

2002 Collection Statistics

**National Collections Program
Smithsonian Institution Archives**

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LIST OF REPORTING UNITS

AM& CAAHC	Anacostia Museum and Center for African American History and Culture
AAA	Archives of American Art
AC	Archives Center, National Museum of American History, Behring Center
AMSG	Arthur M. Sackler Gallery
CEROS	Center for Research and Outreach Services, National Portrait Gallery
C-HNDM	Cooper Hewitt National Design Museum
CFCH	Center for Folklife & Cultural Heritage
CWPP	Charles Willson Peale Papers, National Portrait Gallery
EEPA	Eliot Elisofon Photographic Archives, National Museum of African Art
FGA	Freer Gallery of Art
FSGA	Freer & Sackler Galleries Archives
FGA/AMSG Library	Freer Gallery of Art & Arthur M. Sackler Gallery Library
HMSG	Hirshhorn Museum and Sculpture Garden
HMSG Library	Hirshhorn Museum and Sculpture Garden Library
HSD	Horticultural Services Division
HSFA	Human Studies Film Archives, National Museum of Natural History
NAA	National Anthropological Archives, National Museum of Natural History
NASA	National Air & Space Archives, National Air & Space Museum
NASM	National Air & Space Museum
NMAfA	National Museum of African Art
NMAH	National Museum of American History, Behring Center
NMAI	National Museum of the American Indian
NMNH	National Museum of Natural History
NPG	National Portrait Gallery
NPM	National Postal Museum
NZP	National Zoological Park
OAHP	Office of Architectural History & Historic Preservation
SAAM	Smithsonian American Art Museum
SAAM/NPG Library	Smithsonian American Art Museum/National Portrait Gallery Library
SIA	Smithsonian Institution Archives
SITES	Smithsonian Institution Traveling Exhibition Service
SIL	Smithsonian Institution Libraries

ABBREVIATIONS

N/A	Not Applicable
N/R	Not Reported
SI	Smithsonian Institution
SIRIS	Smithsonian Institution Research Information System
TRANS	Transactions

Summary



INTRODUCTION

Whether they are acquired from the depths of the oceans, extraterrestrial origins, archaeological sites, tropical rainforests, or everyday life, thousands of objects and specimens are added to Smithsonian collections each year. The collections serve to advance the dual mission of the Smithsonian: to expand a shared understanding of the mosaic of American life and history, and to advance the contributions of science to society.

This report presents a wealth of information regarding collection size, growth, and transaction activity in the museums, archives and libraries of the Smithsonian. First published in 1987, this statistical report has become an important indicator of collections management activity, informing Smithsonian management and staff of unique events occurring in a given year and significant trends reflected over time. The combined data of this year's report and previous editions provides baseline information useful in benchmarking. It also demonstrates the Smithsonian's accountability and oversight of the collections held in trust for the American people.

The report is divided into three sections: Management Excellence, Public Impact, and Acquisition Highlights. Within each section, information is organized and presented for the museum, archive, and library communities to appropriately reflect their differences and uniqueness. For ease of presentation, legacy data is provided for the past 5 years. A questionnaire is included to solicit user comments and suggestions.

The National Collections Program wishes to acknowledge and thank Smithsonian collections management staff for their dedication and hard work as guardian to some of the nation's greatest artistic, historic, and scientific treasures.

Management Excellence

“We intend ... to bring [the following] to a level of quality and sophistication appropriate to a contemporary organization of the size and complexity of the Smithsonian Institution:

- Collections management and storage ...
- Management information ...
- Information technology ...”

Public Impact

“We want to enlarge dramatically our audiences and our degree of engagement with the public ... by offering them compelling and absolutely first-class exhibits ... using the Web to bring the Smithsonian to the nation – and the world.”

The Smithsonian Institution in the 21st Century – The First Decade's Work
Lawrence M. Small

2002 BY THE NUMBERS

143.5 million

The number of artifacts, works of art, and specimens of nature in Smithsonian museum collections at the close of FY 2002.

88%

Nearly **125.8** million specimens of total Smithsonian holdings represent the collections of the National Museum of Natural History.

1,136,333

The number of objects and specimens acquired for Smithsonian museum collections in 2002. **44%** were donations and bequests, **1%** were transfers, **3%** were field collected, **51%** were purchases, and **1%** were exchanges.

0.39%

Annual rate of collections growth during the past ten years.

2,820 cubic feet, 1,004,630 feet of film, and 3,228 items

The number of new additions to Smithsonian archival holdings.

25,451

The number of volumes added to Smithsonian library holdings.

13,499

The number of objects and specimens deaccessioned.

131,502

The number of objects and specimens lent as new outgoing loan transactions during FY 2002. This material was loaned in 1,633 separate transactions. **88%** were loaned for research and identification and **12%** were loaned for exhibition and “other” purposes.

51

The number of U.S. states and territories where the Smithsonian initiated new outgoing loan transactions.

48

The number of foreign countries that received Smithsonian collections as part of new outgoing loans initiated during FY 2002.

10,462,905

The number of objects and specimens borrowed as new incoming loans initiated during FY 2002. Of this total, **97%** occurred at the National Museum of Natural History including the receipt of more **10,156,321** specimens for scientific study.

37,937

Responses to reference requests by Smithsonian archival units.

20,702

The number of interlibrary loans conducted by Smithsonian Institution Libraries.

9.2 million

The number of collection records in automated collections information systems at the close of FY 2002.

1.2 million

Total number of digital collection images.

12.3 million

The number of objects and specimens available in electronic form to the public.

INSTITUTIONAL HIGHLIGHTS

The following statistics highlight various aspects of collections management around the Smithsonian.

Museums

<i>Items</i>	2002	2001	2000	1999	1998
Acquisitions	1,136,333	315,656	277,949	377,621	315,111
Deaccessions	13,499	6,452	29,311	10,102	8,946
Incoming Loans	10,462,905	136,660	332,408	111,209	91,170
Outgoing Loans	131,502	271,833	188,081	1,495,048	250,306

Archives

	2002	2001	2000	1999	1998
Acquisitions	2,820 cubic ft.	2,311	1,850	1,423	2,078
Reference Trans.	37,937	36,504	42,531	49,537	49,958
Processing	655 cubic ft.	1,663	331	1,789	558

Libraries

	2002	2001	2000	1999	1998
Acquisitions	25,451 volumes	19,921	17,322	21,431	26,180
Current Journals	7,028	6,252	7,437	7,883	7,676
Interlibrary Loans	20,702 titles	16,744	20,001	22,800	8,459

SITES

	2002	2001	2000	1999	1998
Exhibitions Circulated	56	53	45	43	40
Number of Objects	2,220	1,401	1,261	1,353	991
Number of Exhibitors	231	200	204	204	183

Management Excellence



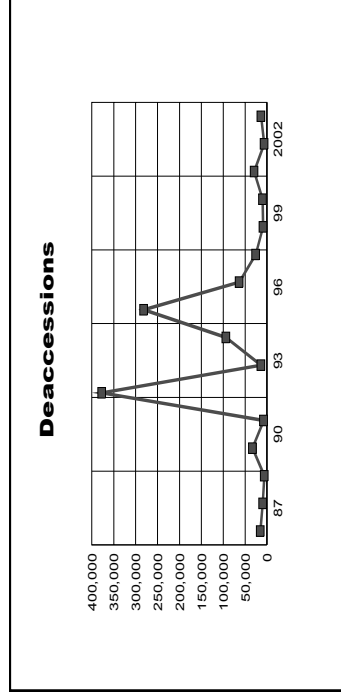
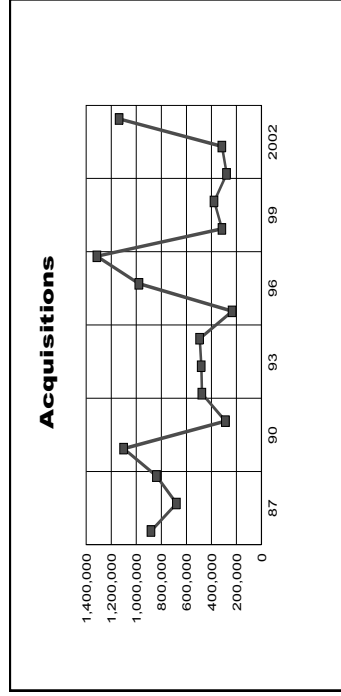
The acquisition, preservation, management, and study of collections are fundamental to the Smithsonian's mission and have been the foundation upon which its reputation rests. Assembled over more than 150 years, the national collections are central to many of the core activities and to the vitality and significance of the Smithsonian.

The Smithsonian recognizes and accepts its fiduciary responsibility to provide proper management, preservation, and use of the collections and associated information it holds for the benefit of the public.

Smithsonian Directive 600: Collections Management

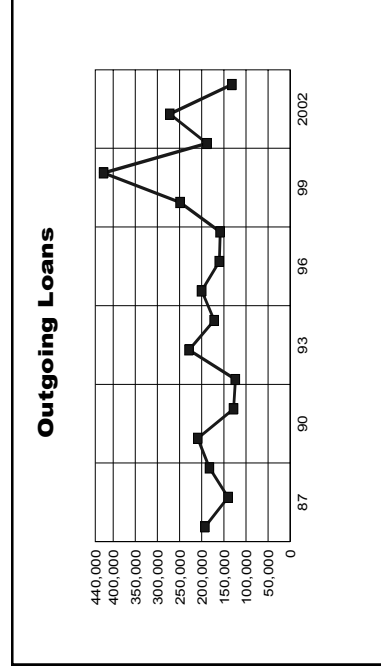
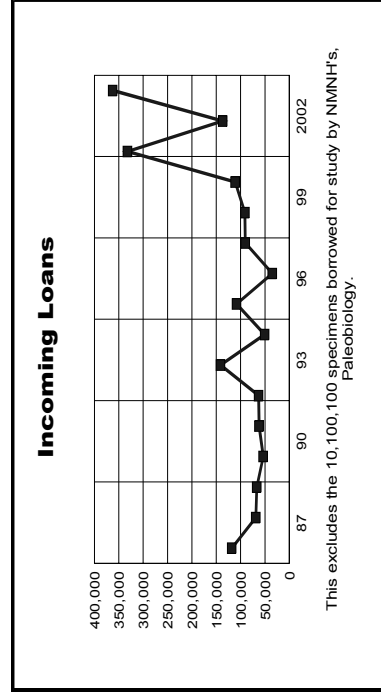
MUSEUM COLLECTION TOTALS

	2002	2001	2000	1999	1998
Items	Items	Items	Items	Items	Items
Smithsonian Total	143,538,924	142,417,741	142,105,365	141,849,308	141,480,709
ART	313,108	309,212	290,481	289,552	288,233
AMSG	3,797	3,975	3,838	3,486	3,319
C-HNDM	203,075	200,209	182,220	181,951	181,764
FGA	28,314	28,307	28,277	28,253	28,160
HMSG	11,493	11,465	11,488	11,524	11,717
NMAFA	8,247	7,573	7,375	7,360	7,209
NPG	18,874	18,644	18,514	18,448	18,151
SAAM	39,308	39,039	38,769	38,530	37,913
CULTURAL HISTORY	17,404,595	17,389,150	17,299,272	17,269,062	17,236,729
AM&CAAHC	7,711	7,480	7,203	7,203	7,203
NASM	45,041	47,302	46,704	38,806	37,117
NMAH	3,176,737	3,165,947	3,140,582	3,131,923	3,126,314
NMAI	779,319	778,696	778,348	771,617	771,297
NPM	13,358,437	13,352,396	13,289,114	13,282,201	13,257,549
HSD (Artifacts)	34,109	34,109	34,109	34,109	34,109
OAHP	3,241	3,220	3,212	3,203	3,140
NATURAL SCIENCE	125,821,221	124,719,379	124,515,612	124,290,694	123,955,747
NMNH	125,808,564	124,706,798	124,487,528	124,262,882	123,927,999
NZP	2,714	3,269	3,410	3,586	3,576
HSD (Living Plants)	9,943	9,312	24,674	24,226	24,172



During 2002, Smithsonian museums acquired 1,136,333 objects and specimens. The Science Community accounts for the overwhelming majority of acquisitions (1,113,875 or 98%). Smithsonian art museums acquired 1,335 artworks while the history museums acquired 21,123 artifacts.

