temperature that is expected to allow maintenance of a time signal 1000 times more accurate than any other clock.

May 19

**Special Event:** The Ambassador to the United States from Hungary attended the opening at the Cooper-Hewitt Museum for "Treasures from Hungary: Gold and Silver from the 9th-19th Centuries," an exhibition initiated by the Cooper-Hewitt Museum and produced by Smithsonian Institution Traveling Exhibition Service.

May 19

**Challenge Grant:** The Visitor Information and Associate's Reception Center received from the Kresge Foundation a \$500,000 challenge grant toward the construction of its new Information Center.

May 21

**Award:** Louise Steele, a 15-year volunteer with the Visitor Information and Associate's Reception Center, was the recipient of the first Washington Convention and Visitors Association's 1986 Hospitality Award for Outstanding Volunteer.

May 23

**Exhibition:** "Through Light and Shadow: Photographs by Clara Sipprell," opened at the National Portrait Gallery.

May-June

**International Program:** The Office of Museum Programs/USIA Project on Museum Education brought seven international participants to Washington to join with the Kellogg Museum Professionals at the Smithsonian. The group visited Kellogg Project demonstration projects in six U.S. cities in a 30-day exchange program.

June

**Special Event:** Honors ceremonies were held for the 1985-86 Smithsonian Fellows.

## June

**New Program:** A permanent American Indian Program was established at the National Museum of American History to bring Native American perspectives to museum exhibitions, public programs and outreach projects.

## June

**Acquisition:** A rare Vili (Congo) ivory staff top, a chief's emblem of office, circa 19th century or earlier, was purchased by the National Museum of African Art.

## June

**Grant:** A grant was received by the office of Horticulture from the James Smithson Society to acquire equipment to prepare The Garden Club of America slide collection "Slide Library of Notable Parks and Gardens" for transfer to a laser disc.

## June

**Research:** A high-resolution imager, designed and built by the Smithsonian Astrophysical Observatory for the German ROSAT X-ray satellite, was completed and tested.

## June

**Video Pilot:** "Smithsonian Quest," the pilot program for a children's television series from the Institution, was completed by the Office of Telecommunications.

## June 2

**New Office:** The Office of the Keeper of the Smithsonian Institution Building was reorganized as the Office of Architectural History and Historic Preservation with a principal responsibility for the study of the architectural history of all 14 major Smithsonian buildings and their preservation.

## June 4

**Awards:** The Smithsonian News Service was honored by the National Association of Government Communicators, receiving first, third and honorable mention awards in the feature release category of the Blue Pencil Awards. Research Reports, a publication of the Office of Public Affairs, placed second in the newsletter category. The Torch, the Smithsonian staff newspaper also published by OPA, placed first in its category of the Blue Pencil competition and in May received the highest award presented by the Society for Technical Publications Competition.

## June 4

**Grant:** Smithsonian Institution Libraries was awarded \$100,000 equivalent in Pakistani rupees by the Smithsonian Foreign Currency Program to fund part of its Translation Publishing Program.

June 5

**Special Event:** World Environment Day was celebrated at the National Zoological Park with information displays and an evening concert. Collaborating with the Zoo in producing this event was the United Nations Environment Programme and the Global Tomorrow Coalition.

June 6

**Exhibition:** "Fields of Grass," an exhibition of drawings, watercolors and prints of grasses by artists from the 16th century to the present, opened at the National Museum of Natural History.

June 9

**Special Program:** The High School Summer Intern Program began its first session under the auspices of the Office of Elementary and Secondary Education.

June 14

**Exhibition:** "Davy Crockett: Gentleman from the Cane" opened at the National Portrait Gallery.

June 17

**Grant:** The Alfred P. Sloan Foundation awarded a grant to the Smithsonian Institution to support the videotaping of interviews about "Science in National Life." The project will explore potentials inherent in adding a visual component to historical research projects on recent history of science already underway in a number of Smithsonian bureaus. Project staff is based in the Smithsonian Archives.

June 18

**Special Event:** The Smithsonian Archives commemorated the 100th anniversary of the birth of Alexander Wetmore, sixth Secretary of the Smithsonian, with the opening of an exhibition entitled "Alexander Wetmore: The Early Years, 1900-1925." Films of Dr. Wetmore's expeditions to Panama with Watson M. Perrygo in the 1950s were screened and a reception followed.

June 19

**Report:** A nine-month self-study of the Smithsonian Libraries Preservation Planning Program was completed and a report submitted by Nancy E. Gwinn, Assistant Director, Collections Management, under direction of the Association of Research Libraries.

June 19

**Premiere:** "On the Wing," a new large-screen film that dramatized the dynamic relationship between mechanical and natural flight, premiered at the National Air and Space Museum's Samuel P. Langley Theater.



June 20

**Exhibitions:** Twin exhibitions, "Patent Pending: Models of Invention" and "Invention and Enterprise," opened at the National Museum of American History. The exhibitions commemorated the 150th anniversary of the 1836 Patent Act, and helped to launch the joint Smithsonian Institution-United States Patent Model Foundation campaign to raise \$20 million for acquiring some 100,000 patent models scattered across the country.

June 20

**Research:** The Smithsonian Conservation Analytical Laboratory, the Getty Conservation Institute and the Canadian Conservation Institute agreed to a joint research project, with financial support from the Getty Conservation Institute, into the effects of various fumigants on the stability of materials in museum objects.

June 23

**Seminars:** The Office of Elementary and Secondary Education began its 1986 series of summer seminars for teachers; this year the program included ten seminars for local teachers from the Washington, D.C. area and two graduate courses for teachers from other parts of the United States.

June 23-27

**Performance:** The Franz Liszt Centennial Celebration, featuring international virtuosi in recital, was cosponsored by the Resident Associate Program, the John F. Kennedy Center for the Performing Arts, and the Library of Congress.

June 25-29; July 2-6

**Folklife Festival:** The 20th annual Festival of American Folklife featured rice in Japanese folk culture, Tennessee folklife, the conservation of traditional crafts in ethnic, indigenous and regional communities in the United States, and the occupational folklife of American trial lawyers. A music stage to celebrate the Festival's 20th anniversary and dance parties were also included. A related ethnographic film series began on June 25 organized by the Office of Folklife Programs, the Human Studies Film Archives and the Museum of Natural History's Office of Education.

June 27

**Exhibition:** "The Earliest Traces of Life," a permanent exhibition in the National Museum of Natural History fossil hall, highlighted a 3.5 billion-year-old stromatolite, a fossilized mass of blue-green algae and bacteria, the oldest direct evidence of life on earth.

July

**Brochure:** The first brochure on the facilities, research and resources of the Department of Botany, Museum of Natural History, was written and produced by the Office of Public Affairs and designed by the Smithsonian Institution Press.

## July

**Grant:** The National Museum of American History received a generous grant from the Norfolk Southern Foundation to help produce a new major permanent exhibition, "Engines of Change: The American Industrial Revolution, 1790-1860."

## July

**Milestone:** Smithsonian Institution Libraries launched a bar-coding project for circulation and inventory control, subsequently producing over 300,000 bar-code labels from a bibliographic database.

## July

**Acquisition:** The Olle Pellmyr Collection of Fennoscandian Lepidoptera arrived at the National Museum of Natural History. This collection of nearly 7,000 specimens was accumulated during pollination studies and will be used for comparison and research purposes.

## July

**Film Production:** "The Movie Palaces," a half-hour film funded by the National Endowment for the Arts and produced by the Office of Telecommunications, was completed.

## July 1

**Anniversary:** The National Air and Space Museum marked its 10th anniversary, a decade highlighted by record-breaking attendance, an expanded commitment to historical and scientific research, award-winning films and a new national magazine, Air & Space/Smithsonian.

## July 3

**Special Event:** The Festival of American Folklife Japan Program hosted an evening for the Contributing Membership of the Smithsonian's National Associate Program, co-sponsored by the Embassy of Japan.

## July 21

**Information System:** The Conservation Analytical Laboratory became an active contributing member of the international Conservation Information Network. This new information system, still in an experimental, developmental stage, is expected to become a major source of technical information for conservation specialists worldwide.

## July 24

**Obituary:** Adelyn Dohme Breeskin, Senior Curatorial Advisor at the National Museum of American Art and a pre-eminent Mary Cassatt scholar, died in northern Italy a little more than a week after celebrating her 90th birthday at the museum

with friends and colleagues. Among the works of art given to the museum in her honor on that memorable occasion were Jacob Kainen's painting "Dabrowsky V" and James Surls' sculpture "Black and White tipped Flower."

July 25

**Exhibition:** Ornamental and agronomic grasses, grown and installed by the Office of Horticulture, were exhibited at the first International Grass Symposium.

July 27

**Symposium:** The first international grass symposium on grass systematics and evolution was held under the sponsorship of the Smithsonian, the American Institute of Biological Sciences, and the National Science Foundation. Museum botanist Thomas Soderstrom played a major role in planning the symposium, attended by 150 scientists from the U.S. and abroad.

July 29

**Symposium:** "Our Next 50 Years: A Look at the U.S. Space Program," held at the National Air and Space Museum, brought together a panel of experts to discuss the findings and recommendations for the 21st century that were made by the presidentially appointed National Commission on Space.

August

**Calendar:** The Smithsonian calendar of events, produced by the Office of Public Affairs, was redesigned to achieve a more readable and useful format. The calendar continues to be published as a paid monthly advertisement in the Washington Post.

August

**New Program:** The Directorate of International Activities began a pilot three-year program in cooperation with the National Museum of Natural History and the international Man and the Biosphere Program, with a goal of designing a practical, standardized methodology for collecting and managing biotic inventory and other biological data in all biosphere reserves, potential reserves and other endangered habitats.

August

**Publication:** Great Basin, sixth in the Smithsonian's projected twenty-volume encyclopedic Handbook of North American Indians, was published by the Smithsonian Institution Press and the National Museum of Natural History.

August

**Exhibition:** "Thomas T. Thompson Trilobite Collection," a display of the largest and finest personal collection of North American trilobites, opened at the National Museum of Natural History.

#### August 6

**Audiovisual:** "A Living Legacy: The Woodrow Wilson House Museum," a videotape addressing historic house museum issues, premiered at the Office of Museum Programs.

#### August 7

**Exhibition:** "Selections from the Joseph H. Hirshhorn Bequest," the first public showing of a significant group of works from the 1981 bequest of the museum's founding donor, opened at the Hirshhorn Museum and Sculpture Garden.

#### August 8

**Installation:** The redesigned Doris M. Magowan Gallery of Portrait Miniatures opened at the National Museum of American Art. One hundred examples from the museum's collection—many not previously shown publicly—survey the history of the American miniature portrait from the latter half of the 18th century through the mid-19th century.

#### August 20

**Exhibition:** The special education exhibit, "ZooArk," opened at the National Zoological Park with interpretive, interactive modules in six animal houses. Thought-provoking quizzes and innovative computer games encourage visitors to learn about conservation issues.

#### August 23-28

**New Program:** The Conservation Analytical Laboratory's new furniture conservation training program began with the inaugural course, "Wood Technology." Six students were accepted from among 75 applicants for the first class, which will graduate in 1990.

#### August 24-29

**Symposium:** The Smithsonian Astrophysical Observatory cosponsored IAU Symposium 126, "The Harlow Shapley Symposium on Globular Cluster Systems in Galaxies," at Cambridge, Mass.

#### August 25

**Special Event:** Sponsoring, Sustaining, Patron and James Smithsonian Society members of the Contributing Membership were invited to attend "An Evening at the Navy Memorial Museum." Members had access to the museum's entire exhibition, and the evening included a reception and performance by members of The Commodores, the Navy's jazz ensemble.

#### August 31

**Milestone:** Membership in the Contributing Membership Program exceeded 40,000 for the first time since the Program's 1976 inception.

## September

**Publication:** With the autumn 1986 issue, the circulation of Research Reports, a three-times-a-year periodical produced by the Office of Public Affairs on research in the sciences, art and history at the Institution, reached 45,500, an increase of 10,000 over 1985.

## September

**TV PSA:** A public service announcement for television use was produced by the Office of Public Affairs for television use in the greater Washington, D.C. area, reminding residents to enjoy the Smithsonian--their local museums--while summer crowds are gone.

## September

**Forum:** To initiate programs focused on biological diversity, the Directorate of International Activities joined with the National Academy of Sciences to organize a highly successful National Forum on BioDiversity. The four-day, well-publicized event provided the public and media with the learned views of distinguished scientists and scholars on the subject of the rapid destruction of the Earth's natural habitats and the subsequent loss of plants and animals. Concurrent with the Forum was a poster-panel exhibition, film showings, displays of literature and audio-visual materials and the Smithsonian's first live national teleconference via satellite and cable.

## September

**Automated Systems:** The decision was made to use the U.S. Department of Agriculture's service bureau, the National Finance Center, for the Institution's personnel management, payroll and reporting computer systems. A contract will be negotiated with processing anticipated to begin mid-1987.

## September

**Visit:** Kenton Miller, Director General of the International Union for the Conservation of Nature, visited Panama to discuss the sponsorship and scheduling of the Fourth World National Parks Congress to be held in 1992. The Smithsonian Tropical Research Institution was instrumental in promoting this action and has offered its assistance towards the planning and conduct of this international event in Panama.

## September

**Milestone:** Smithsonian Institution Libraries staff began using Electronic Mail for intralibrary communications.

## September

**Research:** Seventy-five scientists from the Smithsonian and other institutions throughout the world began a long-term multidisciplinary study of a mangrove ecosystem at Twin Cays, Belize, Central America, sponsored by the National Museum of Natural History.

## September

**Research:** Analysis of data assembled in a pioneering 10-year study of tropical bats at Barro Colorado Island, Panama, by National Museum of Natural History mammalogist Charles O. Handley, continued in 1986. Dr. Handley's work is illuminating the demography and natural history of a population of tropical bats and their important role in tropical forest ecology.

## September

**Research:** At the Smithsonian Marine Station at Link Port, National Museum of Natural History scientist M. G. Harasewych, began studies of mollusks, using DNA hybridization and isoenzyme electrophoresis techniques to confirm the evolutionary relationships inferred on the basis of shell morphometric and anatomical data. This represents one of the first efforts to use DNA techniques to study molluscan evolution.

## September 1

**News Service:** Electronic transmission of the Smithsonian News Service to selected daily newspapers began via Associated Press Data Feature, a computerized wire service. A total of 1,550 other publications continue to receive the News Service monthly feature stories, written and distributed by the Office of Public Affairs, by mail.

## September 1

**Spanish Edition:** The first Spanish-language edition of the Smithsonian News Service, a product of the Office of Public Affairs, was distributed to 80 Spanish language newspapers in 19 states, Washington, D.C, Puerto Rico, Canada and Colombia.

## September 12

**Exhibition:** "Unknown Territory: Photographs by Ray K. Metzger" opened at the National Museum of American art with 190 photographs documenting Metzger's experimentation with photographic techniques. The artist discussed his work at a subsequent complementary program.

## September 12

**Special Event:** Sponsoring, Sustaining, Patron and James Smithson Society members of the Contributing Membership attended the National Endowment for the Arts' "1986 National Heritage Fellowships Program." Presented at the George Washington University Lisner Auditorium, the program included performances by the master folk artists and artisans chosen as 1986 Heritage Fellows.

## September 15-19

**Course:** As part of the Conservation Analytical Laboratory's conservation training program, a specialist course in the Identification of Historic Textile Dyes and the Preparation of Analytical Reference Standards was taught by the

leading expert in this field, Dr. Helmut Schweppe of BASF, West Germany. This course, attended by 19 museum professionals was recorded on videotape, from which CAL, jointly with the Getty Conservation Institute, will prepare an educational tape at a later date.

September 17

**Lecture:** Olga Hirshhorn described her life with her famed benefactor husband, in conjunction with the exhibition "Selections from the Joseph H. Hirshhorn Bequest." The program was cosponsored by the Resident Associate Program and the Hirshhorn Museum and Sculpture Garden.

September 17-20

**Workshop:** The Office of Museum Programs On-Site Workshop "Collections: Planning and Management," cosponsored by the Office of Museum Programs and the Hawaii Museums Association, sent a Smithsonian Institution team to Honolulu.

September 20

**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 conducted a regional workshop in Shreveport, Louisiana, serving more than 400 teachers from the area, including nearby Arkansas and Texas.

September 23

**Milestone:** The exhibition "Milestones: 50 Years of Consumer Goods and Services" opened at the Cooper-Hewitt Museum to extensive national broadcast coverage, including ABC's "Good Morning America," and coverage in the New York Times.

September 23-24

**Special Program:** "Pulse: A Practicum on Current Ideas and Approaches in Museum Education" was held at the Hirshhorn Museum and Sculpture Garden. The two-day symposium featured lectures and workshops for docents.

September 25

**Exhibition Award:** The Office of Horticulture was awarded second-place honors at the 38th Orchid Congress for orchid display, first place for an educational exhibition and first, second and third place awards for orchid photographs.

September 26-27

**Special Event:** The annual weekend for members of the James Smithsonian society included a formal dinner to honor members of the Society and the National Board of the Smithsonian Associates, a behind-the-scenes tour of the Supreme Court, followed by a luncheon at the John F. Kennedy Center for the Performing Arts.

September 30

**Exhibit Film:** The epilogue film for the Museum of American History exhibition "Engines of Change" was completed by the Office of Telecommunications.

# Appendix I

Members of the Smithsonian Council, Boards, and Commissions, September 30, 1986

## SMITHSONIAN INSTITUTION BOARD OF REGENTS

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## Appendix 2

Smithsonian Special Foreign Currency Program Awards  
Made October 1, 1985, through September 30, 1986

### ARCHEOLOGY, ANTHROPOLOGY, AND RELATED DISCIPLINES

American Academy of Arts and Sciences, Cambridge, Massachusetts. Development conference for special Daedalus issue on 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.

American Sociological Association, Washington, D.C. XI World Congress of Sociology (India).

Baltimore Museum of Art, Baltimore, Maryland. Ritual arts of the Baga (Guinea).

Boston University, Boston, Massachusetts. Indo-U.S. conference on the Indian economy.

Evergreen State College, Olympia, Washington. Comparative study of crop production in India.

Freer Gallery of Art, Washington, D. C. Mughal gardens in Pakistan.

Harvard University, Cambridge, Massachusetts. Epigraphic study of Sogdian and other remains from Gilgit and the Karakorum in Pakistan.

Hunter College, New York, New York. Archeological strategies for Moenjodaro in Pakistan.

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

National Museum of Natural History, Washington, D. C. Geophysical exploration at Moenjodaro, Pakistan.

Smithsonian Office of Folklife Programs, Washington, D. C. Folklife research (Pakistan); el-Sebou: the birth ritual of Egypt.

Social Science Research Council, New York, New York. Conference on agricultural terminologies (India).

Tufts University, Boston, Massachusetts. Conference on South Asia and world capitalism.

University of California, Berkeley, California. Excavations at Opovo-Bajbuk (Yugoslavia); archeological investigations at Harappa, Pakistan; energy technologies and society in rural India.

University of California, Los Angeles, California. International conference on the 100th anniversary of the Congress Party of India.

University of Hawaii, Honolulu, Hawaii. Gender inequalities in rural north India.

University of Minnesota, Minneapolis, Minnesota. Cooperative field and laboratory archeological investigations (India)

University of Pennsylvania, Philadelphia, Pennsylvania. Hellenistic and Roman influences on the ceramics of India; multidisciplinary exchanges program with University of Peshawar, Pakistan.

University of Wisconsin, Madison, Wisconsin. Conference on old problems and new perspectives in the archeology of South Asia (India).

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

Auburn University, Auburn, Alabama and College of William and Mary, Williamsburg, Virginia. VI International Congress of Aracology (India).

Eastern Washington University, Cheney, Washington. Paleontology and carbonate petrology of the Permian-Lower Triassic strata of the Salt, Surghar, and Khisor ranges of Pakistan.

Harvard University, Cambridge, Massachusetts. Later Miocene hominoids and the origins of hominidae (Pakistan).

National Museum of Natural History, Washington, D. C. Distributional and ecological studies of relictual avian populations on the Indian peninsula; international symposium on grass systematics and evolution (India); international conference on marine science in the Arabian Sea (Pakistan).

National Zoological Park, Washington, D. C. Genetic analyses of captive lions (India); Indian environmental science congress; snow leopard conference (India).

New York University, New York, New York. The snakes of Burma (Burma and India).

Northern Illinois University, DeKalb, Illinois. Study of early Cenozoic and older Siliceous microfossils

Ohio State University, Columbus, Ohio. Ecology of a semitropical monsoonal wetland in India; 3rd international congress on environmental education.

Pennsylvania State University, University Park, Pennsylvania. A comparative study on the old world and new world tiger beetle community structure (India).

Rust College, Holly Springs, Mississippi. Nodulating plants of Pakistan.

Smithsonian Tropical Research Institute, Balboa, Panama. Coraciiform avifauna of India.

University of Houston, Houston, Texas. Plumage patterns and speciation in the avian genus "Phylloscopus" (India).

University of Illinois, Urbana, Illinois. Systematic analysis of honey bees (India).

University of Massachusetts, Boston, Massachusetts. Chemical and mechanical communication in termites (India).

University of Minnesota, St. Paul, Minnesota. Comparative breeding ecology of black-bellied terns of South Asia (India).

University of North Carolina, Morehead City, North Carolina. Sharks and their potential use as a food resource (India).

University of North Dakota. Reproductive biology and conservation of the mugger crocodile (India).

Utah State University, Logan, Utah. Generic limits in the Stipeae: the tapa of India and Pakistan.

#### ASTROPHYSICS AND EARTH SCIENCES

Louisiana State University, Baton Rouge, Louisiana. Geochemical and geochronological studies of selected flood basalt provinces of India; facies characteristics of the modern depositional environments of the east coast of India deltaic complexes.

National Air and Space Museum, Washington, D. C. Late Quaternary geochronology (Egypt).

University of Rhode Island, Narragansett, Rhode Island. Possible environmental impact of Deccan basalts volcanism at the Cretaceous/Tertiary boundary (India).

#### MUSEUM PROGRAMS

Carnegie Museum of Natural History, Pittsburgh, Pennsylvania. Exchange of museum personnel with the Pakistan Museum of Natural History.

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

Northwest Institute for Historic Preservation, Pullman, Washington. Stabilization and rehabilitation of historic monuments (Burma).

## Appendix 3

National Museum Act Grants Awarded in Fiscal Year 1986

### GRADUATE/PROFESSIONAL EDUCATION AND TRAINING

New York State Historical Association, Cooperstown, New York  
New York University, New York, New York  
Southern Illinois University, Carbondale, Illinois  
State University of New York, Cooperstown, New York  
University of Delaware, Newark, Delaware  
University of Michigan, Ann Arbor, Michigan

### MUSEUM INTERNSHIPS

Cincinnati Art Museum, Cincinnati, Ohio  
Harris County Heritage Society, Houston, Texas  
Harvard University, Cambridge, Massachusetts  
Historic Deerfield, Deerfield, Massachusetts  
Intermuseum Conservation Association, Oberlin, Ohio  
Missouri Botanical Garden, St. Louis, Missouri  
Museum of Fine Arts, Boston, Massachusetts  
New York Botanical Garden, Bronx, New York  
New York Zoological Society, Bronx, New York  
North Carolina Museum of Art, Raleigh, North Carolina  
Northeast Document Conservation Center, Andover, Massachusetts  
Panhandle-Plains Historical Museum, Canyon, Texas  
Pennsbury Society, Morrisville, Pennsylvania  
Riverbanks Zoological Park, Columbia, South Carolina  
Rochester Museum and Science Center, Rochester, New York  
St. Louis Zoological Park, St. Louis, Missouri  
University of California, Los Angeles, California  
University of Pennsylvania, Philadelphia, Pennsylvania  
Walker Art Center, Minneapolis, Minnesota

### SEMINARS

Association of Science-Technology Centers  
Dubuque County Historical Society, Dubuque, Iowa  
Museum of New Mexico, Santa Fe, New Mexico  
National Trust for Historic Preservation, Washington, D.C.  
Pacific Regional Conservation Center, Honolulu, Hawaii  
Virginia Association of Museums, Richmond, Virginia

#### SERVICES TO THE FIELD

African American Museums Association, Washington, D.C.  
American Association for State and Local History, Nashville, Tennessee  
American Association of Museums, Washington, D.C.  
National Institute for the Conservation of Cultural Property,  
Washington, D.C.  
Strong Museum, Rochester, New York

#### SPECIAL STUDIES AND RESEARCH

American School of Classical Studies, New York, New York  
Carnegie-Mellon University, Pittsburgh, Pennsylvania  
North Carolina State University, Raleigh, North Carolina  
Winterthur Museum, Winterthur, Delaware

#### STIPENDS TO INDIVIDUALS FOR CONSERVATION STUDIES

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## Appendix 4

### Academic, Research Training, and Internship Appointments in Fiscal Year 1986

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 and other appointees are listed in the second section under the heading "Internships and Other Student Appointments." These entries were submitted by bureaus, offices, and divisions of the Smithsonian Institution and may contain some duplication. Also listed in this section are interns placed by the Office of Museum Programs.

#### 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, 1985 and September 30, 1986. 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 host bureau or office and the Smithsonian advisor are also listed.

ARCHIVES OF AMERICAN ART

Jontyle Robinson, Faculty Fellow, Emory University. Archibald John Motley Jr. and his artistic milieu with Garnett McCov, Archives of American Art, from February 1 to May 31, 1986.

BARNEY STUDIO HOUSE

Kenneth Haltman, Graduate Student Fellow, Yale University. The role of the interpreter: treaty councils on the 19th-century frontier with Wilcomb Washburn, from June 16 to August 22, 1986.

CONSERVATION ANALYTICAL LABORATORY

Nancy Benco, Postdoctoral Fellow, State University of New York, Binghamton. Compositional and technological variability: an approach to the study of pottery specialization in ancient societies with Jacqueline Olin and James Blackman, from February 1, 1986 to January 31, 1987.

Ann Boulton, Postgraduate Conservation Intern, State University of New York, Buffalo. Object conservation with Carol Grissom from September 15, 1986 to September 14, 1987.

Veletta Canouts, Visiting Scientist, Southern Illinois University. Hopi social boundary maintenance and exchange relationships, AD 1300-1600 with Ronald Bishop, from September 15, 1986 to September 14, 1987.

Robert M. Ehrenreich, Postdoctoral Fellow, Oxford University, England. The state of iron technology in Roman dominated Britain with Jacqueline Olin and Roy Clarke, Department of Mineral Sciences, from October 1, 1985 to December 31, 1986.

Rosemary Gianno, Wenner-Gren Postdoctoral Fellow, Yale University. The analysis of identification of Southeast Asian resins with David von Endt, from February 1, 1986 to January 31, 1987.

Rita Wright, Visiting Scientist, Harvard University. Production and distribution of ceramics in Middle Asia, with James Blackman, from June 16 to August 15, 1986.

CENTER FOR ASIAN ART  
FREER GALLERY OF ART  
ARTHUR M. SACKLER GALLERY

James Wescoat, Rockefeller Postdoctoral Fellow, University of Chicago. 'In gardens watered by running streams': the meanings of water in Mughal Gardens at Agra with Milo Beach, from April 1 to September 15, 1986 and June 16 to September 16, 1987.

Joseph Thompson, Webb Fellow, University of Pennsylvania. The Vever Collection with Glenn Lowry. from June 2 to August 29, 1986.

#### HIRSHHORN MUSEUM AND SCULPTURE GARDEN

Maria Bartko-Singh, Postdoctoral Fellow, University of Poznan, Poland.

The aesthetic theory of Erwin Panofsky with Phyllis Rosenzweig,  
Department of Painting and Sculpture, from March 1, 1986 to February  
28, 1987.

Patricia McDonnell, Graduate Student Fellow, Brown University. Americans  
in Berlin before World War I: Oscar Bluemner, Charles Demuth, Lyonel  
Feininger, Marsden Hartley with Judith Zilczer, Department of Painting  
and Sculpture, from June 2 to August 8, 1986.

Rebecca Zurier, Predoctoral Fellow, Yale University. The graphic art of the  
Ashcan School with Judith Zilczer, Department of Painting and Sculpture,  
from June 1, 1986 to April 30, 1987.

#### JOSEPH HENRY PAPERS

Margaret Champlin, Graduate Student Fellow, University of California, Los  
Angeles. Rapael Pumpelly, geologist of the Gilded Age with Nathan  
Reingold, from February 17 to April 11, 1986.

#### NATIONAL AIR AND SPACE MUSEUM

John D. Anderson, Jr., Charles A. Lindbergh Professor of Aerospace History,  
University of Maryland, College Park. Definitive history of aerodynamics  
and research in hypersonic aerodynamics with Walter Boyne, Director,  
and Howard Wolko, Department of Aeronautics, from September 1, 1986 to  
August 31, 1987.

Glenn Bugos, Predoctoral Fellow, University of Pennsylvania. Testing the  
F-4 Phantom II: engineering practice in the development of American  
military aircraft, 1952-1972 with E. Timothy Wooldridge, Department of  
Aeronautics, from September 1, 1986 to August 31, 1987.

Michael Dennis, Predoctoral Fellow, The Johns Hopkins University. New  
relations: academic-military relations at the Johns Hopkins  
University Applied Physics Lab and the MIT Instrumentation Lab,  
1942-1952 with David DeVorkin, Space Science and Exploration  
Department, from September 1, 1986 to August 31, 1987.

Louis R. Eltscher, Alfred Verville Fellow, Rochester Institute of Technology.  
A history of the Curtiss-Wright aeronautical corporation with F. Robert  
van der Linden, Department of Aeronautics, from September 1, 1986 to  
August 31, 1987.

Herbert Friedman, Martin Marietta Chair of Space History, The Johns Hopkins  
University. Progress of sounding rocket research centering on the  
Aerobee rocket era of the 1950's with David DeVorkin, Space Science  
and Exploration Department, from September 1, 1986 to August 31, 1987.



Jose Villela Gomez, International Fellow, Universidad Autonoma Nacional de Mexico. Early airlines of Mexico, establishment of the Mexican airline industry, and Mexico's place in aviation history with Ron Davies and Jay Spenser, Department of Aeronautics, from July 1, 1986 to June 30, 1987.

Pierre Lissarrague, Charles A. Lindbergh Professor of Aerospace History. Experimental flight at the very beginning of aviation and characteristics of aircraft flown before 1910 with Walter Boyne, Director, and Ron Davies, Department of Aeronautics, from October 1, 1985 to September 30, 1986.

Beth Parkhurst, Graduate Student Fellow, Brown University. History of women in the computer programming profession with Paul Ceruzzi, Department of Space Science and Exploration, from June 2 to August 8, 1986.

#### NATIONAL MUSEUM OF AFRICAN ART

Renee Boser-Sarivaxivanis, Regents Fellow, University of Basel, Switzerland. African textiles, the Lamb Collection with Sylvia Williams and Roy Sieber, from October 1, 1985 to August 31, 1986.

Christraud Geary, Rockefeller Postdoctoral Fellow, Boston University. Historical photographs as sources for research on African art history and history with Roy Sieber, from September 1, 1986 to August 31, 1987.

Labelle Prussin, Rockefeller Postdoctoral Fellow, University of Washington. Nomadic African women as placemakers: the arts and architecture of nomadism in Africa with Sylvia Williams, from January 1 to August 31, 1986.

#### NATIONAL MUSEUM OF AMERICAN ART

Judith Hayward, Predoctoral Fellow, Columbia University. Man and nature in Winslow Homer's Adirondack pictures with Elizabeth Broun, Curatorial Division, and William Truettner, Department of Painting and Sculpture, from September 1, 1986 to June 30, 1987.

Michael Panhorst, Predoctoral Fellow, University of Delaware. Monumental sculpture dedicated on Civil War battlefields before 1920 with William Truettner and Lois Fink, Department of Painting and Sculpture, from October 1, 1985 to August 31, 1986.

John Wetenhall, Predoctoral Fellow, Stanford University. The ascendancy of modernism in American public sculpture with Virginia Mecklenburg and George Gurney, Department of Painting and Sculpture, from July 1, 1986 to June 30, 1987.

#### NATIONAL MUSEUM OF AMERICAN HISTORY

JoAnne Brown, Postdoctoral Fellow, University of Wisconsin, Madison. Next to Godliness: the meaning and practice of personal cleanliness in America, 1830-1980 with Barbara Melosh, Department of the History of Science and Technology, from October 15, 1985 to November 30, 1986.

- Richard Bushman, Regents Fellow, University of Delaware. Gentility and respectability, material culture in early America, 1700-1850 with Roger Kennedy, Director, and Gary Kulik, Department of Social and Cultural History, from January 1 to August 31, 1986.
- Bret Carroll, Graduate Student Fellow, Cornell University. Robert Hare's theories of electricity with Arthur Molella, Department of the History of Science and Technology, from June 2 to August 8, 1986.
- Elizabeth Clark-Lewis, Postdoctoral Fellow, University of Maryland, College Park. The migration and employment transition of African-American women, 1890-1930 with Spencer Crew, Archives Center, from September 1, 1986 to August 31, 1987.
- Wayne Durrill, Predoctoral Fellow, University of North Carolina, Chapel Hill. Rural development in the Early New South: Anson County, North Carolina, 1870-1900 with Pete Daniel, Department of the History of Science and Technology, from January 1 to December 31, 1986.
- Edwin Gabler, Postdoctoral Fellow, University of Massachusetts. Social and economic history of late 19th-century American telegraphers with Bernard Finn and Arthur Molella, Department of the History of Science and Technology, from September 1, 1986 to August 31, 1987.
- Paul Groth, Postdoctoral Fellow, University of California, Berkeley. Factory space and "living" space: form and meaning in American industrial buildings, 1870-1930 with Robert Vogel, Department of the History of Science and Technology and Gary Kulik, Department of Social and Cultural History, from February 1 to July 31, 1986.
- Sharon Harley, Faculty Fellow, University of Maryland, College Park. What it means when women work: gender, race, and women's work in the nation's capital, with Spencer Crew and James Horton, Archives Center, from February 2 to June 1, 1986.
- Kenneth Kreitner, Graduate Student Fellow, Duke University. Town bands and community life in turn-of-the-century Pennsylvania with Horace Boyer and Cynthia Hoover, Department of Social and Cultural History, from June 2 to August 8, 1986.
- Alan Lessoff, Graduate Student Fellow, The Johns Hopkins University. The structure of local real estate and contracting business in the District of Columbia during the Gilded Age and the involvement of local entrepreneurs in the District development and party politics with Keith Melder, Department of Social and Cultural History, from February 3 to April 11, 1986.
- Karen Linn, Predoctoral Fellow, Brown University. The American idea of the banjo with John Hasse, Department of Social and Cultural History, from September 1, 1986 to August 31, 1987.
- Charles McGovern, Predoctoral Fellow, Harvard University. The discovery of the consumer, 1880-1940 with Jackson Lears, Department of Social and Cultural History, and Spencer Crew, Archives Center, from September 1, 1986 to August 31, 1987.

Cynthia Neverdon-Morton, Faculty Fellow, Coppin State College. The Afro-American woman and the struggle for racial and social equality 1925-1975 with Edith Mayo, Department of Social and Cultural History, from September 1 to December 31, 1986.

Rodney Olsen, Postdoctoral Fellow, University of Missouri. The visual culture of civilized morality with Jackson Lears and Susan Myers, Department of Social and Cultural History, from September 1, 1986 to August 31, 1987.

Frances Robb, Predoctoral Fellow, West Virginia University. Industrialization in the Potomac River Valley, 1800-1860 with William Withuhn, Department of the History of Science and Technology, from August 1, 1986 to July 31, 1987.

William Wiggins, Faculty Fellow, Indiana University. The role of sports in Afro-American community life during the Jim Crow Era: 1896 to 1954 with Carl Scheele, Department of Social and Cultural History, from July 1 to August 31, 1986.

#### NATIONAL MUSEUM OF NATURAL HISTORY

Hans Bath, Visiting Scientist, Forschungs - Institut Senckenberg, Frankfurt, Germany. Examining and identifying a large number of parablenniins and other blennioids and fishes with Victor Springer, Department of Vertebrate Zoology, from September 1 to September 28, 1986.

David Begun, Predoctoral Fellow, University of Pennsylvania. The taxonomy and phylogeny of Dryopithecus with Richard Potts, Department of Anthropology, from September 1, 1986 to August 31, 1987.

Daniel Britt, Graduate Student Fellow, Brown University. The mineralogy and petrology of meteorites with Glenn MacPherson, Department of Mineral Sciences, from June 9 to August 15, 1986.

James Brittsan, Visiting Student, University of Maryland, College Park. Rates of primary production through use of a cold water microcosm with Walter Adey, Marine Systems Laboratory, from April 1, 1986 to March 31, 1987.

Susan Candela, Visiting Student, University of Miami. Identification of beaks of Pelagic Cephalopods from the Western North Atlantic with Clyde Roper, Department of Invertebrate Zoology, from July 15 to July 31, 1986.

Ricardo Correa e Castro, Predoctoral Fellow, University of Sao Paulo, Brazil. Taxonomic revision of the family Prochilodontidae (Pisces: Characiformes) with Richard Vari, Department of Vertebrate Zoology, from August 1, 1986 to July 31, 1987.

Steven Crum, Native American Fellow, University of Utah. The National Congress of American Indians and its involvement in American Indian higher education with Herman Viola, National Anthropological Archives, from June 9 to August 8, 1986.

- Amy Dahlstrom, Postdoctoral Fellow, University of California, Berkeley. Obviation in Fox with Ives Goddard, Department of Anthropology, from January 1 to December 31, 1986.
- Kruna Elbied-Rakic, Visiting Scientist, University of Belgrade, Yugoslavia. Search for the deep-sea passage formed between the Atlantic Ocean and the Mediterranean Sea at the beginning of the Pliocene (late Neogene) with Richard Benson, Department of Paleobiology, from March 1, 1986 to February 28, 1987.
- Richard Emlet, Postdoctoral Fellow, University of California, Berkeley. Studies on developmental mode and its evolutionary consequences in fossil echinoids with David Pawson, Department of Invertebrate Zoology, from October 1, 1985 to September 30, 1986.
- Ronald Engard, Postdoctoral Fellow, Indiana University. Art and political economy: the constitutionality of symbols in African myth, dance, and other "expressive forms" with Mary Jo Arnoldi, Department of Anthropology, from September 1, 1986 to August 31, 1987.
- Omran Frihy, U.S./Egypt Peace Postdoctoral Fellowship, Alexandria University, Egypt. Erosion of the eastern Nile delta with Daniel Stanley, Department of Mineral Sciences, from April 24, 1986 to February 24, 1987.
- Robert Gay, Native American Fellow, New Mexico State University. The Oglala Sioux Tribe from 1890-1934 with Herman Viola, National Anthropological Archives, from July 1 to July 31, 1986.
- Martha Graham, Graduate Student Fellow, University of New Mexico. An ethnoarcheological study of Tarahumara residential site structure and mobility with William Merrill, Department of Anthropology, from September 8 to November 15, 1986.
- Mark Grygier, Postdoctoral Fellow, University of California, San Diego. Taxonomy, morphology, and ecological relationships of Myzostomida with Kristian Fauchald, Department of Invertebrate Zoology, from July 1 to December 31, 1986; and May 15 to November 14, 1987.
- Royce Brooks Hanson, Postdoctoral Fellow, University of California, Los Angeles. Thermal and metamorphic evolution of the Ritter Range Pendant, East-Central Sierra Nevada, California with Sorena Sorenson and Richard Fiske, Department of Mineral Sciences, from September 15, 1986 to September 14, 1987.
- Marian Hansson, Visiting Scholar, University of Oklahoma. The Kiowa collections at the Smithsonian with William Merrill, Department of Anthropology, from April 15, 1986 to April 14, 1987.
- Lawrence Heaney, Postdoctoral Fellow, University of Kansas. Systematics and biogeography of Southeast Asian tree squirrels with Michael Carleton and Richard Thorington, Department of Vertebrate Zoology, from September 1, 1986 to August 31, 1987.

- Alan Herndon, Graduate Student Fellow, Florida International University. Preliminary revisionary studies on North American Hypoxis with Robert Faden, Department of Botany, from June 2 to August 8, 1986.
- Lesley Hill, Faculty Fellow, University of Massachusetts. Bio-cultural approaches to the study of New World slavery and emancipation with Lawrence Angel, Department of Anthropology from February 1 to May 31, 1986.
- Robert Hook, Postdoctoral Fellow, University of Kentucky. Paleoenvironmental controls on the accumulation and preservation of upper carboniferous tetrapod remains with Kay Behrensmeyer, Department of Paleobiology, from January 1 to December 31, 1986.
- Alan Robert Kabat, Visiting Student, Harvard University. Systematics of the Naticidae, a family of predatory marine gastropod mollusks with Richard Houbbrick, Department of Invertebrate Zoology, from June 11 to June 20, 1986.
- Silvard Kool, Predoctoral Fellow, George Washington University. Phylogeny and taxonomy of thaidid (Prosobranchia: Muricacea) gastropods with Richard Houbbrick, Department of Invertebrate Zoology, from June 1, 1986 to May 31, 1987.
- Varuni Kulasekera, Graduate Student Fellow, University of Peradeniya, Sri Lanka. A new species of Anopheles of the aitkenii species group from Sri Lanka with Karl Krombein, Department of Entomology, from August 4 to October 10, 1986.
- Lars Kvist, Predoctoral Fellow, University of Aarhus, Denmark. The taxonomy and specialization of Kohleria (sensu lato) (Gesneriaceae) with Laurence Skog, Department of Botany, from September 1, 1986 to August 31, 1987.
- Michael Lambert, Graduate Student Fellow, Harvard University. Islam and national identity in Senegal with Ivan Karp, Department of Anthropology, from June 30 to September 5, 1986.
- Ariyawansa N. Liyanage, Graduate Student Fellow, Nagoya University, Japan. Minerological and chemical analysis of deep ocean sediments with Kurt Fredriksson, Department of Mineral Sciences, from October 2 to November 28, 1985.
- Karen Lupardus, Postdoctoral Fellow, University of Kansas. Recovery and processing of Alabama (Muskogean language) texts collected by John R. Swanton circa 1910 with Ives Goddard, Department of Anthropology, from June 1, 1986 to February 28, 1987.
- Mark Mack, Education Fellow, University of Massachusetts. Donald Ortner, Department of Anthropology, from September 1, 1986 to August 31, 1987.
- Anne Menne, Graduate Student Fellow, University of California, Los Angeles. Movement analysis in selected ethnic film with Mary Jo Arnoldi, Department of Anthropology, from June 16 to August 23, 1986.

- James Stuart Miller, Postdoctoral Fellow, Cornell University. A phylogenetic analysis of the dioptine genera (Lepidoptera: Notodontidae) with Robert Robbins, Department of Entomology, from February 15, 1986 to February 14, 1987.
- Sidney Mintz, Regents Fellow, The Johns Hopkins University. The cultural and economic place of sucrose in U.S. History with Robert Hoffman, Director, and Adrienne Kaeppler, Department of Anthropology, from September 1, 1986 to August 31, 1987.
- Dorothy Ann Pabst, Graduate Student Fellow, Duke University. Morphology and possible function of the subdermal connective tissue sheath in cetaceans with James Mead, Department of Vertebrate Zoology, from June 2 to August 8, 1986.
- Michael Pogue, Visiting Scientist, University of Minnesota. Long-term program on canopy Lepidoptera with Terry Erwin, Department of Entomology, from August 1, 1986 to July 31, 1987.
- Carol Robertson, Faculty Fellow, University of Maryland, College Park. The dynamics of power and gender as reflected in Hawaiian performance contexts with Adrienne Kaeppler, Department of Anthropology, from December 12, 1985 to May 30, 1986.
- Susan Rowley, Postdoctoral Fellow, Cambridge University, England. Inter-regional population movements and their archaeological visibility: a case study among northern hunter-gatherers with William Fitzhugh, Department of Anthropology, from November 15, 1985 to November 14, 1986.
- Anna Siniarska, Postdoctoral Fellow, Adam Mickiewicz University, Poland. Sexual dimorphism and asymmetry of human bones with Donald Ortner, Department of Anthropology, from October 1, 1985 to September 30, 1986.
- Bob Smith, Native American Fellow, Long Beach State College. Oneidas, from time of contact through 1934 with Herman Viola, National Anthropological Archives, from February 1 to March 15, 1986.
- Celia Smith, Postdoctoral Fellow, Stanford University. Species concepts in red algae: testing for evolution or phenotypic variation in species of Bostrychia (Rhodomelaceae, Ceramiales) with James Norris, Department of Botany, from January 15, 1986 to January 14, 1987.
- Margaret Stern, Graduate Student Fellow, University of California, Davis. Ecology and biogeography of Andean bamboo and its associated fauna with Thomas Soderstrom, Department of Botany, from March 17 to May 23, 1986.
- Hans-Dieter Sues, Postdoctoral Fellow, Harvard University. Patterns of evolution in herbivorous mammal-like reptiles from the Beaufort Group (Permo-Triassic) of southern Africa with Nicholas Hotton, Department of Paleobiology, from August 1, 1986 to July 31, 1987.

James Thomas, Predoctoral Fellow, Florida Institute of Technology. Cladistical analysis of selected tropical gammaridean amphipoda with Laurens Barnard, Department of Invertebrate Zoology, from June 1, 1986 to May 31, 1987.

Russell Thornton, Native American Fellow, Florida State University. James Mooney: historic American Indian populations and epidemiology with Douglas Ubelaker, Department of Anthropology, from January 1 to February 28, 1986.

Katherine Troyer, Postdoctoral Fellow, University of California, Davis. The evolution of herbivory in terrestrial vertebrates with George Zug, Department of Vertebrate Zoology, from September 1, 1986 to August 31, 1987.

Susan Weller, Predoctoral Fellow, University of Texas, Austin. A revised classification and phylogeny of the Nystaleini (Lepidoptera: Notodontidae) with Robert Robbins, Department of Entomology, from September 1, 1986 to August 31, 1987.

Thosaporn Wongratana, Postdoctoral Fellow, University of London, England. A revision of phylogeny and taxonomy of Indo-West Pacific clupeoid fishes with Robert Gibbs, Department of Vertebrate Zoology, from October 1, 1985 to September 30, 1986.

#### NATIONAL PORTRAIT GALLERY

Dorinda Evans, Senior Postdoctoral Fellow, Emory University. Gilbert Stuart: The artist and his influence with Lillian Miller, Charles Wilson Peale Papers, from September 1, 1986 to April 30, 1987.

Tara Tappert, Predoctoral Fellow, George Washington University. Biography of Cecilia Beaux (1855-1942) and a critical analysis of her work with Lillian Miller, Charles Wilson Peale Papers, from July 1, 1986 to June 30, 1987.

#### NATIONAL ZOOLOGICAL PARK

G. Agoramoorthy, Visiting Student, University of Jodhpur, India. Reproductive strategies of male and female Hanuman Langurs of Jodhpur, India with R. Rudran, Department of Zoological Research, from May 1 to October 31, 1986.

Sara Aliga, Visiting Student, University of Ricardo Palma, Peru. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.

Bharat Bhushan, Visiting Student, University of Bombay, India. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.

Mary Katherine Carlstead, Postdoctoral Fellow, State University of Groningen, Netherlands. Predictability as a factor contributing to the occurrence of cage stereotypies in zoo animals with John Seidensticker, Department of Mammalogy, from September 15, 1986 to September 14, 1987.

- Peter Davidar, Visiting Student, Madras University, India. R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.
- Kim C. Derrickson, Postdoctoral Fellow, University of Pennsylvania. The experimental use of female mockingbird (Mimus polyglottos) response to assay the effectiveness of male song repertoires of different size and delivery patterns in attracting females with Eugene Morton, from October 15, 1985 to October 14, 1986.
- Pulinkunnel Ease, University of Calicut, India. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.
- Lisa Forman, Visiting Scientist, New York University. Population genetics with Katherine Ralls, Department of Zoological Research, from August 1, 1986 to July 31, 1987.
- Kenneth Halama, Graduate Student Fellow, University of Virginia. Differences in salamander species diversity between disturbed and undisturbed habitats with John Seidensticker, Department of Mammalogy, from June 9 to August 15, 1986.
- JoGayle Howard, Predoctoral Fellow, University of Maryland, College Park. Xenogenous fertilization of leopard cat (Felis begalensis) oocytes with David Wildt, Department of Animal Health, from January 1 to December 31, 1986.
- Yadvendradev V. Jhala, University of Bombay, India. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.
- Subba Manbahadur, Visiting Student. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.
- William McShea, Postdoctoral Fellow, State University of New York, Binghamton. Social organization of a fossorial insectivore (Condylura cristata) with Edwin Gould, Department of Mammalogy, from June 1, 1986 to May 31, 1987.
- Daniel Mughogho, Visiting Student, University of Malawi, Central Africa. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.
- Donald Nichols, Postdoctoral Fellow, Virginia-Maryland Regional College of Veterinary Medicine. Development of immunologic tests to detect Parelaphostrongylus tenuis infection in exotic ungulates with Richard Montali, Department of Pathology, from August 1, 1986 to July 31, 1987.
- Enrique Ortiz, Visiting Student, San Marcos State University, Peru. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to April 15, 1986.