The Smithsonian deaccessioned a total of 13,499 objects and specimens. Seventy-nine percent of total deaccessions occurred in the science community while twenty percent occurred in the history community. Deaccessions in the art community totaled one percent.

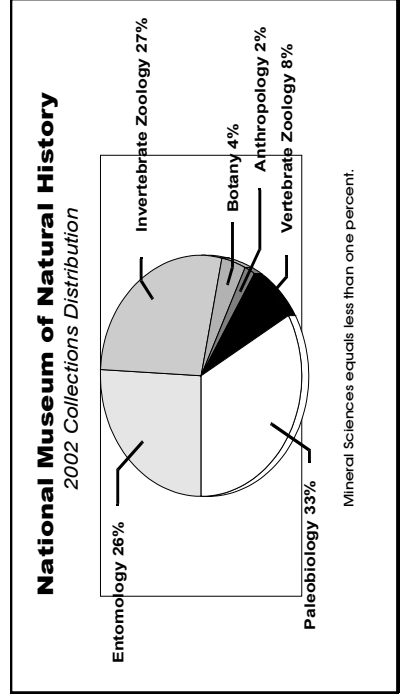
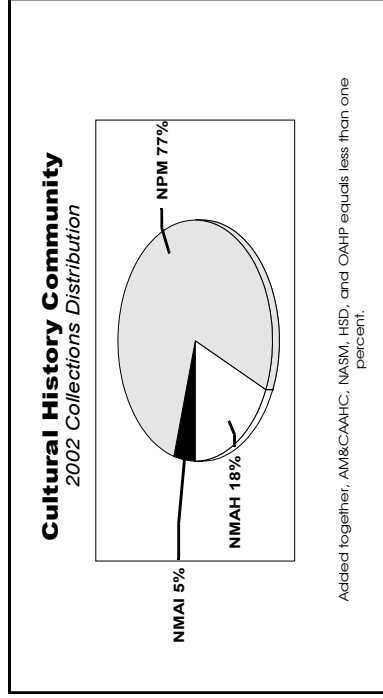
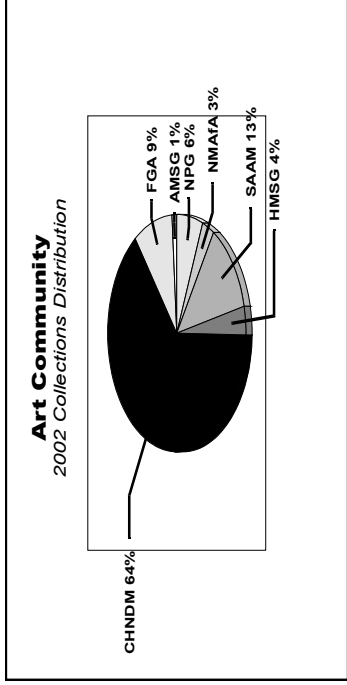
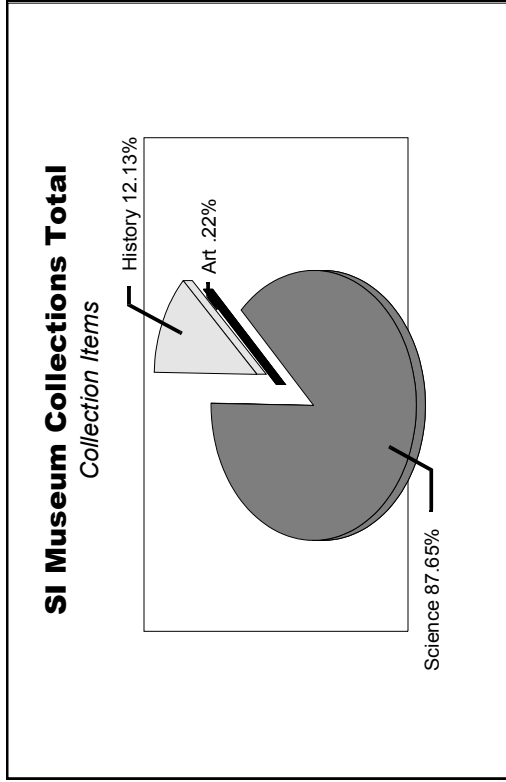


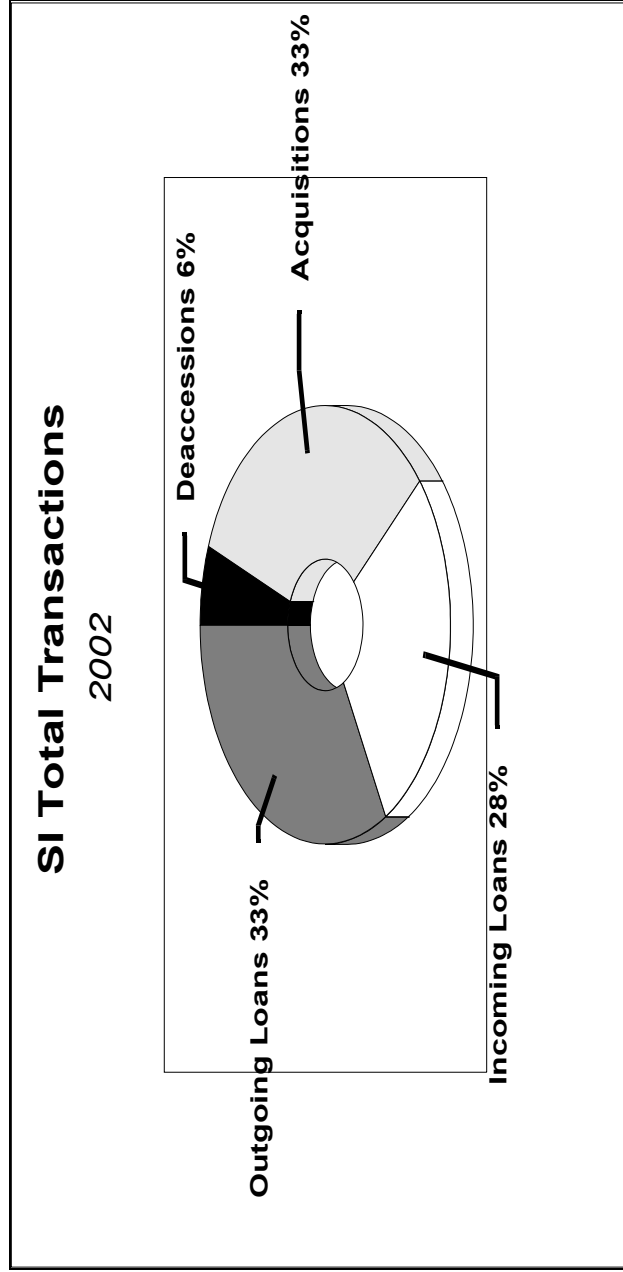
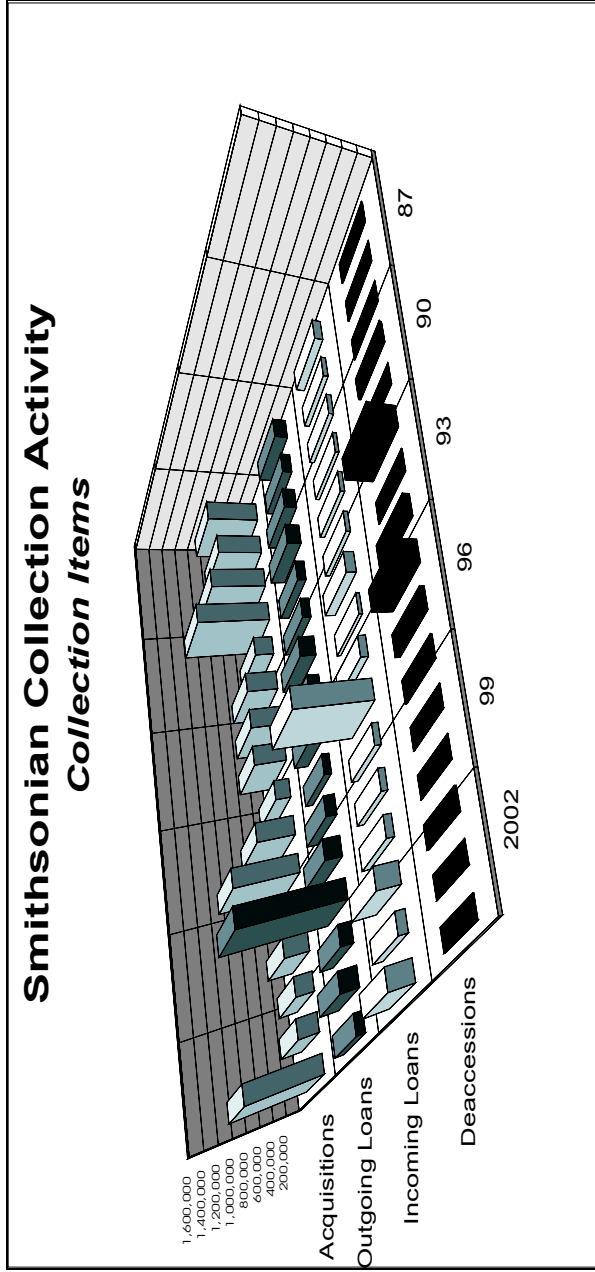
Excluding the 10,100 specimens borrowed by NMNH's Department of Paleobiology, incoming loans initiated during 2002 totaled 1,399 transactions and 362,805 objects and specimens. Of this total, sixty-nine percent were for accession consideration, sixteen percent for study, fourteen percent for identification, and one percent for exhibit.