Suryo W. Prawiroatmodjo, Visiting Student, Airlangga University, Indonesia. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.

Ramkrishnan Selvakumar, Visiting Student, Madurai-Kamaraj University, India. Feeding ecology and social organization of the Gaur 'Bos Gaurus' with Christen Wemmer, Department of Conservation, from May 1 to October 31, 1986.

Ram Prit Yadav, Visiting Student. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.

Prospero A. Yance, Visiting Student, Universidad Nacional Agraria La Molina, Peru. Conservation and Wildlife Management Training with R. Rudran, Department of Zoological Research, from June 2 to August 15, 1986.

#### OFFICE OF FOLKLIFE PROGRAMS

Edward Ayom, Graduate Student Fellow, City University of New York. A linguistic and pedagogic exegesis of some (Jieng) Dinka tongue twisters, riddles, and song and dance games with Peter Seitel and Ives Goddard, Department of Anthropology, from June 30 to September 5, 1986.

Francesca Cappelletto, Graduate Student Fellow, University of North Carolina, Chapel Hill. Analysis of the Festival of American Folklife and its ramifications from theoretical perspective with Peter Seitel, from September 15 to November 21, 1986.

Margaret Wade-Lewis, Faculty Fellow, New York University. Analysis and cataloguing of tapes from the Festival Black Storytelling with Phyllis May-Machunda, from July 1 to August 31, 1986.

#### SMITHSONIAN ASTROPHYSICAL OBSERVATORY

Johannes Andersen, Visiting Scientist, Copenhagen University, Denmark. Radial velocity measurements on early-type stars and spectroscopic binaries from August 11 to October 30, 1986.

Lawrence Anderson, Visiting Scientist, University of California, Berkeley. Study of the thermal equilibrium of the solar atmosphere from the photosphere to the base of the corona, from July 7 to July 18, 1986.

Keith Arnaud, Postdoctoral Fellow, Cambridge University, England. Soft x-ray spectra used to study a large sample of clusters, near infrared spectra of old stellar populations, and the consequences of cooling flows by using IRAS and Hubble Space Telescope data, from September 1, 1986 to August 31, 1988.

- Alison Campbell, Visiting Scientist, Cambridge University, England. Age sequences in giant extragalactic bursts of star formation with Steven Willner, Department of Optical and Infrared Astronomy, from May 15, 1986 to January 31, 1988.
- Hendrik W. DeVries, Visiting Scientist, Columbia University. High latitude molecular clouds associated with infrared emission from IRAS with Patrick Thaddeus, Department of Radio and Geoastronomy, from July 1 to August 31, 1987.
- David Fegun, Visiting Scientist, University College, Dublin, Ireland. High energy astrophysics, from September 1 to October 3, 1986.
- Akihiko Hashimoto, Postdoctoral Fellow, Nagoya University, Japan. Planet forming processes in the solar nebula, with J.A. Wood, Department of Planetary Sciences, from May 1, 1986 to April 30, 1987.
- Philip Judge, Visiting Scientist, Oxford University, England. Calculation of model stellar atmospheres based on sulphur atomic data from July 28 to August 22, 1986.
- Cedric Lacey, National Aeronautics and Space Administration Postdoctoral Fellow, Cambridge University, England. Dissipational galaxy formation, and stellar dynamics with George Field, Department of Theoretical Astrophysics, from July 1, 1986 to June 30, 1987.
- Valerie de Lapparent, Postdoctoral Fellow, University of Paris, France. The large-scale distribution of galaxies with Irwin Shapiro, Director, from September 1, 1986 to August 31, 1988.
- Laurence Marschall, Visiting Scientist, University of Chicago. Radial velocities of stars in the Trapezium Cluster in Orion with David Latham and Robert Mathieu, Department of Optical and Infrared Astronomy, from July 1, 1986 to August 31, 1987.
- Brian McBreen, Visiting Scientist, University College, Dublin, Ireland. Star forming regions in the Giant Molecular Clouds, from September 22 to October 11, 1986.
- Birgitta Nordstrom, Visiting Scientist, Stockholm University, Sweden. Radial velocity measurements on early-type stars and spectroscopic binaries, from August 25 to October 31, 1986.
- Lenoid Ozernov, Distinguished Visiting Scientist, Lebedev Physical Institute, Moscow. Intergalactic medium, quasars, galaxy formation, and other phenomena related to cosmological problems with Irwin Shapiro, Director, and George Field, Department of Theoretical Astrophysics from July 21, 1986 to July 31, 1988.
- Douglas K. Russell, Visiting Scientist, University of Leicester, England. Laboratory infrared spectroscopy of astronomical ions with H.E. Radford, Department of Atomic and Molecular Physics, from July 1 to December 31, 1986.

- Sankar P. Tarafdar, Visiting Scientist, University of Calcutta, India. Interstellar chemistry with A. Dalgarno, Department of Theoretical Astrophysics, from August 27 to September 30, 1986.
- Hans Ungerechts, Visiting Scientist, Bonn University, Germany. CO Survey of the molecular clouds in Perseus, Taurus, and Auriga with Patrick Thaddeus, Department of Radio and Geoastronomy, from August 15 to December 31, 1986.
- P. Venkatakrisnan, Visiting Scientist, Bangalore University, India. The physics of solar magnetic flux-tubes; long baseline optical interferometry with R.W. Noves and Peter Nisenson, Department of Solar and Stellar Physics, from September 1 to September 30, 1986.
- Ira Wasserman, Visiting Scientist, Cornell University. Elementary particle physics with George Rybicki, Department of Theoretical Astrophysics, from April 1 to June 15, 1986.
- Frank Wilczek, Regents Fellow, University of California, Santa Barbara, with Irwin Shapiro, Director, and staff, from June 15 to August 15, 1986; June 15 to August 15, 1987; and June 15 to August 15, 1988.
- Andrzej Zdziarski, Visiting Scientist, Harvard University. Model of Gamma ray burst sources based on repeated Compton scatterings with Alan Lightman, Department of Theoretical Astrophysics, from May 15 to August 15, 1986.

#### SMITHSONIAN ENVIRONMENTAL RESEARCH CENTER

- Hilton Biggs, Visiting Scientist, Purdue University. Renovation of a UVB instrument with Bernard Goldberg and John Sager, Rockville, from June 16 to July 4, 1986.
- Josef Grabowski, Visiting Scientist, Poznan Technical University, Poland. Atmospheric pressure effect on photosynthetic energy transfer with Elisabeth Gantt, Rockville, from June 1 to November 30, 1986.
- Geoffrey Holmes, Visiting Scientist, University of Cambridge, England. Far-red enhancement of stomatal aperture and photosynthesis under simulated natural conditions with William Klein, Rockville, from October 12 to October 26, 1986.
- Jitendra Khurana, Postdoctoral Fellow, Delhi University, India. Physiology of flowering of the duckweeds with Charles Cleland, Rockville, from October 1, 1985 to September 30, 1986.
- Mamoru Mimuro, Visiting Scientist, National Institute for Basic Biology, Okazaki, Japan. Chemical modification of energy transfer in photosynthetic antennae with Elisabeth Gantt, Rockville, from August 16 to September 6, 1986.

- Laura Nye, Visiting Student, North Carolina State University. Telemetric analysis of foraging and movement by Callinectes sapidus (Rathbun) with Anson Hines, Edgewater, from May 1, 1986 to April 30, 1987.
- Curtis Robinson, Visiting Scientist, Edinboro State College. Gene regulation of carotenoid biosynthesis in N. crassa with Roy Harding, Rockville, from July 15, 1986 to July 14, 1987.
- Allison Snow, Postdoctoral Fellow, University of Massachusetts. Male and female reproductive success of a woodland orchid, Tipularia discolor with Dennis Whigham, Edgewater, from September 1, 1986 to December 31, 1987; and April 1 to August 31, 1988.
- Mark Southerland, Postdoctoral Fellow, University of North Carolina, Chapel Hill. Behavioral ecology of coexisting generalist ant species with James Lynch, Edgewater, from January 1 to December 31, 1986.
- James Stretch, Postdoctoral Fellow, University of California, Santa Barbara. Role of emergent plankton in regulating infaunal patchiness with Anson Hines, Edgewater, from March 1, 1986 to February 28, 1987.
- David Ward, Postdoctoral Fellow, University of East Anglia, Norwich, England. Acclimation of photosynthetic carbon reduction and light harvesting to nitrogen stress in Spartina alterniflora, Loisel with Bert Drake, Rockville, from July 1, 1986 to June 30, 1987.
- Fan Jie Zeng, Visiting Scientist, Academia Sinica, Beijing, China. Evolutionary relationship of Phycobilisome containing algae with Elisabeth Gantt, Rockville, from November 1, 1985 to October 30, 1986.

#### SMITHSONIAN INSTITUTION ARCHIVES

- Su Ge, Graduate Student Fellow, Brigham Young University. U.S. China Policy from Mutual Defense Treaty to Taiwan Relations Act with William Moss, Smithsonian Institution Archives, from June 9 to August 16, 1986.

#### SMITHSONIAN MARINE STATION AT LINK PORT

- Rudiger Bieler, Postdoctoral Fellow, Universitat Hamburg, West Germany. Taxonomy, biology, and ecology of the gastropod family vermetidae in the subtropical Western Atlantic with Richard Houbrick, Department of Invertebrate Zoology, from June 1, 1986 to May 31, 1987.
- Beth Okamura, Postdoctoral Fellow, University of California, Berkeley. Partitioning of food resources by bryozoans with Mary Rice, and Alan Cheetham, Department of Paleobiology, from November 1, 1985 to October 31, 1986.

Kent Saxin-Hammarstrom, Graduate Student Fellow, Duke University. Structure and ultrastructure of the body wall of Sibuncula and Echiura, with functional and phylogenetic conclusions with Mary Rice, from September 1 to November 7, 1986.

SMITHSONIAN TROPICAL RESEARCH INSTITUTE

Thomas Aide, Predoctoral Fellow, University of Utah. The interactions of leaf phenology and insect herbivory with Egbert Leigh, from November 1, 1985 to March 31, 1986 and November 1, 1986 to March 31, 1987.

Jeffrey Brawn, Visiting Scientist, Northern Arizona University. The relationship between arthropod abundance and avian community structure in tropical forests, with James Karr, from January 20, 1986 to March 15, 1987.

Edward Allen Herre, Predoctoral Fellow, University of Iowa. The implications of reproductive allocation patterns for the coevolution of figs and fig pollinating wasps with Egbert Leigh and Donald Windsor, from March 10 to July 10, 1986 and January 1 to August 30, 1987.

Emilio Herrera, Postdoctoral Fellow, Oxford University, England. Social behavior and ecology of the Panamanian Capybara with Nicholas Smythe, from August 1, 1986 to July 31, 1987.

Jerome Howard, Postdoctoral Fellow, University of Iowa. Effects of recruitment and resource quality on persistence of leaf-cutting ants (Atta) with Stephen Hubbell, from January 1 to December 31, 1986.

Kaoru Kitajima, Graduate Student Fellow, University of Illinois. Comparative study of photosynthetic and growth characteristics of neotropical tree seedlings with Alan Smith, from May 27 to August 1, 1986.

Sonia Ortega, Noyes Postdoctoral Fellow, University of South Carolina. Distribution and abundance of rocky intertidal organisms on the Caribbean coast of Panama with Jeremy Jackson, from September 1 to November 30, 1986.

Raymond Peterson, Faculty Fellow, Howard University. Salinity tolerance assessments of the mangrove ferns Acrostichum aureum and A. danaeifolium of Panama with Alan Smith, from June 1 to July 31, 1986.

Guadalupe Williams-Linera, Noyes Predoctoral Fellow, University of Florida. Tropical edge vegetation and the effect of proximity to the edge on forest structure with Alan Smith and James Karr, from September 1, 1986 to August 31, 1987.

Janie Wulff, Postdoctoral Fellow, Yale University. Sponge-feeding fishes and the distribution, abundance and color of tropical demosponges with Ross Robertson, from March 1, 1986 to February 28, 1987.

## INTERNSHIPS AND OTHER STUDENT APPOINTMENTS

The Smithsonian offers internships and other appointments to visiting graduate and undergraduate students. The persons—listed by bureau, office, or division—in this Appendix began their appointments between October 1, 1985 and September 30, 1986. Holders of special awards and participants in special programs are so listed. The institutions attended, the title or a brief description of the project undertaken, where appropriate, and the name of the Smithsonian supervisor are given for each of the interns.

### SMITHSONIAN ENVIRONMENTAL RESEARCH CENTER

- Anneta Argyres, B.S. Candidate, Brown University. Two spectrs of benthic patchiness in the Rhode River Estuary, with Dr. Anson Hines, from February 10, 1986 through May 16, 1986.
- Beth Bachur, B.S., University of Maryland. Tidal exchange of nutrients by brackish marshes, with Dr. Dennis Whigham, from March 10, 1986 through August 1, 1986.
- 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 July 28, 1986 through September 30, 1986.
- Sybil Carrere, Volunteer Research Assistant, University of California at Irvine. Estuarine ecology and physiological and psychological aspects of stress, with Dr. Anson Hines, from March 1, 1986 through February 28, 1987.
- Kristin Churchill, B.S. Candidate, University of Wisconsin at Madison. An interpretation of otoliths to determine age of Fundulus, with Dr. Anson Hines, from June 2, 1986 through August 22, 1986.
- John Craig, B.S. Towson State University. Temporal patterns of fish abundances in Muddy Creek, with Dr. Anson Hines, from February 10, 1986 through May 16, 1986.
- Carla Daniels, B.S. Candidate, Jacksonville University. Dry deposition versus acid rain leaching from the forest canopy, with Dr. David Correll, from June 16, 1986 through August 22, 1986.
- Mary D'Imperio, Volunteer Research Assistant, Bamboo Physiology, with Dr. Gerald Deitzer, from October 1, 1985 through September 31, 1986.
- David Edelman, B.S. Candidate, University of Maryland. Bamboo Physiology, with Dr. Gerald Deitzer, from October 1, 1985 through July 31, 1986.
- Gina Gore, Volunteer Research Assistant. Population and community ecology of estuarine invertebrates and fish, with Dr. Anson Hines, from May 1, 1986 through August 15, 1986.
- James Harbage, M.S. Candidate, Univeristy of Maryland. Effects of light on rooting in plant tissue cultures, with Dr. Gerald Deitzer, from October 1, 1985 through September 31, 1986.
- Suzanne Hill, B.S. Candidate, Towson State University. Edaphic factors contributing to the zonation of salt marsh species, with Dr. Dennis Whigham, from June 2, 1986 through August 22, 1986.
- Robert M. Perez, Volunteer Research Assistant, Chase Manhattan Bank. Population and community ecology of estuarine invertebrates and fish, with Dr. Anson Hines, from September 1, 1986 through September 15, 1986.

SMITHSONIAN TROPICAL RESEARCH INSTITUTE

Program in Tropical Biology

Thomas Mitchell Aide, Predoctoral Fellowship, University of Utah. The Interaction of Leaf Phenology and Insect Herbivory , with Dr. Egbert Leigh, from October 1, 1985 through March 31, 1987.

Victor Apanius, Graduate Student Fellowship, University of Pennsylvania. Incidence of Blood and Intestinal Parasitism in an Insular Avifauna , with Dr. Joseph Wright, from April 6, 1987 through June 12, 1987.

Brian Bock, Postdoctoral Fellowship, University of Tennessee. The Effects of Gene Flow Barriers on the Differentiation of Anolis limifrons Subpopulations in Panama, with Dr. Joseph Wright, from July 15, 1985 through September 30, 1986.

Jeffrey Brawn, Visiting Scientist, Northern Arizona University. The Relationship Between Arthropod Abundance and Avian Community Structure in Tropical Forests, with Dr. James R. Karr, from January 20, 1986 through March 15, 1987.

William Davis, Postdoctoral Fellow, University of Texas at Austin. Evolution of Sex Roles and Mating Strategies in New World Kingfishers , with Dr. Martin Moynihan, from December 1, 1986 through November 30, 1987.

Philip DeVries, Predoctoral Fellowship, University of Texas at Austin. Mutualistic Interactions between Ants, Hostplants, Parasitoids and Two Species of Riodinid Butterflies, with Dr. Donald Windsor, from September 1, 1985 through August 31, 1986.

Theodore Dudley, Postdoctoral Fellow, University of Cambridge, England. Kinematics and Ecology of Flight in Butterflies , with Dr. Donald Windsor, from January 1, 1987 through December 31, 1987.

Edward Allen Herre, Predoctoral Fellowship, University of Iowa. The Reproductive Biology of Figs and Fig Pollinating Wasps , with Drs. Donald Windsor and Egbert Leigh, from March 10, 1986 through August 30, 1987.

Emilio Herrera, Postdoctoral Fellowship, Oxford University. Social Behavior and Ecology of the Panamanian Capybara , with Dr. Nicholas Smythe, from August 1, 1986 through July 31, 1987.

Kevin Hogan, Postdoctoral Fellow, University of Illinois. The Effect of Sunflecks on the Growth and Survival of Tropical Tree Seedlings , with Dr. Alan Smith, from October 1, 1986 through September 30, 1987.

Jerome Howard, Postdoctoral Fellowship, University of Iowa. Effects of Recruitment and Resource Quality on Persistence of Leaf-Cutting Ants (Atta), with Dr. Stephen Hubbell, from January 1, 1986 through December 31, 1986.

Dominique Irvine, Postdoctoral Fellow, Stanford University. Regional Variation in Native Resources Management Practices in the Ecuatorian Amazon, with Dr. Olga Linares, from March 1, 1987 through August 31, 1988.

Kaoru Kitajima, Graduate Student Fellowship, University of Illinois. Comparative Study of Photosynthetic and Growth Characteristics of Neotropical Tree Seedlings on Barro Colorado Island, with Dr. Alan Smith, from May 26, 1986 through August 5, 1986.

Raymond Leo Petersen, Visiting Faculty Fellow, Howard University. Salinity Tolerance Assessments of the Mangrove Ferns Acrostichum aureum and A. danaefolium of Panama, with Dr. Alan Smith, from June 2, 1986 through August 1, 1986.

Hugh P. Sweatman, Postdoctoral Fellow, Macquarie University. Predatory Behaviour of some Coral Reef Fishes: a Field Study, with Dr. Ross Robertson, from February 1, 1987 through January 31, 1988.

Janie Lea Wulff, Postdoctoral Fellowship, Yale University. Sponge-Feeding Fishes and the Distribution, Abundance and Color of Tropical Demosponges, with Dr. Ross Robertson, from March 10, 1986 through March 9, 1987.

#### Other Visiting Scholars

George Angehr, Short-Term Visitor, University of Colorado. Forest Structure in Madagascar, with Dr. Egbert Leigh, from October 1, 1985 through October 27, 1985.

Anthony Coates, Short-Term Visitor, George Washington University. Ecological and Evolutionary Effects of the Closure of the Central American Isthmus on Corals and Coral Reefs, with Dr. Jeremy Jackson, from December 1, 1985 through January 30, 1986.

Carlton Mark Eakin, Short-Term Visitor, University of Miami. The Importance of Damselfish Territorial Aggression on Sea Urchin Bioerosion at El Niño Perturbed Coral Reefs, with Dr. Peter Glynn, from January 8, 1986 through January 20, 1986.

Robert Fleischer, Short-Term Visitor, University of Hawaii. Host Use by the Brood-Parasitic Giant Cowbird, with Dr. Neal Smith, from March 1, 1986 through April 15, 1986.

Ann Foster, Short-Term Visitor, University of Iowa. Growth and Phenotypic Plasticity in Two Families of Reef Corals, with Dr. Jeremy Jackson, from August 1, 1986 through August 22, 1986.

Mary Hagedorn, Short-Term Visitor, Cornell University. Social Communication: Plasticity of Sexually Dimorphic Electric Signals in South American Electric Fish, with Dr. James Karr, from January 1, 1986 through January 31, 1986.



Gilbert Neal Hooker, Short-Term Visitor, University of California, Santa Barbara. Environmental, Biochemical and Genetic Factors Controlling the Reproduction and Recruitment of Panamanian Reef Corals and Associated Fauna, with Drs. Jeremy Jackson and Nancy Knowlton, from April 1, 1986 through April 22, 1986.

Alison Jolly, Short-Term Visitor, Rockefeller University NY. Forest Structure in Madagascar, with Dr. Egbert Leigh, from October 23, 1985 through October 30, 1985.

Hans Malicky, Short-Term Visitor, Biologische Station Lunz, Austria. Ecology and Distribution of Tropical Biotopes of Aquatic Insects, with Dr. Hindrik Wolda, from February 6, 1986 through March 25, 1986.

Immants G. Priede, Short-Term Visitor, University of Aberdeen, United Kingdom. Use of Ultrasonic Transmitters as Means of Monitoring the Cardiac Rate and Electro-Cardiograms of the Sea Snake Pelamis platurus, with Dr. Ira Rubinoff, from March 23, 1986 through March 13, 1986.

Robert F. Stallard, Short-Term Visitor, Princeton University. Weathering and Nutrient Cycling at Barro Colorado Island and the Tropics, with Dr. Egbert Leigh, from April 7, 1986 through June 7, 1986.

#### Other Fellowship Programs

Heinz Enrique Brucher, Senior Sabbatical, Centro Regional de Investigacion Cientifica, Argentina. Useful Plants of Neotropical Origin, with Dr. Gilberto Ocana, from June 1, 1986 through August 31, 1986.

Gonzalo Castro, Noyes Predoctoral Fellow, University of Pennsylvania. Latitudinal Gradient in the Daily Energy Expenditure of the Sanderling (Calidris alba), with Dr. Neal Smith, from November 23, 1986 through February 15, 1988.

Rosendo Fraga, Senior Sabbatical, University of California, Santa Barbara. Behavioral Ecology of Tropical Icterines, with Dr. Neal Smith, from October 18, 1986 through April 13, 1986.

Sonia Ortega, Noyes Postdoctoral Fellowship, University of South Carolina. Distribution and Abundance of Rocky Intertidal Organisms on the Caribbean Coast of Panama, with Dr. Jeremy Jackson, from September 1, 1986 through December 1, 1986.

Guadalupe Williams-Linera, Noyes Predoctoral Fellowship, University of Florida. Tropical Forest Edge Vegetation and the Effect of Proximity to the Edge on Forest Structure, with Drs. Alan Smith and James Karr, from August 1, 1986 through August 1, 1987.

## Short-Term Fellowships in Tropical Biology

Jaime Cavelier, Short-Term Fellowship, Universidad de los Andes, Colombia. Relaciones Hídricas en Especies de un Bosque Nublado y un Bosque Húmedo Estacional, with Drs. Alan Smith and Egbert Leigh, from August 17, 1986 through September 30, 1986.

Timothy Collins, Short-Term Fellowship, Yale University. Evolution of Amphi-American Gastropod Cognates , with Dr. Jeremy Jackson, from January 2, 1986 through April 1, 1986.

Eric E. Gonzalez, Short-Term Research Grant, California State University, Long Beach. The Quantitative Seasonal Fluctuations of Abundance, Diversity and Distribution of Soft-Bottom Intertidal Fauna of the Bay of Panama, with Dr. Jeremy Jackson, from June 28, 1986 through July 25, 1986.

Hector Guzman, Short-Term Fellowship, University of Costa Rica. Changes in the Diet of Arothron meliagrís in the Western Pacific , with Dr. Ross Robertson, from July 24, 1986 through December 24, 1986.

Preston Hardison, Short-Term Fellowship, University of Washington. Environmental Control of Sex Allocation in the Androdioecious Lantern Bass, Serranus baldwini, with Dr. Ross Robertson, from November 15, 1985 through March 15, 1986.

Susan Harrison, Short-Term Fellowship, University of California, Davis. Host Plant Relations and Within Seasonal Population Dynamics of Zunacetha annulata on Hybanthus prunifolia, with Dr. Henk Wolda, from June 25, 1986 through August 7, 1986.

Linden Higgins, Short-Term Fellowship, University of Texas. Environmental Factors Affecting Individual Behaviors and Population Dynamics of Orb-Web Spider, Nephila clavipes, with Dr. Henk Wolda, from March 9, 1986 through June 6, 1986.

Audrey Liese, Short-Term Fellowship, University of Vermont. The Impact of Soil Parasites on the Establishment of Calophyllum longifolium Seedlings, with Dr. Joseph Wright, from July 16, 1986 through October 15, 1986.

Robin Manasse, Short-Term Fellowship, University of California. Variation in Seed Size and Fertilization in Crinum erubescens (Amaryllidaceae) , with Dr. Joseph Wright, from August 4, 1986 through November 16, 1986.

Carole McIvor, Short-Term Fellowship, University of Virginia. Stegastes leucostictus Relative Abundance and Distribution: the Role of Competition, with Dr. Ross Robertson, from October 1, 1986 through January 1, 1987.

Veselin Miscovic, Short-Term Fellowship, Edvark Kardelj University. Las Interacciones Iconograficas y Estilísticas entre la Cerámica y la Orfebrería de la Baja Centroamérica: Aproximación Histórica-Artística, with Dr. Richard Cooke, from November 17, 1985 through February 17, 1986.

Paul Rich, Short-Term Fellowship, Harvard University. Hemispherical Photographic Techniques for Assessing Forest Understory Light Environment, with Dr. Alan Smith, from November 25, 1985 through April 10, 1986.

Eugene Schupp, Short-Term Fellowship, University of Iowa. Ecological Consequences of Variable Reproduction in Faramea occidentalis, with Dr. Egbert Leigh, from May 15, 1986 through August 14, 1986.

Kyle Summers, Short-Term Fellowship, University of Michigan. Mating and Parental Behavior in the Poison Arrow Frog, Dendrobates auratus, with Dr. Nancy Knowlton, from June 2, 1986 through August 30, 1986.

Ethel M. Villalobos, Short-Term Fellowship, University of California, Los Angeles. Variation in Provisioning Tactics among Females Stictia heros (Hymenoptera: Sphecidae), with Dr. William Eberhard, from January 1, 1987 through March 31, 1987.

William Weislo, Short-Term Fellowship, University of Kansas. The Social Behavior and Nesting Biology of Tropical Halictid Bees, with Drs. William Eberhard and Mary Jane West-Eberhard, from December 1, 1985 through May 15, 1986.

#### Exxon Fellowship & Assistantship Program

Pablo Acuña, Exxon Assistantship, University of Costa Rica. Illustrated Flora of Seedlings of Panamanian Tropical Moist Forest, with Special Emphasis on Barro Colorado, with Dr. Nancy Garwood, from March 15, 1986 through June 7, 1986.

Jesus Alemanca, Exxon Fellowship, University of Panama. La Colonizacion Campesina de la Selva Tropical del Darien y su Repercusion en las Comunidades Indigenas, with Dr. Olga F. Linares, from February 15, 1986 through August 15, 1987.

Onel A. Arias, Exxon Fellowship, Universidad de Panama. Analisis Hidrografico del Rio Carti Dumat, Kuna Yala, with Dr. James Karr, from August 15, 1986 through February 15, 1987.

Ricardo Caicedo, Exxon Fellowship, Universidad de Panama. Distribucion y Aspectos Taxonomicos de los Moluscos Marinos del Archipelago de Las Mulatas, Kuna Yala (continuation of study), with Dr. Harilaos Lessios, from March 1, 1986 through August 31, 1986.

Ada Ruth Castillo O., Exxon Assistantship, Universidad Mayor de San Marco, Peru. The Reproductive Biology and Breeding Structure of Erythrina costaricensis, with Dr. Lyn Loveless, from September 10, 1986 through December 10, 1986.

Belgis Chial, Exxon Assistantship, University of Panamá. Ecology and Larval Biology of Symbiotic Shrimp Species , with Dr. Nancy Knowlton, from May 19, 1986 through August 19, 1986.

Fernando Cornejo, Exxon Assistantship, Universidad Nacional Agraria La Molina, Peru. Litterfall Study on Barro Colorado Island , with Dr. Joseph Wright, from December 11, 1985 through May 3, 1986.

Silvia Farrugia, Exxon Assistantship, Universidad de Panama. Temporal Dynamics and Interaction of Tropical Frugivores and their Fruit Plants, with Dr. Thomas Martin, from February 17, 1986 through May 9, 1986.

Yolanda Betsabe Figueroa, Exxon Fellowship, Universidad de Panama. Dispersion Natal de la Especie Tropical de Ruiseñor Troglodytes aedon , with Drs. Neal Smith and Leonard Freed, from November 15, 1985 through March 15, 1986.

Carlos Alberto Gomez, Exxon Assistantship, Akademia Rolnicza, Poland. Study of the Impact of Soil Parasites on the Establishment of Calophyllum longifolium Seedlings, with Audrey Liese and Dr. Joseph Wright, from August 8, 1986 through October 31, 1986.

Adela Grimaldo, Exxon Assistantship, Universidad de Panamá. Study of Temporal Patterns of Larval Recruitment , with Dr. Ross Robertson, from February 24, 1986 through May 20, 1986.

Manuel Guariguata, Exxon Assistantship, Universidad Simon Bolivar, Venezuela. Responses of Understory Herbs to Environmental Fluctuations , with Dr. Alan Smith, from June 2, 1986 through August 1, 1986.

Tomás Gutierrez, Exxon Assistantship, Universidad de Panama. Rionid Butterfly Larvae and Ant Associations , with Dr. Philip DeVries, from March 10, 1986 through October 1, 1987.

Allan Heres, Exxon Assistantship, Oregon State University. Study of Temporal Patterns of Larval Recruitment , with Dr. Ross Robertson, from February 3, 1986 through February 28, 1986.

Santiago Madriñan, Exxon Assistantship, Universidad de Los Andes, Colombia. Sex Change in the Orchid, Catasetum viridiflavum , with Jess Zimmerman, from June 2, 1986 through November 30, 1986.

Julian Monge, Exxon Fellowship, Universidad de Costa Rica. Defense of Perching Microhabitat by Hamadryas Butterflies (Nymphalidae: Nymphalinae), with Dr. Donald Windsor, from December 14, 1985 through February 15, 1986.

Graciela Palacios, Exxon Fellowship, Universidad de Panama. Distribución y Aspectos Taxonómicos de las Algas Chlorophytas Macroscópicas en el Archipiélago de Las Mulatas, with Dr. John Cubit, from February 15, 1986 through August 15, 1986.

Diogenes Riley, Exxon Assistantship, Universidad de Panama. Population Ecology of Terrestrial Insectivorous Birds of Tropical Forests , with Kathryn Sieving, from July 1, 1986 through August 12, 1986.

Gustavo Rodriguez, Exxon Assistansthip, Universidad Simon Bolivar, Venezuela. Colonization of New Iguana Nesting Sites , with Dr. Brian Bock, from April 21, 1986 through July 21, 1986.

Zoila Romero, Exxon Assistantship, Universidad de Guayaquil, Ecuador. Measurement of Localized Larval Dispersal in a Complex of Alpheid Shrimp Species Symbiotically Associated with Caribbean Anemone Bartholomea annulata, with Dr. Nancy Knowlton, from August 11, 1986 through November 11, 1986.

Myozotis I. Ryfkgogel, Exxon Fellowship, Universidad de Panama. Dispersion Natal de la Especie Tropical de Ruiseñor Troglodytes aedon , with Drs. Neal Smith and Leonard Freed, from November 15, 1985 through June 30, 1986.

Belis Serrano, Exxon Fellowship, Universidad de Panama. Composición Química de Mielles Producidas por Apis mellifera adansonii , with Dr. César Villarreal, from November 30, 1986 through August 28, 1986.

Gonzalo Tapia, Exxon Assistantship, Universidad de Panamá. Studies on Shellfish Consumed by Pre-Columbian Populations in the Bay of Parita, with Dr. Richard Cooke, from February 17, 1986 through May 9, 1986.

Anabel Tatis, Exxon Assistantship, Pontificia Universidad Javeriana, Colombia. Experimental Exploration of the Mortality of the Lizard Anolis limifrons , with Dr. Robin Andrews, from June 23, 1986 through August 15, 1986.

Marcos Tem, Exxon Assistantship, Universidad de Panama. Composición Química de Mielles Producidas por Apis mellifera adansonii , with Dr. Cesar Villarreal, from November 1, 1986 through August 28, 1986.

Isabel Urreiztieta, Exxon Assistantship, Universidad Central de Venezuela. The Population Biology of Acropora cervicornis , with Dr. Nancy Knowlton, from January 15, 1986 through April 15, 1986.

Ivan Valdespino, Exxon Fellowship, Universidad de Panama. Estudio Sistemático de los Helechos de Cerro Jefe , with Prof. Mireya Correa, from June 1, 1986 through December 1, 1986.

#### Volunteers

Claudia Alderman, worked for Dr. Stephen Hubbell for four months.

Laura Majors, worked for Dr. Harilaos Lessios for two months.

Laurie Sanders, worked for Dr. Stephen Hubbell for eight months.

CENTER FOR ASIAN ART: ARTHUR M. SACKLER GALLERY and  
FREER GALLERY OF ART

Sabra Feldman, University of Michigan Fellow, M.A. candidate, University of Michigan. "Japanese Textiles: The Smithsonian's Perry Expedition's Japanese Textiles," with Ann Yonemura and Louise A. Cort, January 15 through June 26, 1986.

Mary Martin, Smithsonian Intern, B.A. candidate, Sarah Lawrence College, "Internship in Museum Studies," with Susan Bliss and Linda Merrill, June 16 through August 29, 1986.

James Thompson, Smithsonian Webb Fellow, Ph.D. candidate, University of Pennsylvania. "Vever Collection," with Dr. Glenn Lowry, June 1 through August 23, 1986.

James Wescoat, Rockefeller Foundation Resident Fellowship in the Humanities, Assistant Professor of Geography, University of Chicago. "In Gardens Watered by Running Streams: The Meanings of Water in Mughal Gardens at Agra," April 1 through September 16, 1986.

Richard Wilson, Smithsonian Post-doctoral Fellow, Rice University. "Ceramics, Calligraphy and Painting of Ogata Kenzan," with W. Thomas Chase, Louise A. Cort and Ann Yonemura, June 30, 1985 through May 23, 1986.

CONSERVATION ANALYTICAL LABORATORY

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

Lynn Brostoff, Conservation Intern, New York University, Work and Study in Paper Conservation, with Timothy J. Vitale and Dianne van der Reyden, from September 15, 1986 to August 15, 1987.

Ann Boulton, Postgraduate Conservation Intern, State University College at Buffalo, NY., Art Conservation Department. Special Projects in Objects Conservation, with Carol A. Grissom, from September 15, 1986 through September 15, 1987.

Veletta Canouts, Ph.D., Visiting Scholar, Southern Illinois University. Hopi Social Boundary Maintenance and Exchange Relationships, AD: 1300-1600, with Ronald L. Bishop, from September 1, 1985 through August 31, 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., from October 1, 1985 through December 31, 1986.

Rosemary Gianno, Ph.D., Wenner-Gren Postdoctoral Fellow, Yale University, New Haven, CT. The Analysis of Identification of Southeast Asian Resins, with David Von Endt, from February 1, 1986 through January 31, 1987.

- Lisa Goldberg, Conservation Intern, Institute of Fine Arts, New York University, Work and Study in Objects Conservation, with Carol A. Grissom, from January 1, 1986 to June 30, 1986.
- Susan Hobbs, Ph.D., Research Associate, Cornell University at Ithaca, NY. Neutron induced Augo Radiology of Paintings by Thomas Wilmer Dewing, with Y. Cheng, from October, 1983 through October, 1986.
- Elsje Jenssen, Conservation Intern, Tapestry Conservator, Ovdenaarde, Belgium. Civil War Flags Preservation Project, with Mary W. Ballard, from June 30, 1986 through August 22, 1986.
- Diane Kessler, Conservation Intern, University of Alberta, Alberta, Canada. Civil War Flag Preservation Project, with Mary W. Ballard, from June 30, 1986 through September 5, 1986. The Identification of Dyes on Historic Textiles; The Preparation of Standard Dyeings, with Mary W. Ballard and David Von Endt, from September 8, 1986 through September 19, 1986.
- Vassilis Kilikoglou, Ph.D., Visiting Scientist, International Atomic Energy Agency Fellow, Demokritos, Greece. Work and Study in the Field of Analytical Chemistry, with Edward V. Sayre from October, 1985 to April, 1986.
- Teresa Knutson, Visiting Conservator, Disperse Dyes for Textile Conservation, with Mary W. Ballard, from May 12, 1986 to May 16, 1986.
- Sophie Mèry, Pre-Doctoral Visiting Scientist, Université de Paris, France. Ceramic Production in the Oman Peninsula from the perspective of Capital Hili, with M. James Blackman, from May, 1986 to June, 1986.
- 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.
- Jane E. Sugarman, Conservation Intern, University of Delaware, Art Conservation Department. Work and Study in Paper Conservation, with Timothy J. Vitale and Dianne van der Reyden, from September 15, 1985 through August 15, 1986.
- Elizabeth Tait, Conservation Intern, University of Toronto, Ontario, Canada. Natural Dyeing Research Project, with Mary W. Ballard, from June 9, 1986 through August 15, 1986.
- Lisa Thorson, Conservation Intern, University of Nebraska, Natural Dyeing Research Project, with Mary W. Ballard, from June 9, 1986 through August 15, 1986.
- 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.

Ameen, Souhad, M.A. candidate, Virginia Commonwealth University. Work and study in the Registrar's Office, with Cordelia Rose, from August 30 1985 to October 31, 1985.

Baskerville, Jennifer, SI Minority Fellowship, B.A. Candidate, Smith College. Work and study in the Registrar's Office, with Cordelia Rose, from June 9, 1986 to August 15, 1986.

Bell, Jennifer, B.A. Candidate, Carnegie Mellon. Work and study in the Special Events Office, with Elizabeth Hall, from June 9, 1986 to August 15, 1986.

Bellard Anna, John L. Miller North Senior High. Work and study in the Library and Exhibitions Office, with K. Martinez and D. Glubus, from February 3, 1986 to May 18, 1986.

Fremantle, Christopher, B.A. Candidate, Aberdeen University. Work and study in the Director's Office, with Larry Deemer, from June 11, 1986 through August 15, 1986.

Freudenthal, David, B.A. Candidate, Vassar College. Work and study in the Public Affairs Office, with Arthur Lindo, from June 9, 1986 to August 15, 1986.

Goodspeed, Mary Todd, B.A. Candidate, Connecticut College. Work and study in the Public Affairs Office, with Michele Raphoon, from January 6, 1986 to February 5, 1986.

Hamilton, Timothy, Sidney and Celia Siegel Fellow, B.A. Candidate, Williams College. Work and study in the Exhibitions Office, with Dorothy Globus, from June 9, 1986 to August 15, 1986.

Handelsman, Miriam, Sidney and Celia Siegel Fellow, B.A., Trinity College. Work and study in the Textiles Office, with Ysabella Hincapie, from June 9, 1986 to August 15, 1986.

Hein, Jennifer, M.A. Candidate, Montclair State College. Work and study in the Textile Office, with Ysabella Hincapie, from January 29, 1986 to May 31, 1986.

Lee, Eric, Sydney and Celia Siegel Fellow, B.A. Candidate, Vassar College. Work and study in the Drawings and Prints Office, with Elaine Dee, from June 9, 1986 to August 15, 1986.

Lestage, Julia, B.A. Candidate, Wells College. Work and study in the Drawings and Prints Office, with Elaine Dee, from January 6, 1986 to February 15, 1986.

Loost, Nicola, B.A. Candidate, The American College in Paris. Work and study in the Publications Office, with Nancy Aakre, from June 9, 1986 to August 15, 1986.

Mergler, Julia, B.A. Candidate, Concordia University. Work and study in the Development Office, with George Nichols, from June 9, 1986 to August 15, 1986.



Meyer, Jochen, Berlin, Technische Universitat. Work and study in the Drawings and Prints Office, with Elaine Dee, from February 24, 1986 to April 5, 1986.

Micek, Ann, B.A. Candidate, Rhode Island School of Design. Work and study in the Textile Office, with Lucy Commoner, from June 2, 1986 to August 15, 1986.

Monteleoni, Carol, B.A. Harvard University. Work and study in the Textile Conservation Office, with Lucy Commoner, from January 21, 1986 to September 30, 1986.

Morris, Laura, B.A. Candidate, Washington University. Work and study in the Library, with Kathy Martinez, from June 9, 1986 to August 15, 1986.

Prevost, Catherine, B.A. Candidate, Wellesley College. Work and study in the Exhibitions Office, with Dorothy Globus, from January 6, 1986 to February 15, 1986.

Reed, Charlotte, R., B.A. Candidate, LaFayette College. Work and study in the Exhibitions Office, with Dorothy Globus, from September 19, 1985 to December 31, 1985.

Schwartz, Kara, B.A. Candidate, Colby College. Work and study in the Programs Office, with Susan Yelavich, from January 6, 1986 to February 15, 1986.

Sweetser, Susann, B.A. College of William and Mary. Work and study in the Programs Office, with Susan Yelavich, from July 1, 1985 to December 31, 1985.

Taggart, Arabelle, J., Kimbolton School, England. Work and study in the Decorative Arts Office, with David McFadden, from November 4, 1985 to December 31, 1985.

Urbanelli, Elisa, M.A. Candidate, Yale University. Work and study in the Decorative Arts Office, with David McFadden, from June 9, 1986 to August 15, 1986.

Vogel, Elaine, C., B.A. Indiana University. Work and study in the Public Affairs Office, with Isabelle Silverman, from September 5, 1985 to December 31, 1985.

Yang, MeiPu, Sidney and Celia Siegel Fellow, B.A. Candidate, University of Pennsylvania. Work and study in the Business Office, with William Gaske, from June 9, 1986 to August 15, 1986.

## HIRSHHORN MUSEUM AND SCULPTURE GARDEN

Michael Fitzpatrick, B.A. Candidate, Brown University. Work and study with Teresia Bush, Department of Education, from June 16 through August 22, 1986.

Bruce Lineker, B.A., Duke University. Work and study with Joseph Shannon, Department of Exhibits and Design, from June 9 through August 15, 1986.

Margot McIlwain, B.A. Candidate, Smith College, Smithsonian Institution American Studies Program Intern. The Arthur B. Davies Collection of the Hirshhorn Museum, with Dr. Judith Zilczer, Department of Painting and Sculpture, from September 1 through December 18, 1985.

Sharan Appa Rao, Madras, India. Work and study with Edward P. Lawson, Department of Education, from June 9 through August 8, 1986.

## NATIONAL AIR AND SPACE MUSEUM

James Baker, J.D. candidate, University of Michigan, with Mr. Martin Collins, Department of Space Science and Exploration, from June 16 through August 22, 1986.

Edward Brown, Jr., B.A. candidate, University of Maryland, with Ms. Susan Ewing, Information Management Division, Archival Support Center, from May 28 through September 9, 1986.

Adama Conteh, B.A. candidate, Howard University, with Mr. Martin Collins, Department of Space Science and Exploration, from January 13 through May 16, 1986.

Timothy Carter, B.A. candidate, Appalachian State University, with Mr. Walter Roderick, Paul E. Garber Preservation, Restoration, and Storage Facility, from June 10 through August 15, 1986.

Dennis Dearnbarger, M.S. candidate, University of Illinois, with Mr. Harry Heiss, Information Management Division, from June 9 through August 15, 1986.

Thomas Dietz, B.A. candidate, University of Virginia, with Dr. Von Hardesty, Department of Aeronautics, from June 9 through August 15, 1986.

Susan Harrison, B.A. candidate, Hood College, with Ms. Mary Henderson, Department of Exhibits, Art Unit, from June 9 through August 5, 1986.

Barbara Irwin, M.A. candidate, George Washington University, with Mr. Dominick Pisano, Department of Aeronautics, from August 24 through December 10, 1986.

William Kirschner, B.A. candidate, State University of New York at Binghamton, with Ms. Kathleen Brooks-Pazmany, Department of Aeronautics, from July 13 through August 15, 1986.

Mei Lin Kwan-Gett, B.A. candidate, Harvard-Radcliffe College, with Ms. Kasse Andrews-Weller, Office of Education, from June 9 through August 22, 1986.

Erik Ledbetter, B.A. candidate, Johns Hopkins University, with Dr. Joseph Tatarewicz, Department of Space Science and Exploration, from June 9 through August 15, 1986.

Beth Parkhurst, Ph.D. candidate, Brown University, with Dr. Paul Ceruzzi, Department of Space Science and Exploration, from June 2 through August 8, 1986.

Brian Powell, B.S. candidate, Cornell University, with Dr. Thomas Watters, Center for Earth and Planetary Studies, from June 9 through August 15, 1986.

Paul Silbermann, B.A. candidate, University of Maryland, with Ms. Susan Ewing, Information Management Division, Archival Support Center, from June 19 through August 30, 1986.

Karl Werner, B.A. candidate, Villanova University, with Mr. Frank Florentine, Department of Exhibits, Audiovisual Unit, from July 13 through August 15, 1986.

#### High School Interns

William Conn, High School candidate, McComb High School, with Ms. Monica Knudson, Library, from June 9 through July 11, 1986.

Christopher Gordon, High School candidate, Greenhills School, with Ms. Kathleen Brooks-Pazmany, Department of Aeronautics, from May 15 through June 5, 1986.

Angelina Han, High School candidate, Madeira School, with Mr. Dana Bell, Information Management Division, from February 5 through May 30, 1986.

Arnold Kemp, High School candidate, Boston Latin School, with Ms. Mary Henderson, Department of Exhibits, Art Unit, from June 9 through July 12, 1986.

Ornetta Noville, High School candidate, Ballou Senior High School, with Ms. Betty Bibb, Samuel P. Langley Theater, from June 30 through August 15, 1986.

Helaine Osternick, High School candidate, Madeira School, with Mr. Dana Bell, Information Management Division, from January 15 through May 21, 1986.

## Academic and Research Training Appointments

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

### NATIONAL MUSEUM OF AFRICAN ART

Adrienne Morris, Georgetown University. Work with the Registrar's Office, from May 19 through August 19, 1986.  
Kimberly Taylor, University of Montana. Work with the Eliot Elisofon Photographic Archives, from January 7 through March 21, 1986.  
Karen Shemet, American University. Work with Warren Robbins, Director Emeritus, from January 30 through April 17, 1986.

### NATIONAL MUSEUM OF AMERICAN ART

#### University Interns

Constance Badowsky (Indiana University). January 13-April 18, 1986.  
George Benot (Howard University). January 13-April 18, 1986.  
Laura Brunjes (Smith College). September 9-December 6, 1985.  
Diana Gaston (University of Kansas). September 9-December 6, 1985.  
Tonia Horton (William and Mary College). January 13-April 18, 1986.  
Kathleen Howe (University of Southern California in Los Angeles). July 1 -October 31, 1985.  
Alice Montag (Wellesley College). September 9, 1985-April 18, 1986.  
Margaret Moore (George Washington University). September 9, 1985-April 18, 1986.  
Edie Rogat (University of Virginia). September 9, 1985-April 18, 1986.  
Virginia Tate (University of the South). September 9, 1985-April 18, 1986.  
Shannon Thompson (exceptional high school graduate from Camden-Rockport High School, Maine). September 9, 1985-April 18, 1986.

#### Summer Interns

Sara Baker (Haverford College). June 2-July 25, 1986.  
Myra Merritt (University of Michigan). June 16-August 22, 1986.  
Marianna Robin (DePaul University). June 2-July 25, 1986.  
Ann Rubin (Claremont Men's College). June 2-July 25, 1986.  
Karen Snead (University of South Florida). June 2-July 25, 1986.  
Cheryl Sutton (Temple University). June 16-August 22, 1986.  
Terrance Starr (Teacher, Fremont High School, Oakland Calif.). Intern Appointment, July 7-August 1, 1986.  
Peter Wilson (Kenyon College). June 2-July 25, 1986.