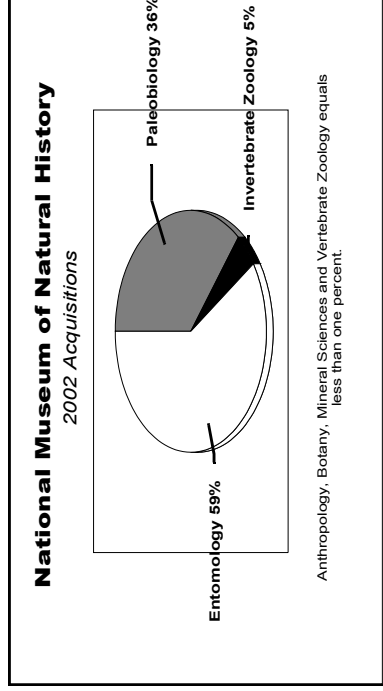
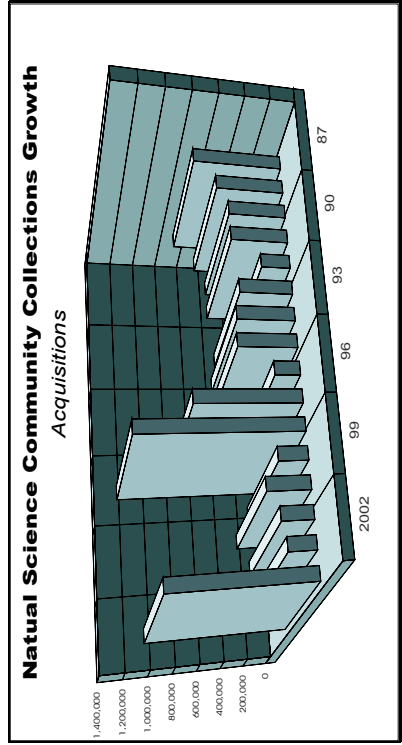
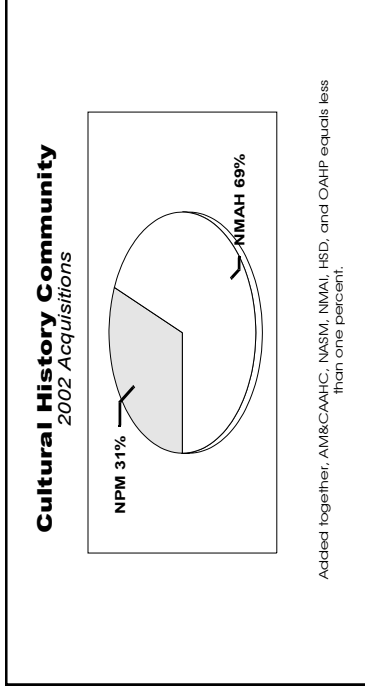
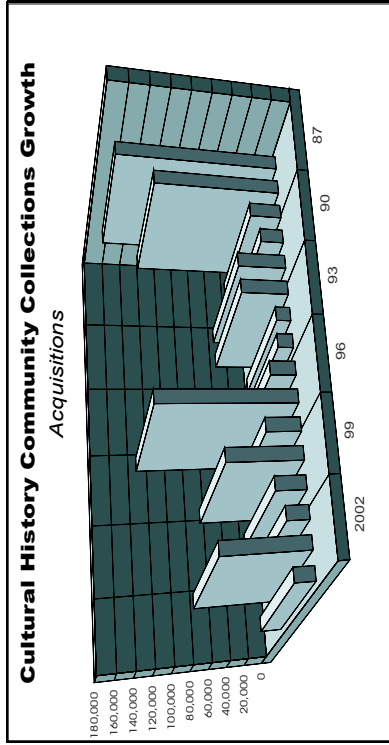
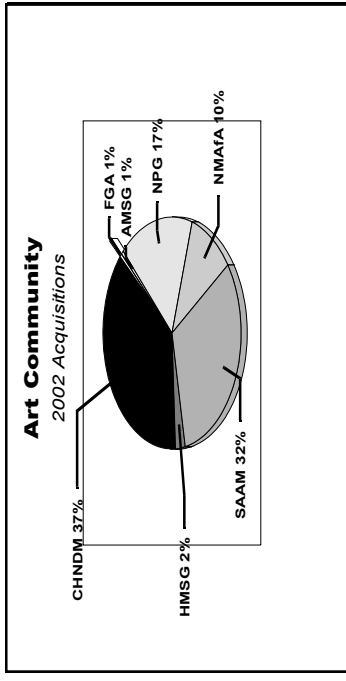
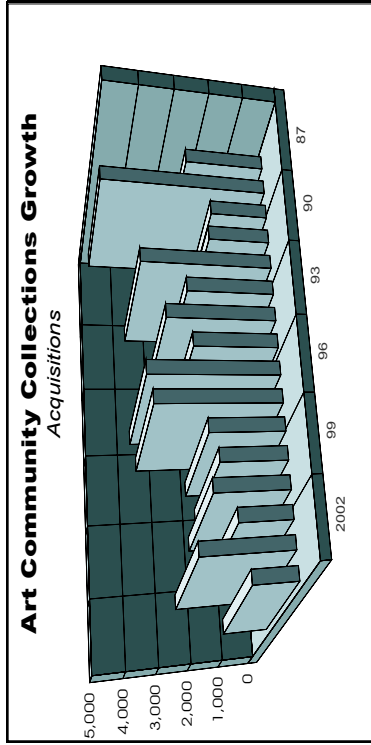
Outgoing loans initiated totaled 1,633 transactions and 131,502 objects and specimens to nearly every state in the United States and to 48 countries around the globe. Seventy-three percent were for study (including study loans of 63,342 specimens from the Department of Entomology, NMNH), fifteen percent for identification, seven percent for other purposes, and five percent for exhibition.

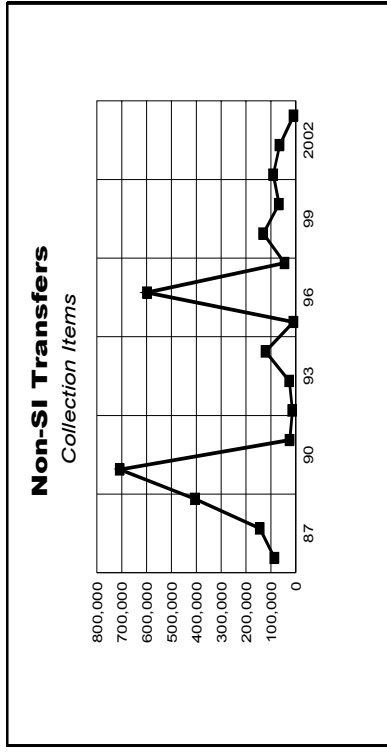
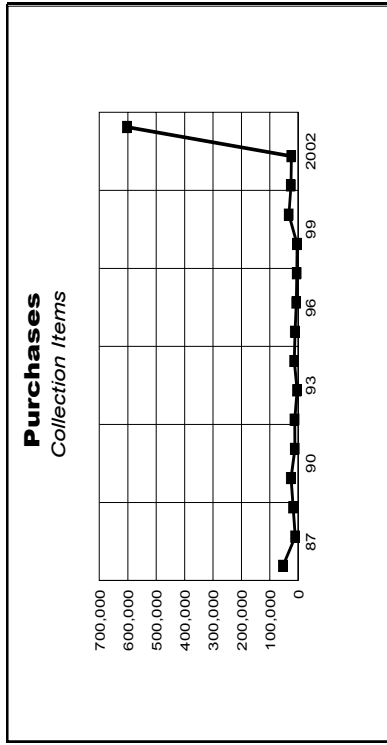
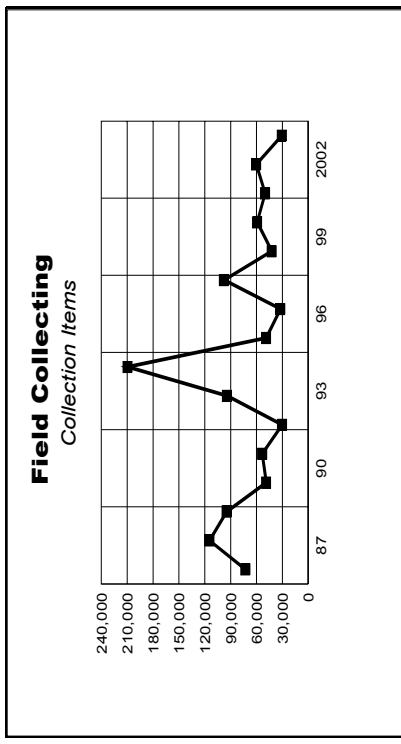
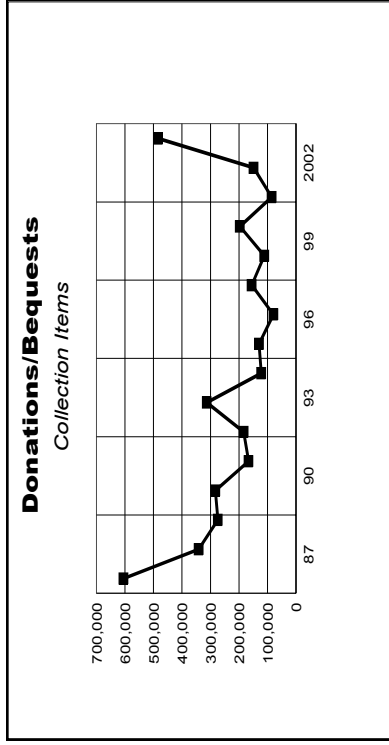
COLLECTIONS DISTRIBUTION

The following graphs are based on total collection holdings at the close of FY 2002.









The substantial increase in donations and purchases during 2002 are the direct result of two major collecting areas at NMNH – entomological and fossil collections:

- The Department of Entomology purchased the Wolfgang Ullrich collection of 600,000 heteroptera and hemiptera specimens (true bugs) of the southern Mediterranean.
- The Department of Paleobiology acquired four large microfossil collections totaling 384,000 specimens valuable to scientists in studying past environments and climatic change.

ACQUISITIONS

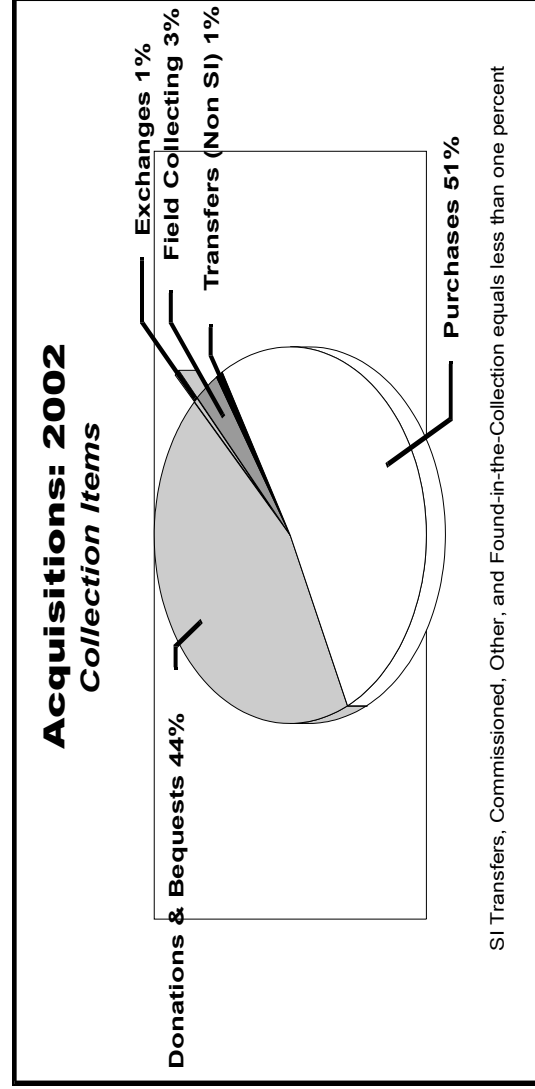
	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Smithsonian Total	1,618	1,136,333	1,785	315,656	1,584	277,949	2,222	377,621	1,986	315,111
ART	223	1,335	301	2,723	195	769	366	1,881	467	2,838
AMSG	4	7	24	137	17	130	24	167	29	333
C-HNDM	42	500	56	1,926	29	275	65	511	81	943
FGA	6	7	18	30	19	24	21	93	40	601
HMSG	20	28	25	32	10	11	31	43	37	47
NMAFA	23	137	26	198	12	34	27	151	28	62
NPG	46	230	48	130	41	56	94	297	86	216
SAAM	82	426	104	270	67	239	104	619	166	636
CULTURAL HISTORY	466	21,123	468	89,420	369	23,190	493	31,546	415	77,319
AM&CAAHC	22	231	9	277	0	0	0	0	4	4
NASM	55	713	69	598	31	819	42	375	20	353
NMAH	289	13,418	316	25,288	285	8,690	371	5,712	364	5,772
NMAI	62	696	42	367	34	6,759	30	344	N/R	N/R
NPM	27	6,041	24	62,874	14	6,913	34	25,052	20	71,178
HSD (Artifacts)	0	0	0	0	0	0	0	0	0	0
OAHP	11	24	8	16	5	9	16	63	7	12
NATURAL SCIENCE	929	1,113,875	1,016	223,513	1,020	253,990	1,363	344,194	1,104	234,954
NMNH	865	1,111,324	958	221,235	962	252,633	1,271	342,773	1,000	233,049
NZP	46	799	46	831	45	842	85	1,251	92	1,339
HSD (Living Plants)	18	1,752	12	1,447	13	515	7	170	12	566

A sampling of 2002 acquisitions reflects the depth and diversity of Smithsonian collections: (see Acquisition Highlights for more)

- The work clothing (including shirt, trousers and shoes, a tool scabbard, and a squeegee handle) worn to work by Mr. Jan Demczur, a window cleaner at the World Trade Center on September 11, 2001. Demczur used the squeegee handle to cut through wallboard when he and five other men were trapped in the elevator on the 50th floor of Tower 1 in order to escape from the building moments before it collapsed.
- A gelatin silver print recording the arrest of Medgar Evers and NAACP national secretary Roy Wilkins, as they picketed the F.W. Woolworth store in Jackson, Mississippi, taken just eleven days before Ever's assassination on June 12, 1963.
- Thirty-seven house mice and gerbils collected in Afghanistan, Pakistan, and Qatar during Operation Enduring Freedom as part of an investigation of possible disease hosts and vectors.
- A collection of Inuit art including 309 sculptures, prints, and drawings.
- A Russian flight suit, typical of those worn on board the Salyut space station during the Soviet Union's early long-duration missions.
- *Monekana* (2001), a monumental, iconic bronze horse by prominent contemporary sculptor Deborah Butterfield.
- A custom-made baby grand piano belonging to the celebrated African American opera singer Madame Lillian Evanti.
- An 11th century section ("juz") of the Koran from Central Asia, probably Uzbekistan, ink, color, and gold paper with leather binding.
- *Dream Building in Landscape* (2001), a sculpture by William Christenberry.
- *The Last Supper Revisited* (1993), a mixed media installation by Sue Williamson, shows the last supper for the Muslim holiday of Eid al Fitr, as celebrated by the Ebrahim family, whose Cape Town house was leveled by bulldozers during apartheid.
- An engraved, blown clear glass vessel designed by Edward Hald in 1923, executed by Ragnar Rosenstam, manufactured by Orrefors.
- *Morning on the Darbhanaga Ghat, Benares, Uttar Pradesh* (1998), a chromogenic print by Raghbir Singh.
- A lowland gorilla named "Kojo," native to the tropical forests of West and Central Africa; the fifth offspring of female Mandara.
- A variety of objects from the New York City Church Street Post Office, located across the street from the World Trade Center. All of the World Trade Center mail routes were sorted and delivered out of this post office.

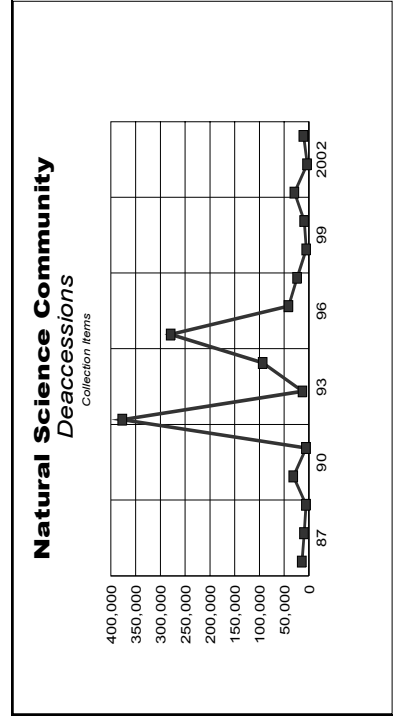
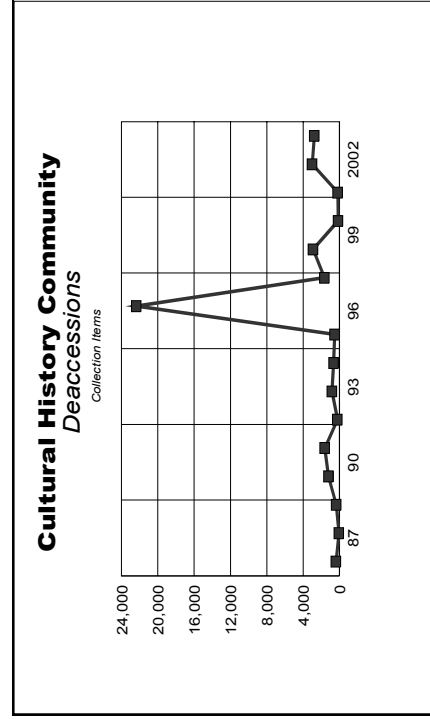
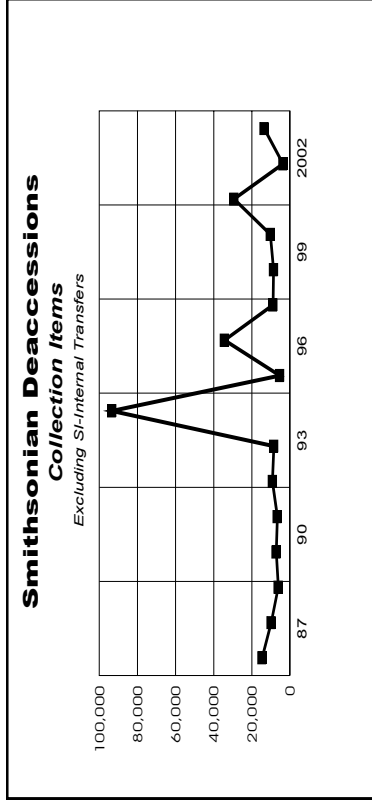
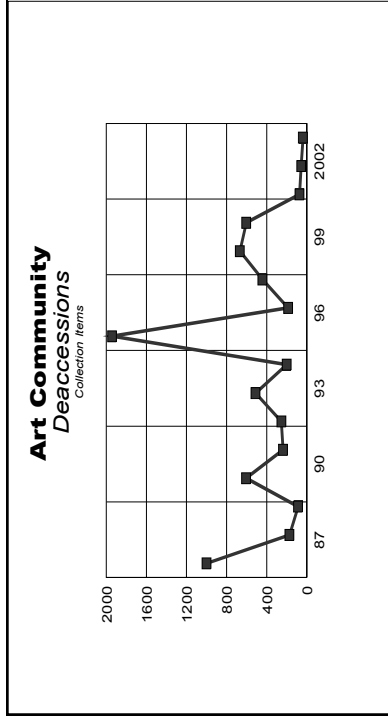
ACQUISITIONS BY METHOD

	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Smithsonian Total	1,618	1,136,335	1,785	315,656	1,584	277,949	2,222	377,621	1,986	315,111
Donations	1,035	483,804	1,173	142,673	1,053	80,350	1,498	126,442	1,237	69,958
Purchases	269	602,754	265	24,241	214	25,531	305	32,813	348	3,974
Bequests	7	75	7	6,056	13	5,020	16	70,426	13	41,140
Transfers (SI)	16	805	23	988	22	1,770	29	984	28	635
Transfers (Non SI)	75	8,222	86	64,625	65	90,140	53	67,199	78	130,402
Field Collecting	83	30,396	75	60,259	63	49,966	99	59,254	83	42,262
Exchanges	89	6,149	91	5,570	99	19,791	171	12,333	123	6,966
Found in Collection	36	2,751	38	2,026	28	2,944	30	2,371	32	18,731
Commissioned	1	6	2	3	14	37	2	4	3	6
Other	7	1,371	25	9,215	13	2,400	19	5,795	41	1,037



DEACCESSIONS

	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Smithsonian Total	283	13,499	500	6,452	220	29,311	297	10,102	1,917	8,946
ART	1	37	56	56	3	72	10	603	35	667
AMSG	0	0	0	0	0	0	0	0	0	0
C-HNDM		N/R	1	1	1	6	5	329	30	74
FGA	0	0	0	0	0	0	0	0	0	0
HMSG	0	0	55	55	1	47	2	237	2	75
NMAFA	0	0	0	0	1	19	1	35	1	35
NPG	0	0	0	0	0	0	0	0	0	0
SAAM	1	37	0	0	0	0	2	2	2	483
CULTURAL HISTORY	47	2,766	75	3,005	48	178	28	149	37	2,900
AM&CAAHC	0	0	0	0	0	0	0	0	0	0
NASM	18	42	53	2,932	21	53	4	4	9	20
NMAH	24	2,648	17	45	23	97	21	137	26	1,949
NMAI	3	73	4	19	4	28	3	8	N/R	925
NPM	0	0	0	0	0	0	0	0	0	0
HSD (Artifacts)	0	0	0	0	0	0	0	0	0	0
OAHP	2	3	1	9	0	0	0	0	2	6
NATURAL SCIENCE	235	10,696	369	3,391	169	29,061	259	9,350	1,845	5,379
NMNH	65	9,558	52	1,965	63	27,987	107	8,023	180	2,001
NZP	37	1,005	34	1,143	39	1,007	36	1,211	55	1,768
HSD (Living Plants)	133	133	283	283	67	67	116	116	1,610	1,610

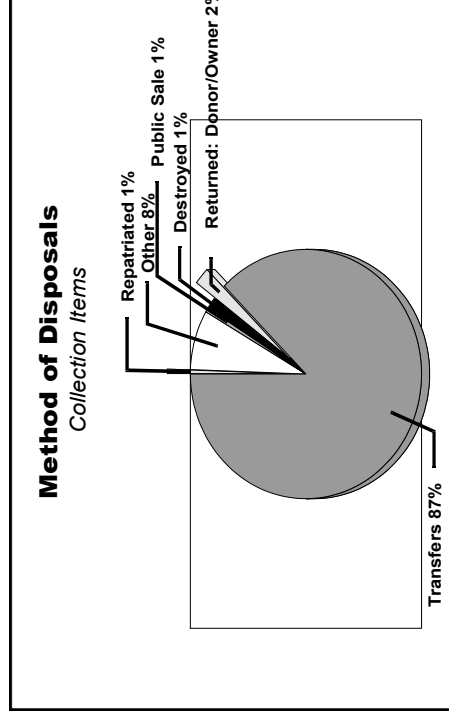
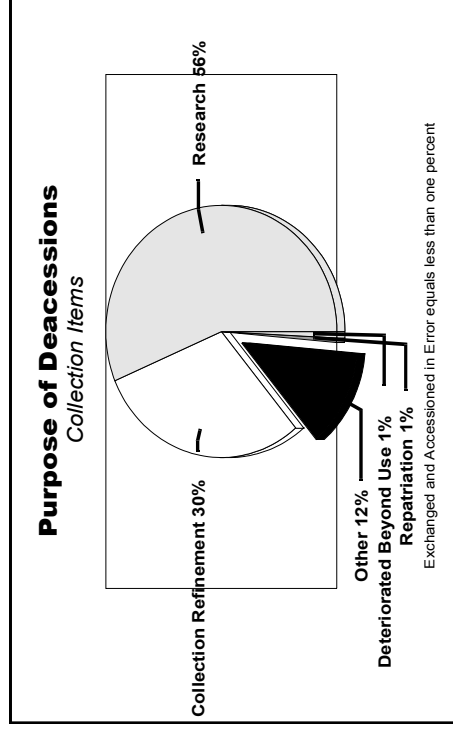


During FY 2002, the Smithsonian deaccessioned 13,499 collection items.