## NATIONAL PORTRAIT GALLERY

Charlotte Brody, Graduate, George Washington University. Wrote program notes for Portraits in Motion: The Exploring Personality, "Stormy Petrel," with Kenneth Yellis, Department of Education, from September 5, 1986 through December 31, 1986.

Jenifer Browning, Undergraduate, Brigham Young University. Made checklists of illustrations related to the Office of Publications, with Frances Wein, Office of Publications, from July 28, 1986 through October 5, 1986.

Stephen DeBacker, High School Student, Thomas More Prep. Updated biographical files related to the Office of the Historian, with James Barber, Office of the Historian, from June 6, 1986 through July 11, 1986.

Mary Fearon, Undergraduate, College of Wooster (Ohio). Performed research on the American portraits which were included in the 1983 Chicago World's Fair, with Carolyn Carr, Assistant Director for Collections, from May 20, 1986 through August 29, 1986.

Cynthia S. Fitzgibbons, Graduate, George Washington University. Conducted research on the Charles Willson Peale Papers, with Lillian Miller, Peale Papers, from January 14, 1986 through April 18, 1986.

Susan Reed Foster, Undergraduate, Yale University. Researched the American portraits painted by Anders Zorn, with Carolyn Carr, Assistant Director for Collections, from June 30, 1986 through September 2, 1986.

Vivien Mary Green, Undergraduate, University of California at Santa Cruz. Helped develop Portraits in American Jazz series, wrote program notes for the concerts and assisted the Department of Education in coordinating summer activities, with Kenneth Yellis, Department of Education, from July 1, 1986 through August 31, 1986.

Irene Groote, Undergraduate, Smith College. Cataloged portrait data, made computer data entries and researched portrait information, with Richard Doud, Catalog of American Portraits, from January 6, 1986 through January 24, 1986.

Ronald M. Joseph, Undergraduate, Howard University. Served as assistant researcher and editor of the Charles Willson Peale Papers, with Lillian Miller, Peale Papers, from January 13, 1986 through August 15, 1986.

Jennifer Korbet, High School Student, St. Agnes School. Performed biographical research on the American sitters of Anders Zorn and researched some aspects of the permanent collection, with Carolyn Carr, Assistant Director for Collections, from May 19, 1986 through August 31, 1986.

Kelly Kramer, High School Student, St. Agnes School. Conducted biographical research on the American sitters of Anders Zorn, with Carolyn Carr, Assistant Director for Collections, from May 19, 1986 through May 30, 1986.

Dick Levinson, Graduate, California State University at Sacramento. Wrote program notes for Portrait in Motion: The Exploring Personality, "A Brave Man's Part" and assisted in the organization of the Portraits in American Jazz concert series, with Kenneth Yellis, Department of Education, from August 31, 1986 through October 31, 1986.

M. Terrence McKay, Graduate, University of Maryland. Researched "The Gilded Age" through the works of the American artist Sanford Robinson Gifford, with Lillian Miller, Peale Papers, from November 11, 1985 through August 30, 1986.

Barbara Overdier, Undergraduate, St. Olaf College. Researched and updated biographical files of American portraits related to the permanent collection files in the Office of the Historian, with James Barber, from January 1, 1986 through January 27, 1986.

Belen Ponferrada, Undergraduate, George Washington University. Assisted in researching the biographical files of the permanent collection in the Office of the Historian, with James Barber, Office of the Historian, from January 28, 1986 through April 17, 1986.

Andrew Sobchak, Undergraduate, University of Cincinnati. Researched and verified art historical information for checklist for publications, with Monroe Fabian, Associate Curator of Paintings/Sculpture, from July 14, 1986 through November 1, 1986.

Ariane M. Trifunovic, Graduate, George Washington University. Developed and conducted formative evaluation of the Portraits in Motion Program, and assisted the Education Department with numerous tasks related to public programming, with Kenneth Yellis, Department of Education, from January 13, 1986 through April 18, 1986.

Robert Urstein, Undergraduate, Claremont McKenna College. Updated biographical files on sitters and contributors to the permanent collection, with James Barber, Office of the Historian, from May 5, 1986 through August 6, 1986.

Roy Williams, High School Teacher at Wando High School, Mount Pleasant, South Carolina. Worked with South Carolina portraits from the permanent collection and developed a program based on that research for high school students.

Cynthia Wilson, High School Student, Parkside High School. Catalogued library materials and performed other duties necessary for library maintenance, with Cecilia Chin, Librarian, from June 9, 1986 through July 11, 1986.

#### OFFICE OF HORTICULTURE

Christopher Dodson, Office of Horticulture Intern, Washington College, Chestertown, MD. Work and study in a plant collection greenhouse, with August A. Dietz IV, Greenhouse-Nursery Division from May 19, 1986 through August 15, 1986.

Isaac Fong, Office of Horticulture Intern, University of California-Davis. Work and study in a museum horticulture office, with Kathryn Meehan, Historic Horticulture Division from May 13, 1986 through November 21, 1986.

Lydia Koenig-Brock, Office of Horticulture Intern, Russell Sage College, Troy, NY. Work and study in a plant collection greenhouse, with August A. Dietz IV, Greenhouse-Nursery Division from May 19, 1986 through August 20, 1986.

Leslie Firl, Office of Horticulture Intern, Gallaudet College. Work and study in a plant collection greenhouse, with August A. Dietz IV, Greenhouse-Nursery Division from June 18, 1986 through August 22, 1986.

Brian Young, Office of Horticulture Intern, Forest Hill, Louisiana. Work and study in a plant collection greenhouse and on museum grounds, with August A. Dietz and Kenneth Hawkins, Greenhouse-Nursery Division and Grounds Management Division from June 9, 1986 through July 11, 1986.

OFFICE OF FOLKLIFE PROGRAMS

- Edward Ayom, Ph.D. candidate, University of New York. Conduct research on linguistic and pedagogic exegesis of some (Jieng) Dinka tongue twisters, riddles, and song and dance games, with Peter Seitel, from June 30 through September 5, 1986.
- Herman Beavers, Ph.D. candidate, Yale University. Analyze and catalogue tapes from the Festival of Black Storytelling, with Peter Seitel and Phyllis May-Machunda, from June 30 through August 15, 1986.
- Olivia Cadaval, Ph.D. candidate, George Washington University. Research and index ethnographic material on Hispanic performers at the Festival of American Folklife, with Peter Seitel, from September 8 through November 28, 1986.
- Francesca Cappelletto, M.A. candidate, University of North Carolina, Chapel Hill. Analyze the Festival of American Folklife and its ramifications from a theoretical perspective, with Peter Seitel, from September 15 through November 21, 1986.
- Cecily Cook, B.A., Brown University. Conduct archival work and accession family folklore materials, with Richard Derbyshire, from December 3, 1985 through June 1, 1986.
- Todd DeGarmo, Ph.D. candidate, George Washington University. Conduct photographic research for the Festival of American Folklife Japan Program, with Alicia Gonzalez, from January 3 through July 20, 1986.
- Martha Oyler, M.A., George Washington University. Research various types of programs implemented by the Office, from conception to public presentation, with Marjorie Hunt, from June through September, 1986.
- Carlos Perez, Ph.D. candidate, University of California, Los Angeles. Assist with the Columbian Quincentenary Project, with Alicia Gonzalez, from July 7 through September 26, 1986.
- Margaret Wade-Lewis, Ph.D. candidate, State University of New York, New Paltz. Analyze and catalogue tapes from the Festival of Black Storytelling, with Peter Seitel and Phyllis May-Machunda, from July 1 through August 29, 1986.

OFFICE OF MUSEUM PROGRAMS

Internships in Museum Practices Program

Caroline Alyea (graduate, Princeton Univ.) NMAH	Cecilly Cook (graduate, Brown University) OFP
Nicole Arena (Guilford College) OPA	Andrew Csont (SUNY, Oswego) NMAH
Connie Badowski (Indiana University) NMAA	Jolene Dancy (JFK University) SI-OR
Elizabeth Bailey (graduate, Vassar College) NMNH	Lisa Daniels (Albright College) NMAH
Mohamed Balahmar (Lamu Museum, Kenya) OMP, NMAH, ANM	Mark Davis (William and Mary) NMAH
Hollye Barrett (Mount Holyoke College) NMAH	Alison Dawe University of Michigan) NMAH
George Benoit (Howard University) NMAA	Deborah Dunn (Bishop Museum, Hawaii) NMNH
Nancy Bercaw (University of Pennsylvania) NMAH	Benjamin Filene (Brown University) NMAH
Maria Bianchini (Natl. Mus. of Hist., Brazil) NMAH	Robin Fogg (George Washington University) OMP
Amy Bix (Princeton University) NMAH	Julia Forbes (Univ. of Calif, Santa Barbara) NNMNH
Marjanna Bogan (Univ. of St. Andrews, U. K.) NMAH	John Foster (Grinnell College) NMAH
Rena Boothe (Institute of Jamaica) NMNH	Lucy Fowler (University of New Mexico) NMNH
Stephanie Botvin (graduate, Washington Univ.) NMAH	Becky Gambrill (Goucher College) NMAH
David Burnhauser (Virginia Commonwealth Univ.) ANM	Kathleen Golden (graduate, Rutgers College) NMAH
Lori Burns (Newbury College) NZP	Vivien Greene (Univ. of Calif. Santa Cruz) NPG
Diane Carson (St. Louis Community College) NMAH	Sharon Harty (Saint Peter's College) OPA
Lila Clark (University of Kansas) DIA-OSP	Carol Hausner (American University) NMAH



Caroline Henry (The College of Wooster) NMAH	Muriel Pouyat (Univ. of the West Indies) NASM
Jenifer Hightower (Southern Methodist University) OMP	Sarah Reenders (Hillsdale College) NMAH
Beverly Johnson (Mount Holyoke College) NMAH	Carolyn Senn (graduate, Univ. of Mass.) NMAH
Sarah Kendall (graduate, Amherst College) NMAH	Gerdur Sigfusson (Hollins College) Museum Shops
Andrew Klafter (George Washington University) NMNH	Regina Souther (College of the Holy Cross) NMAH
Paul Kubik (South Dakota Historical Society) NMAH	David Stevens (University of Minnesota) NMAH
Jean Lewis (Sweetbriar College) RAP	Deborah Stone (George Washington University) OMP
Mary Martin (Sarah Lawrence College) Freer	Barbara Strunk (faculty, DC Public Schools) OMP
Valerie Mathes (Arizona State University) NMAH	Kim Taylor (University of Montana) NMAFA
Teresa McGervey (California University of PA) NMNH	Edward Turner (Emory University) NMNH
Marian Menzel (Montgomery College) OEC	Julia Van Trees (University of Virginia) DIA-OSP
Jennifer Morash (Univ. of Calif. Irvine) OMP	Kristine Wagner (Hope College) NMAH
Elizabeth Nosek (Hamline University) NMAH	Mark Wertheimer (Univ. of Wisconsin, Madison) NMAH
Joe O' Loughlin (Calif. Polytech Univ.) NMAH	Rachel Wiesen (Univ. of Calif. Los Angeles) OMP
Barbara Overdier (St. Olaf College) NPG	Abby Winland (American University) NMAH
Irene Palmer (George Washington University) NMNH	John Worley (Grinnell College) NMAH
Belen Ponferrada (Univ. of the Phillipines) NPG	Mary Wriedt (University of Michigan) OMP

# OFFICE OF MUSEUM PROGRAMS

## Visiting Professionals Program

Gawdat Gabra Abdel-Sayed Coptic Museum Cairo, Egypt	Patricia Butts Columbus Mus. of Arts & Sci. Columbus, Georgia
Isabel Abreu USIS Oporto, Portugal	Pierre Chabot Musee de la Civilisation Quebec, Canada
Paloma Acuna Ministry of Culture Madrid, Spain	Patrice Ceisel Shedd Aquarium Chicago, Illinois
Abdel Salam Bakr Abu Elliel Coptic Museum Cairo, Egypt	Beverly Chico Mizel Museum of Judaica Denver, Colorado
Zahra Al-Ameer Bahrain National Museum Manama, Bahrain	Susan Childs L.A. Childrens Museum Los Angeles, California
Mohamad Said Al Blooshi Gulf Folklore Center Doha, Qatar	Mala Chinoy Sarabhai Community Science Ctr. Ahmedabad, India
Mohammed Al-Farea ARAMCO Dharan, Saudi Arabia	Barbara Coddington Wash. State Univ. Museum Pullman, Washington
Abdullah Aziz Al-Ghunaim ARAMCO Dharan, Saudi Arabia	Codruta Cruceanu National Museum of Art Bucharest, Romania
Ahmed Ali Al-Ibbi Old City of Sanaa Sanaa, Yemen Arab Republic	Alissandra Cummins Barbados Museum & Hist. Soc. Barbados
Abdullah Isa Al-Isa ARAMCO Dharan, Saudi Arabia	John Darby Otago Museum Dunedin, New Zealand
Said Al-Shakouri ARAMCO Dharan, Saudi Arabia	Cietta David-Mensah USIS Monrovia, Liberia
Alberto Angela University of Rome Rome, Italy	Veronique Deschamps USIS Paris, France
David Anderson National Maritime Museum London, England	Marina Desin Drustvo Konavle Konavle, Yugoslavia
Mitsuru Aoki USIS Sapporo, Japan	Joe Devilee Queensland Art Gallery South Brisbane, Australia
Teguh Asmar National Museum Jakarta, Indonesia	Mary Anne Dickerson Roanoke Valley Science Museum Roanoke, Virginia
Pierre Ayamine-Anguiet Natl. Mus. of Arts & Tradition Libreville, Gabon	Deidra Edmond-Webber Grand Rapids Public Museum Grand Rapids, Michigan
Catherine Bonnefoy Museum of Natural History Paris, France	Denise Ellis High Museum Atlanta, Georgia

Ibrahim El-Nawawy  
 Cairo Museum  
 Cairo, Egypt  
 Eduardo Faith  
 Museum of the Central Bank  
 San Jose, Costa Rica  
 Nancy Fister  
 The Bowers Museum  
 Santa Ana, California  
 Lawrence Foanaota  
 National Museum  
 Honaria, Solomon Islands  
 Mohamad Safa Ghannoum  
 Directorate of Museums  
 Damascus, Syria  
 Florencia Garcia  
 Honduran Inst. Hist. & Anth.  
 Tegucigalpa, Honduras  
 Amy German  
 Morris Museum  
 Morristown, New Jersey  
 Monica Gili  
 Museum Department of Barcelona  
 Barcelona, Spain  
 Myrtle Glascoe  
 Avery Research Center for  
 Afro-American Hist. & Culture  
 Charleston, South Carolina  
 Denise Glover  
 Natl. Afro-American Museum  
 Columbus, Ohio  
 Jan Goffney  
 Detroit Public Schools  
 Detroit, Michigan  
 Gilbert Gonzalez  
 Hayes Presidential Center  
 Fremont, Ohio  
 Ernesto Gonzalez-Licon  
 Natl. Inst. of Anth. & Hist.  
 Oaxaca, Mexico  
 Harriett Green  
 The Columbia Museum  
 Columbia, South Carolina  
 J. P. Greene  
 Greater Manchester Museum of  
 Science and Industry  
 Manchester, England  
 Pathe Gueye  
 National Theatre  
 Senegal  
 Deborah Haase  
 Stirling Smith Art Gallery  
 Stirling, Scotland  
 Adnan Hadidi  
 Jordan Archeological Museum  
 Amman, Jordan  
 Brian Hayton  
 NW Museum & Art Gallery Service  
 Blackburn, England  
 Arnulf Herbst  
 State Museum of Wiesbaden  
 Frankfurt, West Germany  
 Be Herrera  
 Crocker Museum  
 Sacramento, California  
 Louis Hicks  
 Carver Museum  
 Austin, Texas  
 Lazare Henon Houetin  
 Office of the Arts  
 Benin  
 Paivi Hovi  
 Turku Art Museum  
 Turku, Finland  
 Osamu Inoue  
 TEPCO  
 Tokyo, Japan  
 Genevieve Issembe  
 National Ballet of Gabon  
 Libreville, Gabon  
 Sadhu Ishwarcharandas  
 Akshardham  
 Amdavad, India  
 Jane Peirson Jones  
 Birmingham City Museum  
 Birmingham, England  
 Ombone Kaiku  
 Natl. Museum & Art Gallery  
 Papua, New Guinea  
 Bi N'Dri Antoine Kakou  
 Natl. Inst. of the Arts  
 Ivory Coast  
 Antun Karaman  
 Dubrovnik Art Gallery  
 Dubrovnik, Yugoslavia  
 David Kato  
 Washington Park Zoo  
 Portland, Oregon

Aurangzeb Khan  
 Dir Museum  
 Chakdara, Pakistan  
 Nadim Khouri  
 Afamiya Museum  
 Hama, Syria  
 Amy Kirschke  
 Contemporary Arts Center  
 New Orleans, Louisiana  
 Fujio Koh  
 TEPCO  
 Tokyo, Japan  
 Moussa Konate  
 Musee National du Mali  
 Bamako, Mali  
 Konan Kouakou  
 Aka Cultural Ctr. of Bouake  
 Ivory Coast  
 Fahad Kulaban  
 ARAMCO  
 Dharan, Saudi Arabia  
 Inad Omar Kurdi  
 Mayor's Office  
 Amman, Jordan  
 Charle Lamonica  
 Science Museum of Charlotte  
 Charlotte, North Carolina  
 Irma Lanzas de Chavez  
 Min. of Cult. & Communication  
 San Salvador, El Salvador  
 Gloria Lara-Hasemann  
 Honduran Inst. Hist. & Anth.  
 Tegucigalpa, Honduras  
 Mary Lee  
 Colonial Williamsburg  
 Williamsburg, VA  
 Amidou Lega  
 Min. of Information & Culture  
 Ougadougou, Burkina Faso  
 Sue Levy  
 University Museum  
 Philadelphia, Pennsylvania  
 Cheng-Shing Lin  
 Natl. Mus. of Natural Science  
 Taichung, Taiwan  
 Loukia Loizou  
 Nicosia Levention Museum  
 Nicosia, Cyprus  
 Jose Lopez  
 Honduran Inst. Hist. & Anth.  
 Tegucigalpa, Honduras  
 Maria Isabel Lussich  
 USIS  
 Montevideo, Uruguay  
 T. T. Tseliso MacDonald Mabote  
 Lesotho Evangelical Church  
 Maseru, Lesotho  
 Ana Magraner  
 Ministry of Culture  
 Madrid, Spain  
 Madeline Mallah  
 Luxor Museum  
 Luxor, Egypt  
 Maria Marable  
 Southwest Museum  
 Los Angeles, California  
 Maria Martin  
 Fine Arts Circle  
 Madrid, Spain  
 Sebastien Matingou  
 Ministry of Culture  
 Congo  
 Masaki Matsuda  
 TEPCO  
 Tokyo, Japan  
 Kevin George Mbayu  
 Natl. Museum of Cameroon  
 Yaounde, Cameroon  
 Birgit Mershen  
 Yarmouk University  
 Irbid, Jordan  
 Robert Mizaki  
 Museum of Modern Art  
 New York, New York  
 Mary Mock  
 Indianapolis Museum of Art  
 Indianapolis, Indiana  
 Elizabeth Mullins  
 Sandy Spring Museum  
 Sandy Spring, Maryland  
 Garfield Murray  
 Ministry of Sport, Culture  
 and Youth Affairs  
 Trinidad and Tobago  
 Abdulrahman Mohamed Mwinzagu  
 Fort Jesus Museum  
 Mombasa, Kenya  
 Stella Tsitsi Nduku  
 Natl. Museums & Monuments  
 Harare, Zimbabwe  
 Pie Claude Ngumu  
 Ministry of Culture  
 Cameroon

Loretha Nichols  
 Wichita Art Museum  
 Wichita, Kansas  
 Patamaka Sukontamarn  
 USIS  
 Bangkok, Thailand  
 Manuela Patat  
 USIS  
 Trieste, Italy  
 Evanice Pauletti  
 Art Mus. of Rio Grande do Sul  
 Porto Alegre, Brazil  
 Palitha Pelpola  
 Mahaweli Museum & Center  
 Mahaweli, Sri Lanka  
 Jarno Peltonen  
 Museum of Applied Arts  
 Helsinki, Finland  
 Antonio Perez  
 USIS  
 Manila, Phillipines  
 Elena Pujol  
 USIS  
 Barcelona, Spain  
 Pedro Querejazu  
 National Museum of Art  
 La Paz, Bolivia  
 Lydia Quigley  
 Ponce Museum  
 Ponce, Puerto Rico  
 B. J. Quinlan  
 Salem Public Library  
 Salem, Oregon  
 Omar Rahamat  
 Jordanian Royal Society for  
 the Conservation of Nature  
 Amman, Jordan  
 Esperee Rahary  
 Ministry of Culture  
 Madagascar  
 Barbara Requa  
 Cultural Training Centre  
 Kingston, Jamaica  
 Eurydice Retsila  
 Museum of Greek Folk Art  
 Athens, Greece  
 Bernard Riordan  
 Nova Scotia Art Gallery  
 Halifax, Canada  
 Hocine Rizzi  
 USIS  
 Algiers, Algeria

Elizabeth Robinson  
 USIS  
 Kingston, Jamaica  
 Maria Rosa  
 Carlos Costa Pinto Museum  
 Bahia, Brazil  
 Burama K. Sagnia  
 Natl. Museum of Gambia  
 Banjul, The Gambia  
 Mohamed Said-Ahmed  
 Egyptian Antiquities Org.  
 Sakkara, Egypt  
 Ayesha Salam  
 USIS  
 Islamabad, Pakistan  
 Ferenc Sarkay  
 Ministry of Culture  
 Budapest, Hungary  
 Otto Schondube  
 Natl. Inst. of Anthropology  
 Guadalajara, Mexico  
 Janine Schotsman  
 Mus. Royaux d'Art et d'Hist.  
 Brussels, Belgium  
 Kamel Sh'hadeh  
 Mar'a Museum  
 Idleb, Syria  
 Roberto Siage  
 USIS  
 Montevideo, Uruguay  
 Bakary Sidibe  
 Natl. Museum of Gambia  
 Banjul, The Gambia  
 Radja Simatupang  
 Min. of Information  
 Jakarta, Indonesia  
 Oscar Simela  
 Natl. Museums & Monuments  
 Harare, Zimbabwe  
 Abdul Aziz Ali Ebrahim Sowaileh  
 Bahrain National Museum  
 Manama, Bahrain  
 Mitsuaki Suenaga  
 TEPCO  
 Tokyo, Japan  
 Hiroshi Suzuki  
 TEPCO  
 Tokyo, Japan  
 David Swain  
 Natl. Cartoon Centre  
 Canberra, Australia

Cornelia Syre	Vincent van den Ven
Bavarian State Coll. of Art	Amsterdam Historical Society
Munich, West Germany	Amsterdam, The Netherlands
Ato Tadesse-Terfa	Jan Van Kerkhove
Ministry of Culture	USIS
Addis Ababa, Ethiopia	Brussels, Belgium
Rosalba Tardito	Elsa Minetti de Vidal-Perri
Cult. & Hist. Assets	Natl. Historical Museum
Milan, Italy	Canelones, Uruguay
Joseph Zaki Tawdros	Corinna de Weerd
Egyptian Antiquities Org.	Inst. for Educ. of the Arts
Cairo, Egypt	Rotterdam, The Netherlands
Adil Naji Tawfiq	Barbara Wild
Min. of Culture & Information	Gallery of the Belvedere
Baghdad, Iraq	Vienna, Austria
Maria Trindad	James Wong
Art & Culture Institite	Hong Kong Museum of Art
Ouro Preto, Brazil	Hong Kong
U Aung Thein Nyunt	James Yaldwyn
Ministry of Religion	National Museum of New Zealand
Rangoon, Burma	Wellington, New Zealand
U Maung Maung Lay	Yumiko Yamashita
Ministry of Religion	USIS
Rangoon, Burma	Tokyo, Japan
J. H. van Brakel	Ginger Yang
Tropenmuseum	National Museum of Natural Science
Amsterdam, The Netherlands	Taichung, Taiwan

# Appendix 5

Publications of the Smithsonian Institution Press in Fiscal Year 1986

## GENERAL PUBLICATIONS

### Trade Publications

- Agar, Michael H. Independents Declared: The Dilemma of Independent Trucking. 192 pages. Cloth: \$24.95; Paper: \$14.95. April 1986.
- Brown, Michael F. Tsewa's Gift: Magic and Meaning in an Amazonian Society. 220 Pages, 8 black-and-white illustrations, 4 figures, 8 tables, 2 maps. Cloth: \$19.95. January 1986.
- Carr, Carolyn Kinder and Christman, Margaret C.S. Gaston Lachaise Portrait Sculpture. 168 pages, 95 black-and-white illustrations. Paper: \$16.95. December 1985.
- Christienne, Charles and Lissarague, Pierre; Translated by Francis Kianka. A History of French Military Aviation. 532 pages, 11 color and 494 black-and-white illustrations, 40 tables, 3 maps. Cloth: \$60.00. August 1986.
- Dick, Harold G. with Robinson, Douglas H. The Golden Age of the Great Passenger Airships: Graf Zeppelin and Hindenburg. 226 pages, 88 black-and-white illustrations. Cloth: \$24.95. November 1985.
- Ewers, John C. Plains Indian Sculpture. 240 pages, 26 color and 220 black-and-white illustrations. Cloth: \$39.95; Paper: \$24.95. May 1986.
- Fitzhugh, William W. Cultures in Contact: The European Impact on Native Cultural Institutions in Eastern North America, A.D. 1000-1800. 326 pages, 19 black-and-white illustrations, 7 tables, 22 maps. Cloth: \$29.95. November 1985.
- Fu, Shen, Lowry, Glen D., and Yonemura, Ann. From Concept to Context: Approaches to Asian and Islamic Calligraphy. 166 pages, 15 color and 96 black-and-white illustrations. Paper: \$22.50. July 1986.
- Hamel, Paul B. Bachman's Warbler: A Species in Peril. 110 pages, 6 black-and-white illustrations, 2 figures, 4 tables. Cloth: \$11.95. July 1986.
- Hamerstrom, Frances; Foreword by Roger Tory Peterson. Harrier: Hawk of the Marshes--The Hawk That is Ruled by a Mouse. 208 pages, 34 black-and-white illustrations, 18 figures. Cloth: \$24.95; Paper: \$10.95. July 1986.
- Harris, Neil and Morelli, Martina R.; Foreword by Charles C. Eldredge. Art, Design, and the Modern Corporation: The Collection of Container Corporation of America, A Gift to the National Museum of American Art. 136 pages, 32 color and 90 black-and-white illustrations. Paper: \$19.95. October 1985.
- Henry, J. David. Red Fox: The Catlike Canine. 176 pages, 10 color and 46 black-and-white illustrations. Cloth: \$22.50. June 1986.
- Hoage, R. J. Animal Extinctions: What Everyone Should Know. 206 pages, 30 black-and-white illustrations. Paper: \$9.95. December 1985.
- Jackson, Michael. Barawa and the Ways Birds Fly in the Sky. 212 pages, 2 maps. Cloth: \$18.95. April 1986.

- 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. Cloth: \$39.95. March 1986.
- Kraft, Stephen. Kids' Smithsonian Experience: A Smithsonian Coloring Book. 32 pages, 1 color and 29 black-and-white illustrations. Paper: \$2.75. March 1986.
- Lapham, Lewis. High Technology and Human Freedom. 170 pages, 5 black-and-white illustrations. Cloth: \$19.95; Paper: \$9.95. November 1985.
- Leary, William. Aerial Pioneers: The U.S. Air Mail Service, 1918-1927. 310 pages, 37 black-and-white illustrations, 5 maps. Cloth: \$22.50. December 1985.
- Lucas, Geraldine. Toys: A Smithsonian Coloring Book. 32 pages, 1 color and 29 black-and-white illustrations. Paper: \$2.75. March 1986.
- Meltzer, David J., Fowler, Don D., and Sabloff, Jeremy A., eds. American Archaeology Past and Future: A Celebration of the Society for American Archaeology, 1935--1985. 480 pages, 32 figures. Cloth: \$35.00; Paper: \$19.95. April 1986.
- Montgomery, G. Gene. The Evolution and Ecology of Armadillos, Sloths, and Vermilinguas. 462 pages, 9 black-and-white illustrations, 174 figures. Paper: \$45.00. March 1986.
- Mosely, Keith. The Flight of the Pterosaurs: A Pop-Up Book. 56 pages, 28 color illustrations. Cloth: \$13.95. June 1986.
- Myers, Fred R. Pintupi Country, Pintupi Self: Sentiment, Place, and Politics among Western Desert Aborigines. 334 pages, 3 black-and-white illustrations, 11 maps. Cloth: \$27.50. July 1986.
- Oakes, Claudia M. United States Women in Aviation Through World War I. 44 pages, 48 black-and-white illustrations. Paper: \$5.95. October 1985.
- Quill, Jeffrey. Birth of a Legend: Spitfire. 160 pages, 10 color and 101 black-and-white illustrations. Cloth: \$22.50. May 1986.
- Riaboff, Alexander. Gatchina Days: Reminiscences of A Russian Pilot. 184 pages, 85 black-and-white illustrations, 8 maps. Cloth: \$19.95. May 1986.
- Robinson, George S. and White, Jr., Harold M. Envoys of Mankind: A Declaration of First Principles for the Governance of Space Societies. 316 pages. Cloth: \$19.95. September 1986.
- Thomson, Peggy and Park, Edwards. The Pilot and the Lion Cub: Odd Tales from the Smithsonian. 142 pages, 25 black-and-white illustrations. Paper: \$4.95. April 1986.
- Viola, Herman J. and Margolis, Carolyn. Magnificent Voyagers: The U.S. Exploring Expedition, 1838-1842. 304 pages, 68 color and 142 black-and-white illustrations. Cloth: \$35.00; Paper: \$17.50. October 1985.
- Wooldridge, E. T. Focus on Flight: The Aviation Photography of Hans Groenhoff. 112 pages, 10 color and 133 black-and-white illustrations. Paper: \$19.95. October 1985.
- Wooldridge, E. T. Images of Flight: The Aviation Photography of Rudy Arnold. 160 pages, 10 color and 114 black-and-white illustrations. Paper: \$16.95. August 1986.
- Yochelson, Ellis L. The National Museum of Natural History: Seventy-five Years in the Natural History Building. 216 pages, 194 black-and-white illustrations, 2 tables, 7 maps. Paper: \$17.95. November 1985.



## Trade Reprints

- Aditi: The Living Arts of India. Dedication by Robert McC. Adams; Foreword by S. Dillon Ripley; Preface by Rajeev Sethi; Introduction by Pupul Jayakar. 280 pages, 71 color and 200 black-and-white illustrations. Paper: \$19.95. March 1986.
- Ahlborn, Richard E. The Penitente Moradas of Abiquiu. 52 pages, 55 black-and-white illustrations. Paper: \$3.95. May 1986.
- Dinosaurs: A Smithsonian Coloring Book. 32 pages, 1 color and 29 black-and-white illustrations. Paper: \$2.95. April 1986.
- Evans, Howard Ensign. The Pleasures of Entomology: Portraits of Insects and the People Who Study Them. 238 pages, 19 black-and-white illustrations. Paper: \$14.95. April 1986.
- First Ladies' Hall: A Smithsonian Coloring Book. 32 pages, 1 color and 29 black-and-white illustrations. Paper: \$2.95. April 1986.
- Hallion, Richard P., ed. The Wright Brothers: Heirs of Prometheus. 146 pages, 97 black-and-white illustrations. Paper: \$9.95. October 1985.
- Johnson, Clarence L. "Kelly," with Smith, Maggie. Kelly--More Than My Share of It All. 210 pages, 22 black-and-white illustrations. Cloth: \$17.50. April 1986.
- Kloss, William. Treasures From the National Museum of American Art. 256 pages, 81 color and 92 black-and-white illustrations. Cloth: \$39.95. August 1986.
- Leigh, Egbert G., Jr., Rand, A. Stanley, and Windsor, Donald M., eds. The Ecology of a Tropical Forest: Seasonal Rhythms and Long-Term Changes. 468 pages, 142 black-and-white illustrations. Paper: \$25.00. January 1986.
- Mammals: A Smithsonian Coloring Book. 32 pages, 1 color and 29 black-and-white illustrations. Paper: \$2.95. April 1986.
- Oakes, Claudia M. and Brooks-Pazmany, Kathleen L. Aircraft of the National Air and Space Museum. 176 pages, 373 black-and-white illustrations. Paper: \$6.50. August 1986.
- Whipple, Fred L. The Mystery of Comets. 276 pages, 17 color and 119 black-and-white illustrations. Cloth: \$24.95; Paper: \$12.50. April 1986.

## Annual Reports

- American Historical Association Annual Report. 137 pages. October 1985.
- National Air and Space Museum Research Report 1985. 256 pages, 17 color and 51 black-and-white illustrations, 9 tables. November 1985.
- Smithsonian Year 1985. 192 pages, 1 color and 54 black-and-white illustrations, 1 figure, 22 tables. June 1985.
- Smithsonian Year 1985 Supplement: Chronology and Appendixes. 426 pages. April 1986.

## Rooks

### National Museum of Natural History

Yochelson, Ellis L. The National Museum of Natural History: Seventy-five Years in the Natural History Building. 216 pages, 172 black-and-white illustrations. November 1985.

### Office of Fellowships and Grants

Smithsonian Opportunities for Research and Study in History, Art, Science 1985--1986. 169 pages, 2 black-and-white illustrations. October 1985.

### Office of Protection Services

Smithsonian Institution Guard Manual. 64 pages, 1 black-and-white illustration. October 1985.

### Smithsonian Institution Press

Virtunsi: Smithsonian Collection of Recordings. 159 pages, 43 black-and-white illustrations. January 1986.

Works of W. A. Mozart: Smithsonian Collection of Recordings. 64 pages, 23 black-and-white illustrations. July 1986.

## Booklets

### Office of Membership and Development

James Smithson Society Dinner Program 1986. 28 pages, 1 black-and-white illustration. September 1986.

### Office of the Secretary

Bylaws of the Board of Regents and Charter Provisions of the Smithsonian Institution. 44 pages, 1 black-and-white illustrations. August 1986.

### Smithsonian Institution Press

A Guide for Authors. 36 pages, 1 table. July 1986.

## Brochures

### Hirshhorn Museum and Sculpture Garden

Hirshhorn Museum and Sculpture Garden Spring/Summer 1986 Calendar. 8 pages, 12 black-and-white illustrations. April 1986.

Hirshhorn Museum and Sculpture Garden Fall/Winter 1986 Calendar. 8 pages, 13 black-and-white illustrations. August 1986.

### National Museum of African Art

- A Human Ideal in African Art: Bamana Figurative Sculpture. 8 pages, 4 black-and-white illustrations. April 1986.
- The Rising of a New Moon: A Century of Tahwa Art. 8 pages, 4 black-and-white illustrations. January 1986.

### National Museum of American Art

- Brown, Gaye. Introducing the National Museum of American Art. 12 pages, 11 color illustrations. January 1986.
- Hartigan, Lynda Roscoe. Afro-American Art: Twentieth-Century Selections. 16 pages, 6 color and 7 black-and-white illustrations. January 1986.
- Morelli, Martina Roudabush. Art, Design, and the Modern Corporation: The Collection of the Container Corporation of America, A Gift to the National Museum of American Art. 8 pages, 7 black-and-white illustrations. October 1985.
- The Peter A. Juley and Son Collection. 8 pages, 9 black-and-white illustrations. August 1986.
- Resources for Research in American Art At the Smithsonian Institution's Gallery Place. 12 pages, 7 black-and-white illustrations. July 1986.

### National Museum of Natural History

- Department of Botany, Smithsonian Institution. 16 pages, 22 color and 6 black-and-white illustrations. July 1986.

### Office of Elementary and Secondary Education

- Career Awareness Program. 4 pages, 7 black-and-white illustrations. May 1986.

### Office of Museum Programs

- Office of Museum Programs. 6 pages. December 1985.
- Internships and Visiting Professionals Programs. 4 pages. May 1986.

### Office of Protection Services

- Welcome to the Protection Force. 6 pages, 1 black-and-white illustration. November 1985.

### Smithsonian Institution Libraries

- Nota Bene: An Exhibition Commemorating the Tenth Anniversary of the Opening of the Dibner Library. 14 pages, 1 black-and-white illustration. August 1986.

### Exhibition Catalogs

#### Hirshhorn Museum and Sculpture Garden

- Rozensweig, Phyllis. Directions 1986. 60 pages, 29 color and 11 black-and-white illustrations. January 1986.

## National Museum of African Art

- Ezra, Kate. A Human Ideal in African Art: Bamana Figurative Sculpture. 48 pages, 48 black-and-white illustrations. April 1986.
- Go Well, My Child: Photographs by Constance Stuart Larrabee In Collaboration With Alan Paton. 32 pages, 31 black-and-white illustrations. November 1985.

## National Museum of American Art

- Art, Design, and the Modern Corporation: The Collection of the Container Corporation of America. 136 pages, 32 color and 87 black-and-white illustrations. October 1985.
- Breeskin, Adelyn. Romaine Brooks in the National Museum of American Art. 124 pages, 10 color and 81 black-and-white illustrations. January 1986.
- Eldredge, Charles C., Schimmel, Julie, and Truettner, William. Art in New Mexico 1900--1945: Paths to Taos and Santa Fe. 224 pages, 120 color and 91 black-and-white illustrations. March 1986.
- Kloss, William. Treasures From the National Museum of American Art. 256 pages, 81 color and 92 black-and-white illustrations. January 1986.
- Lippard, Lucy and Broun, Elizabeth. Patrick Ireland: Drawings 1965--1985. 64 pages, 9 color and 20 black-and-white illustrations. April 1986.

## Exhibition Checklists

### National Museum of American Art

- Figure Prints: The Washington Print Club Eleventh Biennial Members' Exhibition. 24 pages, 8 black-and-white illustrations. April 1986.

## Flyers

### National Air and Space Museum

- Publications; Services for Disabled Visitors; and Educational Tours and Materials (three education division information flyers). 6 pages, 6 black-and-white illustrations. February 1986.

### National Museum of African Art

- Outreach Program, Winter 1986--1987. 6 pages, 2 black-and-white illustrations. August 1986.

### Office of Elementary and Secondary Education

- Intern '86. 2 pages, 6 black-and-white illustrations. December 1985.
- Smithsonian Spectrum: Educational Opportunities 1986--1987. 4 pages, 13 black-and-white illustrations, 1 map. September 1986.

## Folders

### Hirshhorn Museum and Sculpture Garden

- Robert Arneson: A Retrospective. 4 pages, 8 black-and-white illustrations. April 1986.

National Museum of African Art

The Rising of a New Moon: A Century of Tabwa Art. 8 pages, 4 black-and-white illustrations. January 1986.

Office of Fellowships and Grants

Research and Study Opportunities at the Smithsonian Institution. 6 pages, 1 black-and-white illustration. August 1986.

Office of Horticulture

The Trees of Christmas. 6 pages, 1 black-and-white illustration, 2 maps. December 1985.

Smithsonian Tropical Research Institute

Opportunities for Research in the Tropics: Smithsonian Tropical Research Institute (English and Spanish language versions). 6 pages, 1 color and 2 black-and-white illustrations. July 1986.

Invitations

National Museum of American Art

Art, Design, and the Modern Corporation: The Collection of the Container Corporation of America, A Gift to the National Museum of American Art. 2 invitations, 6 pages, 1 black-and-white illustration. October 1985.

Art in New Mexico, 1900--1945: Paths to Taos and Santa Fe. 6 pages, 1 color illustration. February 1986.

The Art of Turned Wood Bowls. 1 page. April 1986.

Figure Prints: The Washington Print Club Eleventh Biennial Members' Exhibition. 1 page. April 1986.

James Rosenquist: Paintings 1961--1985. 6 pages, 1 color illustration. September 1986.

Masterpieces of Time: Clocks by Wendell Castle. 1 page. April 1986.

Patrick Ireland: Drawings 1945--1985. 1 page. April 1986.

Treasures From the Land: Twelve New Zealand Craftsmen and Their Native Materials. 6 pages, 2 black-and-white illustrations. October 1985.

Unknown Territory: Photographs by Ray K. Metzker. 6 pages, 1 black-and-white illustration. August 1986.

Miscellaneous

Office of Elementary and Secondary Education

Art to Zoo.

Let's Go To The Smithsonian.

On The Shoulders of Giants: Smithsonian Teacher's Guide. 2 pages. December 1985.

Smithsonian Journeys Number Two, Autumn 1985. 14 pages, 30 black-and-white illustrations. December 1985.  
Smithsonian Journeys Number Two, Autumn 1985 Teacher's Guide. 4 pages. December 1985.

Office of Fellowships and Grants

Directory of Fellows: Smithsonian Institution 1986 (cover). 2 pages, 1 color illustration. August 1, 1986.

Office of Public Affairs

Smithsonian Institution: Yesterday and Today. 1 page, 1 color illustration. July 1986.  
Smithsonian Institution Research Reports Number 46, Autumn 1985. October 1985.  
Smithsonian Institution Research Reports Number 47, Winter 1985. January 1986.  
Smithsonian Institution Research Reports Number 48, Spring 1986. May 1986.  
Smithsonian Institution Research Reports Number 49, Autumn 1986. September 1986.

Office of Protection Services

Special Police Commission Certificate. 1 page, 1 color illustration. January 1986.  
Certificate of Achievement. 1 page, 1 color illustration. July 1986.

Smithsonian Institution Press

National Air and Space Museum Archival Videodisk III Covers and Labels with Index. 32 pages. July 1986.

Posters

National Museum of African Art

A Human Ideal in African Art: Bamana Figurative Sculpture. March 1986.

National Museum of American Art

Art in New Mexico 1900--1945: Paths to Taos and Santa Fe. March 1986.

National Museum of Natural History

Fossils of the Atlantic Coastal Plain. 13 black-and-white illustrations. May 1986. Distributed by SI Press/\$5.00.  
Fossil Shark Teeth. 23 black-and-white illustrations. October 1986. Distributed by SI Press/\$5.00.

Office of Elementary and Secondary Education

On The Shoulders of Giants. 7 color illustrations. November 1985.

Office of Fellowships and Grants

Fellowships in Residence at the Smithsonian Institution 1987-1988. 1 color illustration. September 1986.

Fellowships in Residence at the Smithsonian Institution: Rockefeller Foundation Residency Program in the Humanities 1987--1988. 1 color illustration. September 1986.

SERIES PUBLICATIONS

Smithsonian Contributions to Anthropology

32. Vance C. Haynes, Jr., and George A. Agogino. "Geochronology of Sandia Cave." 32 pages, 7 figures, 2 tables. April 21, 1986.

Smithsonian Contributions to Botany

58. Aaron Goldbert. "Classification, Evolution, and Phylogeny of the Families of Dicotyledons." 314 pages, 164 figures, 2 tables. August 22, 1986.
60. Lyman B. Smith, Dieter C. Wasshausen, Jack Golding, and Carrie E. Karegeannes. "Begoniaceae, Part I: Illustrated Key; and Part II: Species List." 548 pages, 1183 figures. July 25, 1986.
61. Pamela Burns-Balogh and V.A. Funk. "A Phylogenetic Analysis of the Orchidaceae." 79 pages, 94 black-and-white figures, 4 color plates. March 26, 1986.
63. John J. Wurdack. "Atlas of Hairs of Melastomataceae." 80 pages, 244 figures. May 30, 1986.

Smithsonian Contributions to Paleobiology

58. Richard Cifelli and George Scott. "Stratigraphic Record of the Neogene Globorotalid Radiation (Planktonic Foraminiferida)." 101 pages, 43 figures. February 11, 1986.
59. Daryl P. Domning, Clayton E. Ray, and Malcolm C. McKenna. "Two New Oligocene Demostylians and a Discussion of Tethytherian Systematics." 56 pages, 23 figures. May 28, 1986.

Smithsonian Contributions to Zoology

413. David W. Steadman. "Holocene Vertebrate Fossils from Isla Floreana, Galapagos." 103 pages, 25 figures, 4 plates, 12 tables. April 17, 1986.
415. Louis S. Kornicker. "Sarsiellidae of the Western Atlantic and Northern Gulf of Mexico, and Revision of the Sarsiellinae (Ostracoda: Myodocopina)." 217 pages, 113 figures, 34 plates, 7 tables. April 10, 1986.
416. J.F. Gates Clarke. "Pyralidae and Microlepidoptera of the Marquesas Archipelago." 485 pages, 319 figures, 1 table. September 30, 1986.

418. Stephen D. Cairns. "A Revision of the Northwest Atlantic Stylasteridae (Coelenterata: Hydrozoa)." 131 pages, 53 black-and-white figures, 3 tables, 25 maps. 30 May 1986.
419. C.M. Hart, Jr., Lee-Ann Hayek, Janice Clark, and William H. Clark. "The Life History and Ecology of the Entocytherid Ostracod Uncinocythere occidentalis (Kozloff and Whitman) in Idaho." 22 pages, 8 black-and-white figures, 11 tables, 24 December 1985.
420. Frank D. Ferrari. "Postnaupliar Development of a Looking-glass Copepod, Pleuromamma xiphias (Giesbrecht, 1889), with Analyses of Distributions of Sex and Asymmetry." 55 pages, 23 black-and-white figures, 9 tables. 8 November 1985.
421. Stanley H. Weitzman and Sara V. Fink. "Xenurobryconin Phylogeny and Putative Pheromone Pumps in Glandulocaudine Fishes (Teleostei: Characidae)." 121 pages, 81 black-and-white figures, 4 tables. 24 December 1985.
422. Jonathan A. Coddington. "The Genera of the Spider Family Theridiosomatidae." 96 pages, 220 black-and-white figures, 8 maps, 1 table. 27 May 1986.
423. John M. Burns. "Wallengrenia otho and W. egeremet in Eastern North America (Lepidoptera: Hesperidae: Hesperinae)." 39 pages, 66 black-and-white figures, 4 tables. 24 December 1985.
424. Margaret D. Andolshek and Horton H. Hobbs, Jr. "The Entocytherid Ostracod Fauna of Southeastern Georgia." 43 pages, 20 black-and-white figures, 3 tables. 12 February 1986.
425. Louis S. Kornicker. "Cylindroleberididae of the Western North Atlantic and Northern Gulf of Mexico, and Zoogeography of the Myodocopina." 139 pages, 63 black-and-white figures, 6 tables. 14 July 1986.
426. Stephen D. Cairns. "Stylasteridae (Hydrozoa: Hydroida) of the Galapagos Islands." 42 pages, 27 black-and-white figures, 2 tables, 1 map. 26 March 1986.
427. George R. Zug, Addison H. Wynn, and Carol Ruckdeschel. "Age Determination of Loggerhead Sea Turtles, Caretta caretta, by Incremental Growth Marks in the Skeleton." 34 pages, 9 black-and-white figures, 6 tables. 25 July 1986.
428. Marian H. Pettibone. "Review of the Iphioninae (Polychaeta: Polynoidae) and Revision of Iphione cimex Quatrefages, Gattyana deludens Fauvel, and Harmathoe iphionelloides Johnson (Harmothoinae)." 43 pages, 18 black-and-white figures. 23 August 1986.
429. Ronald J. McGinley. "Studies of Halictinae (Apoidea: Halictidae), I: Revision of New World Lasioglossum Curtis." 294 pages, 746 black-and-white figures, 4 tables. 14 July 1986.
430. Wayne N. Mathis. "Studies of Psilopinae (Diptera: Ephydriidae), I: A Revision of the Shore Fly Genus Placopsidella Kertész." 30 pages, 34 black-and-white figures. 30 May 1986.
431. John G. Robinson. "Seasonal Variation in Use of Time and Space by the Wedge-capped Capuchin Monkey Cebus olivaceus: Implications for Foraging Theory." 60 pages, 23 black-and-white figures, 16 tables. 23 June 1986.
432. Fenner A. Chace, Jr. "The Caridean Shrimps (Crustacea: Decapoda) of the Albatross Philippine Expedition, 1907-1910, Part 4: Families Oplophoridae and Nematocarcinidae." 82 pages, 42 black-and-white figures. 11 September 1986.
433. Raymond B. Manning and Ch. Lewinsohn. "Notes on Some Stomatopod Crustacea from the Sinai Peninsula, Red Sea." 19 pages, 4 black-and-white figures, 4 tables. 12 May 1986.