UNIT HIGHLIGHTS

- Seventy-one percent (9,558) of total deaccessions occurred at the National Museum of Natural History, twenty percent (2,648) at the National Museum of American History, seven percent (1,005) at the National Zoological Park, and two percent (288) at remaining units.
- The Department of Systematic Biology, NMNH, deaccessioned 9,545 specimens including the donation of 8,593 specimens for research and collection refinement purposes to other scientific and educational organizations such as: University of Wisconsin, Oshkosh; University of Denver; College of Charleston; Russian Academy of Sciences; Florida Museum of Natural History; Rijksmuseum van Natuurlijke Historie; Woods Hole Oceanographic Institute; Universidad de Costa Rica; Universidade Federal do Parana, Brazil; Museum fur Naturkunde, Berlin; Australian Museum; Musee Royal de L' Afrique Centrale; Milwaukee Public Museum; Field Museum of Natural History; Royal Ontario Museum; Museum of New Zealand; Los Angeles County Museum; and Scripps Institution of Oceanography. In addition, the department transferred 500 gastropods to the NMNH Office of Education for use in public programming.

- The National Museum of American History deaccessioned 2,623 artifacts from several Bermuda shipwrecks for transfer to the Bermuda Maritime Museum. Twenty objects were deaccessioned as part of collections refinement and transferred to the Dibner Rare Book Library, SIL, and the Center for Folklife and Cultural Heritage. Three objects, deteriorated beyond use, were deaccessioned and destroyed. Two military history objects, accessioned in error, were returned to the owner.
- The National Museum of the American Indian repatriated 73 associated funerary objects and objects of cultural patrimony to representatives of the Taino Tribe, Musqueam Indian Band, Kwakiutl Tribes from Cape Mudge, Quadra Island, and Alert Bay, Vancouver Island. The Department of Anthropology, NMNH, repatriated 8 skeletal remains to the Gros Ventre Nation, Fort Belknap Indian Community, Montana.
- The National Air & Space Museum deaccessioned 42 objects, including 22 instrument components used in the restoration of aircraft as part of the ongoing exhibition preparations for the Steven F. Udvar-Hazy Center.
- A total of 1,005 animals left the National Zoological Park, including the last representatives of 11 species. Perhaps the most important of these were the deaths of the single Kodiak bear at NZP and the only brown fish owl in North American collections. 104 animals were donated or sold to other zoological facilities.
- Eighty-three (11,216) percent of total Smithsonian disposals were donations to other scientific and educational non-profit organizations. Only one percent (74) was disposed by public auction.



DEACCESSIONS AND DISPOSALS

	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Smithsonian Total	283	13,499	500	6,452	220	29,311	297	10,102	1,917	8,946
Reason for Deaccession										
Deteriorated Beyond Use	6	91	7	580	24	99	136	258	1,634	1,804
Beyond Scope	2	10	3	14	1	6	8	29	1	20
Collection Refinement	81	4,041	97	3,303	22	3,672	22	830	56	3,104
Exchanged	3	25	3	108	8	308	20	1,514	135	879
Research	39	7,613	0	0	37	23,399	N/A	N/A	N/A	N/A
Accessioned in Error	12	49	30	482	7	24	5	49	19	181
Repatriation	4	81	4	19	7	90	7	54	6	1,054
Other	136	1,589	356	1,946	114	1,713	99	7,368	66	1,904
Method of Disposal										
301	13,517	501	6,456	232	29,406	302	10,623	1,944	8,662	
Transfer/Donated to:										
Smithsonian Unit	61	577	14	2,863	1	19	10	347	10	76
Government Agency	1	1	2	10	3	7	1	1	2	12
Non-Profit Organization	65	11,216	38	1,156	51	27,445	69	6,192	7	45
Returned to Donor/Owner	8	313	6	628	4	105	3	41	11	121
Repatriated	4	81	3	16	5	91	5	48	6	1,054
Destroyed	86	173	290	295	90	165	137	263	1,640	1,926
Exchanged	3	25	11	171	10	305	21	1,554	151	1,444
Public Sale	30	74	64	85	25	164	14	400	68	2,064
Other	43	1,057	73	1,232	43	1,105	42	1,777	49	1,920

The archives of the Smithsonian collect and manage documentary materials that support the Smithsonian’s research and public programming activities, and preserve the Institution’s history. Archival holdings include institutional and organizational records, personal papers, manuscripts, special collections, oral histories, works of art, photographs, sound recordings, films, and other special media materials.

ARCHIVAL COLLECTION TOTALS

	2002	2001	2000	1999	1998
Smithsonian Totals	81,769 cubic ft. 6,892,575 ft.	79,054 cubic ft. 5,885,434 ft.	68,586 cubic ft. 5,860,954 ft.	66,966 cubic ft. 5,828,000 ft.	69,215 cubic ft. 5,731,936 ft.
ARCHIVES	approx. 163.9 million items	approx. 158.5 million items	approx. 137.2 million items	approx. 133.9 million items	approx. 138.7 million items
AAA	15,104 cubic ft.	14,129 cubic ft.	13,853	13,432	13,079
AC	11,901 cubic ft.	11,327 cubic ft.	10,834	10,402	10,178
CEROS	1,329 cubic ft.	1,318 cubic ft.	1,246	1,233	1,229
CFCH	9,105 cubic ft.	9,105 cubic ft.	N/R	N/R	3,635
CWPP	N/A	N/A	N/A	N/A	N/A
EEPA	296,417 items	294,615 items	285,584	284,021	274,373
FSGA	901 cubic ft.	950 cubic ft.	1,131	1,057	1,015
HSD	88,860 items	87,434 items	85,821	84,831	83,085
HSFA	6,892,575 ft.	5,885,434 ft.	5,860,954	5,828,000	5,731,936
NASA	10,899 cubic ft.	10,826 cubic ft.	10,723	10,600	10,520
NAA	8,252 cubic ft.	7,979 cubic ft.	7,836	7,734	7,584
NMAI	N/R	N/R	300	300	300
SIA	24,279 cubic ft.	23,420 cubic ft.	22,663	22,208	21,675

Regardless of how diverse their nature, Smithsonian archival repositories provide three primary responsibilities:

- the identification and acquisition of appropriate papers or records for permanent preservation
- the arrangement and preservation of their holdings, and
- the dissemination of documentary information through finding aids, reference services, and on-line programs.

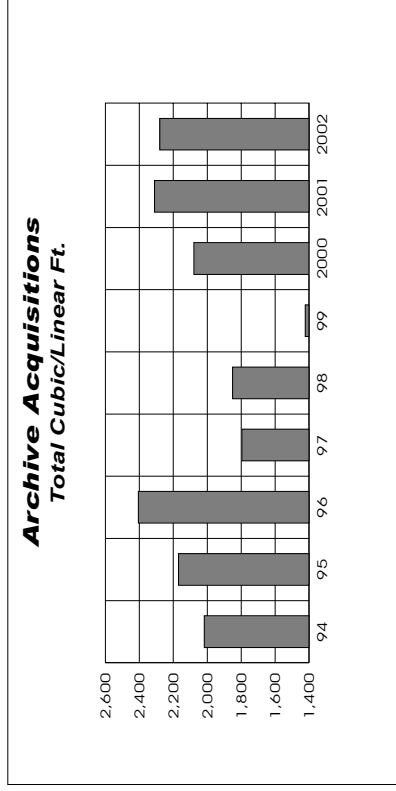
ACQUISITIONS

	2002	2001	2000	1999	1998
Smithsonian Total	2,820 cubic ft. 1,004,630 feet 3,228 items	2,311 cubic ft. 24,472 feet 10,644 items	1,850 cubic ft. 32,734 feet 2,553 items	1,423 cubic ft. 95,000 feet 11,494 items	2,078 cubic ft. 418,810 feet 8,087 items
ARCHIVES					
AAA	974 linear ft.	281 linear ft.	432	362	466
AC	574 cubic ft.	504 cubic ft.	432	224	253
CEROS	11 cubic ft.	5 cubic ft.	13	4	5
CFCH	N/R	380 cubic ft.	N/R	N/R	196
CWPP	N/A	N/A	N/A	N/A	N/A
EEPA	1,802 items	9,031 items	1,563	9,748	6,033
FSGA	37 cubic ft.	31 cubic ft.	74	42	49
HSD	1,426 items	1,613 items	990	1,746	2,054
HSFA	1,004,630 feet	24,472 feet	32,734	95,000	418,810
NASA	73 cubic ft.	103 cubic ft.	123	80	74
NAA	273 linear ft.	143 linear ft.	102	151	197
NMAI	N/R	N/R	N/R	N/R	N/R
SIA	878 cubic ft.	863 cubic ft.	674	560	838

The rise in archival acquisitions during 2002 is attributed to:

- The Archives of American Art acquisition of the Andre Emmerich Gallery records and personal papers totaling 600 linear feet.
- The acquisition of two film collections by the Human Studies Film Archives, NMNH:
 - More than 500,000 feet of original 16mm motion picture footage and 150 edited travelogues made from the 1950-1970s by independent filmmakers Hal Linker and Halla Linker-Aguirre.
 - Over 80,000 feet of edited amateur films and unedited footage of 16mm motion picture film and photographic slides of the late, accomplished filmmaker James W. Bruce.

See Acquisition Highlights for a listing of newly acquired materials.



- During FY 2002, archival collections were enhanced by the addition of 2,280 cubic feet, 1,004,630 feet of film and 3,228 items.
- Fifty-five percent of total acquisition transactions were donations, forty-two percent were internal Smithsonian transfers, and three percent were by “other” methods, while purchases and non-Smithsonian transfers totaled less than one percent.

Proper arrangement of collection material is essential to insure appropriate preservation and to facilitate the retrieval of information from the collection. To provide physical control and greater intellectual accessibility, archival holdings are most often arranged in hierarchical groups. Documentary materials are processed and arranged according to the basic archival principles of provenance and original order. Documentation occurs at many levels as circumstances warrant and resources permit: depository, record group, collection, series, file unit, and item or document. For some collections, such as photographic collections, arrangement by source and original order has limited importance. Available resources, collection content, research value, physical condition, and anticipated use are the primary factors affecting processing and arrangement.

- During FY 2002, 654 cubic feet, 1,773 items, and 3,700 feet of film were processed; reflecting both newly acquired and previously held materials.

“Libraries and librarians are essential to any research project.”¹ Through its 22 branch libraries and electronic resources available online, the Smithsonian Institution Libraries (SIL) supports the research, curatorial, and exhibition activities of the Smithsonian by providing and organizing research materials and pertinent information sources. The Libraries, with collections of nearly 1.5 million volumes, acquires, organizes, and delivers scholarly, scientific, and educational resources in all forms, including digital and electronic, to Smithsonian and affiliated staff and to libraries, researchers, and the general public worldwide.

LIBRARY COLLECTION TOTALS

	2002 Volumes	2001 Volumes	2000 Volumes	1999 Volumes	1998 Volumes
Smithsonian Total	1,491,818	1,483,183	1,497,915	1,483,450	1,469,266
LIBRARIES					
FGA / AMSG			70,737	68,374	65,716
HMSG			55,354	53,504	52,351
SAAM / NPG			146,730	141,471	135,351
SIL	1,491,818	1,483,183	1,225,094	1,220,101	1,215,848

In FY 2001, the three art libraries at the Hirshhorn, American Art and Portrait Gallery, and the Freer and Sackler Galleries were integrated into the Smithsonian Institution Libraries (SIL) system. Subsequent to this integration adjustments were made in the collection totals of the three art libraries to reflect greater accuracy in counting methodologies. These adjustments account for the discrepancy in the overall collection total between 2001 and 2000.

¹ George Gurney in his introduction to *George Catlin and His Indian Gallery* (New York, 2002).

VOLUMES ADDED

	2002 Volumes	2001 Volumes	2000 Volumes	1999 Volumes	1998 Volumes
Smithsonian Total	25,451	19,921	17,322	21,431	26,180
LIBRARIES					
FGA / AMSG			2,363	2,658	2,599
HMSG			1,941	2,476	2,383
SAAM / NPG			5,259	6,121	8,300
SIL	25,451	19,921	7,759	10,176	12,898

During FY 2002, the Smithsonian’s total library holdings were enhanced with the addition of 25,451 volumes. See Acquisition Highlights for a list of selected Library acquisitions.

Library materials are retained as long as they continue to serve the objectives and purposes of the Smithsonian and collecting unit, and can be properly and adequately stored, maintained, preserved, and used. When library materials become irreplaceably damaged, superseded by newer items, duplicated, or divergent from the collecting scope of the unit, they may be permanently withdrawn from the collection. The primary method of disposal is through gift, exchange, or sale, to another non-profit institution for continued use in research, exhibitions, or educational activities.

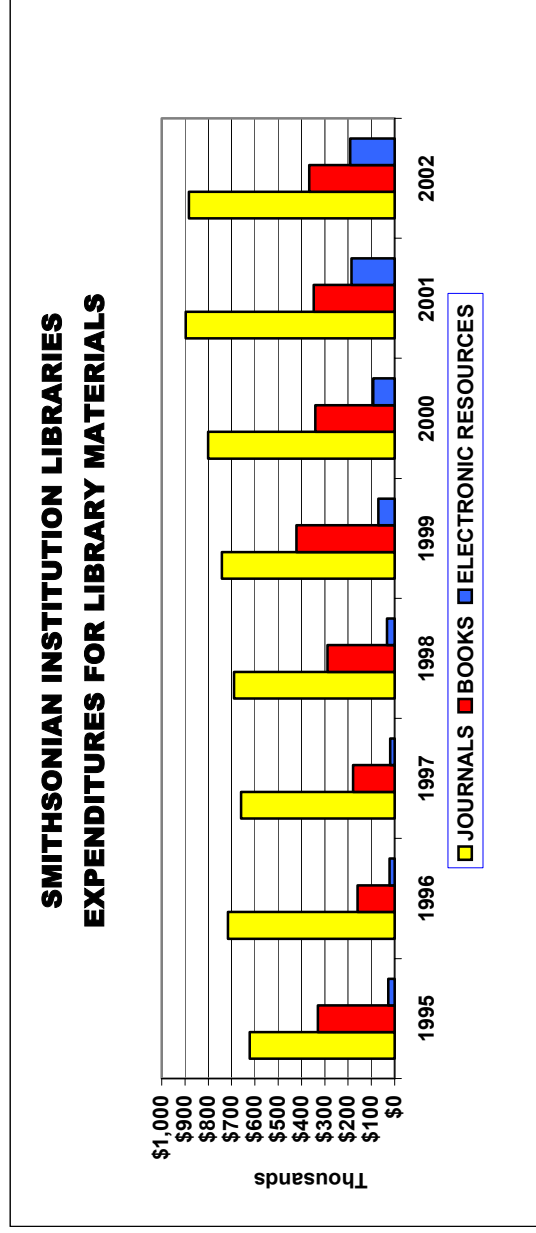
For this fiscal year, libraries of the Smithsonian withdrew a total of 4,764 volumes as a result of collection refinement. Materials were transferred to the Library of Congress and other educational institutions. There were no items withdrawn or deaccessioned from SIL Special Collections.

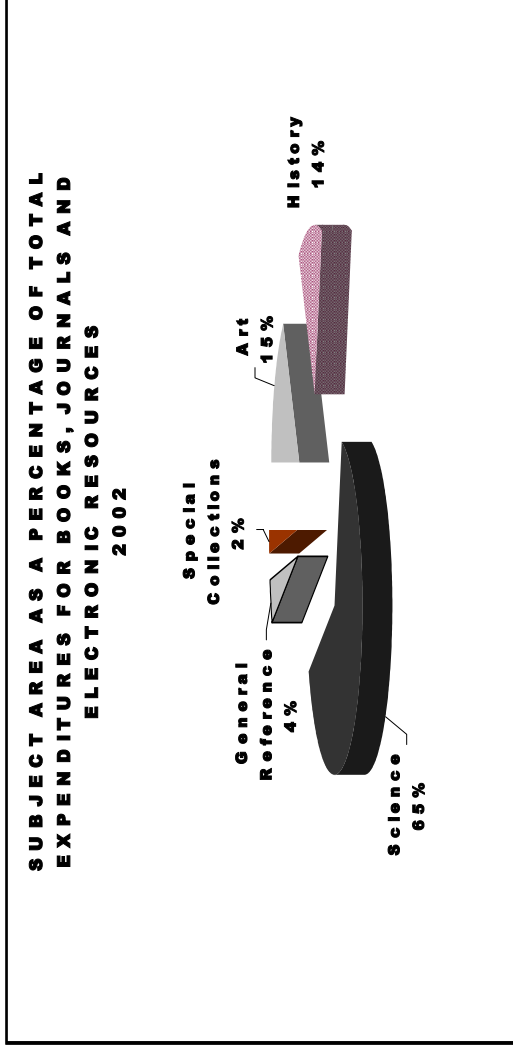
CURRENT JOURNALS

	2002	2001	2000	1999	1998
Total Journals	7,028	6,252	7,437	7,883	7,676
Purchased	3,610	3,113	3,955	4,155	3,903
Not Purchased	3,418	3,139	3,482	3,728	3,773

SIL relies on exchanges with other libraries and societies for more than half of its serial subscriptions and many of the books added each year. In FY 2002, SIL had 4,638 exchange partners in 50 states and 145 countries. During 2002, SIL experienced a 25% increase in gift volumes.

EXPENDITURES





As in past years, more than 65% of SIL acquisitions expenditures were for print (books and journals) and electronic materials in the sciences.

DIGITIZATION

An important component of the Secretary’s strategic agenda is achieving management excellence by modernizing management systems at the Smithsonian and bringing each of them to a level of quality and sophistication appropriate to a contemporary organization of its size and complexity. The Institution plans to:

- *leverage information technology to help modernize, financial, human resources, and collections management*
- *enhance public outreach through the World Wide Web*
- *add new capability by migrating automated information systems to a standards-based information technology infrastructure.*

Digitization means capturing both text and image information in electronic form, organizing it in a database, and making it accessible to Smithsonian staff and outside scholars for research purposes, to Smithsonian staff to help manage collections, and to the public for educational purposes.

Smithsonian Information Technology Plan, FY 2002 - 2007

The Smithsonian manages its collections – museum, archive and library holdings – through 9.2 million electronic collection records. A record may represent more than one object or specimen, as in the case with natural history and archaeological collections. A digital image exists for more than 1.2 million collection items that have electronic records. During FY 2002, Smithsonian collections information systems were enhanced by the addition of nearly 420,000 electronic records and 242,000 images.

Collections Information Systems (CIS)

Number of object / specimen records available in electronic form in unit’s CIS’s.

	American Museums	International Art Museums	Science	Central Units	Total
Total electronic Records	3,139,296	309,990	5,635,489	182,376	9,267,151
Total electronic Images	717,689	65,833	499,930	33,259	1,316,711
Number of object / specimens represented by Total electronic Records	6,388,103	309,972	22,538,013	43,184	29,279,272
Total electronic Images	631,246	65,713	499,930	21,883	1,218,772

Collections Information Systems (CIS)

	American Museums	International Art Museums	Science	Central Units	Total
Total number of records / images added to systems during FY 2002					
Total electronic records created / digitized and added during FY 02	244,568	16,264	152,469	6,285	419,586
Total electronic images digitized and added during FY 02	148,742	19,366	70,973	2,864	241,945
Total number of electronic records converted from legacy systems during FY 02					973,163

- 9.2 million electronic collection records – 32% reside in unit primary collections information systems, 14% in SIRIS, and 54% in legacy systems or other databases.
- 1.2 million collection items with digital images – 54% are maintained in unit primary collections information systems, 5% in SIRIS, and 41% in legacy systems or other databases.

Public Impact



To carry out its mission for “the increase and diffusion of knowledge,” the Smithsonian promotes access to its collections and associated information through research opportunities, traditional and electronic exhibitions, educational programs and publications, reference systems, loan and exchange of collections, and electronic information services.

Smithsonian Directive 600: Collections Management

MUSEUM LOANS

Lending and borrowing collections for exhibition, research, and study is an integral part of the Smithsonian's mission by making museum collections accessible to the widest possible audience.

- Active incoming and outgoing loans totaled 19,075 transactions and 15,718,817 items.
- A total of 3,274 incoming and outgoing loan transactions, involving 238,239 objects and specimens, were completed and returned.

Incoming and outgoing loan statistics presented below reflect loans initiated during each respective year.

INCOMING LOANS

- During 2002, the Smithsonian initiated over 1,401 new incoming loan transactions involving 10,462,905 objects and specimens.

- Ninety-seven percent of incoming loans initiated were for study purposes, two percent for identification, and one percent for accession consideration. Exhibition and other purposes equaled less than one percent.