434. Donald R. Davis. "A New Family of Monotrysiid Moths from Austral South America (Lepidoptera: Palaephatidae), with a Phylogenetic Review of the Monotrysiid." 203 pages, 588 figures, 15 maps, 3 tables. 14 July 1986.
435. Maureen E. Downey. "Revision of the Atlantic Brisingida (Echinodermata: Asterozoa), with Description of a New Genus and Family." 57 pages, 24 black-and-white figures. 30 September 1986.
436. Karl V. Krombein and Wojciech J. Pulawski. "Biosystematic Studies of Ceylonese Wasps, XVI: A Revision of Gastrosericus Spinola (Hymenoptera: Sphecoidea: Larridae)." 20 pages, 34 black-and-white figures. 21 April 1986.
438. Robert P. Higgins and Reinhardt Mobjerg. "New Loricifera from Southeastern United States Coastal Waters." 70 pages, 87 black-and-white figures, 1 map. 7 April 1986.
439. Annon Freidberg and Wayne N. Mathis. "Studies of Terelliinae (Diptera: Tephritidae): A Revision of the Genus Neaspilota Osten Sacken." 75 pages, 204 black-and-white figures. 2 September 1986.
440. Helga Schiff, Bernard C. Abbott, and Raymond B. Manning. "Optics, Range-Finding, and Neuroanatomy of the Eye of a Mantis Shrimp, Squilla mantis (Linnaeus) (Crustacea: Stomatopoda: Squillidae)." 32 pages, 19 black-and-white figures, 1 table. 9 July 1986.
441. Marian H. Pettibone. "Additions to the Family Eulepethidae Chamberlin (Polychaeta: Aphroditacea)." 51 pages, 42 black-and-white figures. 12 September 1986.

#### Smithsonian Studies in History and Technology

46. Emilie Savage-Smith with Andrea P.A. Beloli. "Islamicate Celestial Globes: Their History, Construction, and Use." 354 pages, 3 color and 84 black-and-white figures, 7 tables. 20 January 1986.
47. D.A. Flentrop (trans. by John Fesperman). "The Organs of Mexico City Cathedral." 53 pages, 28 black-and-white figures. 11 September 1986.

#### DIRECT-MAIL PUBLICATIONS

##### Books

- Kopper, Philip. The Smithsonian Book of North American Indians. 288 pages, 315 color and 27 black-and-white illustrations, 12 maps. Retail: \$50.00; Associates: \$29.97. September 1986.

##### Recordings

- Virtuosi. 7 LPs accompanied by a 159-page booklet containing 43 black-and-white illustrations. Retail: \$54.96; Associates: \$49.96. January 1986.
- Works of W. A. Mozart. 6 LPs accompanied by a 64-page booklet containing 21 black-and-white illustrations. Retail: \$54.96; Associates: \$49.96. August 1986.
- The Mount Calvary Church Organ. 1 LP. Retail: \$9.96; Associates: \$8.99. June 1986.

# Appendix 6

Publications of the Staff of the Smithsonian Institution  
and Its Subsidiaries in Fiscal Year 1986

## JOSEPH HENRY PAPERS

- Rotherberg, M., and Reingold, N. "The Exploring Expedition and the Smithsonian Institution." In Magnificent Voyages: The U. S. Exploring Expedition, 1838-1842 (1985): 243-253. Edited by H. J. Viola and C. Margolis. Washington, D. C.: Smithsonian Institution Press.
- Theerman, P. "James Clerk Maxwell and Religion." American Journal of Physics 54 (1986): 312-317.

## NATIONAL ZOOLOGICAL PARK

### Director

- Robinson, M. H. 1985. Tropical forests, informational complexity, conservation and the modern zoo. In Zoom Op Zoo Antwerp Zoo Focusing on Arts and Sciences, ed. C. Kruyhoft, pp. 55-69. Royal Zoological Society of Antwerp.
- \_\_\_\_\_. 1985. Alternatives to destruction: investigations into the use of tropical forest resources with comments on repairing the effects of destruction. The Environmental Professional, Vol. 7, pp. 232-239.
- \_\_\_\_\_. 1985. The fate of the tropics: are things as bad as they seem; and, if so, what can be done? In Proceedings of the American Association of Zoological Parks and Aquariums Annual Conference 1985, pp. 33-37.
- \_\_\_\_\_. 1985. The function of the modern zoo and the future of the tropics. In Proceedings of the International Union of Directors of Zoological Gardens Annual Conference 1985, pp. 150-160.
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OFFICE OF TELECOMMUNICATIONS

SMITHSONIAN GALAXY - 104 two-and-one-half-minute radio features

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:

"The Piano at Home" From "Piano in America" series, old favorites, rediscoveries, and nostalgia in concert recreation of songs sung 'round the piano in 19c America, with music historian Mark Tucker. (MAH)

"Community and Cosmos" First comprehensive survey of Igbo art reveals complexity of this ancient culture. Herbert Cole and Roslyn Walker. (MAfa)

"Sky Fighters" Exhibition pays tribute to Leroy Grumman and the F6F Hellcat, the plane that gave Allies control of skies in WWII. (NASM)

"Halley's Comet in Babylonia" 2000-year-old tablets recently rediscovered at British Museum offer confirmation for modern computer programs tracing history of Halley's comet, with Allan Needell. (NASM)

"Fire and Ice" Astronomers swing into observational action for Halley's Comet and museum offers visual commentary with comet-inspired art. (SAO/NASM)

"Understanding Echinoderms" An unusual deep-water colony of urchins, starfish, brittlestars and their kin and Smithsonian scientists investigating them. (MNH)

"The Spider's Web" A tour through a bizarre world of vibrations where spiders sense their prey through web movements, with Jonathan Coddington. (MNH)

"Revising Classic Jazz" A second look at Smithsonian Recordings set called "Classic Jazz," with music historian Martin Williams on music under consideration for revisions including works by Louis Armstrong, Charlie Parker, Stan Getz, and other jazz greats. (SIP)

"It's a Gas" 100th anniversary of gas light is celebrated with curator Bill Worthington and exhibition. (MAH)

"The Best Food in Space" An exhibition of space food with curator Derek Elliott discussing weightless cuisine on the Space Shuttle. (NASM)

"A People's History" Everyday life in 18c America presents new views of the Revolution and triumphs and struggles of people who forged often opposing opinions and lifestyles into new nation. (MAH)

"At Home on the Road" 150 years or so later, Americans were discovering the vacation. Exhibition explores nation's love affair with travel and leisure as it developed after turn of 20c. (MAH)

"Vertical Flight" New gallery devoted to man's efforts to go straight up in air with museum director Walter Boyne and assistant director Donald Lopez, authors of book on subject. (NASM)

"Flights of Fancy" Curator Claudia Oakes recounts famous first flights to far-away places--from England to southern tip of Africa, England to Australia, California to New Guinea. (NASM)

"A Paderewski Recital" Part of "Piano in America" series, this is recreation of Ignaz Jan Paderewski's first Washington appearance in February, 1892, featuring Christine Niehaus playing same Steinway he played. (MAH)

"Cosmic Bubbles" A startling discovery reveals revolutionary picture of universe, with galaxies in clusters on surfaces of great bubble-like voids in space, with astrophysicists Margaret Geller, John Huchra and others. (SAO)

"Tethered Satellites" Another idea brewing: satellites on strings, attached to space stations or shuttles, to supply energy for activities and conduct tests of hard-to-reach parts of the upper atmosphere.(SAO)

"Balloon Astronomy" A lot of valuable information is still coming to scientists via mankind's oldest flying machine: balloons, with astronomer Giovanni Fazio.(SAO)

"The Rising of the New Moon" Art of the Tabwa people of Central Africa reflects ancient tradition and effects of European colonial influence. Dr. Allen Roberts, guest curator of exhibition, and Smithsonian ethnomusicologist Kazadi wa Mukuna explore the cosmology of the Tabwa.(MAfa)

"Garden Potteries and Official Kilns" Oriental ceremony and traditions revealed in exhibition of clan-sponsored ceramic art of 17,18,19c Japan.(FGA)

"The Biological Revolution" Advances in genetic engineering bring researchers closer and closer to unlocking secrets of infectious disease. This technology is also expanding agricultural possibilities, extracting minerals from rocks and showing promise of host of other applications. From MAH and National Institutes of Health, a look at the dawning age of recombinant DNA; and a seminar on risks and rewards of biotechnology.(MAH/RAP)

"Cataclysmic Predicting" Scientists are continually devising ways to make long-term predictions of pending natural disasters, especially earthquakes and volcanic eruptions.(MNH/USGS)

"Lunar Leftovers" Working with NASA, NASM is documenting every piece of man-made material that is now on the moon for the sake of future historians and archeologists.(NASM)

"Go Well My Child" Photographs from South Africa in the 1940's reveal land of stark contrasts in exhibition of work by Constance Stuart Larrabee who remembers the people and words that inspired the photographs.(MAfa)

"Paths to Taos and Santa Fe" Works of Ernest Blumenschein, Andrew Dasburg, Georgia O'Keeffe and other leading artists of New Mexico in early decades of 20c explored in exhibition.(NMAA)

"Persian Treasure" Story of an international treasure hunt. Buried in history, recently rediscovered, the Henri Vever collection of Persian paintings and manuscripts is acquired by the Smithsonian.(AMSG)

"First Life" New permanent highlight of fossil hall features world's oldest fossils--3.5 billion-year-old algae from tidal flats of Western Australia.(MNH)

"On Human Origins" Scientists and researchers discuss human fossils and the ecological environments of early man.(MNH/RAP)

"Today's Earth Explorers" Four modern-day explorers recount their adventures: Robert Ballard of Woods Hole Oceanographic Institute, leader of exhibition that found the Titanic; maritime historian Tim Severin, who sails reconstructions of ancient ships; Polar explorer Wally Herbert, first to complete a surface crossing of the Arctic Ocean; and geologist Farouk El Baz, who explores the Sahara desert in search of causes and solutions to drought.(RAP)

"Private Lives of Public Figures" Portraits of famous figures from 19 and 20c U. S. reveal relationship between home and heaven in domestic life of period.(NPG)

"Reaching Rural America" 90 years ago Rural Free Delivery first brought mail service to America's farmlands. With the mail came improved roads, rising farm values and the mail-order industry. RFD exhibition.(MAH)

"Looking at Earth" From balloons, aircraft and spacecraft, we have grown increasingly sophisticated in our views of our planet. An exhibition explores the methods and results.(NASM)

"Voyage 2 at Uranus" When Voyager 2 passed within 50,000 miles of Uranus, it provided man's first close look at that planet. The leader of the U.S. Geological Survey Imaging Team examines the pictures and how they enhance our knowledge of the solar system's outer planets.(NASM)

"First Lady of the Smithsonian" Mary Jane Rathbun, first woman scientist hired by the Smithsonian (in 1860), was a zoologist who described more than 1000 species and subspecies and gave the Chesapeake blue crab its name (which is "beautiful swimmer" in Latin).(MNH)

"The Beeping Crab Study" Smithsonian Environmental Research Center biologist Anson Hines follows the movements of Atlantic blue crabs with ultrasonic transmitters.(ERC)

"Hollywood--Legends and Reality" Exhibition explores the history of the film industry, contrasting legends and myths of tinseltown with the realities of making movies.(MAH)

"Bon Voyage--Designs for Travel" Suitcases, wardrobes, valises, trunks, travel sets, collapsible furniture and personal accessories reveal past proclivities for peregrinations in this exhibition.(C-H)

"Coonskins and Canebrakes" Celebrating the 200th anniversary of the birth of Davey Crockett with a look at the farmer, hunter and politician from Tennessee and the legends that grew up around him.(NPG)

"The Imperial Mr. Brady" Imperial prints from the studio of Mathew Brady are featured in this exhibition.(NPG)

"Following the Killer Bees" Update on the spread of a strain of "Africanized" wild bee, introduced into Brazil and now spreading through Central America and Mexico, due in the U.S. in 1988.(MNH/STRI)

"Enigmatic Invertebrates" Paleontologist Ellis Yochelson is trying to identify a group of fossils that have no resemblance whatever to previously identified groups.(MNH)

"Zoo Plants" Rick Hider is redesigning the horticultural aspects of the zoo, offering a discourse on the finer points of planting for exotic animals.(NZZP)

"Zoo Vets" Days in the lives of the Zoo's veterinarians: how to tape down a snake; checking gorillas for ulcers; elephant biopsies and more.(NZZP)

"Tropical Studies" A wide range of research is adding to our knowledge of tropical forest and coral reef ecology, as well as our abilities to preserve and profit from these delicate ecosystems.(STRI)

"The Search for Nemesis" Does our sun have a companion star? If it's there, will it one day affect our solar system? Scientist Ellen Sprouls details evidence and the search for the hypothetical star.(NASM)

"The Endangered Horse" Paleontologist Deb Bennett traces the evolution of the horse and explains why its future, entirely in human hands, is in doubt.(MNH)

"Do Waterfowl Have a Future?" Habitat destruction, overhunting and recurring natural disasters have put many of America's waterfowl in grave danger; nonetheless, scientists are cautiously optimistic about future.(NZZP)

"Grasses" An exhibition and symposium explores the role of grasses in world ecology and human civilization.(MNH)

"50 Years of Consumer Products" Exhibition examines the whys and wherefores of 50 years of washing machines, credit cards, running shoes, suburban development, compact cars, and other consumables.(C-H)

"America, L.A. Style" A seminal decade, the 1940's, in the development of Southern California culture (and ultimately American culture) viewed through the reflections of well-known Americans who both loved and hated Los Angeles, as compiled by Paul Karlstrom. (AAA)

"Discoveries from Ancient Rome" Herculaneum, sister city of Pompeii, was recently unearthed and is proving to be even better preserved than Pompeii; Baldo Conticello, superintendent of the Herculaneum excavation, describes the site. (RAP)

"Ice Age History" Glacial periods of the world reviewed by museum 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. (RAP)

"The Hawk That's Ruled by a Mouse" On the prairies of Wisconsin, ornithologist Frances Hammerstrom has put in years of research on the secrets of the Marsh Hawk, or Harrier. Her studies have resulted in a new book. (SIP)

"Bee Eater Society" Studies of an African bird, a species of bee eaters, reveal an advanced social order with elaborately extended families. (NZP)

HERE AT THE SMITHSONIAN... - three-minute television features

This listing contains material based on research done by Smithsonian curators or other personnel:

"Folklife '86" The 20th Smithsonian Festival of American Folklife is one of the richest ever, focusing on the diverse cultures of Japan and Tennessee. (OFP)

"Brand New at the Zoo" This year the Zoo has been blessed by the arrival of a particularly large number of exotic newborns -- from spectacled bear cubs to leopard tortoises. (NZP)

"Reaching Rural America" Delivering the mail to rural America wasn't always as easy as it is today. An exhibition celebrates 100 years of the Rural Free Delivery system. (MAH)

"At Mr. Hirshhorn's Bequest" The public gets its first chance to see some of the additional 5,300 works Mr. Hirshhorn bequeathed at his death. (HMSG)

"Corals in Captivity" An 1,800-gallon tank contains a living coral reef, a complete ecosystem in miniature for visitors to watch and for scientists to study. (MNH)

"At Home on the Road" From campers to cabins and from motels to motor-homes, a look at America's fascination with vacationing by car. (MAH)

"Black Wings" An exhibition chronicles the important role of black Americans in the history of aviation. (NASM)

"Magnificent Voyagers" Major exhibition retraces America's first great scientific expedition in 1838-1842. (MNH)

"Balloon Astronomy" A discourse on high-altitude balloon science from astronomer Giovanni Fazio. (SAO)

## Film and Video Productions

This listing contains material based on research done by Smithsonian curators or other personnel:

The National Teleconference on Biodiversity A two-hour live (and video-taped) telecast on the issues of crucial significance to mankind. (MNH/NZP)

The Movie Palaces A half-hour film based on the exhibition, "American Picture Palaces." (C-H)

Engines of Change An epilogue to the exhibition of the same name. (MAH)

Looking at Earth A five-minute exhibit film on Shuttle Radar Imaging. (NASM)

Smithsonian Treasures: An American Experience A 90-minute television special with host actor Gene Kelly. (Pan-Institutional)

## ADMINISTRATION

### Office of Information Resource Management

Bearman, David A. "'Who About What,' or 'From Whence, Why, and How': Establishing Intellectual Control Standards to Provide for Access to Archival Materials." Conference on Archives, Automation, and Access. Victoria, B.C., University Press, 1986.

\_\_\_\_\_. "Archival and Bibliographic Networks." Journal of Library Administration, Summer 1986.

\_\_\_\_\_. "Recorded Memory and Cultural Continuity." Texas Library Association, April 1986.

Lytle, Richard H. "Information Resource Management, 1981-1986." Annual Review of Information Science and Technology 21:155-173.

\_\_\_\_\_, and David A. Bearman. "The Power of the Principle of Provenance." Archivaria 21:14-26 (Winter 1985-86).

Russo, Joseph L., and Bruce B. Collette. "Interrelationships of the Spanish Mackerels (Pisces: Scombridae: Scombaromorus) and their Copepod Parasites." Cladistics 1:141-158 (no. 2).

\_\_\_\_\_. "Morphology, Systematics, and Biology of the Spanish Mackerels (Scombaromorus, Scombridae)." Fishery Bulletin 82:545-692 (no. 4, 1984).

Van Dyke, George C., and William R. Taylor. "Revised Procedures for Staining and Clearing Small Fishes and Other Vertebrates for Bone and Cartilage Study." Cybium 9:107-119 (no. 2, 1985).

### Office of Printing and Photographic Services

Wallace, J. "The Planning, Construction and Operation of A Cold Room for Photographic Storage"; In The Book and Paper Group Annual, Volume 4 (1985):108-115. Edited by Jeffrey Abt. Washington: The Book and Paper Group, American Institute for Conservation.

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.

Reading Is Fundamental. A newly published brochure describing the organization and its accomplishments.

Parents' Brochures. A series of four brochures on the topics "Choosing Good Books for Your Children," "TV and Reading," "Reading Aloud to Your Children," and "Upbeat and Offbeat Activities to Encourage Reading."

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, 1986

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Administrative Assistant  
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Supervisor, Secretary's Files

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Joseph Coudon  
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\*resigned June 27, 1986

\*\*resigned August 29, 1986

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Division of Physical Sciences

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Handbook of North American Indians

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(Appointed May 1986)  
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Aron Crowell (Archeology)	Jean-Loup Rousselot (Archeology)
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Gloria Edynak (Physical Anthropology)	Robert G. Schmidt (Geology)
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Alva G. Day (Polemoniaceae)	Muriel E. Poston (Loasaceae)
James A. Duke (Flora of Panama)	Clyde F. Reed (Phanerogams)
Patricia M. Eckel (Mosses)	Amy Y. Rossman (Fungi)
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Aaron Goldberg (Phanerogams)	Edith E. B. Scott (Bryophyta)
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Mark Edward Hay (Marine Algae)	Lyman B. Smith (Flora of Brazil)
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Diane S. Littler (Marine Algae)	Phillip R. Taylor (Marine Botanical Ecology)
Alicia Lourteig (Neotropical Botany)	Edward E. Terrell (Phanerogams)
John C. Ogden (Marine Ecology)	Egbert H. Walker (East Asian Flora)

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### Hemiptera

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Curators

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Associate Curator

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Myriapoda and Arachnida

Associate Curator

Jonathan A. Coddington

Neuropteroids and Diptera

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Wayne N. Mathis

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Annette Aiello (Lepidoptera)  
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S. W. T. Batra (Hymenoptera)  
S. Franklin Blanton (Diptera)  
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Jerry Coyne (Diptera)  
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Douglas C. Ferguson (Lepidoptera)  
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John G. Franclemont (Lepidoptera)  
Raymond J. Gagne (Diptera)  
Robert D. Gordon (Coleoptera)  
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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)  
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Entomology)  
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Biological Research Technician  
Biological Lab Technician

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Emily Wegert

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and Volcanology)

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and Volcanology)  
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and Volcanology)  
Othmar T. Tobisch (Petrology  
and Volcanology)



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Scientific Illustrator  
Vertebrate Paleontology  
Preparation Laboratory,  
Supervisor

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G. Arthur Cooper  
Betty M. Lomax  
Frederick J. Collier  
Jann W. M. Thompson

Raymond T. Rye II  
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Kenneth E. Lohman	Phillip Sze
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Sergius H. Mamay	Ellis L. Yochelson

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Victor G. Springer

Stanley H. Weitzman

Associate Curators

G. David Johnson

Richard P. Vari

Amphibians and Reptiles

Curators

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George R. Zug

Birds

Curators

Storrs L. Olson

Richard L. Zusi

Assistant Curator

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Mammals

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Office of the Secretary Emeritus

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and Reptiles)

John S. Ash (Birds)

Andrzej Elzanowski (Birds)

Richard C. Banks (Birds)

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Heraldo Britski (Fishes)

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 Morton and Phyllis Isler (Birds)  
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 Reptiles)  
 Roy W. McDiarmid (Amphibians and  
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 Francisco Mago-Leccia (Fishes)  
 Joe T. Marshall (Birds)  
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 Reptiles)  
 Naercio Menezes (Fishes)  
 Joseph C. Mitchell (Amphibians and  
 Reptiles)  
 Richard M. Mitchell (Mammals)  
 Ralph S. Palmer (Birds)  
 Lynne R. Parenti (Fishes)  
 William F. Perrin (Mammals)  
 Allan R. Phillips (Birds)  
 Ronald H. Pine (Mammals)  
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 S. Dillon Ripley (Birds)  
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 Reptiles)  
 Albert Schwartz (Amphibians and  
 Reptiles)  
 Norman J. Scott, Jr. (Amphibians  
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 Stephen G. Tilley (Amphibians and  
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 Joseph P. Ward (Amphibians and  
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 and Reptiles)  
 Marilyn Weitzman (Fishes)  
 John S. Weske (Birds)  
 Claudia P. Wilds (Birds)  
 E. O. Wiley (Fishes)  
 James D. Williams (Fishes)  
 Don E. Wilson (Mammals)  
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 Patricia K. Buckley

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Frank D. Ferrari  
 Betty J. Landrum

Ernani G. Menez

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Administrative Officer  
Station Manager

Mary E. Rice  
Lorraine Brouillard  
Hugh Reichardt

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Sherry Anne Petry

Julianne Piraino

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Data Manager  
Shipping Officer  
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James Lee  
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Mr. James Parton: 3 transparencies of Major Parton taken in 1943 as aide to General Ira C. Eaker, and photographs of Parton, 1936-1986.

Mr. Francis C. Pogue: 182 aircraft recognition slides, circa 1947.

Honorable Senator Jennings Randolph: copy of an undated letter from Thomas Jefferson concerning aeronautics, and copy of the first bill introduced in Congress for an appropriation for aeronautics, 1893.

Ms. F. G. (Shutsy) Reynolds: publication on use of guidons at Avenger Field, Texas.

Mr. Robert & Jenny Roman: postcard carried on the Martin MB-1 "Around the Rim Bomber" in 1919.

Mr. Joseph L. Sacchini: biographical material on Mary Ann Campana, circa 1933-1986.

Dr. Margaret M. Scheffelin: files documenting Dr. Scheffelin's membership on the Defense Advisory Committee on Women in the Services (DACOWITS), 1981-1984.

Mr. Ted Seaman: "A Photographic Record," an unpublished account of the Second Aviation Instruction Center of the AEF, 1918.

Mr. C. H. Seaton: reports on MX-774 missile.

Mr. Matthew Bacon Jr. & John Clark Sellers: biographical materials of Matthew Bacon Sellers Sr., circa 1899-1914.

Space Science & Exploration Department, NASM: NASM's 10th anniversary "birthday card."

Space Science & Exploration Department, NASM: 52 audio tape interview transcripts.

Mr. Jay P. Spenser: 117 photographs of Boeing B-17 Flying Fortresses, circa 1940-1985, and biographical materials on various aviation personalities.

Mr. Zdzislaw I. Szewczyk: Airborne Radar Technical Archive.

U.S. Department of Transportation: technical manuals on various aircraft.

United Technologies Corporation: United Technologies Corporation publications, 1928-1985.

Mr. Albert Vollmecke: corporate files of Command-Aire Company, circa, 1928-1930.

Mr. Dwane L. Wallace: biographical materials on Dwane L. Wallace, 1971-1982.

Mr. Richard Webb: publicity materials on the "Captain Midnight" television program.

Mrs. Pat Thaden Webb & Bill Thaden: personal papers and memorabilia of Louise McPhetridge Thaden, circa 1928-1984.

Mr. Don Welzenbach: records documenting the development and testing of lens and optics used in the Fairchild KS-25 High Acuity Camera System, 1956-1967.

Mr. Roger B. White: brochures and photographs of various aircraft, air carriers, airports, and space projects.

Mr. Howard Wolco: aircraft technical manuals.

Mr. C. Albert Wolff: articles on various aircraft and aviation personalities.

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- A-Mark Precious Metals Incorporated (through Bruce Kaplan): one-ounce pure silver medallion, Liberty Silver, struck by A-Mark Precious Metals Incorporated (1986.0504).
- John A. Abbott, M.D.: silver tablespoon bearing the mark of a leaping fish, associated with Sir John Franklin's Arctic expedition, mid-19th century (1982.0254).
- Marie Willcox Abbott: report of a shopping trip with 14 fabric samples attached, 19th century (1984.1054).
- Mignon S. Acker: fragment of printed cloth, mid-19th century (1986.0121).
- Helen L. Ackermann: meter bar in a walnut case replicated by the National Bureau of Standards from the platinum Paris Standard (1985.0819).
- Don Adair: signed reproduction of the official poster for the 1984 Republican National Convention, designed by Mr. Adair (1985.0070).
- Robert McCormick Adams: 8 coins from a 1983 Republic of Panama proof set (1985.0201).
- Rita J. Adrosko: certificate of First Holy Communion and a photograph of Rita Adrosko, both 1939 (1982.0414); 13 miscellaneous Polish-American and Catholic articles made and used for Baptism and First Holy Communion, 1917-18 (1983.0688); 2 pins of the Nocturnal Adoration Society of St. Michael's Church in Elizabeth, New Jersey, 1941-51, and a Singer Manufacturing Company identification tag (1984.0289); girl's necklace, ring, and bar brooch in original box and a girl's bracelet, all 1933-36 (1985.0731); aluminum tray made by Admiration Products Co., New York, 1930s (1986.0079).
- The Aerospace Corporation, Aerophysics Laboratory, Laboratory Operations (through Harold Mirels): nozzle block used for the first demonstration of a continuous wave chemical laser (1985.0147).
- AFL-CIO, George Meany Memorial Archives (through Katherine Vogel): 2 badges; banner, "Be Union! Buy Label!;" hat, "Right to Work is a Rip Off;" button, "Women Power, I Belong;" and a patch, "AFL-CIO Auxiliaries," all relating to the AFL-CIO (1985.0950).
- AFL-CIO, Laundry and Dry Cleaning International Union (through Sam H. Begler): patch, money clip, button, pen, shop card, and a sheet of stationery for the Laundry and Dry Cleaning International Union (1986.0350).
- Elena Agnini: Fisher "Space" ball-point pen (1985.0654).
- Richard E. Ahlborn: pine drain board for a cheese press made and used by the Spanish of northern New Mexico, 1890-1940 (1981.0736); photograph in tramp-art frame "Booney Forge and Tool Works Clam Bake...1937" (1984.0814); 4 engravings from Harper's Weekly, 1874; an engraving of the "Map of the Pilgrim's Progress," 1850; and a chromolithograph of "St. Rita of Cascia," ca. 1900, all with religious themes (1985.0303).
- Anjum Sultana Ahmed: 15 stamps and a cut corner of a stamped envelope, all from the Indian Princely State of Hyderabad (1985.0567); 3 bank notes of the Indian Princely State of Hyderabad, 1939-53 issues (1985.0603).
- Lucien Aigner: black and white gelatin print of a self-portrait by Mr. Aigner, 1932 (1985.0925).
- Aircraft Mechanics Fraternal Association (through Robert L. Ruzensky): 4 stickers, a sheet of letterhead and envelope, bumper sticker, pamphlet, patch, button, and a pen top, all relating to the Aircraft Mechanics Fraternal Association (1986.0331).

Government of Aitutaki, Post Office, Philatelic Bureau: 11 mint stamps and souvenir sheets of Aitutaki (1983.0214); 4 mint stamps, a souvenir sheet, and a first day cover of Aitutaki (1983.0443); 15 mint stamps of Aitutaki (1984.0333); 11 mint stamps, 2 souvenir sheets, and 2 first day covers of Aitutaki (1984.0929); 12 mint stamps, 4 souvenir sheets, and 3 first day covers of Aitutaki (1985.0046); 3 mint stamps and a souvenir sheet of Aitutaki (1985.0716).

Alaric Textiles International (through Robert E. Fatherley): segment of reproduction fabric commemorating the Chicago World's Fair of 1892 manufactured by Alaric Textiles International, ca. 1976 (1985.0833).

Stephen Album: 31 California tokens and medals (1986.0184).

Ms. Laura Albus: 3 issues of Song Hits magazine and 10 issues of Hit Parader magazine (1985.0888).

William B. Alexander V: 2 bookbinding presses and a bookbinding die (314493).

Aluminum, Brick, Glass Workers (through H. Max Webster): 4 lapel pins, 2 pens, 2 patches, and a button, all relating to the Aluminum, Brick, Glass Workers (1986.0345).

American Agriculture Movement, Inc. (through Clifford Hamilton and Gerald McCathern): International Harvester Model 1486 tractor made in 1979 and 21 state flags (1986.0179).

American Association of University Professors, Collective Bargaining Congress (through Peggy Quinn): 4 sheets of stationery, 2 pamphlets, 2 leaflets, a newsletter, button, handbook, and a book, all relating to the American Association of University Professors, Collective Bargaining Congress (1986.0361).

American Bank Note Company (through Robert F. Ivey): 2,880 postage stamps, postal stationery, die proofs, and correspondence comprising the Hawaiian postal history archives (1984.0372); (through E. Peter Campbell): 6 hologram samples including pictures of Pegasus and the Master Charge logo and a National Geographic Magazine cover (1985.0276).

American Broadcasting Companies, Inc., Daytime Television Division (through Isadore Miller): miniature carousel and a gold pocket watch from the daytime television series, "The Edge of Night" (1984.0202).

American Cyanamid Company (through Warren Highman): 2 oil paintings, The First American Steam Locomotive by Mort Kunstler, 1972, and The First Auto Race in America - 1895 by Robert Schulz, 1978 (1985.0875).

American Express Travel Related Services Company, Inc. (through James Li): credit authorization terminal, travelers cheque dispenser, and a power cord modem (1984.0151).

American Federation of Government Employees AFL-CIO (through J. Gary DiNunno): videotape cassette Across America and a packet of documentary information about the union, 1985 (1985.0458).

American Federation of Grain Millers (through Larry R. Jackson): 8 items relating to the American Federation of Grain Millers including decals, buttons, lapel pins, and stationery (1986.0239).

American Federation of State, County, and Municipal Employees (through William Lucy): 2 buttons, a sheet of stationery, and an envelope for the American Federation of State, County, and Municipal Employees (1986.0336).

American Flint Glass Workers Union (through Ivan T. Uncapher): 5 buttons, a sheet of stationery, lapel pin, union seal, and a label all relating to the American Flint Glass Workers Union (1986.0272).

American Numismatic Association (through Edward C. Rochette): 2 medals commemorating the 93rd anniversary convention of the American Numismatic Association, 1984 (1984.0765); (through Q. David Bowers): copy of a

- Leshner dollar, 1984 (1984.0926); (through Ruthann Brettell): 2 American Numismatic Association convention exhibition medals (1985.0742).
- American Nurses' Association, Inc. (through Pamela A. Ames): lapel pin, "REPRESENTING NURSES IS OUR BUSINESS/AMERICAN NURSES' ASSOCIATION" and a sheet of stationery from the American Nurses' Association, Inc. (1986.0261).
- American Political Items Collectors (through Norman B. Loewenstern): 6 posters collected during the Republican National Convention in Dallas, Texas, 1984 (1984.0905).
- American Satellite Corporation (through John W. Townsend, Jr.): parabolic microwave antenna and off-set printing plate (1979.1220).
- American Society of Civil Engineers (through Herbert R. Hands): sample of portland cement, ca. 1850, from a wall of the London home of William Aspdin, son of Joseph Aspdin who invented portland cement (1985.0928).
- Amoco Motor Club, Division of Amoco Enterprises, Inc. (through Paul C. Morbit, Jr.): sign, "As You Travel Ask Us" (1985.0429).
- Carl E. Andersen on behalf of the Andersen Family: optical device used to measure eyeglasses, manufactured by Runge & Laulfus of Rothenau, Germany (1984.0641).
- Rev. George M. Anderson, S. J.: pine and cherry pew bench from St. Aloysius Church in Washington, D.C., 1859 (1985.0728).
- Ida M. Savoy Anderson: infant's christening dress worn by Alberta Lewis and made by the donor's aunt and godmother, Elizabeth Keckley, 1866 (1983.0853).
- Edna Andrus: 2-piece robe worn by Stewart Andrus from 1916 to 1984 (1985.0191).
- Eleanor K. Annett: 112 U.S. and foreign covers, 5 maximum cards, and 2 souvenir sheets, all relating to the observance of the International Geophysical Year, 1957-58 (1984.0047).
- Anonymous: Peruvian tar pot (279719); 112 items of American, English, and European glass from the 18th through the 20th centuries (1981.0558); Hejaz coin dated 1909 and a silver bracelet with 6 Indian bronze coins (1985.0703); (through John P. Burnham): 414 U.S. and foreign tokens, medals, badges, store cards, and ribbons (1983.0492).
- Government of Antigua, Barbuda Dependency, Barbuda Post Office, Philatelic Bureau: 15 mint stamps and 4 first day covers of Barbuda (1983.0215); 12 mint stamps and 3 first day covers of Barbuda (1983.0442); 14 mint stamps and 2 first day covers of Barbuda (1984.0051); 35 mint stamps and 8 first day covers of Barbuda (1984.0755).
- Antonucci and Lawless (through R. Antonucci and R. Lawless): residential central vacuum cleaner system with a cleaner unit, electric motor, muffler, and a baseboard hose coupling, made by the Vacuum Cleaner Company of New York, ca. 1910 (1985.0277).
- Apple Computer (through Alfred J. Mandel and John Sculley): MacIntosh computer system made up of the computer and keyboard, 6 stickers, 3 diskettes, 2 documents, and a cassette (1985.0118).
- Richard T. Applebaugh: telegraph key in case used by Sgt. Maj. William K. Applebaugh of the Union Army Signal Corps during the Civil War (1985.0183).
- Aristotle Industries (through John Aristotle Phillips): videotape, "Campaigns and Computers" and a notebook, "Al Campaign Manager User's Guide" (1986.0064).
- Vicki Loren Armour: 10 pieces of polo clothing and equipment (1984.0567); silver polo trophy, "Father-Son Winner/1984/Vicki L. Armour" (1985.0507).
- Christian Arne: scale model of an elevated Fort Dodge water storage tank

originally built by Chicago Bridge and Iron Company, Iowa, 1894, and an oxygen-acetylene cutting torch, ca. 1920 (1985.0549).

Estate of Mrs. Blanche Arthur in memory of Wilson Arthur (through Phyllis Lytle): 7 U.S. Army service documents from the military career of Mr. Arthur, a veteran of the Spanish-American War, and gravesite registration letter for Mrs. Arthur dated April 7, 1975 (1982.0126).

William R. Asadorian: cast copy of a Spanish-American 8-reales coin struck at Mexico City, dated 1775 (1985.0899); copper Miles' patent oil lamp, 1787 (1986.0022).

ASARCO, Inc., Central Research Department (through Val Kudryk): copper wirebar from which fine wire would be drawn, manufactured at ASARCO's Baltimore refinery in 1972 (1985.0744).

Mrs. Rochelle D. Aschheim: 4 medicine tins, manufactured by Boots Drug Company, Ltd. of Nottingham, England (1983.0607); 4 figures made of cloth and fiber portraying a woman, an old man, a boy in short pants, and a dog on a leash (1983.0684); box of 5 lingerie "Excella" ribbons (1985.0383); 2 embroidered monograms purchased from J. Daversin of Paris, France in 1908 (1985.0773); clothing sachet (1986.0047); 6 placemats, "NIXON'S THE ONE!" and a record, "NIXON'S THE ONE" sung by Connie Francis (1986.0142); typewriter ribbon box (1986.0297).

Jack B. and Wadonna M. Ashcraft: 3 pieces of political campaign bunting and a button, "Eleanor/Start Packing/The Wilkies are Coming" (1985.0896); fragment of printed cotton fabric with Japanese-inspired motifs and a length of printed cotton fabric with leaves and ferns on red ground, both late 19th century (1985.0897).

Burton E. Ashley: cartridge box labeled "Flobert, Sellier & Bellot" made in Czechoslovakia (1982.0480).

Richard L. Ashworth: black leather tool bag and a rabbit hair brush, both used in servicing a Xerox model 914 copier (1985.0923).

Association of Civilian Technicians (through John T. Hunter): 2 buttons and a sheet of letterhead with the Association of Civilian Technicians' logo (1986.0333).

Astra Pharmaceutical Products, Inc. (through Steven A. Hume): set of 2 Duo-Trach kits used for endotracheal anesthesia (1983.0739).

AT&T-Bell Laboratories (through Marcy G. Goldstein): hand-wired hybrid integrated circuit (1984.0321).

AT&T Technologies (through John J. Grieff): electronic artificial larynx (1984.0633).

Atchinson, Topeka, and Santa Fe Railroad Company (through R. N. Crow and J. R. Fitzgerald): clock dial for standard clock and a placard set for a standard clock (1985.0193).

Atlanta Cutlery Corporation (through William C. Adams): 7 pieces of a bridle cutter pike of the Confederate Army, excavated in South Carolina in 1980 (1983.0699).

Atlantic Independent Union (through John W. Kerr): 9 items relating to the Atlantic Independent Union including posters, buttons, and stationery (1985.0240).

Henry A. Ator: set of 2 Freeman transorbital leucotomes in their original cases, a set of 2 Freeman orbitoclasts in their original case, Watts-Freeman precision leucotome, Watts-Freeman radial stab-incisor, and a Watts carotid artery carotoid compressor, all ca. 1950 (1986.0376).

William F. Augustine: bronze medallion featuring a facsimile of President Calvin Coolidge, ca. 1927 (1985.0616).

Ann Auman: 7 postage stamps of Zanzibar (1984.0512).

Hubert Geese Ausbie: basketball shirt marked "Harlem Globetrotters," "Ausbie," and "35" (1985.0198).

Dr. Herbert Axelrod: 2 cello bows by Voirin in Paris, France, 19th century (1986.0549).

Estate of Alice Ayvad (through Andrew G. Borden, Sr.): telephoto Cycle-Poco 3 view camera with 5 plate holders (1986.0105).

Dr. Frances E. Baker and Dr. Gladys E. Baker: 2 academic hoods of the University of Chicago, 1910 and 1934, and a photograph of Dr. Richard P. Baker, 1935 (1985.0820).

Sandy Dewey Baker for the Ronald M. Baker Family: 3 phonorecords of songs by the Beatles (1986.0016).

Bakery, Confectionery, and Tobacco Workers International Union (through Rene Rondou): 2 sheets of stationery, a lapel pin, and a sheet of 17 union labels, all for the Bakery, Confectionery and Tobacco Workers International Union (1986.0266).

Leonard F. Ball: 2 individual chemical prophylactic packet kits provided by U.S. Army during WW II (1984.0597).

Bally Manufacturing Corporation (through Glenn K. Seidenfeld, Jr.): "Pac Man" video game (1984.0889).

Baltimore Orioles (through Henry J. Peters): baseball uniform and catcher's equipment used by Baltimore Orioles' catcher Rick Dempsey, including a pair of tube-stirrup socks, pair of knee-length socks, pair of pants, shirt, cap, chest pad, pair of knee pads, and a protective mask (1985.0057).

Donald O. Barber: 17 pieces of uniform items, insignia, identification tags, charts, buttons, and schrapnel belonging to Sergeant James A. Barber while a member of the 1st Anti-Aircraft Machine Gun Battalion, 1915-20 (1986.0174).

Breese F. and Mark Barbour: windlass made by the Globe Iron Works and used on the schooner John Burt, ca. 1871, which sank in Lake Ontario in September 1892 (1983.0586).

Conrad Voss Bark: man's razor and 4 blades in original case, patented May 28, 1907 (1984.0375).

Theodore Barnes (through Paul W. Kleinsmith): 26,661 stamps, 1,130 covers, 97 stamped envelopes, 74 miscellaneous postal items, 71 postal cards, and a Confederate States of America \$20.00 bill (1984.0173).

Charlene Barnes: 20 uniform items, insignia, medals, and memorabilia of Audie Leon Murphy from his service in the U.S. Army during WW II (1985.0428).

Bass Wingates Band (through G. Rouse): phonorecord, "Sparkling Brass," autographed by the bandmembers and a pewter plate inscribed with arms and "Balton" (1984.0851).

Sam G. Bass, Jr.: sidewinder model submachine gun with 2 magazines (1984.0871).

Joel B. Bastow: 20 gelatin glass plate negatives of mainly Bastow family members, ca. 1900 (1986.0200).

Battelle Memorial Institute, Columbus Laboratories (through F. Michael Lory): electron diffraction camera built at Cornell University by H. R. Nelson and A. G. Emslie and its electronic control cabinet, ca. 1930 (1980.0256).

Gary Bates: "AAA, Montana Auto Association Emergency Service" sign (1984.0715).

Wm. H. Bayless: sheet of 54 stamps of Scott 1394 with a tagging error (1985.0346).

Bruce Bazelon: 42 pewter buttons excavated from Revolutionary War period sites (1977.1139); in memory of Thomas W. Owens, Jr.: officer's uniform; button from the British 44th Regiment of Foot, 1812; and 2 documents given to Cpl. Guy A. Brosius in 1913 (1984.0476); 4 pieces of U.S Army insignia



and an album containing various examples of U.S. Navy insignia and a Revolutionary War period British Navy button, all 1776-1960s, and a booklet about U.S. Navy officer's uniform and equipment of 1917 (1985.0110).

Jonathan D. Beard: Spencer carbine, ca. 1860 (1985.0870).

Comdr. Eldon L. Beavers: 8-piece U.S. Coast Guard service dress green uniform, 1966-82 (1985.0184).

Evelyn Bebout: Bolsey model B2 camera with leather case (1986.0385).

Clarence J. Beck: United States Quarter Eagle, 1911-D, probably counterfeit (1986.0197).

Don Bell: saddle for riding broncos, 1949 (1984.0931).

James L. Bellis: 5 WW II identification tags and an empty "Hoxi Bullets" cartridge box (1982.0176).

Jean I. Benjamin: pennant of the National Labor Service of Nazi Germany, 1933-45 (1985.0452).

Edwin Bennett: Anson Mills type belt plate with Balloon Pilot design, non-regulation pattern, ca. 1950 (1983.0356).

Jane M. Bennett: tintype of Colonel Marion and Daniel Lothrop and a memorial card for Daniel Lothrop, "Died Feb 18 1899" (1986.0135).

Ivan B. Berger: Altair 8800b personal computer, 1976, with 6 pieces of related hardware, 11 sets of software and books, and a set of spare parts (1985.0647).

R. Berks: John F. Kennedy Memorial Medal, 1968 (1985.0824).

Conrad L. and Natalie Berman: cast replica of U.S. Morgan dollar, 1921 (1985.0002).

Mr. and Mrs. George W. Bernardo in honor of their children, Charline, Georgeann, James, and Sharon: 2 face screens of silk applied to paper, late 18th century, and an appliqued, pieced, and embroidered counterpane dated 1795, all made by Eliza Bennis; a miniature watercolor portrait of Mrs. Bennis dated 1782; and a watercolor portrait of her husband, Thomas Bennis, dated 1789 (1985.0034).

Ardyth Bernstein and Esther Bafsky Lozoya: "Hollywood Bloomer Girls" professional baseball uniform including a shirt, pants, leggings, cap, and shoes, ca. 1930 (1985.0169).

Leonidas H. Berry, M.D.: pocket surgical kit owned by Bishop Cornelius Thaddeus Shaffer, late 19th century; hypodermic surgical kit with needles and drugs, early 20th century; modified biopsy gastroscope in case, ca. 1950; and a framed picture of Dr. Berry at the 1954 World Congress of Gastroenterology (1986.0406).

Murray Bersten: 3 pen points, 3 books, a photograph, and a pen holder, all relating to Austin N. Palmer, founder of the "Palmer Method" of handwriting (1985.0396).

Robert Bery: polo trophy medallion from the "Gulf Stream Ladies Invitational, 1984" (1984.0934).

Linda Besade: woman's polo shirt (1984.0898).

Arthur J. Bessen: heater used by Mr. Bessen, a rural letter carrier, while delivering mail, 1917-1965 (1985.0209).

John E. Bianchi: U.S. Army General Officer's belt with buckle, pistol holster, and magazine pouch (1983.0885).

David E. Biggar II and Denise L. Biggar: postal cover with U.S. postage stamp used from Shanghai, China without the customary surcharge for Shanghai offices, cancelled November 7, 1921 (1985.0723).

Stanley K. Bigman: 279 pieces of paper memorabilia from various U.S. political elections (1984.1104).

Billie Billing: woman's Professional Billiard Alliance T-shirt (1984.0566).  
Stephen J. Bilsbury: 4 cartridges, a group of cartridge cases, group of unfinished cartridge cases, group of penetrator projectiles, and a group of flechettes (1983.0767).  
William L. Bird, Jr.: instruction book of The Art of Short-Hand Writing, printed in Philadelphia in 1830 (1986.0044); phonorecord of "The Chipmunk Song" (1986.0308).  
Joan C. Birdsall: portrait of Tunis A. Craven, commanding officer of the monitor Tecumseh which sank in Mobile Bay during the Civil War (1985.0051).  
William C. Birely: .410 gauge specimen gatherer pistol made by J. Stevens Arms Company, Chicopee, Massachusetts (1983.0862).  
Bitonte Contact Lens Service (through Joseph L. Bitonte): 6 different types of contact lenses (1984.0836).  
Mrs. William McCormick Blair, Jr.: woman's half-slip by Balenciaga, 1958-59 (1985.0919).  
Mel J. Blanc: 4 animation cells of "The Flintstones," "Bugs Bunny," "Sylvester," and "The Jetsons," and a Mexican hat and serape used in Mr. Blanc's "Si-Sy" routine with Jack Benny (1985.0247).  
Regina Blaszczyk: Girl Scout pin and canteen with cover used in 1966-67 at Holy Trinity School in Lawrence, Massachusetts (1985.0400).  
Susan B. Bliss: woman's brooch and matching earrings in original box, 1870-90 (1985.0091).  
Nick Bloom Uniform Company, Inc. (through Barry M. Levontin): 6-piece U.S. Postal Service letter carrier's uniform (1985.0857).  
Bluth Group, Limited (through Don Bluth and Gary W. Goldman): "Space Ace" laser disc (1985.0072).  
Richard A. Boardman: print made for the U.S. Centennial, 1876 (1985.0071).  
Norman F. Boas, M.D.: original cardiometer developed by Dr. Ernest P. Boas in 1928 to record heart rate, 2 signal recorders, an amplifier, battery charger, and a Boas-Allied cardiometer (1984.0638).  
Benjamin Bock: playbill for Ethel Barrymore in "The School for Scandal," February 15, 1932, at the Schubert-Belasco Theatre in Washington, D.C. (1985.0007).  
Boehringer Mannheim Diagnostics, Inc. (through Edward J. Goebel): Accu-Chek<sup>TM</sup> bG blood glucose monitor and a box of Chemstrip bG glucose strips (1986.0001).  
Alfred S. Boerger: 13 covers which highlight the progress made in U.S. postal automation (1984.1019).  
Frank P. Bolden: pictorial history book about the U.S. Navy, 1775-1914 (1984.0535).  
Mrs. Luis Bolin: 37-star U.S. flag used by Senator John Sherman at his Mansfield, Ohio home, late 19th century (1984.0354).  
John Bolt, Jonathan and Sally Rickerman, and Teal Rizzo: 2 bumper stickers and a banner, "PEACE is a group EFFORT" (1986.0008).  
Eugene P. Bonstein, Jr.: 90 88-note player piano rolls, 1916-48 (1985.0430).  
Peter N. Borsi: home-built amateur radio transmitter (1981.0900).  
Dr. George D. Botts, Jr.: electrical oil sterilizer for dental instruments (1983.0745).  
Alice L. Boundy: "Bryan Dollar" token from the 1896 presidential campaign of William Jennings Bryan, found in a garden in Goderich, Ontario, Canada in 1922 (1984.0772).  
Doris M. Bowman: 4 stereo cards, 2 bed curtains, 2 lengths damask fabric, a damask dresser scarf, damask napkin, baby dress, paisley shawl, bed

cover, pillow, and a silk bed cover (1985.0381).