Distribution of incoming loans by community reflects the following:

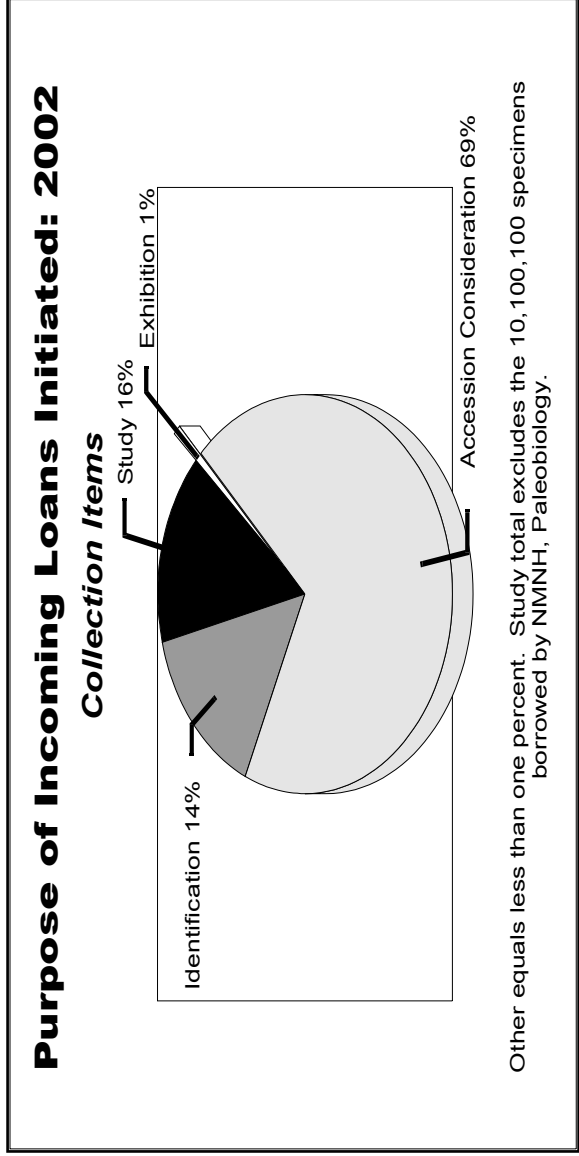
- The Art Community borrowed 3,012 objects through 505 transactions. 63% of that total was for exhibition, 31% for accession consideration, 1% for study, and 5% for other purposes.
- The History Community reported 1,645 objects through 68 transactions. 99% were for exhibition, 1% for study, and accession consideration equaled less than 1%.
- Incoming loans for the Science Community totaled 10,458,248 objects and specimens through 828 transactions. Of that total, 97% (10,102,576 specimens) were in the Department of Paleobiology, NMNH, including loans for scientific study of 10,000,100 diatoms and microfossils from Florida State University and 100,000 fossil radiolaria from the National Science Museum, Tokyo, Japan. Excluding this total, 70% were for accession consideration, 15% for identification, and 15% for study. Exhibition and other purposes combined was less than 1%.

INCOMING LOANS

	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Smithsonian Total	1,401	10,462,905	1,609	136,660	2,065	332,408	2,046	111,209	2,051	91,170
ART	505	3,012	356	2,499	505	3,665	753	6,632	875	6,840
AMSG	43	359	50	548	64	796	78	1,188	90	1,103
C-HNDM	76	550	50	711	143	1,649	73	2,860	143	2,077
FGA	25	63	26	87	30	104	38	124	64	325
HMSG	66	506	41	213	66	333	86	156	17	258
NMAFA	50	347	34	303	33	231	13	273	15	137
NPG	99	350	46	140	39	60	186	797	206	1,069
SAAM	146	837	109	497	130	492	279	1,234	340	1,871
CULTURAL HISTORY	68	1,645	86	597	310	1,169	152	1,265	121	1,618
AM&CAAHC	16	362	11	165	226	490	64	286	49	459
NASM	4	15	13	32	9	24	1	12	14	17
NMAH	31	166	31	68	44	461	48	296	35	914
NMAI	2	811	6	138	3	49	3	567	N/R	N/R
NPM	10	285	8	77	7	64	15	33	21	224
HSD (Artifacts)	0	0	0	0	0	0	18	44	0	0
OAHP	5	6	17	117	21	81	3	27	2	4
NATURAL SCIENCE	828	10,458,248	1,167	133,564	1,250	327,574	1,141	103,312	1,055	82,712
NMNH	826	10,458,202	1,165	133,473	1,247	327,541	1,131	103,221	1,037	82,651
NZP	2	46	2	91	3	33	10	91	18	61
HSD (Living Plants)	0	0	0	0	0	0	0	0	0	0

INCOMING LOANS BY PURPOSE

	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Total Loans Initiated	1,401	10,462,905	1,609	136,660	2,065	332,408	2,046	111,209	2,051	91,170
Exhibition	377	3,523	177	1,953	552	3,334	554	4,421	512	5,031
Study	573	10,156,388	833	90,170	898	236,262	831	84,588	692	64,900
Identification	250	52,492	317	23,098	316	81,518	300	18,544	318	10,177
Accession Consideration	190	250,307	265	19,908	273	9,930	341	3,392	409	10,621
Other Purposes	11	195	17	1,531	26	1,364	20	264	120	441



OUTGOING LOANS

- The Smithsonian initiated 1,633 new outgoing loan transactions involving 131,502 objects and specimens to nearly every state in the United States and to 48 countries around the globe. This marks the third lowest reported total for outgoing loans since collection statistics were first gathered in this format. Seventy-three percent of new outgoing loans were for study purposes, fifteen percent for identification, seven percent for other purposes, and five percent for exhibition.

Distribution of outgoing loans by community reflects the following:

- The Art Community lent 2,573 objects through 182 transactions. Of that total, 98% were for exhibition purposes and 2% were for other purposes including consignment and conservation. Seventy-five percent of the objects lent for exhibition were reported by SAAM, followed by nine percent at CHNDM.
- Outgoing loans for the History Community totaled 3,410 objects through 107 transactions. 96% were for exhibition purposes and 4% were for other purposes.
- The Natural Science Community totaled 125,519 specimens through 1,344 transactions. NMNH dominated the outgoing loan total for the Institution with 1,342 transactions containing 125,515 objects and specimens. Of that total, 77% were for study, 16% for identification, and 7% were for other purposes.

- The Natural Science community dominated the outgoing loan total with an overwhelming ninety-five percent (or 125,519 objects and specimens). Ninety percent of this number is attributed to the Department of Systematic Biology, NMNH which loaned 93,290 specimens for study and 20,089 specimens for identification.

During 2002, twenty-six loan transactions were initiated with Smithsonian Affiliates involving 548 objects and specimens.

Smithsonian Affiliation Loans

	Trans	Items	% Overall
NMAH	10	273	49%
SAAM	2	136	25%
NMNH	6	85	16%
NPM	3	20	4%
NPG	1	17	3%
HMSG	2	10	2%
AMSG	1	6	1%
AM&CAAHC	1	1	< 1%
TOTAL	26	548	100%

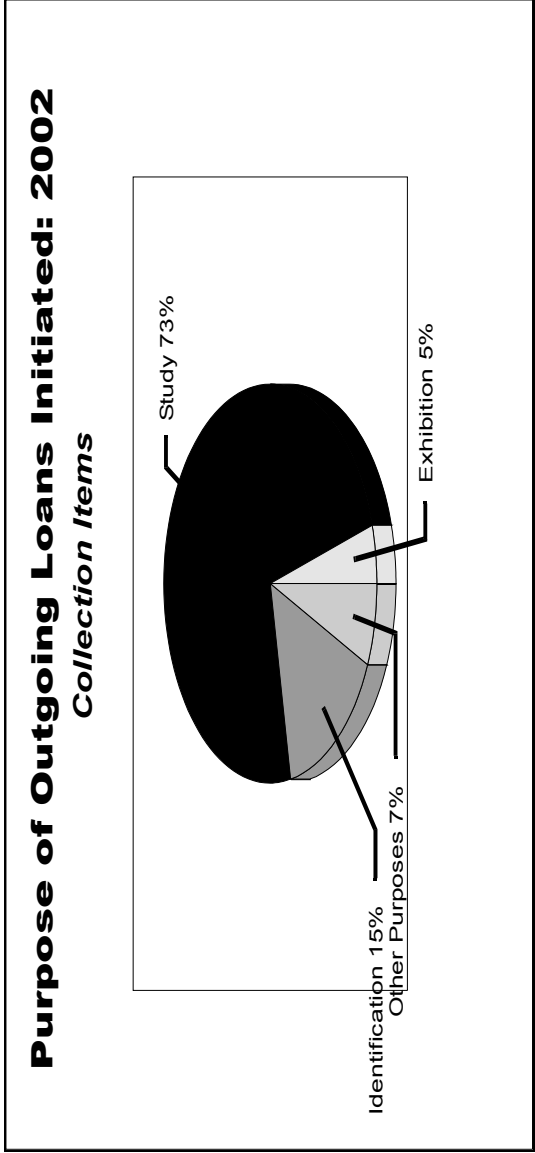
Currently there are 130 Smithsonian Affiliates in 38 states, the District of Columbia, Panama, and Puerto Rico.

OUTGOING LOANS

	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Smithsonian Total	1,633	131,502	1,720	271,833	1,999	188,081	2,037	1,495,048	2,045	250,306
ART	182	2,573	208	2,382	140	1,750	186	1,685	195	1,670
AMSG	6	47	3	5	6	12	3	9	7	33
C-HNDM	28	232	11	47	11	35	13	61	8	28
FGA	0	0	0	0	1	1	3	21	3	3
HMSG	69	153	74	159	44	89	55	143	61	130
NMAFA	6	28	5	19	4	6	6	10	7	20
NPG	13	181	14	72	28	497	27	378	22	39
SAAM	60	1,932	101	2,080	46	1,110	79	1,063	87	1,417
CULTURAL HISTORY	107	3,410	103	4,414	129	1,159	143	5,506	103	9,565
AM&CAAHC	2	2	1	2	1	3	0	0	0	0
NASM	13	58	15	41	22	53	28	256	20	54
NMAH	76	1,081	66	846	94	1,036	83	606	73	5,551
NMAI	10	237	10	251	7	45	23	270	N/R	N/R
NPM	4	41	7	57	3	18	2	12	4	8
HSD (Artifacts)	2	1,991	3	3,216	1	1	4	4,357	5	3,948
OAHP	0	0	1	1	1	3	3	5	1	4
NATURAL SCIENCE	1,344	125,519	1,409	265,037	1,730	185,172	1,708	1,487,857	1,747	239,071
NMNH	1,342	125,515	1,404	265,032	1,728	185,169	1,705	1,487,854	1,743	239,064
NZP	2	4	5	5	2	3	3	3	4	7
HSD (Living Plants)	0	0	0	0	0	0	0	0	0	0

OUTGOING LOANS BY PURPOSE

	2002		2001		2000		1999		1998	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Total Loans Initiated	1,633	131,502	1,720	271,833	1,999	188,081	2,037	1,495,048	2,045	250,306
Exhibition	315	6,381	324	7,835	275	2,994	350	7,498	301	6,514
Study	1,102	96,272	1,227	257,499	1,512	164,744	1,560	1,480,126	1,613	121,634
Identification	38	20,114	34	4,157	42	17,010	45	1,369	61	115,247
Other Purposes	178	8,735	135	2,342	170	3,333	82	6,055	70	6,911