Helen King Boyer: ink drawing of "The Twenty Second Street Bridge on October Eighth Nineteen Eleven" and a pencil drawing of "Panther Hollow Bridge" by Ernest Willson Boyer of Pittsburgh, Pennsylvania, ca. 1912 (1985.0790).

Thomas L. Bradley and John Sena: 4 medals commemorating the Tucson Coin Club's 22nd Annual Coin & Stamp Show, January 10, 11, and 12, 1986 (1986.0158).

The Branford Electric Railway Association (through Albert Hirsch): cacheted cover commemorating the first public run of Union Street Railway's Railway Post Office car 302 on October 17, 1981, at East Haven Connecticut (1984.0383).

Doris H. Bratten: 456 pieces of dental equipment and furniture from the office of Roscoe C. Bratten, D.D.S., who practiced in Ohio from 1915 to 1966 (312608).

Ruth Braun: 55 menus, photographs, and documents relating to Braun's Fine Caterers, Inc. and their work at receptions and dinners at the White House, State Department, and various embassies in Washington, D.C., mid-20th century (1985.0461).

Robert D. Breneller, Irving A. Eisen, and Stuart T. Eisen: 40 Indian "bent-bar" satamana coins, 600-303 B.C. (1986.0572).

Church of the Brethern General Office, Brethern Volunteer Service Orientation (through Brian Harley and Kyle Richmond): banner, "To Protest Is To Hope," from the August 4, 1985 Peace Ribbon rally in Washington, D.C. (1985.0946).

George W. Brett: twine knife used in the railway mail service (1986.0497).

Brigham and Women's Hospital, Peter Bent Brigham School of Nursing (through Marion L. Metcalf, R.N. and H. Richard Nesson, M.D.): student uniform, ca. 1912-25, a graduate nurse's uniform, ca. 1940-85, a school pin designed by Tiffany belonging to Lucy H. Beal, Superintendent of Nurses and Principal of the School of Nursing, and a sepia portrait of Carrie Hall, founder of the Peter Bent Brigham School of Nursing (1986.0081).

Margaret Hoover Brigham: 3 evening gowns and 2 day dresses worn by Lou Henry Hoover, wife of President Herbert Hoover (1985.0388).

S. C. Brightman: 15 issues of the newspaper, The Democrat, 1952 and a special edition of the newspaper, The Record, October 1952 (1985.0124).

Doris M. Brixey (through Morgan Guaranty Trust Company of New York and Henry Pildner, Jr.): necklace, brooch, and bracelet set made up of 28 U.S. gold coins with 5 of the coins surrounded by diamonds, designed by David Webb (1984.0603).

Nathaniel R. Bronson II, M.D.: inventor's prototype of a B-scan Ultra Sonoscope (1986.0095).

The 1983 Brooklyn Bridge Centennial Commission, Inc. (through Richard G. Perry): set of eyebar diagonals, set of eyebar counters, set of connecting pins, and a "U" bolt, all removed from the Brooklyn Bridge, ca. 1985 (1986.0393).

Brotherhood of Locomotive Engineers (through John D. Rinehart and John F. Sytsma): 2 patches and 2 buttons all relating to the Brotherhood of Locomotive Engineers (1986.0262).

Brotherhood of Railway, Airline and Steamship Clerks, Freight Handlers, Express and Station Employees, AFL-CIO-CLC (through R. I. Kilroy): 2 sheets of stationery and a lapel pin from the Brotherhood of Railway and Airline Clerks (1986.0343).

Brotherhood Railway Carmen of the U.S. and Canada (through C. E. Wheeler): 4 doo'lets, 2 union labels, 2 window decals, 2 stickers, 2 buttons, and 2 patches, all relating to the Brotherhood Railway Carmen of the U.S. and

Canada (1986.0140).

Gerald Brown and Jack H. Tod: 132 standard porcelain insulators (1936.0006).

James H. Bruns: 2 brass Rural Free Delivery locks, ca. 1910 (1984.0824); bell-shaped Rural Free Delivery mailbox, ca. 1913 (1984.0982).

Harry T. Bryer: rustic-style wall rack made of nailed willow twigs, 1920s-30s (1986.0123).

Emily B. Buchanan: 11 magazines and magazine covers of The Silver Screen, 1922-23 (1986.0460).

George G. Bull: 500-lira coin with braille writing, Italy, 1984 (1984.0892).

Catherine E. Bullowa: 3 U.S. Mint date punches for 1859, 1885, and 1893 (1985.0704).

Jane W. Bunting: Afro-American coil basket with cover made by Mary Jane Manigault of South Carolina (319865).

Martin Burke: bottle of 24 Bayer aspirin tablets, Atkinson & Barker's infant's grippe mixture, tube of Colgate dental creme, and a Dynamed disposable obstetrical kit, all 1978-79 (1982.0003).

The Rev. Carl Thomas Burkhardt and Lois Mall Burkhardt: Log Cabin newspaper dated July 25, 1840, published by Horace Greeley as part of the presidential campaign of William Henry Harrison (1984.0860).

Thelma C. Burnett: 2 memorial cards announcing the deaths of Abraham Lincoln and Ulysses S. Grant (1986.0141).

Elmer E. Burruss, Jr. and Edward A. Joachim: section of wrought iron "U" rail, ca. 1850 (1985.0079).

Frank B. Bushey: 7 panels from a circus show ticket wagon titled "Uncle Tom's Cabin and Menagerie," early 20th century (1986.0180).

Dr. Boris B. Bushwick: cabinet for dental instruments and a high-speed water-driven drill with pumping unit (1985.0219).

Miley Busiek and Robert A. Glen: artist's proof of the bronze sculpture, "Together in Unity" (1985.0889).

Butler Enterprises, Inc. (through Joanne B. Butler): toilet seat band, paper shower slipper, and a paper shower treader, all 1950s (1984.0441).

David S. Butler: Spanish pistol and 6 boxes of ammunition (1984.1129).

Harry F. Byrd, Jr. and Margaret Byrd Stimpson: rigged model of the Coast Guard cutter Bear (1985.0010).

Barbara H. Calhoun: 3 pairs of spring-loaded scissors and 2 forceps used in eye surgery (1984.0820).

Campaign Against Nuclear War (through Anne B. Zill): 2 nuclear war prevention manuals (1983.0271).

Leopoldo Cancio: 15 Spanish-American reales coins made at the Potosi and Mexico mints, 16th and 17th centuries (1984.0764); 4 bronze medals commemorating World Bank projects in Israel, Brazil, Guinea-Bissau, and Peru, 1960s and 1970s (1984.0768); 4 8-reales and a 4-reales Spanish-American Colonial silver coins struck in Potosi (1984.0964); 5 Umayyad and Ayyubid coins (1984.0988); silver medal from Brazil, 1976 (1984.1108); 11 Spanish Umayyad silver coins, 10th century (1985.0542); 5 medieval Turcoman coins (1985.0604); 10 Islamic silver coins of the 8th and 9th centuries (1985.0657); 73 ancient bronze coins (1985.0705); 3 ancient Greek silver coins (1985.0719); Scytho-Parthian coin, A.D. 30-60 (1985.0757); Sicilian bronze coin, 3rd century B.C. (1985.0825).

Employees of the Cannon Mills Company (through Ray Beaver): 6 badges, 2 newspaper clippings, anti-union bulletins, a bumper sticker, and a T-Shirt all relating to the non-unionization of the Cannon Mills Company (1986.0241).

Jack S. Cargill: 2 sets of photographs and a set of pamphlets documenting the

Bayard Mine-Mill Local 890 strike and the Empire Zinc strike (1985.0171).

Benson Carlin: pulse echo brain scanner (1984.1027).

Pamela A. Carlin and Evelyn A. Mark in memory of William T. Armstrong: theatre orchestra drum set with sound effect devices played by Mr. Armstrong in vaudeville and silent film theatres (1984.0335).

Carnegie Institution: 6 galvanometers, 3 dip circles, 3 potentiometers, 2 magnetometers, a declinometer, surveying instrument, induction coil, cosmic ray meter, electrometer, and a sunshine recorder (1983.0039).

Walter A. Carpus: 2 pairs of brown U.S. Army shoes and a leather flying helmet, WW II (1984.0534).

F. Winfrey Carter: phonograph record titled, "Sincerely, Kate Smith," with 14 reissued recordings, 1930-34 (1985.0607); 12 phonographic recordings of Kate Smith and 7 pieces of sheet music of songs made popular by Kate Smith (1985.0810).

Anna Casetta: woman's nightgown and robe made in the Philippines in 1945 from parachute nylon and decorated with parachute cord (1985.0664).

Russell K. Cashdollar: gas street lamp timer (1984.0555).

Mrs. Catherine B. Cass: 20 prayer cards (1983.0823).

Betty Catlin: sample of E. M. Crandal telegraph splice barbed wire, patented May 24, 1881 (1981.0844).

Centurion Industries Incorporated (through Eric F. Burtis): "Digitor" arithmetic teaching machine with a teacher's manual and a service manual, 1974-75 (1986.0507).

James G. Chandler: white damask linen napkin with a center design of ferns and leaves, borders of a repeated floral motif, and "T.P.C. 1881" hand-lettered in black ink (1985.0772).

Mrs. Kenneth Chapin: 47 pieces of sheet music (1984.0568).

Ann Chase: cibachrome print of a pansy taken by a Kirlian machine (1985.0924).

Shirley E. Cherkasky: pencil marked "Harry Truman Said It, Dick - The Bug Stops Here" (1985.0127); jacket for U.S. War Bonds and a holder containing ration books and documents (1985.0528).

Chesapeake & Potomac Telephone Company (through Leo O'Connor): 52 pieces of telephone apparatus (1980.0277).

Chicago Historical Society (through Teresa Krutz): 7 flags and pennants used during the Civil War, the Spanish-American War, and WW I and a foam rubber relief map used by Admiral Charles Andrews, Jr. to plan the attack on Iwo Jima during WW II (1984.0600).

Government of the Republic of China, The Philatelic Department, Directorate General of Posts: 27 specimen stamps, 18 mint stamps, and 18 first day covers of the Republic of China (1985.0074); (through E. K. Chien): 113 mint stamps, specimen stamps, souvenir sheets, and first day covers of the Republic of China (1983.0439); (through John S. T. Wang): 91 mint and specimen stamps and 16 first day covers of the Republic of China (1984.0119); 109 mint and specimen stamps, 22 first day covers, and 5 souvenir sheets of the Republic of China (1984.0629).

Christmas Seal League of Southwestern Pennsylvania (through Frank J. Donahue): 420 seals in 10 sheets of 1983 Christmas Seals (1983.0561).

Dr. Lloyd E. Church: McKesson anesthesia machine on stand with adult-sized and child-sized masks, gold melting pan, dental lamp, and casting apparatus for gold molds (1985.0629).

The Citadel, The Military College of South Carolina (through Comdr. Mal J. Collet and Maj. Gen. James A. Grimsley): 3-piece uniform worn by General Mark W. Clark while commander of the Far East Command, ca. 1953 (1985.0356).

Elvira E. Clain-Stefanelli: medal issued by the Societe Metallurgique Nickel, Presidential Inaugural Committee badge for Nixon and Agnew, January 20, 1969, and a medal noting the 80th Anniversary Convention of the American Numismatic Association, August 1971 (1984.0794); 8 metal tokens from Brazil and Africa, used for loading boats and as necessity money, 1883 (1984.1110); 9 certificates of debt, one of which was used as a cover letter, and a \$20.00 Confederate note (1985.0722); 20 assorted credit cards issued to Dr. Vladimir Clain-Stefanelli (1985.0823).

Cleveland Public Library (through Marian A. Hultner): 16 political campaign buttons, 6 lapel pins, a proclamation, ticket, pamphlet, program, leaflet, and a letter (1985.0150); (through Ethel L. Robinson): 6 Confederate bonds, a U.S. Treasury note dated October 3, 1780, and a bankruptcy note from England dated 1776 (1985.0286); 9 documents relating to German and German-American immigrants, 19th century (1985.0332); cotton scarf depicting 19th-century cavalry capturing French hot air balloons (1985.0842); letter from Paymaster John R. Martin of the USS Boston in Manila Bay, Philippine Islands, dated August 9, 1898 (1985.0843).

Francis E. Clougherty: "Reagan Time" watch with a picture of Ronald Reagan on the face, designed by Leopoldine, Countess Arco-Valey-Stengel of Hanover, West Germany in support of President Reagan's 1984 campaign (1984.0868).

Steven A. Clyburn: Mason jar mousetrap, early 20th century (1985.0847).

Mr. William Cochran (through Edith Cochran Sethness): set of gold dentures belonging to Mrs. Henriette Cochran, 1844-1931 (1981.0448).

Barbara J. Coffee: pair of woman's ceramic cuff buttons, 1900-20 (1985.0670); issue of LIFE magazine, dated May 29, 1939, with an article on Eleanor Roosevelt, "Queen's Hostess" (1986.0440).

Coherent Inc., General Electric Company (through Edwina DeRousse): 11 samples of objects made and cut with a laser (1985.0266).

Marcus Cohn: 2 man's bow ties (1985.0921).

William H. Cohrs: porthole fixture for window or portlight, recovered from an unidentified wreck in Lake Huron, 1978 (1984.0039).

Williams H. Cohrs and John N. Steele: anchor and capstan of the Indiana, 1848 (1984.0359).

Barbara Cole: "Dewey and Warren" badge and a "Dewey Victory Special PRESS" button worn by Mrs. Cole during Thomas Dewey's presidential campaign in 1948 (1985.0242).

Emerson Coleman: 6 necklaces, 2 hats, a bag, and a stole, all African-American man's accessories, 1972-76 (1984.1033).

Herbert R. Collins: 11 milk bottles (1984.0290).

W. H. Collinson: 3-piece U.S. Naval Academy Midshipman's dress blue uniform worn by A. W. Cruse, WW I period, and a suitcase with clothing rod (1985.0326).

Colombo Medaglie (through Damiano Colombo): 2 Saint Elizabeth Ann Seton commemorative medals (1985.0520).

Columbus and Greenville Railway, Inc. (through Sam Y. Wilhite): Model T Ford automobile built in 1926 and refitted with ruckstell axles and 4 steel wheels for use as a railway inspection car, 1927-28, also equipped with 4 rubber road tires and a motometer (1984.0831).

The Committee for the 50th American Presidential Inaugural (through Jerry L. Wallace): 5 Reagan Inaugural medals (1985.0287).

John P. Conlon: 3 pairs of wool socks, an enlisted man's wool cap, 1920s, and a pair of mountain ski boots with rubber cleated soles, 1943 (1986.0049).

Charlene E. Connelly: button marked "I Have A Dream/Dr. Martin Luther King,

Jr." (1985.0131).

Marie Ross Conrad: signaling horn used during the American Revolution (1983.0701).

Consolidated Edison Company of New York, Inc. (through Edward W. Livingston): switchboard from the West 26th Street substation in New York City (1980.0405).

Contemporary Concepts International, Inc. (through Ann Watters Becker and Ann Sullivan Ewoldt): 2 handmade porcelain bow ties marked "Reagan/Bush '84" (1985.0415).

Control Data (through Mollie P. Houns): He-Ne laser with optical assembly and oscillating scanner mirror (1985.0037).

Galen G. Cook: board game titled "Campaign: A Strategic Race for the American Presidency" developed by Mr. Cook in 1983 (1984.0903).

Government of the Cook Islands, Ministry of Posts, Philatelic Bureau, Post Office: 12 mint stamps and 2 souvenir sheets of the Cook Islands (1983.0521); 28 mint stamps, 2 souvenir sheets, and a first day cover of the Cook Islands (1984.0008); 15 mint sheets, 2 first day covers, and a souvenir sheet of the Cook Islands (1984.0928); 11 mint stamps, 4 souvenir sheets, and 2 first day covers of the Cook Islands (1985.0047); 21 mint stamps, 10 souvenir sheets, and 3 first day covers of the Cook Islands (1985.0566).

Stephen W. Cooley on behalf of the Cooley Family: pamphlet, "Facts and Figures Relating to the Presidential Campaign of 1888" and a brochure, "In Honor of the Triumph of Our Arms...." (1986.0405).

Ann M. Cooney: miniature crocheted table setting made in 1895 by Elizabeth Millon and a wooden display stand (1985.0774).

Cooper LaserSonics, Inc. (through Harold L. Brinkman): 10 Dentsply/Cavitron ultrasonic, endodontic, and dental prophylaxis units with 2 boxes of "P" and "TFI" inserts (1985.0213).

Cooper Wiss Industries (through J. W. Allen III and Thomas Harrington): 5 sock racks and a scissor screwdriver manufactured by WS YOHE, Dayton, Ohio (1985.0778).

Connecticut Health Care Associates, District 1199 (through Mary G. Millar): 2 sheets of letterhead and 2 buttons for the Connecticut Health Care Associates (1986.0356).

Dorothy Mann Cordry in memory of Donald Cordry: 69 stage sets, pieces, and mechanics, 5 puppets, and a program all used for the puppet play The Three Wishes; and 2 puppets and a backdrop from the puppet play The Dolley Sisters; all pieces and puppets made and used by Donald Cordry in the 1930s (1982.0238).

Ray Costa: cacheted cover commemorating the launching of the USS Drum on May 23, 1970 (1984.0513).

Hubert L. Costigan: movie poster for Little Miss Marker, 1933 (1985.0541).

Richard J. Coulter: 5 painted iron shooting gallery targets (1985.0812).

Harold Courlander: 2 oil paintings by David Courlander titled Grandma's Happy Birthday and Unfurl That Flag (1983.0696); watercolor painting titled Posse in Search of Billy the Kid by David Courlander (1984.0548).

Josephine H. Cox: porcelain tea bowl and saucer decorated in the Japanese style, made by the Worcester Porcelain Company in England, ca. 1765 (1985.0437).

Gail T. Crawford and Samuel A. Crawford in memory of Raymond William Crawford: gold cane handle with etched writing, "Alexander Crawford From his friend Andrew Jackson" and a gallery ticket to the U.S. Senate impeachment of President Andrew Johnson dated April 8, 1868 (1985.0853).

George Creegan: sheet music for the naval march "Yankee Tars" composed by John Boulton and published by Belwin, Inc. of New York in 1919 (1984.0506).

Government of Cuba, Minister of Communications, Philatelic Services: 18 mint stamps, souvenir sheets, and first day covers of Cuba (1983.0211); 24 mint stamps, 4 first day covers, and a souvenir sheet of Cuba (1983.0490); 13 first day covers and 12 mint stamps of Cuba (1984.0117).

Mike Curb: NASCAR "Grand National" Pontiac racing car "Number 43" driven by Richard Petty when he won the "Firecracker 400" on July 4, 1984, his 200th career win (1985.0009).

Estate of Howard Field Curry (through Ruth Curry): 4 light bulbs and a packaged set of 2 light bulbs (1984.0314).

Kenneth A. Cutshaw: T-shirt, "Send A Bulldog To The U.S. Senate VICTOR ASHE U.S. SENATE" and a campaign button, "VISTOR ASHE U.S. SENATE" (1986.0473).

Government of Cyprus, General Post Office, Philatelic Service: 21 specimen stamps of Cyprus (1983.0525).

Government of the Republic of Cyprus, Ministry of Communications and Works, Department of Postal Services: 14 specimen stamps of Cyprus (1984.0628); 15 mint specimen stamps of Cyprus (1985.0355); (through K. G. Spatharis): 5 specimen stamps of Cyprus (1984.0225); (through Andreas Stamataris): 10 specimen stamps of Cyprus (1985.0698).

George W. Daly: Raytheon CK722 transistor (1984.0352); solid state 2N626 transistor (1984.0588).

Ailsie H. Danforth in memory of Fredrick C. Danforth: steamboat captain's uniform owned and worn by John Stuart Hacker, captain of the Cary Bird, ca. 1925 (1985.0085).

Daughters of the American Revolution, Prudence Alexandria Chapter (through Mrs. Willie A. Adcock and Mrs. Robert B. Van Buren): framed, hand illustrated poem by Grace Coolidge titled "The Quest" (1986.0023).

Stuart C. Davidson: man's 3-piece suit of gray herringbone tweed wool with silk lining, worn in 1948 (1985.0666).

Mrs. Gwyn Davis: oil painting by Mrs. Davis titled Wanette, Oklahoma, before Statehood in 1906 (1983.0695).

Katherine P. Davis: white linen damask tablecloth with interwoven inscriptions relating to the Chicago World's Fair of 1892 (1986.0038).

D C Comics Inc. (through Charlie McDade): 5 reproduction cover illustrations for Wonder Woman comic books (1982.0152).

Frank Dean: 3 ropes, 3 whips, 2 rodeo costumes, and a saddle used by rodeo trick riders Frank and Bernice Dean (1984.0088).

J. A. del Regato, M.D.: localizer and a set of 10 vaginal specula, all used in cancer treatment (1984.0702).

Delta Council (through B. F. Smith): 100 open cotton bolls and a bale of cotton (1977.0200).

Democratic Media Center (through John Franzen): 6 videotape cassettes of television advertisements run during the 1984 election year for the Democratic Party (1985.0523).

Democratic National Committee (through Joan K. Vaught): 4 convention badges from 1976, 1980, and 1984 and 2 phonograph records by Carly Simon and Friends for the 1984 Democratic National Convention (1984.1105).

Government of Denmark, Ministry of Public Works, General Directorate of Posts and Telegraphs: 60 mint stamps and 5 souvenir sheets of Denmark and the Faroe Islands (1984.0164); (through Lis Birkedal): 60 mint stamps of Denmark and the Faroe Islands (1983.0444); 140 mint stamps of Denmark and the Faroe Islands (1983.0491); 145 mint stamps of Denmark and the Faroe Islands (1984.0900); 101 mint stamps of Denmark and the Faroe Islands



(1985.0333).

Richard J. DePrez: stylus-operated calculator with instruction leaflet, made by The Calculator Corporation of Grand Rapids, Michigan, ca. 1915 (1986.0542).

H. Martin Deranian, D.D.S.: 25 sets of dental tools and glass slides (1984.1135); 9 assorted wooden-handled vulcanite trimming instruments, 1890-1920; 5 hand-operated dental drills, ca. 1870; 2 S. S. White hand instruments, ca. 1868; 2 screw porters, ca. 1920; a German amalgamator, ca. 1920; 5-tier rotating burr holder made by Codman & Shurtleff, ca. 1900; a mechanical tooth forceps, ca. 1895; and a set of 4 ivory teething aids for children, ca. 1840 (1985.0964).

Prof. Gerhard Derge: miner's dial made by James Reed of Pittsburgh, ca. 1850; surveyor's chain, arrows, and talley; Jacob staff; leveling rod; and a tripod (1985.0798).

Gordon T. Diachenko: pair of sherry goblets with cut floral band and faceted knob, 1940s, and a pair of sherbet/champagne goblets cut in the "Majestic" pattern with a six-paneled stem, ca. 1983, all made by the Seneca Glass Company of Wheeling, West Virginia (1985.0084).

Norman Diamond: Johnson Type D manual farebox, ca. 1925 (1985.0039).

Raul Diaz: phonorecord and poster of "Pachuco Boogie" by Mr. Diaz (1985.0878).

Eleanor Dickinson: 27 religious revival artifacts (1980.0463).

Margaret Hamilton Dickson, B. Mynette Harding, Patricia Hamilton Mitcham, and Mrs. Elizabeth Hamilton Osborne: pink moire silk taffeta evening gown embroidered in a floral motif with glass beads and appliques, white fur cape fringed with two rows of ermine tails, pink silk parasol, and an ostrich feather headdress and fan, all worn and used by Mary Lowe Frost Hamilton in Washington, D.C., 1885-93 (1986.0186).

Sidney Dickstein: 2 tennis rackets and a can of tennis balls, a pair of skis and poles, and a bowling ball and case (1985.0062).

Laurence G. Dishman: Sol 20 microcomputer, Shugart disk drive, Admiral monitor, Texas Instruments printer, and a set of 26 disks (1986.0634).

Robert Disraeli: black and white silver gelatin print, "The Tintype Photographer," by Mr. Disraeli, 1929 (1985.0615).

Duilio Donati, M.D.: bronze medal of Ricardo Muti made by Giannantonio Bucci on the occasion of Muti's appointment as principal guest conductor of the Philadelphia Orchestra, 1977 (1985.0324).

Matthias B. Donelan, M.D.: residential hydraulic elevator with oak-paneled car and 22 pieces of operating equipment, ca. 1902 (1985.0125).

Sister Mary Jean Dorcy, O.P.: scissor-cut silhouette in frame of "Madonna of the Franciscans" by Sister Dorcy, 1949 (1984.0509).

Gladys C. Dougherty: woman's wedding ring in box, 1890-1910; woman's wedding ring, 1935; and 3 pairs of woman's gloves, 1930-70 (1983.0732); 2 brooches and a necklace, 1950-59 (1984.0363); glass candlestick and a Japanese ceramic vase, both 20th century (1985.0627); 3 machine-knitted rayon handkerchiefs, ca. 1943 (1986.0039).

Dow-Corning Corporation (through Scott J. Seeburger): silastic finger joint prosthesis and a prosthetic splint sample ring (1984.0622).

Herbert and Naomi Drapkin: 5 pewter printing plates used to print music (1984.1040).

Robert L. Drapkin, M.D.: 7 albumen photographs by Collard of St. Louis Bridge across the Seine in Paris, France, ca. 1863 (1985.0791).

Mark Dreyfuss: pair of reading glasses, 1975 (1985.0538).

Rod B. Dyke: philatelic cover damaged during the DeAutremont brothers' robbery of the Ashland and Gerber Train 13 at Siskiyou, Oregon on October 11,

1923 (1985.0344).

General Ira C. Eaker, USAF Retired: tropical field jacket with 3 sets of insignia, worn by General Eaker during WW II (1986.0225).

City of East Providence, Rhode Island, Department of Fire (through Ernest E. Currier and Earl P. Sandquist): 2 paper take-up reels, 2 register units, 2 rectifier panels, a protector panel, and a repeater unit (1978.2211).

Celia Eckhardt: first published issue of feminist newspaper Hurricane Alice, Spring 1983 (1985.0172).

The Edison Institute, Henry Ford Museum & Greenfield Village (through Robert E. Springer): automatic cut-off mill type steam engine made by C. H. Brown & Company of Fitchburg, Massachusetts, 1881 (1985.0318).

Duncan Lewis Edwards: 4-piece silver tea set with ivory trim, made by Nicholas J. Bogert of New York City, ca. 1830 (1985.0962).

E G & G Reticon (through Gene P. Weckler): 11 self-scanned solid state image sensors (1984.0062).

Katherine and Ted Egri: 21 mimeographed newspapers of the USS Blue Ridge, 1943-45, and 2 accounts of Japanese treatment of prisoners taken in the Philippine Islands during WW II (1984.0785).

Central Bank of Egypt, Head Office, Note Issue Department (through M. Abou El Ela): 25-piastres bank note put into circulation on June 16, 1985 (1985.0682).

Paul Ehorn and John K. Trumbo: ship's capstan manufactured by Coffin & Woodward (1985.0151).

Cleave Burtis Eimers, Helen Elizabeth Frey, Karolyn R. Poynter, and Joan Anderson Shaw, the daughters of Helen Cleave Anderson Ward: 7 Motor Corps of America uniform items, a New York City Reserve Police badge, service medal, and a War Camp Community Service Certificate, all worn and earned by Helen Cleave Anderson during WW I (1984.0507).

H. K. Eklund: entrenching shovel, .37 mm shell, artillery shell fragment, Austrian rifle bayonet and scabbard, and a German signal pistol (1981.0892); Austrian steel helmet from the WW I period (1982.0295).

John Eldredge: 2 cast iron journal box lids used on the Central Pacific Railroad, 1865 and 1875 (1983.0787).

Edwin Ellett Tile Company (through Edwin E. Ellett and Grace W. Febrey): 3 sets of ceramic floor tiling and 2 decorated ceramic bathroom tiles, all made in the U.S., 1939-41 (1985.0539).

Robert S. Embrey: 8 U.S. first day of issue covers bearing streetcar commemorative stamps (1984.0191).

Lt. Col. William K. Emerson: WW I period Man-In-Service lapel pin (1985.0077); 4 cloth disk insignia for overseas caps, 1930s (1985.0431).

Evelyn Endlich in memory of Marie Stoll Endlich and Wilhelmina Dollinger Endlich: 2 pieced work quilts, 2 embroidered counterpanes, and a Bucilla Working Chart for embroidery (1985.0771); in memory of her family: 3 lidded beer steins, a set of 2 pie crust cutters, cabbage-cutting board, Tyrolean hat, "Rund-um" game, figurine of a child, certificate of baptism, certificate of citizenship, family photograph, and an ink and watercolor drawing of immigrants in steerage (1986.0428).

Energy Sciences Corporation (through Eugene S. Erdahl): 2 Detonics semiautomatic pistols with carrying cases, 1978 and 1983 (1983.0737).

Herman W. Engel: 2 pairs of seal skins for skiing, ca. 1925; 2 pairs of ladies' and men's ski boots, ca. 1930-1935; a pair of ladies' ice skates, ca. 1910; pair of plastic skate guards; and a knapsack, ca. 1925 (1985.0056).

Mark R. Enger: woman's ermine coat, 1901 (1979.0388).

Catherine C. Eppinger: 2 woman's dresses, 1880-98; 3 pairs of silk stockings; and a silk and ivory fan in its original box, 1900-09 (1985.0673).

EPRAD Inc. (through Steven D. Kear): drive-in theatre speaker, ca. 1950 (1985.0088).

Suzanne Liebers Erickson (through Ralph Erickson): 41 gold sovereigns and 41 U.S. coins and medals (1986.0445).

E. Alden Eriksson: granite "sleeper" block from the roadbed of The Granite Railway of Quinon, Massachusetts, the first railroad in the U.S., 1826 (1984.0863).

Luis Tomas Estrada: 2 posters of Uncle Sam with the message, "Uncle Sam Wants to Kick Ass!," made by Mr. Estrada during the Iranian hostage crisis of 1979-81 (1985.0339).

D'Anne A. Evans: woman's brown hairpiece, 1960-69, and a boy's red La Coste shirt, 1974-80 (1984.1035).

D. E. Evelyn: stereo card showing a postman in uniform by the Keystone View Company, ca. 1905 (1984.0529).

Dr. Charles Fairbanks: 10 sherds of Yayal blue on white pottery and 10 sherds of Columbia plain pottery (1980.0862).

Judith Dolan Falcon: Deed of Sale for an 8-year-old black male slave named Mortimer, sale made in Indiana in 1841 (1984.0949).

Ruth Glover Fansler: woman's necklace and brooch, 1900-24 (1985.0619).

Belmont Faries: Electronic Computer Originated First-Class Mail last day of operation cover dated September 3, 1985 (1985.0858).

Government of the Faroe Islands, Postverk Foroya: 31 mint stamps and 3 first day covers of the Faroe Islands (1983.0399); 20 mint stamps, 2 first day covers, and a souvenir sheet of the Faroe Islands (1983.0637); 30 mint stamps and 2 first day covers of the Faroe Islands (1984.0446); 20 mint stamps and a first day cover of the Faroe Islands (1984.0626); 41 mint stamps and 3 first day covers of the Faroe Islands (1985.0113).

Jeannine Lattin Farrell: Royal Standard #5 manual typewriter (1985.0953).

Karen Faryniak: print of Independence Hall made for the Bicentennial (1985.0910).

Federated Women in Timber (through E. J. Cutler and Billie Smith): 33 miscellaneous items including conference packets, bumper stickers, buttons, rubber stamps, T-shirts, pins, posters, and pencils, all relating to the Federated Women in Timber (1986.0423).

Federation of Postal Police Officers (through Eugene Lewis): 2 stickers and a sheet of letterhead (1986.0328).

The Honorable Geraldine O. Ferraro: 6 campaign buttons, 3 bumper stickers, a poster, tape, piece of sheet music, tie tack, strip of 5 stickers, cartoon, and a dress, all relating to Geraldine Ferraro's 1984 campaign for Vice President of the United States (1986.0540).

Michael Ferrer: letter carrier's badge number 1504 (1986.0443).

John T. Fesperman: phonorecord "Charles Fisk and the Baltimore Organ," a recital by Mr. Fesperman (1986.0475).

Julia Fiechter: 10 pieces of maternity clothing worn by Mrs. Fiechter in 1931 (1985.0192).

Portia M. Filbert: 6 silver U.S. award medals presented by the "Maryland Institute for the Promotion of the Mechanic Arts," last half of the 19th century (1986.0490).

Detmar H. Finke: 24 pieces of Staunton Military Academy cadet uniforms and accessories worn by John Finke, 1970s (318932).

Bernard S. Finn: baggage check from the Baltimore and Ohio Railroad (1984.0115); 32 phonorecords (1986.0028); mastitis test kit made by the

Rex Corporation, ca. 1945, used to detect infection in a cow's udder (1986.0546).

Jane A. Finn: pair of woman's rhinestone-covered shoe heels, 1925-35 (1984.0894).

The First Canadian Bank, Bank of Montreal (through Freeman Clowery): 7 sheets of 4 proof notes each of the Bank of Montreal, 6 sheets are dated January 2, 1904 and one sheet is dated January 2, 1895 (1985.0519).

Roger Fischer: 889 campaign and issue buttons and an embroidered applique "Pro-Life Rose" (1985.0693).

Fisher Pen Co. of Nevada (through Paul C. Fisher): ballpoint "Space" pen by Fisher (1985.0959).

Kevin Fitzgerald: Carterfone, electro-acoustic converter (1984.0877).

Frank L. Flay: 2 shoulder knots for a First Lieutenant of the U.S. Army Infantry's 22nd Regiment, late 19th century (1981.0439).

John H. and Virginia J. Flesher: letter with envelope to the Republican Women's Club of St. Louis, Missouri from Grace Coolidge, November 13, 1926 (1986.0314).

Frances W. Fletcher: leather softball autographed by Lefty Grove, Ted Williams, and other members of the Boston Red Sox baseball team, 1940-41 (1985.0807).

Flexitron Industries Inc. (through John H. Beier): gift box of 33 "Clippos," office box of 50 "Clip-Its," and a blister pack of 10 "Clip-Its" (1985.0934).

Florida Department of Transportation (through Thomas E. Drawdy): Florida U.S. 17 route marker, 1925-35 (1985.0480).

Charles F. Flynn: Stratopen "Birome" ballpoint pen (1986.0303).

Byron Jeffrey Fogel: 321 paper placemats from food establishments (1981.0981).

Ursula N. Forbes: 2 proportional dividers, 2 planimeters, a limb protractor, parallel rule, station pointer, set of drawing instruments with instruction pamphlet, and an air brush with pin (1986.0316).

Martha P. Forrest: 22 pieces of clothing from the early 20th century, a Wilson College medal, ca. 1904, and Dr. David P. Trout's dental medical bag (1983.0049).

A. T. Forrester: 5 photoelectric mixing tubes and a microwave coupling device (1983.0839).

Fletcher W. Forsyth: 8 medals and ribbons, 4 pieces of insignia and a box, 2 rosettes, chapeau and box, and a brass stamp, all used by Rear Admiral James McQueen Forsyth during his naval career, late 19th to early 20th century (1985.0300).

Jacqueline Loewe Fowler: 37 pieces of clothing and accessories of the 18th, 19th, and 20th centuries (1982.0124).

William Fowler: cast iron journal box lid used on the Central Pacific Railroad, dated 1875 (1983.0789).

Marion I. Francis: man's gold souvenir ring from the Centennial Exposition of 1876 held in Philadelphia, Pennsylvania (1985.0090).

Noralee Frankel: purple, white, and yellow banner worded "Women Historians' Comm. of the OAH" (1984.0861).

Norman Frantzman in memory of Max William Frantzman: Rolls razor in original box, 1920-50; a Ronson razor with blades and original box, 1930-50; and a Gem razor with blades, instructions, and original box, 1950-65 (1983.0282).

Linda Joynes Frey and Sewell L. Frey: framed bed springs made by the Simmons Company in the 1930s (1986.0481).

Robert Friedel: musical Christmas card (1984.0041); "Radioear, Eighty Three"

hearing aid (1984.0616).

Leonard T. Friscia: U.S. Army Quartermaster handcart, ca. 1937 (1985.0267).

Frontlash (through Joel Klaverkamp and Jessica Smith): 3 posters and a set of documents encouraging people to register and vote, 1982-84 (1985.0174).

Robert J. Frost, M.D.: monocular microscope with accessories made by the MacIntosh Battery and Optical Company, patented March 13, 1882 (1984.1074).

Stephen M. Fry: laser tube (1985.0269).

Linda A. Frye: banner, "The World Is My Country/ All Men Are My Brothers/To Do Good Is My Religion," from the August 4, 1985 "The Ribbon" peace rally in Washington, D.C. (1986.0048).

Estate of Jessie P. Fugett (through Martha F. Wiglesworth): Marseilles quilted counterpane with representation of the U.S. seal, early 19th century (1986.0286).

G&A Communications (through Franklin Greer): 2 videotape cassettes, "Challenge, History, History-30, and Moving Forward" and "Together," and a press kit, "Together For Fifty Years," all in honor of the United Auto Workers' 50th Anniversary (1986.0112).

Regina Gabler, M.D.: woman's gym suit, 1927-28 (1984.0825).

Steven Galen: 18 pieces of children's clothing worn by Andrew and Gillian Galen, 1979-84 (1985.0177).

B. Jack Gallaher: 2-brick adobe mold made in Socorro, New Mexico for Mr. Gallaher's house construction, ca. 1970 (1981.0807).

Game Plan, Inc. (through Wendall McAdams): Sharpshooter II pinball machine (1984.0887).

David L. Ganz: James A. Bolen gold medal with portrait of Thomas Jefferson (1985.0019); gold medal portraying Andrew Jackson (1986.0034).

Helen W. Stothoff Garden: gold pin and organdy hat awarded to Mrs. Garden on her graduation from the nursing school of Passaic General Hospital in Passaic, New Jersey, 1934 (1984.1073).

Gardena Valley Democratic Club (through Harmon Belcher and Rosalie A. Preston): 4 "Californians for Mondale & Ferraro" buttons (1984.1022).

Carl Gatter: 5 fabric labels used for imported Japanese silk, ca. 1930, and an invoice form printed for W. A. Forsyth of Philadelphia, Pennsylvania (1984.1060).

Joseph L. Gattuso: album of photographs taken by Mr. Gattuso while traveling in his 1974 Ford Pinto automobile (1985.0479).

Dr. Istvan Gedai: 2 Hungarian 5-forint coins, 1946 and 1947 (1985.0608).

General Electric Company (through Dr. P. von Herrmann): set of pyrolytic graphite horseshoe-type incandescent lamp filaments, ca. 1915 (1984.0356).

Joseph Genovese: master clock made by International Recording Company, ca. 1915, and the back of a slave dial (1984.0807).

Georgetown University Medical Center, Division of Plastic and Reconstructive Surgery (through Sharon Romm): box of 10-1 surgical sutures of black monofilament nylon used in microsurgery (1986.0414).

Georgetown University Medical Center, National Biomedical Research Foundation (through George Houston and Matthew F. McNulty): automated, computerized transverse axial scanner for whole body tomography invented by Dr. Robert S. Ledley and put into clinical operation in 1973 (1984.0680).

State of Georgia, Department of Transportation, Operations Division (through Archie C. Burnham, Jr.): Georgia U.S. 1 route marker sign, 1950s (1984.0938).

Sylvia M. and William Gersch: polychrome painted black basalt ceramic potpourri vase marked "Wedgwood," ca. 1830 (1985.0064).

Nancy Gewirz: 2 woman's dresses designed by Mary McFadden, a woman's jacket designed by Valentine, woman's skirt and trousers designed by Yves St. Laurent, and a pair of woman's shoes designed by Maud Frizon, 1976-84 (1986.0429).

Henry Gichner in honor of the family of Fred S. Gichner: strong box, key and warded lock housing, padlock, keyhole escutcheon with key, and a large lock with 3 bolts (1982.0021).

Gilbarco, Inc. (through Janet P. Hancock): 2 gasoline pumps, a Gilbarco Trimline Mechanical Dispenser, and a Gilbarco Highline III Electronic Dispenser (1982.0139).

Cory Gilliland: 500-peso Argentina currency; 5-mark German currency, 1978; U.S. medal commemorating the American Medalllic Sculpture Association Exhibition in 1983; and a United Nations medal commemorating World Food Day in 1984 (1985.0706); bronze medal struck to commemorate the 20th Congress of F.I.D.E.M. at Stockholm, 1985 (1985.0779); 3-part bronze medal commemorating "L. M. Ericsson 1876-1976" by Kauko Raesaenen of Finland, 1975 (1985.0895).

Brenda J. Gilmore: 2 bottles of sun screen lotion, tube of lip balm, frisbee, T-shirt, wristband, key chain, and a canvas bag all used by Ms. Gilmore while she participated in the 1984 U.S. Wheelchair Tennis Championship (1984.1013).

Glass, Pottery, Plastic & Allied Workers International Union (through Harry L. Moore): union charter, patch, coaster, badge, lapel pin, and a button relating to the Glass Bottle Blowers Association and a patch, badge, lapel pin, and a button relating to the Glass, Pottery, Plastic & Allied Workers International Union (1986.0260).

Jeanette G. Glassberg: letter dated June 6, 1831 concerning a U.S. Naval Academy appointment for a grand-nephew of John Paul Jones and a letter with envelope from the Secretary of the Association of the Oldest Inhabitants of the District of Columbia dated November 15, 1914 (1985.0416).

Mrs. Marjorie J. Glassco: Corona standard portable typewriter with case (1986.0082).

Daniel L. and Merel P. Glaubinger: 2 wooden bunk beds used on a liberty ship during WW II (1985.0304).

Elmer E. Goetsch: 1/4-ton jeep truck manufactured by Willy's in 1943 (1981.0915).

Evangeline Goff: Fox portable No. 1 typewriter (1985.0653).

John C. Goff: M-4 artillery sight for a mortar (1986.0221).

Morris Goldsmith: "H H H" commemorative goblet made by the Seneca Glass Company of Wheeling, West Virginia in 1972 and a group of documents about the goblet (1985.0250).

John M. Goodsell: Civil War folding camp chair given to George Goodsell by General U. S. Grant (1985.0713).

Robert Gordan: 9 glass slides and a box of Peerless Typewriter paper slides (1984.0459).

Joyce Sehart Gordon: International Harvester banner (1986.0085).

John T. Gould: rubber stamping device to mark facing slips used by Franklin F. Gould, Railway Mail Service postal clerk, on his last run before retirement on October 26, 1940 (1985.0349).

Lorna Gould: ceramic plate hand-decorated by Ms. Gould with flowers, leaves, and birds, ca. 1952 (1984.0724).

Greg Chandler Gove: burner stove from a Trav-L-Coach trailer, ca. 1934 (1984.0300).

G. M. O. Gracida: polo mallet autographed by Mr. Gracida (1984.0524).

Raymond E. Graglia: Mickey Mouse back scratcher (1985.0275).

Helen Mattson Graham and H. Frazier Mattson: bed cover of English copperplate printed cotton in "Children's Games" design, early 19th century (1985.0645).

Graphic Communications International Union (through Walter Lypka): 26 miscellaneous items relating to the Graphic Communications International Union including hats, brochures, buttons, decals, patches, plastic bags, a pen, pin, bumper sticker, coaster, and stationery (1986.0232).

Estate of Helen C. Gray (through William C. Gray): set of Gray & Davis headlamps for a Winton automobile (1981.0959).

Juanita Gray: badge/ribbon and a Stetson cowgirl hat, both from the International Trick and Fancy Ropers Association Convention, 1983 (1984.0811).

Mary Eloise Green: flour bin with sifter and a wire rack used in a wash boiler for home canning (1984.0958).

Ralph Greenhill: 4-page flyer titled "Gifford Injector for Feeding Boiler," dated 1874 (1986.0585).

Greenland Thompson Pottery: 3 molds, 2 leather templates, wooden lid, ball of clay, and a rectangular chamois (1982.0532).

Steven Gremminger: electric counter-top dishwasher made by the General Electric Company, ca. 1940 (1986.0484).

David A. Grier: 2 French WW I posters (1986.0381).

Alice McGrain Griffith and Preston McGrain: 2-piece ball gown worn by Matilda McGrain Gresham, 1893-96 (1985.0474).

David Grossman: reproduction opaque-white glass creamer in the "Panelled Grape" pattern, 3-part mold in "Panelled Grape" pattern for a creamer, a glassmaker's paddle, tongs, and a tube, all used or made by the Westmoreland Glass company of Grapeville, Pennsylvania in the 20th century (1985.0008).

William C. Grove on behalf of the Charles William Grove Family: Jacobsen rotary mower, 1935-40 (1983.0322).

Dr. Wladyslaw Grzedzielski: 5 Polish harvest staffs (1978.0644).

GTE Laboratories Incorporated (through B. H. Burdine and R. J. Grippo): optical repeater, section of a fiber optic cable, amplifier, terminal light source, light emitting diode, photodiode detector, and a "V" block (1982.0529).

Frank A. Gunther: Zenith FM receiver (1983.0283).

Ron Guth: Vermont copper cent dated 1786 (1986.0529).

Hach Company, Agricultural Division (through Scott V. Brayton): soil analysis portable laboratory (1985.0330).

Mrs. Albert Haertlein: 3 folding squares and 3 sectors (1985.0580).

Julie Link Haifley: 3 woman's dresses, a 2-piece suit, pantsuit, and a coat, all worn by Mrs. Haifley, 1967-72 (1985.0511).

Doris Williams Hailey: 2 U.S. Post Office Department travel passes issued to postal inspector Joseph L. Bristow in 1898 and 1901, and a complimentary pass issued to Mr. Bristow by the St. Louis and San Francisco Railroad Co. in 1899 (1984.0192); funeral service invitation for Postmaster General Henry Clay Payne in mourning envelope, October 7, 1904, an engraved dinner invitation from Postmaster General and Mrs. Gray, and a complimentary railway pass on the Monte Ne Railway issued to the 4th Assistant Postmaster General Joseph L. Bristow, 1902 (1984.0619).

James A. E. Halkect, M.D. and Adam Wesolow, M.D. (Sigmund Adam Wesolowski): 60-piece mechanical heart pump developed by Dr. Halkett and Dr. Wesolow

- (1985.0101).
- Joseph A. Haller: board game, "Mystifying Oracle, the Original Ouija" with planchette, designed and copyrighted by William Fuld of Baltimore, Maryland in 1938 (1986.0541).
- Ives Dulles Hannay: fragment of blue and black patterned silk used as a quilt lining, 19th century (1985.0030).
- F. C. Harding: Uher 4000-L tape recorder (1985.0891).
- James D. Hardy, M.D. and Louise S. Hardy: plastic encased human lung and the heart of a chimpanzee, both the first such organs to be transplanted into a human being, 1960s (1983.0657).
- Harlem Globetrotters Inc. (through R. H. Palmer): 9 cartoons and drawings, 5 posters, 4 pieces of uniform and warm-up clothing, a pennant, and a record with the song "Sweet Georgia Brown" (1983.0782).
- Robert A. Harmon: portable pneumatic drill patented by Henry J. Kimman and an electric hand drill built by the Chicago Pneumatic Tool Company, ca. 1920 (1986.0124).
- P. W. A. Harradine: 5 philatelic covers from the U.S. occupied Philippines censored in 1919 with markings 1802, 1812, and 1814 (1985.0545).
- Karyn Jean Harris: 10 pieces of woman's clothing and accessories, ca. 1970 (1983.0723); 2 woman's bathing suits and a woman's nightgown (1985.0477).
- Irma Harrison: 11 U.S. first day covers, programs, and postage stamps of the Republic of China (1984.0158).
- Betty J. Harvey in memory of Mrs. Mabel Todd: woman's 2-piece silk ball gown, ca. 1876, and a hat, shawl, and fan worn with the dress, late 19th century (1984.1078).
- Elsie C. Harwood: 5 playbills including Richard III with John Wilkes Booth, Lucretia Borgia, Po-Ca-Hon-Tas, Richelieu, and a "'Grand Concert' in Turner's Hall," one featuring J. L. Graves, grandfather of Elsie C. Harwood (1984.0983).
- Max L. Haube: album of 101 photographs, negatives, and a postcard of salmon fishing and canning operations in Petersburg, Alaska (1985.0141).
- Mrs. Emilie J. Haugh: 37-star U.S. national flag with stars formed by clamp-dyeing, made by the U.S. Bunting Co. of Lowell, Massachusetts, 1870s (1985.0493).
- Maud Callaway Hays in memory of Major Ted C. Hays: 47 pressed glass objects in the "Liberty Bell" pattern made by Gillinder & Sons of Philadelphia, Pennsylvania for the U.S. Centennial of 1876 (1985.0371).
- Margaret Healey Hearn: porcelain plate decorated with "Healey Gold" by china painters Mary and Emily Healey (1985.0692).
- Meryem S. and Raymond J. Hebert: 791 Indian numismatic specimens including coins, badges, medals, tokens, weights, and financial documents (1984.0849); 110 U.S. financial documents (1985.0936); 89 U.S. and foreign devotional medals (1986.0086); 20 Bhutanese, Nepalese, Tibetan, and Chinese coins and currency and 2 cowrie shells (1986.0087).
- Raymond J. Hebert: group of 13 Abrus Prectorius seeds used as weight standards for currency (1985.0366).
- Lawrence C. Heim: 14 U.S. Air Force uniforms (307614).
- William F. Helfand: 4 patent medicines including Grove's Chill tonic, Peterson's ointment, a physician's sample of Iodex, and a professional packet of medicine dressing and 2 trade tokens including a 1963 U.S. penny in aluminum frame from Ray's Central Drug of Seminole, Oklahoma, and a "10 cents in drinks" token from Canton Drug of Canton, Oklahoma (1985.0464).
- Edward L. Heller: 3 slide rules (1984.1068); concise CTSC-552 slide rule and



Atomic Energy Commission calculating rule, both in cases (1985.0636); Controller circular slide rule in case (1985.0788); gasoline 1-burner cooking stove, 1942, and an Eisenhower-style field jacket (1986.0099).  
 Laura S. Hemenway: handwoven coverlet made in 3 sections, 19th century (1986.0289).  
 Esther S. and James C. Henderson: 8-column carriage comptometer, ca. 1904 (1982.0234).  
 Mrs. Nellie G. Hendrickson: TV cabinet for a 1948 RCA Model 630TS, and a mineral oil magnifier lens for a small screen television set (1983.0307).  
 Leigh E. Herman: surveyor's transit and case made by William J. Young & Sons of Philadelphia and a surveyor's chain made by Keuffel & Esser Co. of New York (1985.0800).  
 John Herron: pair of short chaps (1979.0252).  
 Hershey Foods Corporation (through Donald J. Struke): 4 dummy 1-ounce Hersey's Tropical Chocolate Bars, 2 U.S. Army type D ration bars, and a dummy 48-ounce box of type D ration cakes dated January 1942 (1977.0865).  
 Marvin Heuer, M.D.: 3 shopping bags made of paper and twine, all examples of bags invented and patented by Walter H. Deubener in the 1920s (1986.0030).  
 Mary Darling Hewes: campaign lantern, "Lincoln and Johnson," 1864 (1986.0066).  
 Major William C. Hickson, USAF (Ret.): 30-star U.S. national flag, July 4, 1848 to July 3, 1851 (1985.0575).  
 Martha D. and T. Jeff Hill: 2 mailhawks developed by Mr. Hill to extend the reach of rural mail carriers (1985.0348).  
 Norma J. Hirsh, M.D.: air lock unit developed by Dr. Allan Bloxson to resuscitate newborn infants, 1952 (1984.1072).  
 Dan and Nita Hobaugh: 2 vibroplex telegraph keys (1985.0885).  
 Dr. U. Hochuli: 15 laser discharge tubes made of various metals and alloys (1985.0278).  
 Kenneth F. Hodges: electric waffle iron made by Westinghouse Electric and Manufacturing Company of Mansfield, Ohio, 1939-40 (1985.0835).  
 Steven E. and Susan S. Hodges: 49 foreign bank notes (1986.0353).  
 Barry D. Hoffman: Massachusetts Militia officer's uniform coat and a silver epaulette from the War of 1812 (1984.0592).  
 Dustin Hoffman: 9-piece costume worn by Dustin Hoffman in lead role in the movie Tootsie (1984.0549).  
 Ensign Kristine Holderied: 4-piece full dress uniform of a U.S. Naval Academy Midshipman worn by Ensign Holderied, the top ranking graduate of the Class of 1984 (1984.0784).  
 Nannie T. and Virginia Hollerith in memory of Herman Hollerith: 3 medals and a diploma awarded to Herman Hollerith for his electric tabulating system, ca. 1890 (1985.0200).  
 Chap. Anthony W. Hollis: 19-piece Protestant chaplain's combat altar and Communion kit issued in 1967 (1986.0439).  
 Stu Holzman: Johnson Type J fare box, ca. 1935 (1984.0353); Type K fare box (1984.0744); 4 bus company hat badges, 2 change carriers, service pins on a bar, name pin, and a ticket punch (1985.0080).  
 Estate of Dorothy Nye Holway (through Ellen N. Holway): book, Dinsmore's American Railroad & Steam Navigation Guide (1984.0161).  
 Theodore C. Hooker: German Luger pistol with accessories (1984.0947).  
 Florence Vincent Hopka: timer for washing machine, patented in the 1920s (1984.0095).  
 Jane Horrocks: Girl Scout sash with 9 badges and 3 pins attached and 3 separate badges (1986.0019).  
 Theodora C. Hoskinson: child's toothbrush made of silver, glass, and natural

bristle by "Towle Mfg. Co., Newburyport, MA," 1948 (1985.0727).

Edwin A. Hough: Japanese officer's full-dress uniform including coat, trousers, and cap, 2 Japanese officer's dress shoulder knots, a sword knot, silver colored metal insignia box, and a wooden talisman (318009).  
Howe Press, Perkins School for the Blind (through Harry J. Friedman): children's book written in braille titled Little Bunny Follows His Nose (1984.0792).

Juanita I. Howell: set of matching man's and woman's rodeo outfits, 2 cowboy hats, 2 trophies, corduroy culottes, leather jacket, saddle blanket, and horse blinkers used by Chet and Juanita Howell on the professional rodeo circuit, 1930s-40s (1985.0890).

Howmedica, Inc. (through D. Fitzgerald): Flatt finger joint internal prosthesis (1984.0667).

Dr. William D. Hoyt: oil painting, View of Cornish, New Hampshire by Ellen Axon Wilson, 1913 (1986.0511).

David R. Hudgel, Jr.: "Pennsylvania Turnpike" automobile license tag, ca. 1950 (1983.0506); replica of a map showing the area covered by the San Francisco Post Office as revised in 1961 (1984.0830).

A. A. Huebner: Parcel Post scale made by the Triner Scales and Manufacturing Co., Chicago, Illinois, ca. 1932; 3-wheeled city collection cart with leather bag, 1965-70; and a canvas collection bag (1985.0354).

Ellen Roney Hughes: 2 pairs of girl's field hockey shoes and a pair of boy's soccer shoes (1986.0017).

Paul R. Humphrey: Capehart phonograph record changer which automatically turns over a record and plays the flip side, 1940s (1984.0162).

Joan and Richard Dale Humphrey: set of 85 date nails for use by the Kansas City Southern Railroad to determine the service life of cross ties, 1900-83 (1983.0788).

John E. Hurt: hunting knife with sheath, ca. 1850 (1983.0148).

Noyes Huston: tintype with image of the locomotive and tender H. A. Henry and a half-plate ambrotype with image of locomotive and tender, both encased (1984.0072).

James S. Hutchins: 9 mounted albumen photographs of saddles and a leather album containing 22 tintypes of saddles, 1870s (1985.0228).

Philip L. B. Inglehart: silver polo trophy for the "Sparrowhawk Championship," September 1926 and a polo jersey, 1930s (1984.0804).

University of Illinois at Urbana-Champaign, College of Applied Life Studies, Department of Physical Education (through Prof. Rollin G. Wright): 19 devices used to take measurements before and after exercise and 2 groups of records from sports medicine experiments (1984.0561).

Industrial Union Department AFL-CIO (through Elmer Chatak): badge, "AMERICAN FEDERATION OF LABOR CONGRESS OF INDUSTRIAL ORGANIZATIONS," sheet of stationery, and a union label, all relating to the Industrial Union Department, AFL-CIO (1986.0334).

Mrs. Paul T. Insley, Sr.: Lincoln campaign pin, 1864 (1986.0010).

International Alliance of Theatrical Stage Employees and Moving Picture Machine Operators of the United States and Canada (through Barbara W. Robinson): registered union label, sheet of stationery, patch, sheet of 3 labels, and a booklet, all relating to the I.A.T.S.E. and a plaque for the I.A.T.S.E. & M.P.M.O. (1986.0341).

International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers (through C. W. Jones): 2 decals, 2 badges, a patch, and a lapel pin, all relating to the International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers and a

first day cover marked "Organized Labor Proud and Free" (1986.0237).

International Brotherhood of Electrical Workers (through Jack F. Moore and Charles H. Pillard): lapel pin, "IBEW;" decal, "Union Made;" and a button, "I.B.E.W." (1986.0235).

International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America (through Weldon L. Mathis and Jackie Presser): convention badge, label, and a sheet of stationery, all relating to the International Brotherhood of Teamsters, Chaffeurs, Warehousemen and Helpers of America (1986.0348).

International Chemical Workers Union (through Frank D. Martino): 3 buttons, a sheet of letterhead, leaflet, and a pamphlet, all from the International Chemical Workers Union (1986.0294).

International Die Sinkers' Conference (through James H. Anderson): 2 sheets of stationery, a booklet, and a lapel pin, all relating to the International Die Sinkers' Conference (1986.0265).

International Ladies' Garment Workers' Union (through Jay Mazur): 2 sheets of stationery, a union label, patch, roll of union labels, lapel pin, and a button, all relating to the ILGWU (1986.0344).

International Leather Goods Plastic and Novelty Workers' Union (through Randolfo Bobe): 2 buttons, 2 sheets of stationery, a badge and a label, all relating to the International Leather Goods Plastic and Novelty Workers' Union (1986.0347).

International Longshoremen's Association, Local No. 24 (through LeRoy Bruner and R. M. Trapp): lapel pin and a sheet of stationery for the International Longshoremen's Association, Local No. 24 (1986.0264).

International Plate Printers, Die Stampers and Engravers Union of North America (through James Louis Kopernick): 3 certificates used for transfers, memberships, and credentials; 2 seals; a membership card; and a sheet of letterhead, all used by the International Plate Printers, Die Stampers and Engravers Union of America (1986.0295).

International Union, United Plant Guard Workers of American (UPGWA) (through Francis E. Fitzpatrick): 2 UPGWA decals, patch, and a sheet of letterhead (1986.0329).

International Union Allied Industrial Workers of America (through Dominick D'Ambrosio): 7 buttons, 2 bumper stickers, 2 stickers, and a sheet of stationery, all relating to the Allied Industrial Workers of America (1986.0360).

International Union of Electronic, Electrical, Technical, Salaried and Machine Workers, AFL-CIO (through Jerry Borstel): 2 envelopes, 2 sheets of letterhead, a lapel pin, handout, and a news release, all relating to the International Union of Electronic, Electrical, Technical, Salaried and Machine Workers, AFL-CIO (1986.0296).

International Union of Operating Engineers (through Francis Hanley): lapel pin, sticker, union label, and a sheet of stationery for the International Union of Operating Engineers (1986.0355).

International Union of Police Associations (through Robert B. Kliesmet): lapel pin and a sheet of stationery for the International Union of Police Associations (1986.0335).

Anahid Iskian: tan leather combination lock suitcase with a blue canvas cover, 1940-45 (1985.0058).

Government of the State of Israel, Ministry of Communications, Philatelic Services: 8 first day covers and a mint stamp of Israel (1983.0518); 9 first day covers of Israel (1984.0334); 10 first day covers of Israel (1984.0671); 9 first day covers of Israel (1985.0234).

Marion Israel: woman's gold bracelet, 1870-79 (1985.0661).

Faith R. Jackson: miniature steamship model in a bottle (1985.0044).

Jane B. Jackson in memory of C. Bremner H. Jackson: 4 German horsehair plumes for Cavalary helmets; a pair of white cotton stockings, 1820-60; and a butternut frock coat with Virginia state buttons, Civil War period (1983.0860).

Virginia Jackson: Roll of Honor certificate and a Defense and Liberation medal and certificate, WW I; 4 medals from WW II; and a Recognition of Service from President Lyndon B. Johnson, all awarded to Virgil A. Jackson (1984.0918).

George Jacobs: radio receiver powered by a thermoelectric kerosene lamp made for internal short wave programming in the U.S.S.R. (1984.0019).

The Bank of Japan (through Katsuhiko Oura and Yoshiaki Toda): 6 Japanese yen notes (1984.1043); (through Katsuhiko Oura and Kazuhiko Sugimoto): 2 500-yen coins issued in commemoration of TSUKUBA EXPO '85 (1985.0322); (through Kazuhiko Sugimoto and Kozo Tsukagoshi): 2 500-yen coins commemorating the centennial anniversary of the Cabinet system in Japan, 1985 (1986.0035).

Clinton E. Jencks: 39 pieces of labor history memorabilia, 1878-1967 (1985.0678).

James J. Jetzer and Roy Van Sluys: ship's capstan manufactured by Boston Machine Company (1985.0152).

Jockey International (through William C. Herrmann): 2 pairs of woman's panties and a pair of man's shorts, 1985 (1985.0665).

Mary Louise Johnesse (through Harry A. Calevas): 2 miner's candlesticks (1986.0320).

W. Brooke Johns: 8 phonograph records with performances by Mr. Johns (1984.0133).

Alma G. Johnson: nurses' aide uniform made from a sheet by Mrs. Johnson for her daughter during WW II (1984.0683).

Huey D. Johnson in memory of Mrs. Joyce Johnson: 2 sets of salt and pepper shakers, a lidded syrup jug, sugar shaker, and a table lamp, all in "Maize" pattern art glass, 1889-1910 (1983.0367).

Margot Johnson, Inc. (through Margot Johnson): invalid's chair (1985.0011).

Evelyn A. Johnstone: violin made by Leopold Widhalm of Nurnberg, Germany, 1760-82 (1985.0794).

The Jolson Centennial Committee (through Nathaniel P. Berman): 7 phonorecords and 4 pieces of sheet music, all by Al Jolson (1985.0256).

Anthony L. Jones: 2 posters labeled "Vote Here" and "Another Vote For Reagan" (1985.0067).

Candace M. Jones: 4 political leaflets (1985.0525).

Thomas J. Jones: 11 tickets, 9 official programs, 2 tour books, 2 illustrated envelopes, a souvenir shield, stadium sculpture, post card, miniature shorts, ashtray, and a sheet of stationery, all from the Los Angeles Olympics, 1932 (1984.0449).

Margaret Jongbloet in memory of Louis A. Jongbloet: 3 books of the history of ancient art, 1789, and a book about the City of Brussels, 1785, all bearing the bookplate of William Short and a book with a map of the City of Washington, 1793 (1985.0424).

George E. Jordan: printed paper mache devil's head used in Mardi Gras parades in New Orleans, Louisiana, made by Joseph E. Barth III, ca. 1975 (1985.0560).

Joyce A. Judd: copy of the "Ratified Treaty of Peace, Feb. 20, 1815" between Great Britain and the United States with an envelope (1986.0065).

Evelyn K. Judge: taped interview with Elizabeth Chavis on February 25, 1983, concerning her son, Ben Chavis, and the "Wilmington 10" (1985.0204).

Junior League of Northern Virginia (through Karen S. Spence): woman's nightgown, 1925-35 (1985.0840).

Alvin Robert and Marjorie Sered Kantor: 10 documents, proclamations, and accounts concerned with the early establishment of the U.S. postal system dating from 1711 to 1799 (1984.1127); letter written by Joseph Warren to the Lieutenant Governor and Company of Rhode Island dated June 15, 1775 which bears the only known marking of the Constitutional Post (1985.0970).

June C. Karamessines and Vera C. Parmiter: document from South Carolina dated 1710 and a Deed of Trust with ribbons and red wax seals dated June 15, 1812 (1978.0648).

Yolande Romsey Kaswell: woman's gym shorts and a gym suit with bloomers (1984.0888).

Lucille D. Kaufman: woman's robe designed by Emilio Pucci (1985.0920).

John W. and Patricia A. Kaufmann: private carrier letter typewritten by Charles Thurber, inventor of the typewriter, to Lewis Thurber Lazell, Esqr. on July 31, 1844 (1984.0564).

John L. Kay: 6 cacheted covers cancelled during the last run of Trains 3 and 4 of the New York and Washington Railway Post Office service on June 30, 1977 (1985.0345).

Ben Kaye: phonorecord of "The Ballad of America" composed by Mr. Kaye (1985.0877).

Eleanor L. and John S. Kebabian: hydraulic pump patent model designed by James B. Eads to remove sand and silt from river bottoms, patented July 5, 1870 (1985.0958).

John S. Kebabian: Fillister plane patent model patented by William S. Loughborough of Victor, New York on May 10, 1859 (1985.0013).

Fred S. Keller: teaching machine developed by B. F. Skinner for animal training (1985.0075).

Nancy F. Kendall: 4 Christmas light bulbs (1984.0005).

Eldridge D. Kendrick: television receiver made by the Hotpoint Co., a division of General Electric, purchased by Mr. Kendrick on December 7, 1957 (1984.0213).

Kenmore Stamp Company (through H. E. Harris, Jr.): 61 mint stamps, 8 souvenir sheets, a postal card, and a first day cover commemorating the 1980 Winter Olympic Games at Lake Placid, New York (1984.0452).

Gordon Kennedy: refined earthenware pitcher in the "Wild Boar" motif by Edwin and William Bennet of Baltimore, Maryland, ca. 1852; a pale green glass bottle; and a footed cut glass salt cellar (1983.0771).

Helen Kennedy: Pilling McCallie audiometer used to measure hearing, ca. 1911 (1984.0703).

Thomas J. Kenney: 2 Chinese amulets (1985.0325).

Barbara A. Keppel: 446 pieces of chemical glassware and laboratory apparatus (1985.0311).

Claudia B. Kidwell: 9 pieces of girl's clothing worn by Alison and Rachel Kidwell, 1971-81 (1985.0667).

Eric B. T. Kindquist: 5,281 world-wide stamps, covers, and postal stationery items (1982.0556).

Estate of Thelma Kinz (through Dorothy M. Test): 2 stereocards of "Park Row and Post Office" in New York and a stereocard of a mail steamer arriving in New York Harbor (1985.0761); 16 stereographic view cards (1985.0763); 5 stereographs of a White House wedding (1986.0155).

Richard D. Kirby: electronic integrated circuit and a miniature electronic

circuit (1984.0110).

Donald W. Kitzman: 24 postal documents and 6 philatelic covers (1986.0068).

Frank E. Klapthor: lot of 21 pieces of Fortuny print samples made by Mariano Fortuny of Venice, Italy, pre-WW II, and 2 fragments of Wilton carpeting, 19th century (1985.0157); croquet mallet and ball and a golf club (1985.0886).

Margaret B. Klapthor and Mary Berry Moore: 5 Girl Scout artifacts, 3 tennis rackets, a Victor phonograph record and index of Victor records, Lion's International paperweight, Knights of Columbus wallet with traveling cards, book of the philosophy of the Odd Fellows, and a booklet of sermons (1984.0305).

Harold Klein: U.S. Navy wooden alarm "battle" rattle, 1861-65 (1984.0342).

Stewart E. Kleinschmidt and Doris Knight: 41 telegraph apparatus (1978.2209).

Estate of Dorothea Elizabeth Klemme (through Katharine V. Shade): lawn mower patented by Herbert B. Newton on April 5, 1927 (1985.0285).

Dr. Joseph H. Kler (through Marjorie Kler Freeman and Mary Kler Heisinger): 98 pewter objects reflecting the development of the pewterer's craft in America from the 17th through the 19th centuries (1986.0027).

Russell and Ruth S. Kletzing: Cranmer abacus, Takeda abacus, and a Monroe calculator which has been converted to braille (1983.0831).

Robert L. Klinger: souvenir medalet of the USS Kane commemorating the discovery of the Kennedy Channel and the Kane Basin by Elisha Kent Kane, 1853-54 (314638); 2 colored lithographs of WW I German and U.S. naval subjects (1984.0795).

Jerome Klingfus: double-acting hydraulic air compressor manufactured by the Bishop and Babcock Company of Cleveland, Ohio, portions patented in 1894, 1895, and 1908 (1985.0803).

Robert A. Klitzner: Loyal Order of Moose emblem (1984.0801).

Wm. B. Knapp: cigarette card featuring Annie S. Peck (1986.0015).

Frank M. Knox: vase of bocote wood ornamentally turned by Mr. Knox on his Holtzapffel lathe in April 1974 (1985.0483).

Robert B. Knox: piece of sheet music, "Ballad of the Unknown Soldier," words and music by Robert B. Knox, 1984 (1985.0509).

William H. Koch: drawing compass, sector by Le Maire of Paris, and a set of drawing instruments by Weickert of Leipzig (1984.1070).

Estate of Roland A. Kollbeck (through Ursula V. Reuther and Sonja K. Wennerstrom): Connecticut D-Skidder automatic passenger car road sander, made by Connecticut Telephone & Electric Corporation (1984.0393).

Ellen S. D. Kominers: book titled Pat Paulsen for President by Mason Williams with Jinx Kragen, 1968 (1985.0205).

Herschel Kopp: cased novelty pinfire pistol with cleaning rod and 25 cartridges (1982.0298).

Edward and Liliane Kramer in loving memory of Alfred W. Kramer: 16-piece "Architects' Tea Set" decorated with views of early American buildings, made by Lenox, Inc. of Trenton, New Jersey in 1933 (1984.1088).

Kenyon Kramer, M.D., LTC, MC: F. A. Hardy & Co. optician's trial case of lenses, ca. 1890, and a DeZeng direct ophthalmoscope in case (1985.0092).

Jeffrey L. Kraskin, O. D.: scleral contact lens cabinet containing 3 original trial lenses, ca. 1940 (1985.0600).

Col. Robert G. Krause: 23 pieces of insignia and uniform medal decorations and a pair of socks (1985.0164).

Carol L. Kregloh: curling iron and stand, 1900-30 (1981.0919).

Laszlo Kutas: 2 foreign medals, one honoring Lukacs Gyorgy designed by Lutzlo Kutas and the second honoring Giorgio Vasari, signed Fortana (1985.0754).

Herbert J. La Sauce: pair of metal roller skates, ca. 1929 (1986.0384).

Lam Building Corporation (through James A. Lam): 2 Maihak diesel engine indicators and a Schaeffer & Budenberg steam pressure guage testing apparatus (1986.0467).

Arthur E. Lamb, M.D.: pneumothorax apparatus and a lead apron (1985.0408).

Lancaster-Fairfield Community Hospital (through Joseph D. McKelany): rocking bed used to aid the breathing of premature infants, made by Air Shields Company, 1960s (1985.0676).

John P. Langelier: officer's forage cap insignia, 1895-1902 (1985.0540); helmet with a puggree used in the Philippine Islands, ca. 1902 (1985.0745); enlisted man's hat cord of the U.S. Signal Corps, 1891-98 (1986.0386).

Dr. Leonard Langman: Synchronous World Clock, number 14, conceived and made by Thomas Shannon (1985.0708).

Lapua Cartridge Factory (through Horst Zimmerbauer): small arms cartridge display board containing 29 cartridges and 6 bullets (1983.0703).

Constance Stuart Larrabee: appointment to the U.S. Military Academy at West Point dated March 11, 1908 and a uniform coat of the WW II period, both belonging to Lt. Col. Sterling Loop Larrabee (1985.0390).

Laser Alignment Inc. (through Bob Ford): Rod Eye-2 sensor (1985.0360).

Lasertron Inc. (through Gary Geller): 3 stainless steel components and 3 ceramic pieces cut by laser (1985.0271).

Arthur E. and Margaret L. Lassonde: wooden chest belonging to Captain George Perkins, USN, containing a metal saw and a reaming auger, 3rd quarter of the 19th century (1985.0726).

Fred Lathrop, Jr., M.D.: glass transfusion apparatus for infants, 1935 (1984.1010).

Dr. Asuncion Lavrin: 5 religious prints (1978.0646).

Jack Lawson: 203 mint and used stamps of Turkey (1986.0400).

League of Women Voters (through Dorothy S. Ridings): 24 transcripts, documents, press kits, programs, press releases, posters, and a banner from the League of Women Voters 1984 Presidential Debates (1985.0261).

League of Women Voters Education Fund (through Dorothy S. Ridings): 11 documents, 6 buttons, 3 balloons, 2 T-shirts, 2 cassette tapes, a paper bag, and a banner, all from the "Taking Charge" voter registration drive, 1984 (1985.0257).

Fran Lee: mitten cut from a sweater, sock cut from a sleeve, cap, knitted square, bikini cut from a sweater, can holders, and an earring made from a can holder, all from the career of Miss Lee as a consumer advocate and advisor (1985.0175).

Norman D. Lee: 21 WW I U.S. Navy enlisted man's uniforms and uniform items, 3 training manuals, an officer's seabag and cover, Victory Medal, and a U.S. Naval Academy Yearbook, The Lucky Bag, 1922 (1986.0506).

Hannah N. Lehenbauer, Roy H. Lyons, and Marcus A. Stortroen: Universal electric mixer (1982.0120).

Marcella M. Leppien: 3-piece "Uncle Sam" suit worn by Wilburt E. Leppien, a portrait and a set of 6 photograph cards of Mr. Leppien as "Uncle Sam," and a U.S. flag (1984.0974).

Isadore Levin, M.D.: inventor's prototype of the Levin mobil-bath (1984.1103).

Alan and Elaine Levitt: Ajax watch insulator (1985.0955).

Eula B. Lewis: 7 pieces of woman's clothing and accessories, 5 pieces of infant's clothing and shoes, 3 girl's dresses, a man's bow tie, and a pair of boy's gloves (1983.0810); wooden trunk, 1920-40 (1984.1126).

Grace E. Lewis: watch in silver travel case (1984.1130).  
 Library of Congress Philatelic Club (through Richard E. Henthorn): 759 world-wide used postage stamps (1984.0382).  
 Joel F. Liebman: 96 pieces of microanalytical chemical glassware (1985.0748).  
 Mrs. Max Liebman: tape recorder, amplifier, microphone, and stand (1984.0020).  
 Marla Ann Lind: uniform worn and materials used by Marla Ann Lind, the Official Hostess of the 1984 Los Angeles Olympic Games (1984.0943).  
 H. L. Lindquist Publications Inc. (through James A. Morton, Jr.): 1,536 philatelic covers, 7 cachets, and 3 post cards from around the world (1984.0224).  
 Marjorie Van Roden Lis: U.S. Navy enlisted man's dress blue uniform jumper, bell-bottom trousers, flat hat, and a neckerchief, all WW I (1984.0142).  
 John Lockwood: plastic figure of "Mighty Mouse" with a red cape, late 1950s (1985.0635).  
 Loral Electro-Optical Systems (through Donald L. Rowe): Miles infantryman's harness and helmet band and a MIG rifle transmitter assembly (1984.0902).  
 Jack Lord: .38 caliber Colt "Cobra" revolver with holster used by Jack Lord in the television series "Hawaii 5-0" (1984.0420).  
 Los Alamos National Laboratory (through Judy A. Morris): glass vial containing approximately 100 ICF targets (1985.0143).  
 Los Angeles Olympic Organizing Committee (through Carol C. Daniels): 17 artifacts relating to the 1984 Olympic Games in Los Angeles, California (1985.0297).  
 Franklin Loucks, Jr.: 87 pieces of U.S. Navy Reserve officer and enlisted men's uniforms and uniform items, WW I (1984.1025).  
 Louisiana World Exposition, Inc. (through Petr L. Spurney): costume of Seymore D. Fair, pelican mascot of the 1984 Louisiana World Exposition (1984.1041).  
 LaVerne M. Love: key chain, newsletter, membership brochure, and a folder from the 1978 International Women's Year meeting in Washington, D.C. (1978.1036).  
 Pearl Loveall: photograph of a broom presented to Mrs. Benjamin Harrison in honor of the presidential inauguration on March 4, 1889, by Jas. Peery & Co. of Humboldt, Kansas (1984.0876).  
 Hannah E. Lowe: LCD wrist watch with Optel movement by Wittnauer, Swiss-made quartz LCD wrist watch, and a Dynotron mechanical/electronic watch (1985.0961).  
 Judith N. and Milton L. Lowell, M.D.: Felt and Tarrant comptometer with pamphlet, ca. 1910 (1985.0120).  
 Carol E. and Ted Lowry: annunciator (1985.0737).  
 Eurania M. Loye: photograph of President James A. Garfield and a photograph of his mother, Eliza Ballou Garfield (1985.0944).  
 Victor J. Lucas: farm wagon built by the Kramer Wagon Company in the 1930s (1984.0743).  
 LUCASFILM, Ltd. (through Howard Roffman): 2 robot costumes, Artoo-Detoo and See-Threepio, both from the Star Wars saga motion pictures (1984.0302).  
 Jerold F. Lucey, M.D.: phototherapy unit with set of light bulbs used to treat hyperbilirubinemia in premature infants (1985.0163).  
 Dennis B. Ludlow: unused postage stamp of Queensland, Australia (1985.0585).  
 Philip K. Lundeborg, Ph.D.: 14 items of U.S. Navy Reserve officer's uniform and uniform items, ca. 1970 (1985.0189).  
 Barbara M. Luther: notebook issued by The Office of Women's Activities, Democratic National Committee, Washington, D.C., ca. 1960 (1985.0130).  
 Francis L. Lynch: fragment of printed cretonne fabric and fragment of



"linsey-woolsey" fabric (1986.0288).

Arthur Lyon: diary of a motor trip from New York to Managua, Nicaragua, 1930 (1985.0609).

Dr. Kenneth C. MacKay: 4 pairs of painted and embroidered plainweave muslin curtains from the McKay-Lum household in Madison, New Jersey, early 20th century (1986.0287).

John E. MacKenty: Ernst Leitz "Wetzlar" microscope, Carl Zeiss "Jena" microscope, and a Taylor Instrument Co. "Tycos" recording sphygmomanometer (1984.0640).

Sarah E. Macklin: 5 daguerreotypes, 3 tintypes, and an ambrotype of portraits of various people (1985.0289).

Mrs. Macombe: pair of woman's shoes, 1806 (1985.0951).

Macro Systems Inc. (through Frank J. Quirk): Perkin-Elmer Interdata 7/32 minicomputer consisting of a set of panels, set of 3 circuit boards, central processing unit, and a power supply (1983.0714).

Joseph F. Madeo, Jr.: flare gun with flares made by the International Flare Signal Co., ca. 1930 (1979.0414).

Christine M. and Christopher M. Magee: 15 items of children's clothing (1985.0792).

Larry Magid: Seeburg "Symphonola" jukebox, ca. 1935 (1984.0607).

Henry Ellicott Magill (through Richard E. Allen): framed embroidered silk pastoral scene possibly sketched by Samuel Folwell and embroidered by a school girl in the early 19th century (1986.0190).

Robert F. Mahar, D.D.S.: McConnell portable dental chair made by Southern Novelty Works, ca. 1911 (1985.0902).

Margaret U. Malone: 3 medals, a pennant of the 309 Machine Gun Squadron, bronze collar insignia, and a copy of orders from General Pershing, all of which belonged to Sgt. John Peter Schwoebel during WW I (1984.0685).

Manhattan Bridals and "Tux" Stores (through Michael Newhall): 2 man's hats, a top hat, 1850-70 and a derby, 1880-1940 (1985.0711).

Mrs. Florence M. Manley: U.S. Navy enlisted man's hat ribbon embroidered "USS OHIO," WW I (1984.0152).

Milo C. Manly: black and white photograph of the 9th Annual Conference of the National Urban League, held in Kansas City, Missouri, October 16-19, 1923 (1985.0905).

Beatrice Perry Marcus: "Pocket" Seneca camera with a glass plate film holder and an Eastman Kodak film pack adapter (1986.0106).

Jack Markowitz: Burroughs electro-mechanical typewriter (1985.0952).

James Marks II: necklace with cross and 8 buffalo nickels given to a newborn Gypsy baby and a red rayon sash worn at a Gypsy wedding (1985.0971).

Caryl Marsh: woman's black lambskin leather Yves Saint Laurent skirt and an off-white sweater, 1978-79 (1985.0668).

Dr. W. T. Marshall: pair of pince-nez spectacles, ca. 1900 (1985.0502).

Albert R. Marti: 19 postcards of U.S. Naval warships, ca. 1910 (1985.0903).

Chester Martin: bronze Food and Agriculture Organization (FAO) medal struck to commemorate World Food Day, October 16, 1984 by U.S. medallist Chester Martin (1985.0913).

Maryland State Highway Administration (through Thomas Hicks): Maryland U.S. 40 route marker sign, ca. 1950 (1984.0937).

Eva B. Mason: "Localizing Induction Pad" electric blanket with booties and head covering used by a polio victim for heat therapy, 1920s (1984.0913).

John R. Mason: 1918 cover franked with a demonetized 3-cent U.S. postage stamp of 1857 issue (1985.0569).

Mary W. Mason: 19 dance programs, ca. 1920 (1985.0402).

Frank M. Masters, Jr.: book titled The Merchant and Seaman's Expeditious Measurer..., 1922 (1986.0509).

Rebecca Matthias: 5-piece maternity outfit for a business woman, 1985 (1985.0663).

Maurice PNC's: first day cover commemorating Maine Statehood issued July 9, 1970 (1984.0514).

J. O. McCall, M.D.: 6 books written by Dr. John Oppie McCall about dental techniques and the dental profession, and an engraved gavel and the Fones Medallion Award given to Dr. McCall (1984.0643).

Earl A. McClain: Marchant calculating machine (1985.0821).

Jean P. McCormick: 53 items of U.S. Army insignia, uniform accessories, and equipment, a flag, and a folio of Ogden Uniform Study Plates, 1941-50 (1982.0652).

2nd Lt. Shannon L. McGurk: coat, trousers, boots, scarf, and a belt composing a uniform from the Officer's Training School at Fort Benning, Georgia, 1982 (1984.0295).

Dorothy M. McHenry: gold watch presented to Senator Steven A. Douglas on a trip to California in 1859 (1985.0852).

Eugene C. and Francis E. McKay: safety razor kit issued to Francis E. McKay upon entry to active military duty at Camp Lee, Virginia in July 1943 and used by Eugene C. McKay while serving in the U.S. Navy in Vietnam until 1969 (1985.0229).

Mary Ursula McLaughlin: 8 badges, 3 buttons, and a silver fob, all relating to the Pittsburgh Fire Department and Fireman's Association, 1910-15; a metal match box marked "McCathy's;" and an advertising can opener (1984.1038); 6 school and organization pins, a high school ring, 1929, and a membership card from the Loyal Order of Moose, 1964 (1985.0804); 5 medals for Mexican Border Service by the Michigan and Pennsylvania National Guards, ca. 1916, and 2 lapel pins and a medal for Spanish-American War service, 1898 (1986.0096).

David J. Mears: 35 pieces of political memorabilia including buttons, posters, documents, bumper stickers, bags, tickets, a tie clip, record, and an "Inaugural Spectacle" edition of LIFE magazine, 1960-76 (1985.0362).

Mechanics Educational Society of America (through Robert W. Briggs): 2 buttons and a sheet of stationery for the Mechanics Educational Society of America (1986.0268).

MedaSonics (through Tom Rice): Doppler model BF3A blood flow fetal pulse detector ultrasound stethoscope and an automatic speaker SA-2 with a wire connector (1986.0416).

Medtronic, Inc. (through David Levy): Classix model cardiac pacemaker (1985.0148).

John Megel: 2 letters of correspondence, one dated August 7, 1939 to Mr. Lewis signed by Eleanor Roosevelt and the other dated March 4, 1938 to Mrs. Grueninger from Malvina R. Scheider, secretary to Eleanor Roosevelt, both relating to Gypsy-Americans (1985.0442).

Betty J. Meggers: 3 maximum cards, a souvenir card, and a first day cover, all related to the 1985 International Philatelic Exposition at Madrid, Spain (1985.0696).

Vernon H. Meier: rural letter carrier's leather mailbag, ca. 1920 (1986.0172).

Grace Mellon: General Delivery window unit from the Arvonnia, Virginia Post Office, ca. 1905 (1985.0389).

Ink Mendelsohn: sheet music for the song "But Beautiful" from the motion picture Road to Rio (1986.0031).

Patricia and Sewall H. Menzel: 55 Spanish Colonial coins (1984.1123).

Sewall H. Menzel: 4 silver Spanish cobs struck at Potosi (1985.0239); provisional issue 2-reales coin of Honduras dated 1824 (1985.0331).

Robert T. and Rose S. Merriam: Revolutionary War period silver epaulet attributed to Major Moses White (1985.0451); diary account book of Elizabeth Amelia White, 1791-1805 (1985.0469); 2 daguerreotypes, an ambrotype, carte de visite, and a set of 3 silhouettes, all of members of the Merriam, Putnam, and White families (1985.0472).

Olive G. Merritt: set of 68 little wax patterns for penny candy used as salesmen's samples (1984.0862).

Metal Trades Department, AFL-CIO (through Paul J. Burnsky): tie tack, badge, and a sheet of stationery for the Metal Trades Department, AFL-CIO (1986.0339).

Mexican Border Veterans Incorporated (through Howard M. Hubbard and Fabian E. Johnson): 2 flags with poles, eagles, and cases, 2 hats, and a felt pennant, all relating to the Mexican Border Veterans (1984.0781).

Marie Mims Meyer: diesel engine made for use in powered ships by the Atlas Imperial Diesel Engine Company of California, 1941 (1985.0282).

Carol E. Meyers: 2 supplemental mileage ration cards for extra portions of gasoline during WW II (1984.0818).

E. B. Meyrowitz, Inc. (through Robert G. Luckie, Jr.): microscope used in cornea surgery manufactured by E. B. Meyrowitz, Inc. of New York, ca. 1900 (1984.0064).

Mary G. Millar: glass mug labelled "KNIGHTS of LABOR," late 19th century (1986.0169).

Ann Miller: pair of tap shoes named "Joe" and "Moe," worn by Ann Miller, 1939-84 (1984.1012).

Dorothea S. Miller: pair of man's silver military brushes, 1920-60 and a 2-piece man's suit, 1955, used by Frank C. Miller (1983.0851).

Martin R. Miller-Hessel: double page of the Alabama Journal of Selma dated March 22, 1965 containing public service commentaries on the forthcoming voter registration demonstration (1980.0508).

Miriam Gallogly Millies: Lyon & Healy concert harp with string gauge, tuning hammer, and case, ca. 1893 (1985.0440).

Basil and Georgia Taylor Milovsoroff: 3 puppets named "Baba Yaga," "Koschei," and "Leshyi" and a painting titled Hat on Chicken Legs, all made by Basil Milovsoroff (1985.0398).

Minnesota Historical Society, Division of Archives & Manuscripts (through J. M. Wickre): stereograph of "Fairmount Park" with a railroad bridge, ca. 1870, stereograph of "Towers of the East River Bridge," and a stereograph of a building after a boiler explosion (1985.0083).

University of Minnesota, Aerospace Engineering and Mechanics (through Prof. W. L. Garrard): 12 mechanical strain gauges and 2 sets of mounting brackets (1985.0966).

The University of Michigan, The Harrison M. Randall Laboratory of Physics (through Donald I. Meyer): replica of Donald Glaser's 6-inch hydrocarbon bubble chamber, ca. 1954 (1980.0356).

Louis Mittelman, Jr.: Commodore PET 2001 microcomputer with 2 circuit boards and 5 books and pamphlets of instructions (1985.0591).

The Ugo Mochi Family (through Douglas K. and Joanne (Mochi) Gray and Dr. Anthony T. and Jeanne (Mochi) Tartaglia): 32 black cut-out pictures of "Ladies of the White House" by artist Ugo Mochi done in the 1940s and 42 miscellaneous leaflets and papers about Mr. Mochi (1984.0231).

Ludmila Markoff Moghadam in memory of Leo Markoff Moghadam: 236 ancient Persian and Indian coins (1985.0240).

Mohawk Data Sciences (through David C. Dix): reel of magnetic tape for Mohawk Data Sciences data recorder (1985.0119); (through David C. Dix and Brian D. Duggleby): Model 1101 keyed data recorder with documentation (1984.1011).

Government of the Principality of Monaco, Postal Administration: 22 mint stamps and souvenir sheets of Monaco (1983.0368); 27 mint stamps and souvenir sheets of Monaco (1983.0636); 26 mint stamps and 2 souvenir sheets of Monaco (1984.0599); Postes et Telecommunications, Office des Emissions de Timbres-Poste: 26 mint stamps and a souvenir sheet of Monaco (1984.1083).

The University of Montana, School of Forestry, Montana Forest and Conservation Experiment Station (through Benjamin B. Stout): Webb's Stadia slide rule (1983.0472).

Montclair Co-Operative School (through Laretta B. Freeman): peace banner segment of flowers, forest, clouds, river, and sun made by the children of Montclair Co-Operative School for the August 4, 1985 rally (1985.0948).

Earl E. Moore: financial document of the U.S. Mint concerning the importation of specie for the week ending November 30, 1839 (1985.0531).

Howard Moorefield: copy of a letter signed by Dwight D. Eisenhower to "Soldiers, Sailors, and Airmen of the Allied Expeditionary Force!" on D-Day, 1944 (1984.0474).

Moral Majority, Inc., American Coalition of Traditional Values (through Tim LaHaye): 39 leaflets on "How to Register Voters in States," 6 letters, 2 Moral Majority Report newspapers, a "National Voter Registration Leadership Manual," and a poster, "Protect Your Traditional Values/Register & Vote" (1985.0129).

Elting E., John H., and Robert S. Morison: 6,240 archival materials collected by George S. Morison during his career as a civil engineer in the late 19th century (1984.1093).

Cynthia Taft Morris: book, Treasure Island by Robert Louis Stevenson, read by Charlie Taft while his father, William Howard Taft, took the oath of office as President of the United States (1986.0420).

Owen D. Mort, Jr.: 92 ancient and medieval coins acquired in Afghanistan (1985.0368).

Lt. Col. William B. Mosey: yarn cone with a paper label printed in a "Victory" design, WW I (1985.0898).

Kenneth W. Moss M.D.: hand-blown glass suction trap with rubber catheter and a transport incubator (1984.0709).

William D. Mullinix: soundscriber model with 7 accessories (1985.0089).

Diana and Rhettman A. Mullis: 38-star U.S. national flag made in the 1860s (1984.1082).

Mrs. John H. Murray: 6 19th-century fashion plates (1985.0005); 19 pieces of early 20th-century textiles and needlework tools and accessories (1985.0156); woman's bracelet, necklace, compact, earrings, and cuff buttons, 1920-30 (1985.0872); 19 pieces of 20th-century textiles and needlework tools (1985.0973).

E. P. Muth, Ph.D.: 567 eyeglasses, 154 lenses, 72 miscellaneous tools, and 43 eyeglass cases (1984.0140); set of eyeglass lenses for examination use (1984.0285).

Ruth E. Myer: folder of 28 pamphlets and sheets pertaining to psychological testing (1983.0163).

Susan H. Myers: 4 stereo view cards showing policemen at work, produced by the Keystone View Co. as part of the "Public Helpers" series (1985.0942); 19 stereographs showing the stages in making cylinder window glass, 1900-25;

a stoneware jug stamped "J. & J. Reakirt Wholesale Druggists," 1850-80; stoneware jug patented by Henry Robinson and Richard Whitmore in 1882; a stoneware footwarmer made by Dorchester Pottery Works of Boston and patented in 1912; and a whiteware covered dish made by Thomas Maddock's Sons Co. of Trenton, New Jersey, early 20th century (1985.0968); 6 Keystone View Company stereographs of postal employees at work (1985.0969).

Mystic Seaport Museum (through B. A. G. Fuller): 3 half models of early 20th-century U.S. submarines (1984.0955).

Thomas Naff for the Faris and Yamna Naff Family Arab-American Collection: 59 artifacts used by Arab immigrants to America, 1890s to 1940s (1984.0218); 23 phonograph records, 7 pamphlets, 4 coffee cups, 3 pieces of needlework, a blue glass bead, pair of metal tongs, and a water pipe (1984.0500); mortar and pestle set, wooden pestle, plaque, embroidered pillowcase, leather pouch, and a group of 39 WW II memorabilia of Wedad Frenn (1984.1137).

Dr. Perham C. Nahl: 23 first flight covers (1985.0357); 216 philatelic covers from contract air mail flights (1985.0818).

National Alliance of Postal and Federal Employees (through Shirley E. Davis and Robert L. White): button, "NAPFE;" decal, "National Alliance of Postal and Federal Employees Founded 1913 'Ad Mortem Fidelis;'" and a sheet of letterhead (1986.0236).

National Association of Broadcast Employees & Technicians (through Robert W. Lind): 3 decals, 2 sheets of stationery, a sticker, lapel pin, newspaper, and a sheet of 4 union labels, all relating to the National Association of Broadcast Employees and Technicians (1986.0358).

National Association of Letter Carriers (through Candance H. Main): 2 videotape cassettes of the TV commercial "Delivering for America," 2 videotape cassettes of N.A.L.C. radio spots, 1985 and 2 broadsides of the promotion prepared for N.A.L.C. TV campaign "Headin' Out Across America Spreading the Word, near and far..." (1986.0911).

National Education Association (through Lyle Hamilton): 6 stickers, 3 pamphlets, 3 sheets of union labels, 2 sheets of stationery, 2 stick pins, 2 buttons, a videotape cassette, lapel pin, and a book, all relating to the National Education Association (1986.0352).

National Engineering Products, Inc. (through Fay M. Peterson): adding machine and stand made by Allen Wales Division of the National Cash Register Company (1986.0397).

National Federation of Federal Workers (through Abraham Orlofsky and James M. Peirce): 2 sheets of stationery and a button for the National Federation of Federal Employees (1986.0362).

National Industrial Workers Union (through Alonzo Wheeler): sticker, sheet of stationery, and a button, all relating to the National Industrial Workers Union (1986.0338).

National Organization for Women, Inc. (through Lois Galgay Reckitt): 2 buttons and 2 bumper stickers relating to the Mondale/Ferraro presidential campaign in 1984 and a button, "Witness For WOMEN'S LIVES June 8, 1985" (1986.0115).

National Railway Publication Company (through Paul H. Moore): map of the United States showing time zone boundaries in 1883 before the adoption of standard time (1983.0024); 2 copies of the Travelers' Official Guide, December 1882 and 1883 (1984.0472).

National Republican Congressional Committee (through Joseph R. Gaylord): 2 videotape cassettes of television advertising run during the 1984

election year for the Republican Party (1985.0527).

National Rural Letter Carriers' Association (through Tom W. Griffith): sticker, lapel pin, and a sheet of letterhead, all with the National Rural Letter Carriers' Association logo (1986.0293).

The National Yeoman (F) (through Mrs. Irene M. Brown): 10 copies of The Note Book, 1979-84 (1984.0432); 8 copies of The Note Book, 1982-83 (1985.0248); (through Marjorie Slocum): 48-star U.S. national flag, Yeoman F flag with 2 ornamental poles, 2 cases, and 2 sling carriers, a set of 2 caps, cap pin, and a web belt with buckle (1985.0307).

Gail Reynolds Natzler and Otto Natzler: electric kiln made by Elektro-Heizungstechnik of Vienna, Austria, ca. 1935, used by Otto and Gertrude Natzler from 1935 to 1982 for firing their studio pottery (1982.0813).

The NDK Company (through Dr. John W. Emmer, A.B., D.D.S., F.R.S.H.): bottle of NDK liquid flouride-germicide dentifrice developed from research by Dr. Emmer (1984.0837).

Shirley F. Needham: Women's Army Corps overseas style cap of enlisted rank, 1940s (1985.0262).

Thomas Neely, Jr.: 23 pieces of fire and burglar alarm apparatus (1984.0255).

Lenna J. Neff: Ku Klux Klan robe, sash, and a hood (1986.0246).

Government of the Netherlands, PTT Headquarters, Postal Department: 9 mint stamps and a souvenir sheet of the Netherlands (1983.0562); 11 mint stamps of the Netherlands (1984.0297); (through A. W. van Ommeren): 7 mint stamps and 2 souvenir sheets of the Netherlands (1984.0672); 13 mint stamps of the Netherlands (1985.0153).

Elice E. Neubauer: panel of cotton white-on-white embroidery, late 19th to early 20th century (1985.0643).

New Jersey State Museum (through Maxine Friedman): Washington City Canal lottery ticket, ca. 1810 (1986.0183).

New Mexico Rural Electrification Cooperative (through Carl. M. Turner): sad iron (1985.0260).

The City of New York, Fire Department, Division of Fire Communications (through Lewis J. Harris and George J. Murasso): 10 fire alarm boxes (1980.0007).

Government of New Zealand, Post Office, Philatelic Bureau: 11 mint stamps and a souvenir sheet of New Zealand (1983.0519); (through G. W. Warner): 12 mint stamps and a souvenir sheet of New Zealand (1984.0157); 15 mint stamps and 2 souvenir sheets of New Zealand (1984.0681); 13 mint stamps of New Zealand (1985.0108).

Mary L. Newbold: "Golden Gem" adding machine in carrying pouch, ca. 1908 (1981.0935).

Charles E. Newell: equatorial sundial made by Nicolas Rugendus of Augsburg, Germany, 18th century (1985.0231).

Nancy L. and Paul Newfield: bus seat sign "For Colored Patrons Only" (1979.0131).

Lt. Jean Q. Nguyen-Doyne: 6 uniform items worn by Lt. Nguyen-Doyne as the first native Vietnamese woman to graduate from the U.S. Military Academy at West Point (1985.0926).

Charles F. and William G. Nichols: 6-piece seed pearl parure in its original leather box, 1836, and a seed pearl earring, 1830-50 (1984.0696).

Raymond W. Niemann: postal sub-carrier's badge, number 8492, assigned to an employee at Chicago, Illinois, ca. 1923 (1986.0482).

Ann S. Niess: locket with 6 miniature photographs of British royalty and a spyglass viewer with 6 miniature photographs of Malvern (1986.0454).

Government of Niue, Niue Post Office, Philatelic Bureau: 9 mint stamps and a first day cover of Niue (1983.0520); 8 mint stamps, a souvenir sheet, and a first day cover of Niue (1984.0052); 8 mint stamps, a souvenir sheet, and a first day cover of Niue (1984.0370); 5 souvenir sheets, 4 mint stamps, and a first day cover of Niue (1985.0115); 5 mint stamps, 5 souvenir sheets, and a first day cover of Niue (1985.0558).

Pamela B. Nolan: pair of opaque-white molded-glass vases made by the Westmoreland Glass Company of Grapeville, Pennsylvania, 20th century (1984.0714).

Elliot Northcott: U.S. Army issue WW I period jerkin and WW II period combat boots (1984.0655).

Northern Sun Alliance (through Henry Fieldseth): 2 issues of the Northern Sun News, July/August and November 1984 (1984.0980).

Northrop Corporation (through Fred Stoughton, Jr. and J. W. Taft): 2 videotape cassettes of television commercials about Northrop and its U.S. Government defense contracts (1985.0526).

George A. Norton: Triangulator calculating device with leaflet used by Mr. Norton while an apprentice, ca. 1954 (1986.0441).

Government of Norway, General Directorate of Posts: 6 mint stamps, 3 first day covers, and a souvenir card of Norway (1983.0441); 14 mint stamps and 6 first day covers of Norway (1984.0226); 5 mint stamps and 2 first day covers of Norway (1984.1077).

Dennis H. O'Brien: rural mailbox designed for letter carriers on horseback used in McLennan County, Texas, early 20th century (1985.0235).

Justice Sandra Day O'Connor: black judicial robe worn by Justice O'Connor during her swearing-in ceremony (1985.0854).

Official Presidential Inaugural Commemoratives (through Jerry L. Wallace): 2 belt buckles, 2 books, a souvenir tankard, porcelain rose, sweatshirt, plate, elephant, and a poster, all souvenirs from the 1985 inaugural (1985.0361).

State of Ohio (through Sherrod Brown): 4 absentee ballots filled out by Ohio men serving in the Union Army and a tally sheet from Delaware County, Ohio, all from the presidential election of November 8, 1864 (1985.0426).

Oil, Chemical & Atomic Workers International Union (through Joseph M. Misbrenner and Michael Ricigliano): button, "Oil, Chemical & Atomic Workers Int'l Union AFL-CIO" and a sheet of letterhead, "OCAW" (1986.0234).

Katherine K. Olsen (through Richard R. Stout): sampler embroidered by Elizabeth Shermer, dated 1833, in a painted wooden frame (1985.0856).

Mrs. Edwin T. Olson: Massachusetts Reserve State Guard uniform worn by Edwin T. Olson, 1941-42 (318957).

Marilyn R. Olson: 2 yearbooks, a black gym suit, report card, and a student's streetcar identification card, all used by Ruby Magnuson Hedlund while attending Lincoln High School in Seattle, Washington, 1920-21 (1986.0410).

Storrs L. Olson: 4 Ethiopian bank notes (1986.0181).

Operative Plasterers' and Cement Masons' International Association of the United States and Canada (through Robert J. Holton): 29 miscellaneous items relating to the Operative Plasterers' and Cement Masons' International Association of the United States and Canada including decals, stationery, envelopes, patches, placards, centerpieces, stickers, travel kits, placards, a folder, hat, key chain, deck of playing cards, poster, and a tie tack (1986.0233).

Mrs. Richard Ordway: E. Howard & Co. pocket watch with "Hunter" case, ca. 1866 (1984.1085).

Irene B. and Joseph J. Orosz: letter carrier's uniform jacket (1986.0458).

Prof. George E. Osborn: medicine case prepared by the Clarke Homeopathic Pharmacy of Providence, Rhode Island, ca. 1860 (1985.0279).

Thomas E. Osborne: notebook of purchase orders for the "Green Machine," a prototype calculator (1985.0264).

Hilda N. Oseas: linen tablecloth with woven pattern of harvest wreath with 4 tassles made by Elizabeth Fisk Looms, 1925 (1986.0037).

Fred F. Osterholtz: Westinghouse radiographic dental X-ray tube, 1931-35 (1984.0546).

Benjamin Wade Owen: 3 stacking trivets and a red earthenware kiln pot (1982.0535).

Carolyn M. Paonessa: 2 handstamp trial impression cancellations on paper used on "first trip" from Washington, D.C. to New York to Philadelphia Air Mail, May 15, 1918 (1985.0648).

Parker Brothers (through Philip E. Orbanes) and People (through Katherine M. Bonniwell): board game, "People Weekly Trivia Game," 1984 (1986.0402).

Gail W. Parker: 14 pieces of uniform items, accessories, and insignia used by Mrs. Parker during her military career, 1972-81 (1986.0067).

James F. Parker: multibladed folding knife made by George Wostenholm & Son of Sheffield, England, a folding knife with 48 blades and engraved with American patriotic scenes made by T. Renshaw & Sons of Sheffield, England, and a folding knife with 100 blades including a pinfire revolver made in Germany, all made in the 19th century (1986.0101).

E. Brooke Parkinson: jacquard woven all white cotton bedcover, "Patent No. 2196 A.D. 1881" (1986.0161).

Ruth M. Parks: brass pocket sundial made by C. Stedman (1986.0599).

Kim Parley: woman's denim trousers patched and decorated by Ms. Parley in 1977 and a cotton tank top (1983.0852).

Henry S. Parrish: worm for muzzle-loading firearms, iron bullet mold, box of percussion caps, set of 3 tools, spur, pin and needle cushion set used by a soldier in the Civil War, wooden plane, Southern Cross of Honor medal, WW I dog tag, wooden tube with hairpin, military coat button soldered to copper pin, powder flask, transcribed letter of July 19, 1912, and a metal container with blade-shaped tool (1979.0233).

Parsons, Brinckerhoff, Quade & Douglas, Inc. (through Rose E. Reichman): 5 motion picture films of engineering subjects (1985.0443).

James Parton: bronze medal commemorating Harvard Lampoon's 100th anniversary, 1876-1976 (1985.0602); bronze medal concerning the "Campaign Before Richmond, 1864" given to Mr. Parton's grandfather, an historian, by General Benjamin Butler (1985.0612).

John B. Pate: deck of 53 aluminum playing cards and cover, souvenir of St. Louis World's Fair, 1904 (1984.0478).

Harriett Patterson: lithograph titled Michigan Central Railroad Train Stop at Niagara Falls (1985.0038).

Mrs. Jefferson Patterson: 61 items of clothing accessories and jewelry of the 20th century (1983.0735).

Harry J. Patton: Philadelphia asparagus buncher (1981.0803).

Helen E. and John R. Payne: Learcorder with microphone (1984.0901).

Robert E. Peary, Jr.: 3 maps illustrating the progress of Polar Exploration, 1800-1909, 2 silver loving cups presented to Commodore Robert E. Peary in 1909, and a Delta Kappa Epsilon fraternity flag carried by Peary to the North Pole in 1909 (1985.0514).

Sidney A. Peerless: 30 ancient Greek silver and bronze coins (1984.1122); 11 Roman and Byzantine gold, silver, and bronze coins (1984.1124); 58 Greek



coins, 5th-3rd centuries B.C. (1985.0938); 40 Sudanese Seige paper notes, 1884 (1985.0939).

Dane A. Penland: child's blue denim cap with a Woody Woodpecker patch (1986.0383).

Pennsylvania State University, College of Earth and Mineral Sciences Museum (through David E. Snell): 3 pieces of breathing appliances and 2 fabric safety belts with lines used in mines (1980.0814).

Government of Penrhyn, Penrhyn Post Office, Philatelic Bureau: 10 mint stamps, a souvenir sheet, and a first day cover of Penrhyn (1983.0489); 16 mint stamps of Penrhyn (1984.0293); 9 postage stamps, 3 covers, and 3 souvenir sheets of Penrhyn (1984.0930).

Penwalt Corporation, S. S. White Division (through Quentin M. White): 89 dental artifacts, 1900-50 (1981.0752).

Charles W. Per-Lee in memory of Mary B. (Chastain) Per-Lee: 2 watercolor paintings, one depicts a young boy eating watermelon and the other depicts a woman combing a girl's hair, ca. 1900 (1986.0419).

Franklin P. Perdue: 2-escudos gold coin, a gold disc, and a woman's gold chain necklace from the Spanish galleon La Nuestra Senora de Atocha, which sank off the Marquesas Keys in 1622 (1984.1141).

Dr. Seymour Perlin: 2 "Lacy" pressed glass sauce dishes, one colorless and one amethyst, in the "Roman Rosette" pattern, ca. 1935 and 2 miniature red earthenware pitcher and jar toys, 19th-century American (1985.0105).

E. W. Peterkin: patent model for an "Improved Bed Fastener," patented by Elisha E. Everett (314542).

Arnold C. Petersen: Postmaster's Account and Record Book for the fourth class office at Breathedsville, Maryland, 1912-15, with 17 inserted forms and receipts (1985.0694).

Cliff Petersen: patent model for a brick press patented on August 21, 1849 by Charles Carnell and a patent model for a brick-making machine patented on November 6, 1855 by Alex H. Brown (1984.0481).

George A. Petersen: U.S. Navy emergency ration can for life rafts, WW II (1984.0063).

Mendel L. Peterson: 78 late 19th- and early 20th-century U.S. Army cap and collar insignia (1982.0185); 2 letters which mention the Carson City Mint, dated 1844 and 1882 respectively (1984.1020); 6 pieces of Arctic gear including a green ski parka, pair of green ski pants, pair of brown Arctic boots, and a pair of brown ski boots, all worn by Mendel Peterson during a 1945 expedition (1986.0522).

Edward M. and Kathleen Pflueger: porcelain figure of seated monkey made in Meissen, Germany, ca. 1727 (1980.0951).

Phillips Petroleum Company (through C. F. Cook): 2 replicas of an assembled and unassembled Marlex discovery reactor for high density polypropylene, a sample of Marlex 20, sample of Marlex 6009, and 5 photographs relating to Marlex (1983.0570).

Photon Sources, Inc. (through Gregory G. Pawloski): 10 laser-welded samples (1985.0317).

Photopia Images (through Dave Parrish, Jr.): 2 posters for the 1984 Democratic National Convention held in San Francisco (1984.0987).

Francis Pichard: bronze art medal commemorating the French National Riding School in Saumur, France (1985.0721).

Antonietta Picone: fan, border of crochet work, bridal handkerchief, prayerbook and container, crib cover, crocheted doily, and a runner, all belonging to Vencensina Attard Picone of Porto Empedocee, Sicily (1985.0245).

James F. Pinkney, Jr.: U.S. Army steel helmet worn by James F. Pinkney during WW I (1982.0207).

Michael Pizitz: 15 mint postage stamps of Austria, Bavaria, France, Spain, Switzerland, and Italian States (1984.1132).

Plantronics (through Joseph E. Compton): VUSET computer terminal with keyboard, touch tone telephone, and power unit (1980.0008).

David Plowden: 57 photographs of bridges of North America (1984.0322); 30 photographs illustrating steel production from taconite pellets to the finished coiled sheets (1984.0827).

Plymouth Antiquarian Society (through Dortha M. Anderson and Anne Sargent): 100-pound piece of gray granite which was part of Plymouth Rock (1985.0316).

Saul Pollock: 2 transmit-receiver terminals, 2 acoustic couplers, and 2 relay apparatus, all part of a communications system for the deaf, ca. 1965 (1981.0245).

Lisa S. Popeil for the Popeil Family in memory of Samuel J. Popeil: "Veg-O-Matic II" food cutter, 1975 (1986.0222).

Potomac Polo Club (through Joseph O. Muldoon, Jr.): polo ball (1984.0522).

James A. Potts: T-shirt, belt buckle, pin, and an automobile plate commemorating athlete Jim Thorpe in the town of Yale, Oklahoma (1984.0864).

Robert K. Powell: U.S. Army Air Force astro-compass used for airborne navigation and its case, WW II (1984.0143).

Heloise B. Power: "Lotus Ware" ceramic pitcher made by Knowles, Taylor and Knowles of East Liverpool, Ohio, 1890-97 (1986.0894).

John C. Power: 14 political buttons and 2 political badges made by John Power Badges, 1975-78 (1984.0884).

The Pressure Positive Co. (through Bernard L. Gladieux, Jr.): "Backnobber" used in muscle therapy (1985.0220).

Howard Price in memory of his son Barry E. Price: world-wide collection of 2,273 mint postage stamps depicting flowers, and 110 miscellaneous foreign mint postage stamps (1983.0639).

Princeton University, Department of Astrophysical Sciences (through D. B. Hortenbach): polarizing photometer used by Raymond Smith Dugan in his study of eclipsing binaries and intrinsic variables (1985.0801).

Linda T. Puller: poster from the Mondale-Ferraro presidential campaign of "Liberty Leading the People -- 1984" by Kip Overton (1984.1052).

Gordon Purdy: porcelain plate with replica of the "Great Seal of the United States" by Pickard, Inc., 1982 (1984.0520).

Quantum Laser Corporation (through Andrew G. Blake): sample of tool steel laser clad with cobalt base alloy (1985.0296).

Dr. Grace Shover Quinn and Dr. Robert B. Quinn: alto recorder with instruction pamphlet (1983.0873).

Qume Corporation, A Subsidiary of ITT (through J. Simpson): Sprint 5/55 printer made by Qume Corporation with power supply and 2 operating manuals (1983.0167).

Jacob Rabinow: "scanned comparison" reading machine (1982.0393).

Robert B. Randels: child's orthopedic shoe and a photograph of Carl F. W. Schmidt who wore it, 1883 (1985.0677).

Joseph G. Ranelli: barrel-shaped "Rochester Root Beer" soda dispenser, ca. 1940 (1984.0558).

Henry Rau (through Marion L. Rau): 116 ceramics of mainly English Wedgwood manufacture (1981.0464).

Mrs. Joseph J. Ray (through Daniel D. Ray): multitester stencil template with

6 paper tapes and a research notebook used by Joseph J. Ray (1985.0815).

Einar H. Raysor: pair of wooden skis with bindings, pair of bamboo ski poles, pair of leather ski boots, wool ski hat, and 6 tubs of wax, all used between 1936 and 1944 (1985.0809).

Bill Rechin: 4 posters using the cartoon characters from "CROCK" (1985.0265).

Myrtle Reed: hand-embroidered quilt with the portrait, dates of office, and signature of each President of the United States from George Washington to Ronald Reagan, made by Myrtle Reed, Maudie Coffey, and Louise Witt, 1980s (1985.0338).

Molka Reich: wood and canvas cat puppet used in Baba-Yaga plays in the 1930s (1985.0805).

Janice H. and Peter R. Reilly: Roman Empire silver denarius of Marcus Aurelius, A.D. 161-180 (1984.0786).

John Paul Remensnyder: 326 pieces of 18th- and 19th-century American stoneware (1977.0803).

Remington Arms Company, Inc.: .35 mm caliber rifle stock (1980.0407).

Kalman Renner: bronze medal honoring George Frederick Handel (1985.0755).

Banco Central de la Republica Dominicana (through Manuel A. Bello Cabral and Miguel Estrella Gomez): uncirculated set of 5 coins from the Dominican Republic, 1983 (1984.0780).

Charles V. Reynolds: 3 penny banks made of sandcast aluminum, "Reagan 81 (The Jelly Bean King)," "Campaign 84 (Reagan-Bush)(Mondale-Ferraro)," and "Reagan 85 (50th presidency)" (1985.0908).

Rhode Island School of Design Faculty Association (through Kenneth Hunnibell): Rhode Island School of Design Faculty Association Award medal struck in 1984 by Merlin Szoesz (1985.0826).

Lester W. Rice, Jr.: pair of woman's brown leather shoes, 1830-50; black hat with feather and rhinestone trim, 1885-95; fabric handkerchief case, 1900-20; and 2 beaded purses, 1900-25 (1984.0897).

Eri Horner Richardson, Jr. and Phyllis H. Richardson: footed glass bowl and a frosted glass shoe, both produced for the U.S. Centennial, 1876, a ceramic display plaque, and a ceramic urn with cap, all made at Arequipa Sanatarium and designed by Eri H. Richardson, Sr., ca. 1923; and his book of designs and blueprints (1982.0806).

Richmond, Fredericksburg & Potomac Railroad, Potomac Yard (through W. D. Morris): journal bearing for use on freight cars contained in original box, 1960s (1983.0792).

Irving Richter: lithograph of Lewis Cass, Democratic candidate for the twelfth president of the United States, 1848 (1985.0004).

Mary A. Ridgway and General Matthew B. Ridgway: uniform coat with insignia and decorations, trousers, and shirt, worn by General Ridgway when he sat for his official portrait as U.S. Army Chief of Staff (1985.0659).

Barton B. Rinehart: 31 pressed pattern glass goblets of U.S. and Canadian manufacture originally collected by Dorothy Blake Rinehart (1985.0589).

Bernard Ring: 2 U.S. covers and a United Nations cover, all commemorating stamps as education, November 19-21, 1971 (1984.0516).

Mike Ringo: Auctori Plebis token, 1736 (1986.0570).

S. Dillon Ripley: first day cover commemorating Project Tiger, postmarked New Dehli, India on November 22, 1983 (1984.0081).

Roanoke Transportation Museum (through Stuart L. Sours): 5 cacheted covers with pictorial cancellations applied at the Roanoke Transportation Museum in conjunction with a celebration of the Roanoke Chapter of the National Railway Historical Society, 1979-83 (1984.0542).

Joyce and Kenneth Robbins: 446 Indian fiscal stamps (1985.0822).

Ann C. Robertson: 11 pieces of Grover Cleveland memorabilia (1986.0212).

Edwin K. Robinson: pair of U.S. Navy identification "dog" tags with chain and a pair of tan canvas leggings, all ca. 1945 (1984.0301); 2-card set of hooks and eyes, 1900-9 (1985.0117); 5 cabinet prints, 2 tintypes, 2 portraits in cardboard cases, a carte de viste, and a school photograph (1985.0207); metal charge ticket from Frederick Loeser & Co. of Brooklyn, New York, ca. 1920 (1985.0756).

William J. Robinson: 63 campaign buttons, a badge, and a pin for Walter Mondale and Geraldine Ferraro during the 1984 presidential campaign (1986.0449).

Phillip Rochlin: 11 uniform items worn by Mr. Rochlin while in the U.S. Merchant Service, ca. 1945 (1984.0899); 3 cap covers, a blue uniform coat, and a set of buttons of the U.S. Merchant Service, ca. 1946 (1985.0149).

Rock City Gardens, Inc. (through William H. Chapin): 2 bumper stickers, "See Rock City" and "Rock City," from the 1940s (1984.0451); birdhouse painted with advertisement "See Rock City," ca. 1960 (1984.0652).

Jean Rodrigues in memory of Elfriede Bonello: 5-lati coin of Latvia dated 1931 (1985.0601).

Fred M. Rogers: 4 videotape cassettes of the "Mister Rogers" program (1984.1037).

Elizabeth H. Rollings: perforated paper embroidery of "The Lord's Prayer" in a wooden frame, embroidered in 1890 by Nancy Sawyer of Providence, Rhode Island (1985.0834).

Jerry Rollins: 2 buttons marked "Falter Nondale for Pres.???" from the 1984 Republican National Convention (1985.0128).

J. William Rosenthal, M.D.: 11 pairs of American-made glasses, late 20th century; 2 Grieshaber cutting instruments for eye surgery; and a container cover for Singleton's Eye Ointment (1984.0822); 3 intraocular lenses (1985.0419); set of 4 coins, set of sunglasses, 2 eye wash cups, an ophthalmic poster by Chibret, microsurgical knife, Aspetorn contact lens cleaner with case, eel skin glass case, schematic eye, electric eye coutery, ointment jar with cover, lens trial box, binoculars, plastic surgical lens, and an implant holder (1985.0504); 10 eye wash cups and a Neu-Vita Oculizer eye massager, a quackery device (1986.0094); token labelled "Dr. N. B. Leidy, Blood Purifier 217 N. 6th Street, Philadelphia, PA" and "Dr. D. L. Flemming, 635 Vine Street, NE, Cor. 7th Street, Philadelphia" (1986.0455).

Mary Rosner: fork imprinted "Troop K, 7th Cavalry" (1986.0227).

Robert Rosner, M.D.: 2 retinoscopes used to measure focal planes of the eye (1984.0538).

Marcel G. Ross: "Milwaukee" back brace worn by Peter Ross for treatment of scoliosis, 1978-79 (1985.0789).

Mary Ross: cloak worn by George M. Cohan in his 1930 road show, The Tavern (1984.0941).

Mr. and Mrs. Louis S. Rothschild: oil painting by Charles Lundgren of the N.S. Savannah, the first nuclear-powered merchant vessel, launched on July 21, 1959 (1985.0312).

Mrs. Marie Rotter: 3 bronze and 1 silver sleigh bells brought to America from Finland, ca. 1911 (1981.0632).

Rose F. Roucoules in memory of Alfred and Lucia Fages: 29 glover's tools and artifacts (314490).

Louise S. Rousseaux: program with menu for the Inaugural Ball of President Theodore Roosevelt held on March 4, 1901 (1985.0241).

Melba S. Royal: automobile license tag with number 25 issued by Schuylkill County, Pennsylvania, ca. 1904 (1984.0113); automobile license tag with number 1 issued by Schuylkill County, Pennsylvania to Robert Allison in 1903 (1984.0114).

Royal Palm Polo-Sports Club Inc. (through Kenneth F. Gerard): Arena polo ball used for practice and a Royal Palm Polo-Sports Club Inc. program, 1933 (1984.0803); polo trophy for the "Sunshine League Championship, 1960-1981" (1985.0550).

Marion Joyce Rubissow: W. & H. Hutchinson Lavenman or Domestic Clyster kit in box with all parts, late 19th century (1984.0466).

Anna L. and Homer M. Ruley: 5 sets of Atchinson, Topeka, and Santa Fe Railway date nails (1985.0409).

Margaret A. Ruppert (through Anita F. Mitchell): white uniform and skirt worn by Miss Ruppert while serving in the U.S. Navy Reserve Yeoman (F) during WW I (1985.0295).

RUSH/berivon, inc. (through Beryl Rush Webb): 4 orthopedic pins, 1985, and a prototype orthopedic pin, 1948, for the fixation of bone fractures (1986.0125).

David H. Russell: painted tintype of William Gaston Raynor, 19th-century relative of Mr. Russell, in its original frame (1986.0538).

Helen Winnett Russell: 2 woman's gloves and a purse, 1948-52, and 2 woman's hats, 1950-59 (1982.0112).

Wm. Rutledge: gray T-shirt stenciled with a red clenched fist by Mr. Rutledge when participating in a "sit-in" at Harvard University, winter of 1968-69 (1985.0363).

City of Sacramento (through the Honorable Anne Rudin): 2 brochures, a bumper sticker, and a resume for the campaign of Anne Rudin for mayor of Sacramento, California (1986.0012).

Lucile E. St. Hoyme: 4 Czechoslovakian postage stamps (1984.0511).

St. Joseph Medical Center (through Michael Adler and Joseph Maio): portable anesthesia machine, ca. 1920 (1986.0641).

St. Joseph School (through Michael P. O'Connor and Donna C. Vallee): 4 elementary school desks (1982.0717).

St. Procop's Church (through James J. Vesely): catalog file cabinet with glass and paper slides, stereo viewer, and a teacher's desk and slide cabinet, all from St. Procop's Church in Cleveland, Ohio, ca. 1912 (1982.0716).

Marvin Salo: Finnish-American birch bark basket and a pair of ski poles made by Mr. Salo in 1980 (1980.0747).

Matt T. Salo: fortune telling sign, "Sister Marie/Reader & Advisor" (1985.0364).

Bernard J. Sandler (through Peter H. Falk): 22 etchings of soldiers during WW I and a lithograph of a WW II scene, all by Lester G. Hornby (1984.0426).

Robert C. Sardino: Western Electric microphone, ca. 1924 (1984.0613).

SAS Philatelic Club: 5 first flight covers of the Scandanavian Airlines System (1983.0559); 8 first flight covers of the Scandanavian Airlines System (1984.0007); 14 first flight covers of the Scandanavian Airlines System (1985.0116); (through Niels Sommer): 90 first flight and commemorative covers of the Scandanavian Airlines System (1984.0895); 19 first flight covers of the Scandinavian Airlines System (1985.0674).

Nicolas W. Sassow: 2 German military field compress bandages, a cotton strap tourniquet, and a Russian military field compress, all WW II (1986.0545).

Joseph Sataloff, M.D.: Russian Byzantine-design ceramic vase made by the Francis Gardner Factory in Verbilki, Russia, ca. 1876 (1982.0802).

Scandinavian Airlines System (through Delmar Wordh): 633 first flight covers

(1984.0417).

Ted Scarlet: Great Smoky Mountains National Park pennant, ca. 1945 (1985.0588).

Raymond G. Schapley: German-Belgian double barrel 12 gauge shotgun, ca. 1870 (1984.0457).

Dr. Arthur L. Schawlow: laser eraser (1985.0144).

Mrs. Frances J. Scheele: pair of woman's high-top ice skates, 1925, and a brass finger ring, 1923-24 (1985.0168).

David E. Schenkman: 17 U.S. tokens (1984.1051).

Allan D. Scherer: polo uniform worn by Allan D. Scherer including a helmet, glove, shirt, pair of boots, jodhpurs, belt, knee pads, and a pair of stirrups (1985.0170).

Mrs. C. B. Schmeltzer in memory of C. B. Schmeltzer: Webb adder, Keuffel & Esser planimeter in case with instruction pamphlet, set of drawing instruments in case, Gundlach microscope in case, cleaning rod, photograph of President Taft, set of 3 pencil sketches, and a copy of Spencerian Drawing Book No. 3 by H. Hitchings published in 1872 (317925).

Floyd H. Schmick: pamphlet titled Supplementary Rural Delivery Salary Tables published by the U.S. Post Office Department in 1921 (1985.0350).

June M. and Paul E. Schmid: set of 59 documents including letters, notes, envelopes, and application cards, 14 pamphlets, 4 books, a group of 4 newspaper articles, the booklet One World, and a copy of the magazine Plain Talk, all relating to Reverend Charles E. Coughlin, 1930s (1985.0049).

Fred W. and Marie S. Schmidt: 2 sets of collar insignia and a WW I Victory medal which belonged to Barbara Ziegler who joined the Army Nurse Corps in 1901 (1986.0276).

Harry Schneider: Underwood Sundstrand adding machine (1985.0655).

D. Scott: 2-piece corn broom-making machine (314498).

Mrs. Donald C. Scott (through Juliet Bartoletti): Spanish knapsack, blue infantry aiguillette, American Bible Society New Testament, 1897, and a pass from the 10th Infantry Headquarters dated 1899, all collected in the Philippines during the Spanish-American War (1984.0435).

Seafarers International Union (through Charles A. Svenson and Dorothy Wicker-Re): 50 miscellaneous items from the Seafarers International Union including stationery, caps, documentary material, stickers, photographs, pins, buttons, and a pen (1986.0448).

Irving N. Segal: Arithma stylus-operated adding machine with case, made by Addiator in the early 20th century (1986.0543).

Colonel Donald A. Seibert: 8 political buttons and a badge stating "Let's Stay Out" (1986.0204); 37 pin-back buttons of sports, religious, educational, and entertainment subjects (1986.0210).

Ross Sellers: 10 pieces of equipment and tools from the I. Bedichimer & Company Masonic Jewelry Shop in Philadelphia and 3 Masonic pin decorations produced by the shop (1986.0354).

Sid Semsey: set of 4 National Prohibition Act prescription blanks for whiskey, ca. 1925 (1985.0766).

Service Employees International Union (through John J. Sweeney): 29 pieces of documentation, posters, newspapers, and buttons and a videotape cassette produced by the Service Employees International Union for the Mondale presidential campaign, 1984 (1985.0176).

Barry S. Shanoff: 2-piece tickertape from AP/UPI teletype machines of the report of the assassination of President Kennedy on November 22, 1963 (1984.1097).

Warren G. Sharples: White Cross electric vibrator, 20th century (1985.0146).

David H. Shayt: stove-polishing paste in a wooden box patented in 1871 and made by the American Chemical Manufacturing Company of Rochester, New York (1985.0963); in honor of Elizabeth Summerville Aspinwall: deco style watch (1984.0553).

Petrena Abbe Shea: 44-star U.S. national flag, 1891-96 (1984.0797).

Robert E. Sheldon: household postal scale made by the Kingsbury Manufacturing Company of Keene, New Hampshire (1985.0695).

Dr. Emma Shelton: 2 woman's fans, 1880-1900 and a girl's dress, 1873-85 (1983.0821).

Randall M. Shelton: Vermont copper coin dated 1786 (1986.0530).

Shiley Incorporated (through Barbara Frey): 4 Bjork-Shiley cardiac valve prostheses (1985.0439).

Wesley E. Shook: 2 American propaganda pamphlets from WW II (1985.0423).

Howard J. Short, Sr.: uncanceled cacheted envelope commemorating National Air Mail Week observances at Willow Grove, Pennsylvania on May 15-21, 1938 (1984.0701).

Shugart Associates (through J. S. Campbell): minifloppy disk drive with 9 engineering drawings and diagrams (1982.0385).

H. W. Simmons: 3 cards for making automatic telephone calls in Belgium and England and an English token for promoting traditional ales (1984.0766).

George W. Sims: 48 artifacts of religious and utilitarian use from various nations, 20th century (1981.0726); 6 cloth chevrons, 4 buttons and a bronze button set; 2 collar insignia; 2 medals; a hat cord; belt plate; web belt; fired projectile; and a Panama Canal Zone identification tag (1984.1091).

Lydia Foster Sinclair: candlestick with green overlay on stem and engraved grapes and leaves and a sherry glass and an iced tea glass engraved with a floral motif, all of colored glass and made by H. P. Sinclair & Company of Corning, New York, 1920s (1985.0082).

Vijai Pal Singh: 677 Indian fiscal stamps, 1870-1947 (1986.0120).

Robert N. and Sara Singleton: peace banner segment reading "Let There Be Peace on Earth and Let It Begin With Me" from the August 4, 1985 rally (1985.0945).

Shellyne M. Sippo: 2 phonograph records titled "Mr. Reagan (Won't You Give Me A Job?)" produced by Michael and Shellyne Sippo, 1983 (1984.0808).

J. B. Skelton, M.D.: 2 Dalkon Shield intrauterine devices, one new and one used (1985.0892).

B. F. Skinner: programmed teaching machine with 4 sets of disks and sheets and 2 sets of sheets (318945); pre-computer teaching machine designed to teach arithmetic and spelling to grade school students, made by IBM (1984.1069).

Thomas H. Slack: Squadron Bulletin from the U.S. Flagship New York, off Santiago de Cuba, July 3, 1898 (1986.0259).

Ruell A. Sloan in memory of Dr. Margaret H. and Dr. Ruell A. Sloan: 13 medical apparatus, surgical instruments, and microscope slides, 4 light bulbs, 2 mouth pieces, and a battery (1984.1044).

Memorial Sloan Kettering Cancer Center (through John S. Laughlin, Ph.D. and Roger A. Parker): Betatron unit (1984.0642).

Walter H. Smartt, M.D.: 3 watt-hour meters (1984.0919).

Elizabeth D. Smith: tally sheet for the "1972 Nixon Campaign Volunteer Walking List" (1986.0313).

Gary W. Smith: enlisted man's identification badge for use in the Office of the Chief of Staff, 1985 (1985.0537).

Harriet K. Smith: woman's muff and scarf worn by the donor's grandmother, Mary

E. Foy, 1895-1905 (1985.0732).

Oscar W. Smith, Jr. in honor of Oscar W. Smith, Sr.: phonograph record titled "The Political Minstrel" recorded by Joe Glaser for the Democratic Party during the 1956 presidential campaign (1984.0883).

Paul N. Smith: 35 pieces of insignia worn by Mr. Smith while a member of the R.O.T.C. of Appalachian State University, 1978-82 (1982.0374).

Rachel M. Smith: 6 dinner plates from the Steubenville Pottery and a martini pitcher with 6 goblets, water pitcher with stopper, 2 dessert plates, 2 salad plates, 2 goblets, and 2 candle holders from the Cambridge Glass Company (1984.0867).

Stanley H. Smith: 2 clothing bags, 2 magazine pouches, a pair of black rubber sandals, telephone receiver, rifle cleaning kit, pistol ramrod, and a poster, all issued by the U.S. Army, North Vietnam, or the Viet Cong, ca. 1968 (1984.0296).

Verna E. Smith: doll made of rope by sailor Gilman L. Smith during WW I (1984.0635); savings account bankbook for account opened October 4, 1929 at the Kennebunk Bank of Kennebunk, Maine (1984.0741).

Arthur Smukler: 2 signs of "Chaplin" and "Rough Riden Rabbi" used by Rabbi Capt. Harry Z. Schreiner on his jeep in Korea, 1950, and a container of mints labeled "Male Contraceptive Pills" from the television show "The Life and Times of Eddie Roberts or L.A.T.E.R." (1985.0353).

Carol A. and Richard A. Sobel: 17 pieces of uniform clothing worn by Mr. and Mrs. Sobel during their military careers, 1974-84 (1985.0098).

The Society of Medalists (through Joseph Veach Noble): U.S. medal "Bursting the Bounds" by Donald Delue, August 1985 (1986.0157); U.S. medal "Escape and Capture" by Richard M. Miller, 112th issue of The Society of Medalists, 1985 (1986.0491).

Software Country (through Les Crane): 2 computer software programs titled "I Ching, The Book of Change" and "Software Golden Oldies Volume I" (1985.0816).

Janet W. Solinger: woman's 3-piece St. John suit, 2-piece Anne Klein suit, 3-piece Robert Janan dress, a white blouse, and a plaid handkerchief, 1977-81 (1986.0046).

Mary Nicholas O. Sommerfeldt: 2 framed photographic portraits of Giuseppe and Mary Pasculli, ca. 1915 (1984.0907).

John T. Sorbie: 4 posters from the Perkins Shearer/Denver Symphony Annual Polo Cup, 1982-85 (1985.0813).

Ernest M. Sorrell: prototype of a device for propping up a baby bottle designed by Mrs. A. B. Sorrell, 1984 (1985.0102).

University of South Carolina at Aiken (through Frankie H. Cubbedge): 5 leaflets, 4 programs, 4 posters, 2 bumper stickers, 2 buttons, and a bookmark from the Women's History Week Project held at the University of South Carolina at Aiken, March 7-13, 1982 (1986.0005).

University of South Florida, Medical Center, College of Medicine, Department of Pediatrics (through John S. Curran, M.D.) and Tampa General Hospital (through Charlie F. Scott): Prigel carrier for transporting infants to the hospital, ca. 1939 (1984.1028).

South of the Border, Inc. (through Ray Schafer): souvenir sombrero ashtray and charm bracelet from South of the Border, Inc., 1950s (1985.0586).

South Walpole State Prison: 2 first day covers commemorating penal philately (1984.0515).

Government of Spain, Army Museum of Madrid (through Agustin Caro): 3 replicas of Spanish regimental flags carried in Florida during the Revolutionary War (1981.0856).



Lydia P. Speir: 2 girl's hats, 1935-40 (1985.0691).

William F. Spengler: 69 Indian coins (1985.0505); 83 coins from various Indian states and Delhi Sultans (1985.0683); 6 ancient Indian "bent-bar" Satamana coins (1986.0645).

Philip D. Spiess: tile panel made by Rookwood Pottery of Cincinnati, Ohio, 1904-15 (1981.1028).

Allan J. Spilner: 15 phonorecords (1985.0561).

Sports Illustrated (through Jane Gilchrist): 1980 U.S. Olympic Hockey Team artifacts including a pair of gloves, leg warmers, pair of skates, pants, helmet, jersey, and a poster (1984.0940).

Phil Spottswood: camera lucida engraved "Alex Alexander Optician to the Queen Exeter" and wooden case (1985.0434).

Ellen V. Sprouls: 2 leaflets, 2 brochures, 2 stickers, a plastic bag, newsletter, and a brochure, all relating to equal rights and abortion rights issues (1985.0524); 3 handouts titled "Nuclear Arsenal Project," "They Did It Before They'll Do It Again Prevent World War III--No Matter What It Takes," and "Dates and Locations of Exhibition Amber Waves of Grain," 2 brochures titled "Our March Towards Nuclear War...Can be Stopped" and "Women's Action for Nuclear Disarmament Let's Wrap Up This Arms Race," a bumper sticker, "Freeze Nuclear Weapons," and a postcard "Amber Waves of Grain August 4-16 On The National Mall Washington, D.C." (1986.0051).

Hazel C. Squires: theatre program titled "New York Hippodrome Souvenir Book" for the 1906-7 season (1986.0103).

Benjamin Stack: 10 Roman Imperial bronze coins (1984.0859); 24 Roman bronze coins (1984.0963).

Estate of Benjamin Stack (through Harvey G. Stack): 25 Roman Imperial sestertii (1984.0995).

Benjamin, Harvey G., and Norman Stack: 68 original drawings by Victor D. Brenner for medals, trademarks, bookplates, and border designs (1979.1200); 88 counterfeit dies of Roman Imperial, Byzantine, and Vandal coins (1984.0925).

Harvey G. Stack: 13 ancient Greek gold and silver coins (1984.0857); 10 Roman and Greek coins (1984.0910); 51 ancient Greek silver coins (1984.0990); Queen Victoria proof sovereign, 1857 (1984.1109); 4 dies and a die ring used to strike commemorative medals (1985.0827).

Harvey G. and Norman Stack: 3 pieces of funeral money; a souvenir badge, 1898; U.S. trick coin; membership token; Lyceum Theatre storecard; and a fare token (1985.0123); 13 Indian coin dies (1985.0486); 10 Egyptian lead tokens and 2 Kushan silver coins (1985.0487); 11 Indian coin dies (1985.0488); 50 French and medieval coins, 13 Sasanian coins, 5 Persian clay tokens, and 4 French Indian coins (1985.0489); 95 Persian sigloi coins of the 4th century (1985.0490); 11 Indian coin dies and 6 Belgian medal dies and hubs, 17th through 20th centuries (1985.0492); 6 British documents with signatures of Kings George I, II, III, IV, V, and VI (1986.0185); silver Battle of Vera Cruz award medal designed by Charles Cushing Wright between 1847 and 1854 (1986.0583).

Norman Stack: 8 Roman Imperial bronze coins and 7 ancient Greek silver coins (1984.0850); 10 ancient Roman and Greek silver and bronze coins (1984.0909); 52 ancient Greek silver coins (1984.0992); 2 dies used to strike a medal commemorating Colonel John Armstrong, ca. 1874, and 2 dies used to strike a medal commemorating Benjamin Franklin, 1920 (1985.0828).

James W. Stancil: Underwood Champion portable typewriter, war correspondent model with a built-in telescoping tripod stand and case (1985.0954).

Dr. Frank Stanton: Columbia 360 phonograph (1986.0196).

Albert Starr, M.D.: prosthetic mitral valve first used in a human heart in September 1960 (1984.0704).

Christopher K. Steele and Rosemary Steele: 12 ceramic pieces produced by the "RAM Process" developed by Richard Steele and A. R. Blackburn in 1943 and 2 pieces of studio pottery by Richard Steele (1983.0751).

Sam D. Steinhart: collection of 617 buttons containing protest buttons, protest labor buttons, anti-Vietnam War buttons, and Spanish Civil War buttons (1985.0106).

Barbara D. Stewart: blue plastic kazoo marked "Keep America Humming," 1984 (1985.0681).

Leslie J. and Marie M. Stewart: 53 artifacts used by cowboys in the Paradise Valley, Nevada, 20th century (1981.0086).

Dennis Stillings: Albert Abrams oscilloclast with 9 accessories, attachments, and cover, patented February 20, 1923 (1982.0087).

Marion B. Stokes: phonorecord album titled "The Missing Linc" (1984.1116).

Robert G. Stone: 277 postally used foreign stamps (1984.0927).

Madeline B. Storm: scrapbook and journal combination with 2 Convoy booklets kept by Cecil E. Storm while serving in the U.S. Naval Reserve aboard the USS St. Louis during WW I (1984.0809).

Robert L. Strong: yellow silk twill dress with cream-colored lace, made for a woman and later altered to fit a girl, 1840s (1986.0166).

Julie Anne and Sharon Lynn Stumpf: set of 5 award ribbons, set of 4 medals, 3 T-shirts, a racing swim suit and cap, and a hooded sweat jacket (1985.0622).

Henry Sugimoto: 3 oil paintings by Mr. Sugimoto of life at Camp Jerome, Arkansas, an internment camp for Japanese-Americans during WW II (1984.1118).

Donald H. Sultner (through Haldeman S. Wertz): Hasselbad camera with 7 accessories, Rolleiflex camera with Xenar lens and original box with 3 accessories, Rolleiflex camera with Planar lens and original box with 2 accessories, 2 lens papers, 2 sets of film, a projector lamp, light meter, spot meter attachment, tape splicer, lens brush, and a cable release (1983.0005).

Loretta Dewey Suman: hand cultivator with 2 attachments made by the Lerop Plow Company of Leroy, New York (1984.0844).

Ruth M. Suppes: black and white photograph of Mrs. Grover Cleveland when she was a young lady (1985.0455).

Estate of Genevieve Woodard Swanson (through Ann H. Forward and Jane Jeffers): hexagonal wooden medicine chest covered with hand-tooled brass containing 27 hand-blown glass bottles and 8 wooden drawers, 17th century (1985.0202).

Francis L. Sward: 10 manuscript dyer's record books dating between 1844 and 1880 owned by John Oldfield, former assistant manager of Garner Print Works in Garnersville, New York (1984.0486).

Government of Sweden, The Swedish Post Office, Stamps and Philatelic Service: 259 mint stamps and booklets, 41 first day covers, 12 maximum cards, 11 post cards, and 5 souvenir sheets of Sweden (1983.0522); 464 stamps, 24 covers, and 20 maximum cards of Sweden (1984.0050); Postens Frimarksavdelning (through Sirkka Lehtinen): 134 mint stamps, 18 first day covers, 14 maximum cards, and 5 souvenir sheets of Sweden (1984.0627); 440 mint stamps, 48 first day covers, and 44 maximum cards of Sweden (1985.0114).

Avron Y. Sweet, M.D.: infant's continuous positive airway pressure (CPAP).

system, 1970s (1984.0528).

Synertek, Inc. (through Robert Dickey): SY6502-8 bit microprocessor (1984.0154).

Syracuse University, S. I. Newhouse School of Public Communications, Office of the Dean (through Judith Hickmott): measuring microscope in case with one objective used by Frederick Goudy to measure matrices (1984.1016).

Merlin Szoesz: F.I.D.E.M. medal commemorating the U.S. delegation to the 1985 Congress, Stockholm, designed by Merlin Szoesz (1985.0720); U.S. Commemorative Tricentennial Medal of Albany, New York, 1686-1986 (1986.0631).

Robert Tamarantz: Indian trade token from Bylas, Arizona (1985.0025).

Joseph Tamele: pocket watch with movement and dial marked "Henry Fraiberg/Cleveland, O." (1984.0915).

James P. Tanner: fishing reel patented March 14, 1905 by Frank Fullilove of Owenton, Kentucky and a medal awarded for the reel at the Louisiana Purchase Exposition of 1904 (1985.0508).

Ernest H. Taylor: Japanese duplicating mold for printing type (1983.0840).

Henry Taylor: set of 12 railroad keys, 7 jacket buttons with L&N logo on top of button, L&H porter uniform hat, and a railroad lantern (1985.0552).

Dr. Gordon K. Teal: 2 silicon and a germanium man-made crystals which led to the development of integrated circuits (1984.0126).

Technicon Instruments Corporation, Diagnostic Systems Division (through F. R. Stubbins III and John Whitehead): first working system of the Technicon Autoanalyzer for analyzing blood tests and its prototype developed in 1953 by Leonard T. Skeggs, Ph.D. (1984.0608).

Estate of Carmela Tedeschi (through Dina T. Fleming): man's 3-piece suit, 1950-70; woman's 2-piece dress, 1900-5; and a woman's petticoat, 1950-55 (1983.0829).

Temple University, School of Communications and Theater, Department of Radio-Television-Film (through Francis L. Heying): 23 audio discs of radio transcriptions of programs and interviews with various entertainment and sports personalities, 1930-50 (1985.0302).

Theradyne Corporation (through Jack H. Casper): 13-piece, 3-wheeled "Titian" wheelchair made of titanium by Theradyne Corporation, 1983 (1984.0674).

Albert E. Thill, M.D.: 3 political tokens from Orange County, California (1985.0422).

Miriam Streater Thorward: 2 boy's straw hats, 1890-1900 (1984.1087).

Marilee Tillstrom: woman's fan advertising "Putnam Fadeless Dyes-Tints," 1930-45; and an off-white dickey, 1940-60 (1986.0045); 3-piece curling iron with its original box and instructions made by the Edison Electric Appliance Company of Chicago, 1906; a box of mascara made by Avon Products, Inc. of New York, 1943; and a plastic shopping bag, 1980-86 (1986.0321).

Toshiba America, Inc., Information Systems Division (through Richard Lockman): Toshiba printer with 10 pieces of associated documentation (1985.0435).

Tracor Instruments, Tracor, Inc. (through R. E. Oliphint): Tracor Model 304D Rubidium-87 Vapor Absorption Frequency Standard with clock movement, a spare vapor absorption cell, and a spare rubidium lamp (1981.0076).

Sebastian J. Tralango: 6 drawing instruments in a box, 2 curves, set of rules, slide rule, beam compass set, and a planimeter (1984.1071).

Nicole and Tracey Trapp (through Darrell Trapp): shovel handle used in the ski-tow at Whitney's in Jackson, New Hampshire, ca. 1936 (1985.0814).

Jay Tredwell: menu card for the "Inaugural Luncheon 1981" (1985.0243).

Judith A. Trenholme: peace banner segment from August 4, 1985 rally marked

"Anna Karenina, Bambi, Fanshen Fear, Flying Heidi, A Tale of Two Cities, Uncle Tom's Cabin" (1985.0947).

Trenton State College, Department of Physics (through Wade Curry and Judson J. Fink): 2 Leyden jars, 2 electrometers, an Edison phonograph, magneto, telegraph receiver, pneumatic syringe, lift pump, weight of air globe, Daniell-type hygrometer, hygrodeik hygrometer, manometer, and a tangent galvanometer (1982.0230).

Marian Lady Tyger Trimiari: pair of boxing gloves and a piece of a terry boxing robe with the name "Lady Tyger," both worn by the female boxer Marian Lady Tyger Trimiari (1985.0052).

Robert A. Truax: 3 postal notes dated 1883-90; 2 postal cards and a mourning card cancelled on a Philadelphia streetcar RPO; 2 advice of postal money orders, 1899; postal card with agent marking for J. E. Baird, 1881; and a post card showing the McAllister Streetcar Mail Box of Wilmington, Delaware (1985.0370).

TSR Inc. (through Kevin B. Blume): engine and boiler from the sidewheel paddle steamer Lucius Newberry built in 1875, which sank in Lake Geneva, Wisconsin on December 9, 1891 and was salvaged in 1981 (1984.0504).

John B. Tullner in honor of his children Cathy, John, Jr., and Jimmy Tullner: 2 trophy baseballs marked "'Mar 30, 1899'/Georgetown University vs Yale" and "'Apr 2, 1909'/Georgetown vs. Penn State," respectively (1985.0401).

Government of the Turkish Federated State of Cyprus, Directorate of Postal Department: 2 stamps and a first day cover of Turkish Cyprus (1983.0286); 9 mint stamps, 4 first day covers, and a souvenir sheet of Turkish Cyprus (1983.0440).

Government of the Turkish Republic of Northern Cyprus, Ministry of Communications and Works, Postal Department, Philatelic Bureau: 7 stamps and 4 commemorative covers of the Turkish Republic of Northern Cyprus (1984.0011); 11 mint stamps and 8 covers of the Turkish Republic of Northern Cyprus (1984.0753).

Dr. Stephen R. Turner: Zenith television receiver (1984.0875).

Hilde Uhlman: 39 mint and used postage stamps of Turkey (1986.0398).

Lt.(jg.) W. A. Ullmann: "Operation Urgent Fury" patch worn by participants in the U.S. invasion of Grenada in October 1983 (1985.0233).

Union of Concerned Scientists (through Lynda Dreyfuss): 2 television commercials on videotape cassettes, "Haircut" and "Twinkle, Twinkle" (1986.0365).

Government of the United Arab Emirates, Ministry of Communications, General Postal Administration, Philatelic Bureau: 4 mint stamps of the United Arab Emirates (1983.0833); 10 mint stamps of the United Arab Emirates (1985.0024).

United Association of Office, Sales, and Technical Employees (through Charles D. Huggins): sheet of letterhead and tie tack, both with the United Association of Office, Sales, and Technical Employees' logo (1986.0332).

United Automobile Workers of America (through Peter G. Laarman): 3 videotape cassettes relating to the United Automobile Workers' 50th Anniversary (1986.0139).

United Electrical, Radio and Machine Workers of America (through Amy R. Newell): 2 buttons, 2 sheets of stationery, and a lapel pin for the United Electrical, Radio and Machine Workers of America (1986.0349).

The United Food & Commercial Workers International Union, AFL-CIO & CLC (through Lewie G. Anderson): 2 notebooks titled "Meat Packing Industry Fact Book" and "Fact Book on Local P-9/Hormel," 1985 (1986.0366); (through Frank Van Veelen): 6 shop cards, 6 stickers, 3 videotape

cassettes, 2 press kits, a lapel pin, sheet of letterhead, and an envelope, all relating to The United Food & Commercial Workers, International Union (1986.0113).

United Mine Workers of America (through Richard L. Trumka): 6 stickers, 4 bumper stickers, 3 buttons, 2 badges, 2 sheets of stationery, a tie tack, decal, and a legislative guide and pocket calendar, all relating to the United Mine Workers of America (1986.0340).

United Nations Postal Administration: 8 miniature sheets of the United Nations flag series issued September 26, 1983 (1983.0557); 564 mint stamps and 6 miniature sheets of the United Nations (1984.0006); 594 mint stamps and 8 souvenir sheets of the United Nations (1984.0694); 756 mint stamps, 15 postal cards, and 5 stamped envelopes of the United Nations (1985.0211); 648 mint stamps and 8 souvenir sheets of the United Nations (1985.0563).

U.S. American Revolution Bicentennial Administration: silver plaquette and a pewter plaquette from the Franklin Mint's "Bicentennial History of the United States Ingot Series" (1984.0767).

U.S. Department of Agriculture, Agricultural Research Service, Western Region, Bee Research Laboratory (through L. N. Standifer): moveable-frame beehive made by L. Gasca in 1976 from patent specifications of Rev. L. L. Langstroth of Philadelphia, patented October 5, 1852 (1977.0760); Forest Service (through Alfred E. Beaty and James R. Doyden): 12 forestry and fire fighting tools, 5 flags, 4 pieces of "Smokejumper's" clothing, 2 parachutes, 2 bedrolls, and a first aid kit (320022); Meat and Inspection Division (through Dr. M. A. Simmons): 55 wax and plaster models used to train U.S. Department of Agriculture Meat Inspectors in the identification of animal diseases (1982.0801); Soil Conservation Service (through William A. Centopani): soil color set with 32 vials, 1923, and 2 vials of powdered and granulated minerals containing 64 minor elements (1985.0590).

U.S. Department of Commerce, National Bureau of Standards: 12 components of the Standards Eastern Automatic Computer developed ca. 1951 (1980.0305); Division of Metallurgy (through Lawrence H. Bennett): electro-magnet by Varian Associates, a probe, chamber for a mouse, and a cable, all used in the first successful in vivo demonstration of magnetic resonance imaging, performed on a live mouse in 1972 (1986.0014).

U.S. Department of Defense, Defense Property Disposal Office: Atlantic Escape and Evasion kit and a Southeast Asia Escape and Evasion kit (1980.0231); Department of the Air Force, Air Force Weapons Laboratory (through Jerry Ray Bettis): 2 plastic strips and a missile nose cone (1985.0293); Headquarters AFMPC/MPCASA (through Stanley M. Duda): 5 pistols, 3 knives, 2 walking cane-guns, 2 rifles, and a double-barreled shotgun (1985.0284); Office of Public Affairs, Community Relations Division, Special Events Branch (through Lt. Col. Joseph S. Panvini): 17 U.S. Air Force campaign streamers used on flagstaffs indicating Vietnam service, 1961-72 (1984.0948); Department of the Army, ARDC Support Activity: British Hotchkiss portable machine gun and a light machine gun of U.S. manufacture (1986.0171); The Chief of Military History and the Center of Military History: enlisted man's wool service coat, 1918, and 2 flags of the Republic of Vietnam (1977.0704); Center of Military History, 1st Cavalry Division Museum (through Rudeford M. Norman): British MK-1 anti-tank gun (1984.0922); case of horseshoes, 1903; pair of woman's gray plastic overshoes; pair of low quarter black shoes; set of 5 shelter half pins; binocular case; and a Communion set (1985.0100); Fort Benjamin Harrison Museum: 2 cotton duck bags, 2 fuze setters, a can of anti-fog,

can of foot powder, poster of decorations and awards, plastic canteen, sectionalized projectile, practice projectile, and an aircraft smoke, signal, and illumination device (1979.0329); Fort Huachuca Museum: 1st Signal Service Group guidon, British WW I field telephone, and a Japanese field telephone, 1932 (1986.0307); Fort Sam Houston Museum (through John M. Manguso): 3 pairs of black low quarter dress shoes, 1940s and 1960s (1984.0881); Headquarters, U.S. Army Armament, Munitions and Chemical Command (through Joseph P. Casadei): French machine gun and receiver (1986.0040); The Infantry Center and School (through Capt. Jeffrey G. Miller): 6 insignia, 2 scarves, 2 decals, and 2 helmet liners, all used at the Officer's Candidate School at Fort Benning, Georgia (1983.0700); The Institute of Heraldry (through Col. Charles R. Spittler): flag of Great Britain, flag of Vietnam, and a flag of the Congo (1982.0022); (through Opal V. Landrum): 53 pieces of distinctive insignia (1986.0457); The Old Guard Museum: 19 firearms and edged weapons (1986.0052); Oregon Military Museum: M14 rifle, grenade launcher, and a submachine gun (1986.0053); Don F. Pratt Museum (through Charles H. Cureton): 3 reproductions of an English musket, 3 rifles, 2 machine guns, a rifle/shotgun, carbine, and a revolver (1985.0145); 2nd Armored Division Museum (through Tambia Little Johnson): 6 British helmets, 1940s, and 2 guidons (1984.1053); 7th Infantry Division and Fort Ord Museum: 16 medal lapel pins; pair of mittens, WW II; pair of combat boots, 1960s; and a sharpshooter qualification badge (1984.0939); 3rd U.S. Infantry and Central Issue Facility (through Colonel Cini): 13-piece dress blue uniform of Colonel Robert G. Krause, Commander of the "Old Guard," 3rd Infantry, 1985 (1985.0165); 203rd Military Intelligence Battalion: carbine and machine gun of Soviet manufacture (1986.0247); U.S. Army Quartermaster Museum (through Phil Cavanaugh): 3 individual and one pair of red wool U.S. Army experimental shoulder loops and a loop of navy blue wool, 1936-38 (1984.0791); U.S. Army Training Support Center (through Col. Robert E. Spurrier): 42 pieces of insignia and a beret used by mock Soviet Forces during training exercises (1984.0839); U.S. Civil Administration of the Ryukyu Islands (through Lt. Col. D. C. Buckley): 136 mint postage stamps of the Government of the Ryukyu Islands, 1970-71 (1984.0896); U.S. Military Academy Band (through Emma-Jo L. Davis): 7-piece band uniform worn by Sergeant Major Robert Moon, 1974-84 (1985.0510); Department of the Navy, Naval Administrative Command (through R. E. Pastore): R.C.A. electron microscope, ultra microtome, and an intermediate power source (299455); Naval Air Development Center: 20 components related to cathode ray tube display technology and the early applications to aircraft systems, radar, and computers (1978.0261); Office of the Secretary of the Navy: Brazilian Rossi Squire shotgun (1985.0836); U.S. Marine Corps, Marine Corps Development and Education Command (through Capt. C. W. Smith): M16 rifle prototype with accessories (1986.0536); Deputy Assistant Secretary of Defense (through Stanley M. Duda): automatic pistol with case and accessories made in Austria by Glock (1985.0405).

U.S. Department of Energy, Idaho Operations Office (through Nick C. Aquilina): sheet of 16 gasoline rationing coupons printed during the Arab oil embargo of 1973 (1984.0966); Oak Ridge Operations (through Joseph A. Lenhard): model demonstrating the diffusion separation of isotopes built at Columbia University in 1942 as part of the Manhattan Project (1984.0856).

U.S. Department of Health and Human Services, National Institutes of Health,

- National Heart, Lung and Blood Institute, Division of Heart and Vascular Diseases, Devices and Technology Branch (through Frank Altieri, Ph.D. and Stephen F. Nemerson): 3 Intra-aortic balloon mandrels, 2 energy converters, Statham left ventricular bypass pump computer console, Lowell Harmison total artificial heart, 1971-2, rectangular plastic test model heart, DeBaKey pump with Dacron vascular graft filter, totally implantable functional mock-up artificial heart, totally implantable pump used in a cow in 1969, and a pneumatically driven bypass pump devised by Cooley in 1975 (1985.0329).
- U.S. Department of the Interior, Fish and Wildlife Service (through Peter A. Anastasi): die proof and a pane of 30 1984-85 Migratory Bird Hunting and Conservation federal revenue stamps (1984.0754); pane of 30 stamps and the die proof for the 1985-86 season of Migratory Bird Hunting and Conservation federal revenue stamps (1985.0758); (through Bob Hines): 90 Migratory Bird Hunting and Conservation federal revenue stamps with 3 die proofs for the 1969-72 seasons (1985.0391).
- U.S. Department of Justice, Drug Enforcement Administration (through Steven Zimmerman): 3 U.S. ten dollar gold pieces dated 1795, 1797, and 1803 (1984.1125); (through Sherlean P. Route): Smith & Wesson semiautomatic pistol with 2 extra magazines (1985.0224); Smith & Wesson pistol (1986.0056).
- U.S. Department of State, Diplomatic Reception Rooms (through Clement E. Conger): carved wooden cigar store figure of an Indian "princess" by John L. Cromwell of Williamsburg, New York, ca. 1874 (1982.0251); Office of the Chief of Protocol: Brazilian Rossi revolver (1985.0839); (through Ulysses Faulkner): Belgian automatic pistol with cleaning rod and extra magazine, made with Browning's patent by Fabrique Nationale (1985.0579).
- U.S. Department of Transportation, U.S. Coast Guard, Headquarters (through Admiral J. S. Gracey): 3 sets of battle streamers for a Coast Guard flag (1985.0513).
- U.S. Department of the Treasury, Bureau of Alcohol, Tobacco and Firearms: Colt single-action army revolver (1983.0499); 5 rifles and a pistol (1985.0838); (through Sherlean P. Route): Ruger "Speed Six" revolver (1985.0578); Beretta semiautomatic pistol with magazine and silencer, Beretta semiautomatic rifle, and a Ruger revolver (1985.0769); Smith & Wesson pistol and a Browning high-powered pistol (1985.0837); Colt's Lawman revolver and a Ruger rifle (1986.0322); Bureau of Engraving and Printing (through Robert J. Leuver): 322 certified plate proof sheets (1984.0418); 300 certified plate proofs for U.S. postal issues (1984.0756); 129 certified plate proof impression sheets (1986.0571); U.S. Mint (through Director of the Mint): 2,237 coins and medals from the U.S. Mint transferred to the National Numismatic Collection prior to 1923 (1985.0441); (through Donna Pope): 10 coins comprising 2 U.S. 1984 proof sets (1984.0609); 104 gold, silver, and bronze medals and 10 coins produced by the U.S. Mint and a wooden box used to transfer gold bars to and from Fort Knox (1984.0649); 10 bronze Presidential medals (1984.0989); 34 U.S. coins including 2 U.S. uncirculated sets of 12 each, 1984, and 2 U.S. proof sets of 5 each, 1985 (1985.0122); 3 1984 Olympic gold coins, 3 bronze medals from the National Historical Series, and 2 1984 American Arts gold medallions (1985.0274); 2 U.S. uncirculated coin sets with "D" and "P" mint marks dated 1985 (1986.0036); 6 United States Statue of Liberty commemorative coins, 1986 (1986.0495); 2 U.S. proof coin sets dated 1986-S (1986.0500); Office of the Comptroller of the Currency, Administrator of National Banks (through Jerry Fisher): letter

- from the Speaker of the House of Representatives Champ Clark to J. B. Harvey, Secretary of the Democratic Central Committee, May 8, 1912 (1985.0907); U.S. Customs Service: Charter Arms Company undercover model revolver (1985.0352); (through Sherlean P. Route): Charter Arms Corporation revolver with leather holster (1986.0055); District Director of Customs: Lefever Arms Company double barrel 16-gauge shotgun and an Iver Johnson caliber .22 magnum revolver (1982.0724).
- U.S. General Services Administration (through Victor A. Taylor): 10-dollar gold coin minted in Philadelphia, Pennsylvania in 1894 (1985.0780).
- U.S. Judicial Branch, Supreme Court of the United States, Office of the Curator (through Gail Galloway): 18 press releases and documents concerning the appointment of Sandra Day O'Connor as an Associate Justice of the Supreme Court, September 1981 (1983.0845).
- U.S. Legislative Branch, Congress of the United States, Joint Congressional Committee on Inaugural Ceremonies (through Charles McC. Mathias, Jr.): group of 10 tickets admitting seating to various parts of the Capitol during the Inauguration Ceremonies, 1985, menu and program for the Inaugural Luncheon held in the Statuary Hall on January 21, 1985, and an Inauguration Ceremonies platform map (1985.0420); Library of Congress, Exchange and Gift Division: yellow ticket for reserved section, used for the March on Washington, 1963 (1985.0916); 4 badges, 3 buttons, "Coolidge Again", 2 ribbons, "Give to Alfred E. Smith Memorial Fund" and "Reception Committee--James A. Farley, Postmaster General...", a pin, and a button, "Votes for Women 1915" (1986.0390); (through Peter H. Bridge): 235 pieces of Confederate currency, 4 Confederate 6 $\frac{3}{4}$  coupon bonds, and a leather checkbook holder all from the collections of Gen. Philip H. Sheridan (1984.0787); (through Nathan R. Einhorn): 24 objects used by Nannie Helen Burroughs and her school (1980.0752); 4 Philippine paper currency items, 1940s (1984.0965); (through Elena Zahirpour): 7 U.S. decoration medals and badges (1986.0521); Manuscript Division (through James H. Hutson): 228 philatelic covers, 47 mint and used stamps, 7 aerogrammes, and a stamped brochure (1983.0216); 414 postage stamps, 90 covers, and a customs stamp (1984.0677).
- U.S. National Aeronautics and Space Administration, Goddard Space Flight Center (through Connie Higgs): 9 batteries and 6 electrochemical cells (1984.0630).
- U.S. Postal Service (through Rita L. Moroney): transmitting unit and receiving unit used to send the first INTELPOST transmissions between Washington, New York, and London and 55 originals and copies of early transmissions, ca. 1979 (1985.0358); electric cancelling machine used at the Amundsen/Scott South Pole Station from 1956 to 1984 and 17 blotting wheels (1985.0724); 3 Postmaster's account ledger books and a deposit receipt kept by Simeon Decker at Shoemaker, Pennsylvania from 1898 to 1907 and 2 money order ledger books kept by Charles E. Van Allen at Coolburgh, Pennsylvania from 1902 to 1903 (1985.0740); International Postal Affairs Department (through Irma Harrison): 3 mint stamps and a souvenir sheet of the Yemen Arab Republic (1984.0400); International Relations Branch (through Michael J. Regan): 4,996 mint stamps and 323 souvenir sheets of the Universal Postal Union countries (1983.0141); 6,062 mint stamps, souvenir sheets, and labels of the Universal Postal Union countries (1984.0014); 60 mint stamps of Austria (1985.0020); 1,230 mint stamps and 3 $\frac{1}{2}$  souvenir sheets of Austria, Japan, and the People's Republic of China (1985.0109); Mail Processing Department (through Randy R. Bailey): 3 plastic mail sacks, a mail sack clamp, cardboard mail tray



and sleeve used for large volume mailing, and a plastic letter tray used to transport mail in and between postal facilities (1984.0693); Office of Consumer Marketing (through W. L. Davidson, Jr.): 285 first day of issue cancellations and event postmarks (1984.0757); Stamp Management Branch, Stamps Division (through James R. Williams): 54 U.S. commemorative panels (1983.0558); 5,140 mint stamps, panes, commemorative panels, souvenir pages, and items of postal stationery of the U.S. (1984.0082); 286 mint stamps, first day covers, souvenir programs, and commemorative panels of the U.S. (1984.0670); 7,319 stamps, 36 commemorative panels, 33 postal cards, 33 souvenir cards, 28 first day covers, 25 souvenir programs, 12 stamped envelopes, 8 air letter sheets, and 8 full imperforate sheets (1985.0210).

U.S. Veteran's Administration, Office of Prosthetics & Orthotics Research: 130 artificial limbs and accessories (1978.1026).

United States Federal Corporation (through Victor Hugo): gold and a silver 1986-S Flying Eagle proof coins (1985.0915).

United Telegraph Workers (through Jerry Grim): lapel pin and a sheet of letterhead from the United Telegraph Workers (1986.0238).

Unknown: vase and bowl by Charles Walter Clewell of Canton, Ohio (1982.0503); walking beam for a star spudding rig (1983.0085); 1,357 used stamps from the U.S. and various foreign nations (1983.0143); 15 mint stamps of Cuba (1984.0869); 442 stamps, 88 covers, and a meter strip (1985.0546); one pound bank note from Biafra and a 200-leva bank note from Bulgaria, both distributed by the Franklin Mint (1986.0033); 260 stamps, 6 meter strips, and a cut corner paper cancellation (1986.0069); 9 pieces of Ku Klux Klan sheet music (1986.0309).

The University of Utah, School of Medicine, Department of Surgery, Endoscopic and Laser Surgery Unit (through Dr. John A. Dixon and Michael Mattsson): Swartz Endophthalmic laser fiber, 1980; 60Cu metal adaptor fiber used for colon polyp removal, 1978; and an argon laser fiber with a metal handpiece for dermatology, 1977 (1985.0237).

Barbara A. Van Allen in memory of Neil G. Van Allen: 3-wheeled Westcoaster van used to carry mail under the City Delivery Service, 1966 (1985.0372).

Julie Van Beek: Stromberg-Carlson radio (1984.0149).

Mrs. F. William Van Kirk: button "Herbert Hoover 1932" (1985.0244).

J. Varden: carved wooden butcher stamp to mark meat as being kosher (1981.0126).

Varian Associates (through Martin E. Packard): 2 laboratory notebooks kept by William Earle Bell, 1957, and Arnold L. Bloom, 1958 (1981.0571); Rubidium 87 vapor absorption cell and brass microwave cavity with 2 threaded discs to screw into cavity and a proton magnetometer made by Varian Associates in leather carrying case with sensor and connecting cable (1984.0668).

Varian Canada Inc. (through George Tibensky): Varian Associates Rubidium magnetometer readout instrument and oscillator consisting of cylindrical optical sensor package and sensor electronics connected by a cable (1981.0381).

Nathanael P. Vereide: Lufkin tape measure on a reel (1985.0817).

J. F. Viar, Sr.: repair record card for Baltimore and Ohio mail car number 79, 1919-48; postal route map for North Carolina dated May 1, 1949; and a postal route map for Virginia dated May 1, 1956 (1985.0568).

Video Music International, Inc. (through Jack Millman): "Startime" video jukebox (1984.0885).

Lucy M. Vinson: 2 woman's girdles and a brassiere, 1956-60, and 2 credit cards, 1956-65 (1984.0376).

- Herman J. Viola: Smith & Wesson .44 caliber revolver with shortened barrel and ivory grips (1981.0832).
- Virginia Hot Springs, Inc., The Homestead (through David Wm. Ingalls): exercise bicycle designed by Dr. Max Herz and manufactured by The KNY-Scheerer Company of New York (1986.0374).
- Robert M. Vogel: Automatic Rotary Cylinder toy printing press made by the Cincinnati Time Recorder Co. of Cincinnati, Ohio, 1930s (1983.0841); Frank S. Betz wall cabinet electro-therapeutic device, ca. 1910; a leucodescent lamp in a box with 3 filters; and a leucodescent lamp with 3 filters and a pulley counterbalance (1985.0967); Burroughs Model 9 adding machine, 1905-20 (1986.0092).
- Maria von Mattheissen: 6 mounted black and white silver gelatin photographic portraits of James Merrill, Douglas Fairbanks, Jr., Madame Alexander, Nathaniel P. Reed, Mrs. Robert Young, and Morton Downey (1985.0901).
- Alice Dodge Wallace: academic gown from Oxford University, 1908, including robe, cap, hood, and patch, all worn by Shirley Townshend Wing, 1885-1926 (1984.0841).
- Dorothy M. Wallace: 5-piece green velvet costume and a 3-piece white satin costume worn by late 19th-century vaudeville performer Bessie Bonehill (1986.0432).
- Maxine Cook Wann: button, "Patriarchy, The Great Phallusy" (1986.0411).
- Edward J. Ward: Wesson rimfire pocket rifle with shoulder stock and fitted case, 1870, and a Colt semiautomatic pistol with a holster, web belt, magazine pouch, 3 magazines, and 2 cleaning rods (1983.0736).
- Wilcomb E. Washburn: green gym shorts, ca. 1930 (1985.0272).
- Teru Watanabe: calligraphic scroll of excerpts from the New Testament written in Chinese by Tomoichi Watanabe in 1937 (1986.0598).
- Waterbury Companies, Inc. (through David S. Ebersole): 9 U.S. Post Office Department button dies (1985.0218); 8 button dies for 2 pairs of coat buttons and cuff buttons from both the Chesapeake and Potomac Telephone Company and the Postal Telegraph Company (1985.0221); 2 button dies used to make buttons for St. Elizabeth Hospital and the U.S. Customs Service (1985.0246); 21 dies for making clothing buttons for various U.S. government agencies (1985.0336).
- C. Malcolm Watkins: unglazed ceramic tile from San Antonio Mission in California, ca. 1820 (1978.0640); brass and silver-plated nickel lantern, possibly fireman's lantern, ca. 1855 (1984.0283); water can with one glass attached from Northern Railroad, ca. 1860; metal oil can from NYNH&H Railroad, ca. 1900; and an inspection torch from B&M Railroad (1984.0284).
- Hilda K. Watkins: 2-piece woman's dress worn by donor's mother, Clara Whitney at the birthday ball for the Emperor of Japan, 1884 (1985.0733).
- Joan Pearson Watkins: niche with figure of St. Joseph and Holy Child Jesus, Philippine Islands, 19th century (1983.0074); 2 Chinese-American costume elements and an oil painting of the Holy Child in a tin frame (1983.0389); Chinese-American gate-leg table stained opaque red and a Chinese-American shop sign, both made in California in the late 19th century (1985.0844); pair of gray translucent galoshes for high-heeled shoes, 1955-65 (1986.0426).
- Roberta C. Watrous: British medal by John Milton, October 4, 1777 (1984.1111).
- Tommy Wayman: polo helmet, autographed by Mr. Wayman (1984.0521).
- WEBCO Records (through Wayne E. Busbice): phonorecord by Brooke Johns (1984.0879).
- Wm. R. Weber: 2 California Market Merchandise Certificates issued in San Jose,

California in 1936 (1985.0367).

Elaine Greening Ames Weed: trunk made of brass, mahogany, and elephant hide by Waterman Brown for the Ringling Bros. Circus in 1874, a set of brass keys, and a set of 2 books dated 1353 and 1373 (1986.0596).

John R. Weimer, M.D.: photograph of a 1911 Simplex automobile with a "Buckle-Up" cancelled stamp on the back, cancellation used November 1 through December 31, 1985 (1985.0965).

Dr. Judith Anderson Weise: embroidered quilt commemorating the Pan American Exposition made by Ellen Sophia Cecilia Larson and Hulda Fredericka Larson, early 20th century (1986.0032).

John Conrad Weiser: 6 hair nets, 4 Saniform mouthwash tablets, 2 "Boye" dress fasteners, 2 toilet pins, a safety razor, spool of silk thread, hair pins, Kilzo insect powder, and a pair of "Tack-on Soles" (1984.0557).

Sidney Weiser: USI TransfeRobot arm invented by Mr. Weiser with slip ring assembly, 3 fuse chips, and adjustable mirror mount (1984.0648).

James B. Weist: Railway Mail Service clerk's badge with number 84964 assigned by the Postal Transportation Service (1985.0059).

Western Publishing Company, Inc. (through Raymond C. Butman): "Golden Round the World Calendar" for 1974 written in braille (1984.0733).

Western Union Telegraph Company (through Anthony B. Leitch): Burroughs Class 3 adding machine (1986.0192).

Phyllis S. Wetherill: 6 cookie cutters and a cutter set (1985.0846).

Roy Wheeler: photograph of the U.S. fleet at anchor at Culebra, Puerto Rico in 1924 (1984.0721).

The White House, Office of the Curator (through Betty C. Monkman): group of 19 rolls of microfilm of White House inventories, 1901-80 (1985.0501).

John H. White, Jr.: souvenir ashtray of Detroit, Michigan picturing a clock and the words "Standard Time" (1984.0554); cast bronze sign from a Pullman railroad passenger car, ca. 1880 (1985.0086); 3 shelf clocks, one made by Ansonia Clock Company with a blue ceramic case, ca. 1900, one with a figure of Franklin Roosevelt with a clock movement made by Jerger Clock Company and a clock case by the Gibraltar Electric Company, ca. 1940, and one made by the British United Clock Company, Ltd. with a figure and bicycle, ca. 1900 (1986.0298).

Joseph H. White III and Wilma Joan White: 2 sword belts, a dress hat, and a long dress coat used by Dr. Joseph Hill White when a Lieutenant Colonel in the U.S. Public Health Service, ca. 1905 (1985.0767).

Lilya S. White: Finnish-American egg beater made by Mrs. White in 1980 (1980.0748).

Roger B. White: Appleton car mover used on the Baltimore and Annapolis Railroad (1983.0786); Miro road flare, ca. 1941 (1984.0935); section of fluted metal siding made by Budd Red Lion for railroad cars (1985.0081); automobile garment hook, ca. 1982 (1985.0638); 17 pieces of sheet music (1985.0874); 2 pamphlets, "America Today and Tomorrow John Glenn Talks about his Goals for our Country" and "Gerald R. Ford Our 38th President Destiny's Dark Horse: America's First Unelected President" (1986.0062); 12 pieces of sheet music (1986.0315).

Florence S. and Gladys M. Whitehead: Birge & Ives shelf clock, 1832-33 (1985.0941).

Maxwell Whiteman: 62 Afro-American figurines and a lithograph titled Busy Spot (1984.0053).

Stanley E. Whiting: Monroe calculating machine in case with instruction pamphlet, 1947 (1986.0131).

Mary Turner and Richard A. Whitney: 2 WW I posters, "Books Wanted" from the

USMC and "America Calls, Enlist in the Navy" (1985.0764).

Kenneth S. WidELITZ: Radio Shack TRS-80 Model I microcomputer with monitor, 2 groups of software diskettes, and 9 pieces of reference materials (1983.0169).

Kenneth S. and Milton A. WidELITZ: IMSAI 8080 microcomputer assembled by Kenneth S. WidELITZ in 1977 with 8 interior components, 7 pieces of software, a Mullen extender board, Micropolis dual drive, and a Sanyo monitor (1983.0043).

Edward A. Wiesman: 113 postage stamps with fancy cancellations (1985.0671).

Lillian A. Wiland: 3 letters written by John A. Sinclair to members of his family while serving aboard the U.S. Revenue Schooner Ewing during the Mexican War, 1846-47 (1985.0140).

Joseph L. Wiley: 16 pieces of presidential memorabilia (1985.0036).

Fred J. Wilkinson: 6 theater glass lantern slides advertising Quigley's Garage, Varley's Tire and Battery Service, and Todd's Highway Express, 1930s (1983.0790).

J. Walter Wilkinson: 6 oil paintings by Mr. Wilkinson and 8 posters, 4 color negatives, 2 sketches, and a photograph derived from the paintings and used to sell war bonds and stamps during WW II (1984.0653).

Betty V. Williams: Buddington drafting tool, notebook with stitchery samples, and a miniature sleeve (1984.0076).

Edna Williams: toy cannon with lid from the original box made by Milton Bradley Co. of Springfield, Massachusetts, 1914 (1986.0104).

Gordon T. Williams, Jr.: oldest chain saw in America manufactured by Andreas Stihl, 1927 (1982.0788).

Mrs. Donald E. Willman in memory of Captain Donald E. Willman, USN: U.S. Navy officer's chapeau worn by Capt. Donald E. Willman while a Lt. (jg.), 1938 (1984.0299).

University of Wisconsin-Stevens Point Foundation, Inc. (through Leonard L. Gibb): 2 glass nozzles, a ruby rod for Spacerays 500 joule ruby laser, and a quartz nozzle for skin cancer application (1985.0270).

Bella W. and Estelle S. Wiser: overskirt of crocheted wool, ca. 1912, and a brass pan used to prepare food for Purim, ca. 1900 (1986.0102).

Harold Withers: shooter's harness of leather and cast iron brackets (1982.0223).

Gretchen Leah Witt: woman's evening dress of maroon velvet and rose acetate by Victor Costa, 1931 (1986.0403).

Kathleen J. Wojan: transparent amber Depression glass cream soup bowl made in the "Diana" pattern by the Federal Glass Company of Columbus, 1937-40 (1985.0628).

Bertha Wolman: 4 political buttons, 2 lapel pins, 2 handkerchiefs, and a T-shirt, all with various slogans inscribed on them (1984.0985).

E. D. Wolski: 200 postage stamps of Poland and 150 postage stamps of Germany (1984.0742).

Women's Vote Project (through Susan J. Smith): 2 buttons, 2 leaflets, 2 stickers, and a card, all relating to voting and women (1985.0126).

David E. and Marilyn A. Wood: bottle of PDQ bug killer and a bottle of acetate of potassium (1984.0552).

Philip Wood: warm-up jacket from the Washington Senators baseball team, 1939 (1986.0430).

Evelyn R. Woolf: mirror with porcelain frame decorated in high relief with flowers and putti, made in Meissen, Germany, late 18th-19th century (1984.1138).

George W. Workman: police badge marked "Cook/Jail" (1984.1021).

Larry M. Wright: 17th-century British token salvaged from the Delaware River (1986.0469).

Richard L. Wright: 5-piece U.S. Post Office Department letter carrier's uniform, ca. 1960 (1984.0601).

Wright State University, School of Medicine, Department of Medicine in Society (through Jack M. Groves, Marvin R. Manker, and Harvey A. Siegal, Ph.D.): adult-sized tank and accessories used to measure body volume by air displacement, developed and used at the Fels Research Institute (1985.0142).

Xerox Corporation (through David J. Kearns): Xerox model 914 fully automatic plain paper copier, 2 servicing field handbooks, and an empty can of Haloid Xerox film remover (1985.0669).

Joseph Yakaitis: Mauser semiautomatic pistol with magazine, made in Germany (1981.0572).

Edward S. Yambrusic: 4 Croatian Easter eggs (1981.0456).

Alvin C. and Gladys F. Yantiss: fragment of handwoven patterned heavy white household linen, 18th century (1985.0640).

Jay Dee and Joan Yearous: advertising blotter, 1941 (1984.0523).

Arthur K. Yellin, R.Ph.: Galton Whistle with rubber bulb (1986.0213).

Jean H. Youngren: 1,273 mint and used stamps of the United States, 8 mint stamps of Poland, and 6 mint and used stamps of the Confederate States of America (1984.1018).

Betty McGlaughlin Youssef: 24 photographs of the Youssef family and friends autocamping in North Carolina and the West, 1928, and sleighing at Mount Rainier, Washington, 1925 (1985.0587).

Gene Zaner: 19 U.S. and French first day covers commemorating the 50th anniversary of Charles A. Lindbergh's solo flight across the Atlantic Ocean, May 20-21, 1977 (1985.0762).

Carl Zeiss, Inc. (through Thomas L. Van Cader): student retina pathology set, early 20th century (1986.0305).

David E. Zeitlin: 4 examples of "Whieldon-type" English creamware including a tea caddy, teapot, sugar bowl, and part of a vielleuse, ca. 1760 (1985.0749); refined earthenware coffeepot with cover made in Staffordshire, England, ca. 1755 (1986.0041).

Zenith Electronics Corp. (through William A. Nail): acousto-optic laser deflector and light modulator (1985.0290).

Jeanne R. Zeydel: aluminum hors-d'oeuvre tray made by the Continental Silver Co., Inc. of New York, 1920s-50s (1986.0080).

Anne B. Zill: banner, "While there is a soul in prison..." (1985.0943); 139 cause-oriented posters, 10 bumper stickers, 4 sheets of stickers, 2 handbills, a magazine, book, and a leaflet (1986.0231).

Zilog-Exxon Information System (through Norm Weise): microchip Z8400P-Z80CPU (1984.0123).

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## Appendix 9

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As a trust instrumentality of the United States, the Smithsonian Institution has received federal support since it was established in 1846 to carry out the terms of James Smithson's will. Appropriated funds have long provided important additions to the trust funds, donated by Smithson and subsequent benefactors, to enable the Institution to carry out its responsibilities for research and exhibition of the national collections and maintenance of the valuable objects and records of science, history, and culture entrusted to the Institution.

The Smithsonian's basic trust funds have provided the Institution with the elements of flexibility and independence essential to its creative, innovative growth. Trust funds traditionally have made possible many of the research, acquisition, and educational programs that are central to the Smithsonian's achievements.

The Smithsonian is extremely grateful to all foundations, corporations, and individuals for their gifts, bequests, and contributing memberships in the Smithsonian Associates.

The Contributing Members of the Smithsonian National Associate Program support the Institution's work through annual contributions of \$50, \$100, \$250, \$500, \$1,000, and \$1,500.

The James Smithson Society was created in 1977 to encourage and recognize major gifts to the Smithsonian Institution. The Society, which is the highest order of the Contributing Membership in the Smithsonian Associates, is composed of Annual and Life Membership categories. Extraordinary contributions to the Smithsonian Institution are recognized through the Society's Founder Medal award and Life Membership.

The Smithsonian Institution gratefully acknowledges the generous support of the James Smithson Society and the Contributing Membership of the Smithsonian Associates.

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## Appendix IO

Visitors to Smithsonian Institution Museums in Fiscal Year 1986

MONTH	SMITHSONIAN INSTITUTION BUILDING	ARTS AND INDUSTRIES BUILDING	NATURAL HISTORY BUILDING	AIR AND SPACE BUILDING	FREER GALLERY OF ART	NATIONAL MUSEUM OF AMERICAN HISTORY	TOTALS
October 1985	81,394	78,610	368,136	643,119	23,020	329,268	1,523,547
November	64,683	63,939	482,428	597,446	23,041	287,029	1,518,566
December	45,466	51,903	257,860	379,238	15,313	246,581	996,361
January 1986	41,598	38,195	212,175	327,327	14,371	175,728	809,394
February	44,928	43,187	238,836	361,928	15,859	189,853	894,591
March	88,733	84,069	598,810	703,819	29,432	413,343	1,918,206
April	112,875	99,711	774,885	945,925	32,163	736,250	2,701,809
May	94,692	99,570	630,999	758,238	33,172	724,010	2,340,681
June	111,049	109,547	673,588	701,471	30,435	590,022	2,105,063
July	124,795	146,952	727,841	933,037	33,595	638,518	2,479,943
August	149,309	148,024	702,889	984,870	36,203	580,757	2,602,052
September	76,131	83,690	293,626	416,126	21,632	231,975	1,123,180
TOTALS	1,035,653	1,047,397	5,962,073	7,752,544	308,236	5,143,334	21,249,237



MONTH	AMERICAN ART & PORTRAIT GALLERY	RENWICK GALLERY	HIRSHORN MUSEUM	ANACOSTIA NEIGHBORHOOD MUSEUM	COOPER- HEWITT MUSEUM	MUSEUM OF AFRICAN ART	TOTALS
October 1985	29,125	8,062	82,263	2,268	8,910	3,440	134,068
November	25,541	8,244	74,863	2,424	8,642	3,628	123,342
December	19,619	8,281	47,455	2,262	12,050	4,342	94,009
January 1986	20,391	9,512	40,458	2,243	12,896	2,334	87,834
February	21,412	8,689	40,483	3,071	15,640	4,955	94,250
March	41,415	10,882	97,871	3,382	19,502	4,543	177,595
April	35,488	12,210	108,527	3,975	16,972	2,486	179,658
May	32,288	12,940	118,745	3,555	13,296	5,036	185,860
June	33,900	11,684	122,002	3,473	16,665	2,151	189,875
July	30,971	11,777	127,559	4,645	7,987	-	182,939
August	30,250	13,260	126,938	2,734	30,684	-	203,866
September	25,657	9,309	70,589	2,282	27,507	-	135,344
TOTALS	346,057	124,850	1,057,753	36,314	190,751	32,915	1,788,640
Grand Total							<u>23,037,877</u>

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. / Not reflected in the above tabulation are an estimated 3,000,000 visitors to the NATIONAL ZOOLOGICAL PARK in fiscal year 1986. The very nature of the Park, with its indoor and outdoor exhibits and its several vehicular and pedestrian entrances, makes it impossible to obtain exact visitor statistics. To overcome this difficulty, the Zoo has developed a reliable sampling system which was used to determine the fiscal year 1986 estimate of 3,000,000 visitors.



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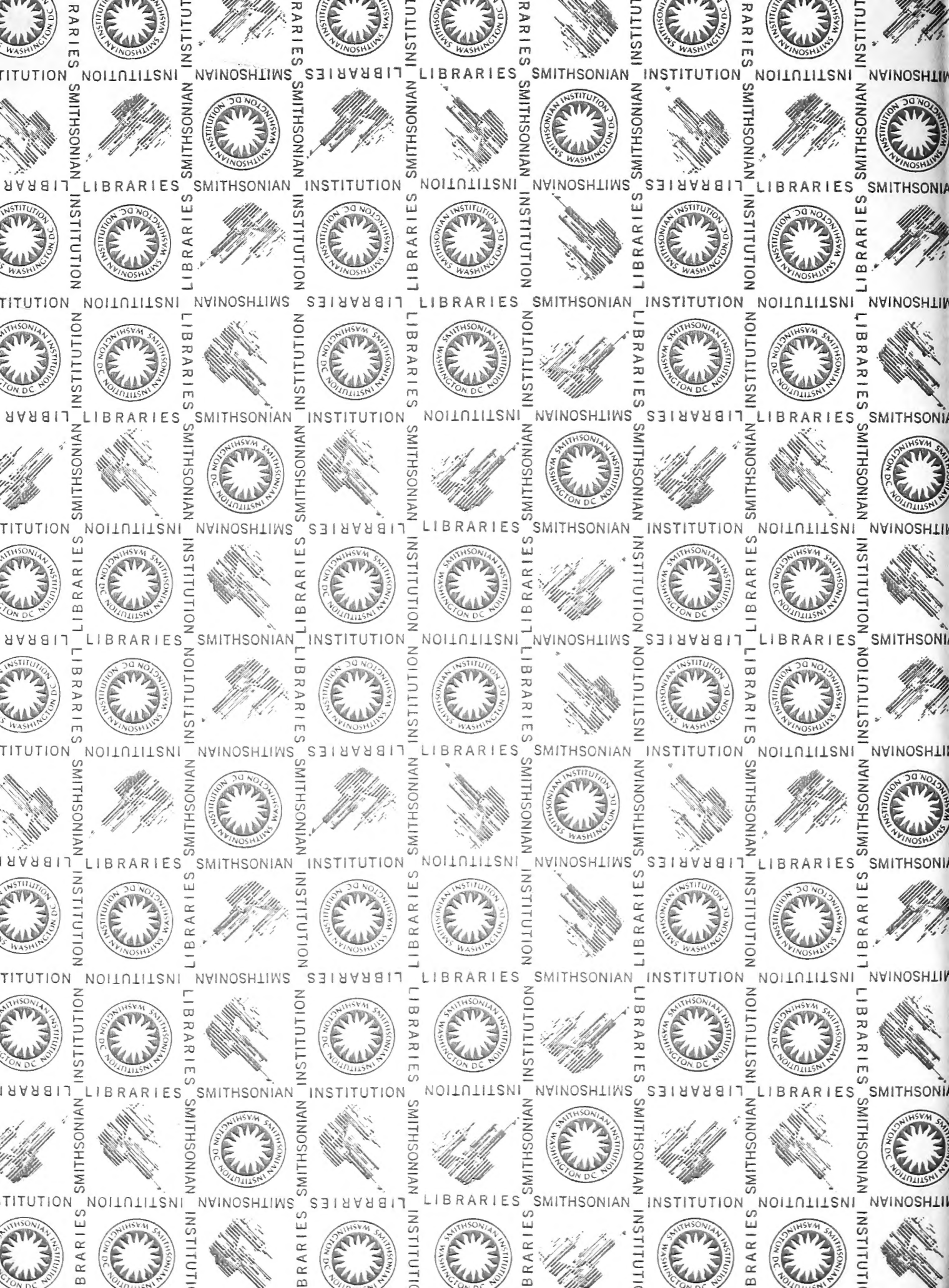
Grand Total



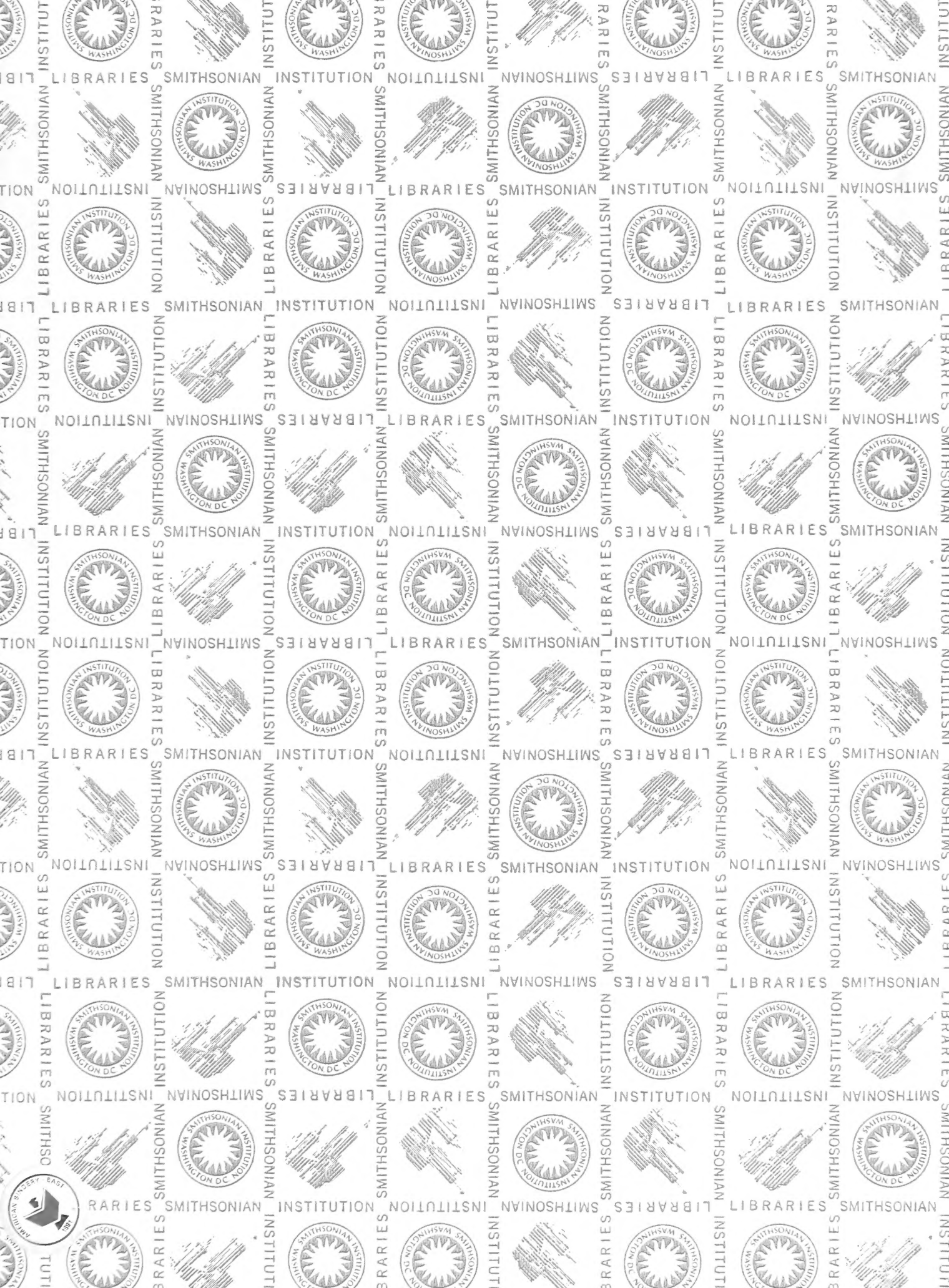












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