2002 Collection Statistics

Public Impact

**Geographic Distribution:
Domestic**

Incoming Loans 2002 Outgoing Loans Incoming Loans 2001 Outgoing Loans

	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Alabama	4	54	7	307	13	574	14	526
Alaska	5	10	3	138	10	434	6	385
Arizona	21	297	23	8,925	11	185	20	412
Arkansas	8	21	9	1,008	2	2	5	81
California	125	7,693	108	8,723	137	8,379	149	48,049
Colorado	16	1,682	10	1,403	8	618	18	727
Connecticut	17	592	14	2,443	15	3,124	12	555
Delaware	12	42	9	336	3	1,290	0	0
District of Columbia	75	642	132	4,969	76	2,524	107	1,075
Florida	38	10,001,777	60	2,298	68	6,028	67	3,916
Georgia	18	122	10	935	10	61	14	291
Guam	0	2	0	0	0	15	0	0
Hawaii	21	597	18	311	23	775	13	12,400
Idaho	5	365	2	953	4	108	1	56
Illinois	47	1,215	42	1,744	37	786	40	1,520
Indiana	5	33	12	189	3	3	5	92
Iowa	1	1	8	593	5	27	12	1,220
Kansas	8	361	17	289	15	1,419	35	2,043
Kentucky	8	1,833	6	245	9	692	8	119
Louisiana	9	536	27	7,521	6	219	15	1,884
Maine	7	9	7	2,562	5	8	7	332
Maryland	31	431	36	1,613	50	1,111	29	1,264
Massachusetts	49	477	25	1,789	67	1,625	24	2,763
Michigan	9	120	21	231	16	226	33	1,148
Minnesota	4	35	15	1,542	12	142	13	1,093
Mississippi	8	894	5	206	9	2,089	7	403
Missouri	32	625	27	5,012	27	842	34	2,729
Montana	0	0	8	948	5	8,542	3	65
Nebraska	0	0	2	24	2	13	1	1
Nevada	0	0	3	4	2	2	0	0
New Hampshire	5	23	0	0	2	6	5	34

2002 Collection Statistics

New Jersey	20	126
New Mexico	5	44
New York	205	1,900
North Carolina	16	354
North Dakota	2	36
Ohio	18	182
Oklahoma	6	521
Oregon	7	444
Pennsylvania	37	4,197
Puerto Rico	5	1,180
Rhode Island	2	4
South Carolina	13	153
South Dakota	4	144
Tennessee	16	8,013
Texas	32	3,845
Utah	4	703
Vermont	1	1
Virginia	33	533
Virgin Islands	0	0
Washington	17	42,024
West Virginia	3	3
Wisconsin	1	1
Wyoming	3	86
TOTAL	1,038	10,084,983

	4	17
	19	400
	112	2,881
	35	2,473
	4	645
	21	571
	3	79
	10	201
	34	736
	2	7
	5	92
	7	440
	1	29
	17	910
	48	1,074
	8	436
	1	54
	29	653
	0	0
	21	572
	5	1,610
	9	944
	1	5
	1,062	72,090

	10	11
	22	405
	167	4,918
	15	489
	2	4
	23	234
	3	106
	6	240
	52	2,325
	7	1,982
	2	43
	10	209
	11	776
	11	3,438
	4	1,769
	6	1,385
	2	2
	49	2,144
	0	0
	19	941
	11	1,522
	9	1,096
	3	3
	1,096	65,911

	11	1,058
	29	257
	111	4,668
	23	1,804
	3	301
	48	1,312
	5	83
	18	458
	33	941
	1	31
	4	43
	13	2,144
	7	184
	10	4,052
	5	2,177
	14	1,705
	1	54
	31	2,405
	0	0
	25	101,173
	0	0
	14	1,797
	3	95
	1,106	211,925

Public Impact

**Geographic Distribution:
International**

	2002 Incoming Loans		2002 Outgoing Loans		2001 Incoming Loans		2001 Outgoing Loans	
	Trans	Items	Trans	Items	Trans	Items	Trans	Items
Argentina	2	13	10	1,026	9	201	22	1,098
Australia	24	958	16	229	39	2,113	41	2,467
Austria	5	65	10	113	8	300	8	671
Belarus	0	0	1	172	0	0	1	478
Belgium	7	41	21	646	6	276	10	4,107
Bolivia	2	70	0	0	1	25	0	0
Brazil	16	339	10	353	35	3,830	73	5,969
Canada	21	1,860	65	11,037	59	6,916	96	16,884
Chile	5	141	2	88	6	42	3	205
China, (People's Republic of)	1	125	1	86	2	22	3	28
Colombia	5	929	12	698	6	610	6	569
Costa Rica	11	6,839	1	36	11	7,770	2	15
Cuba	1	4	6	602	0	0	0	0
Czechoslovakia	0	0	12	747	1	1,601	5	730
Denmark	4	34	1	315	26	2,508	9	129
Dominican Republic	6	2,760	0	0	2	16	0	0
Ecuador	1	249,136	0	0	1	1	4	29
Finland	5	405	30	662	1	10	3	10
France	16	281	11	28	23	894	34	335
Germany	27	690	9	21	36	15,989	64	4,017
Greece	1	2	0	0	1	200	1	1
Honduras	1	3	0	0	2	174	0	0
Hungary	0	0	4	315	1	4	4	14
Indonesia	1	876	0	0	0	0	0	0
Iran	1	137	0	0	1	79	0	0
Ireland	2	5	0	0	2	16	2	2
Israel	1	512	4	122	7	89	9	68
Italy	10	167	14	348	6	46	13	1,927
Jamaica	1	15	0	0	1	9	1	21
Japan	8	100,020	43	602	20	186	50	2,370

2002 Collection Statistics

Mexico	9	892
Netherlands, The	19	522
New Zealand	8	3,135
Nicaragua	0	0
Norway	1	2
Panama	0	0
Peru	2	12
Poland	0	0
Portugal	3	41
Russia	3	46
South Africa	10	66
Spain	8	31
Sweden	5	312
Switzerland	9	2,294
Turkey	1	217
United Kingdom	48	642
Venezuela	1	278
Zimbabwe	0	0
Other	21	2,802
TOTAL	333	377,719

	19	2,016
	15	457
	8	339
	0	0
	5	29
	3	49
	1	4
	16	1,853
	0	0
	11	1,437
	7	988
	16	161
	15	1,097
	13	1,055
	2	2
	62	22,631
	2	341
	0	0
	89	8,308
	567	59,013

	9	341
	40	1,770
	9	1,039
	3	85
	7	105
	3	694
	7	138,456
	1	28
	0	0
	4	658
	7	293
	9	127
	13	1,003
	9	487
	2	206
	90	3,596
	19	627
	11	178
	13	5,764
	569	199,384

Public Impact

	18	1,940
	21	7,550
	17	1,344
	0	0
	2	69
	6	382
	1	192
	15	3,687
	0	0
	19	1,945
	10	125
	20	940
	9	694
	21	1,559
	1	31
	63	2,953
	6	559
	7	170
	23	3,009
	726	69,304

COLLECTIONS-BASED RESEARCH

For Example

Research has been an essential function of the Smithsonian since its conception. At the National Museum of American History, for example, the more than 3 million artifacts serve as an intellectual base for scholarship, exhibition, and education. The collections contain some of America's most cherished national icons to ordinary objects from everyday life. In preserving and documenting the nation's material culture, NMAH staff are interested in how objects are made, how they are used, how they express human needs and values, and how they influence society and the lives of individuals. Although the scope of the museum is broad and its activities interdisciplinary, its special mission is to contribute to cultural, political, economic, and technological history by research that derives its evidence principally from material artifacts. For example:

- The differences between objects used in one country and those used elsewhere for the same purpose can sometimes indicate important cultural differences. Asking why there are many more compasses in American collections than there are in English museums led Deborah Warner, Curator in NMAH's Division of Science, Medicine, and Society, to investigate the extent to which American surveyors relied on this instrument as well as their growing appreciation for the importance of magnetic variation. This led in turn to an understanding of the origin of the vernier compass, the first important surveying instrument invented in America. Attention to surveying practice also pointed to the fact that Americans regarded land as property that could be bought and sold, while most land in England was tied to inheritance.
- To document the history of the modern electronic wristwatch, Carlene Stephens, Curator in NMAH's Division of the History of Technology, and Maggie Dennis of the Lemelson Center for Invention and Innovation, have found it necessary to rely on multiple kinds of evidence, including oral histories and the watches

themselves. Traditional written evidence about the subject is scarce. Their investigation of the subject began nearly twenty years ago, when the first objects were acquired for the museum's now-extensive collection of electronic wristwatches. The investigation continues, as they write a book about their history, with generous help from both the Lemelson Center and the Smithsonian Scholarly Studies program. While there has been some debate within the museum regarding distinctions between conducting research and evaluating collections for acquisition, this work demonstrates that research, broadly defined, and discriminative collecting go hand in hand.

- Recent research on violins in the collections of NMAH's Division of Cultural History is a pan-institutional collaboration that draws on interdisciplinary resources of three Smithsonian units: instruments and curatorial expertise in NMAH, computer tomography technology and physical analysis expertise in NMNH, and material analysis expertise in the Smithsonian Center for Material Research and Education (SCMRE). Since December 2000, Mel Wachowiak (SCMRE) has been collaborating with Gary Sturm (NMAH) and Bruno Frohlich (NMNH) to analyze the inlaid decorations on the Smithsonian's Stradivari violins -- work never before explored in the 300-year history of the instruments. Varnish research, used to establish the provenance of a violin, combines science-based museum investigation with intuitive practices of violin restorers steeped in traditional knowledge. Preliminary results suggested startling new information and pointed to gathering more data that was never before possible to measure. This in turn has led to CT scans of a larger group of violins. The project has drawn additional participation by the Library of Congress, the National Gallery of Art, the American Federation of Violin and Bow Makers, and private donors. Applying CT scans to material studies of these objects has generated innovative, non-destructive approaches to complex preservation and analytical issues surrounding museum collections.

ARCHIVAL RESEARCH AND REFERENCE

Archival repositories continue to make collection holdings readily available to researchers and the general public through research and reference service, finding aids, duplication, microfilm, reproduction, audio recordings, and loans. Reference is the process of making information about or from the holdings of an archival repository available to its users.

During FY 2002, Smithsonian archival units responded to 37,937 reference requests and research visits. Of that total, fifty-four percent of the requests were written correspondence (letters and E-mail), twenty-three percent were by phone, nineteen percent of the requests were daily visits, and four percent were through interlibrary loan requests.

REFERENCE TRANSACTIONS

	2002	2001	2000	1999	1998
Smithsonian Total	37,937	36,504	42,531	49,537	49,958
ARCHIVES					
AAA	8,926	10,346	12,991	10,725	11,705
AC	7,143	4,323	6,180	5,516	6,250
CEROS	1,959	1,467	1,227	1,186	1,011
CFCH	N/R	1,762	N/R	N/R	13,115
CWPP	N/A	N/R	84	N/R	N/R
EEPA	678	762	761	568	1,100
FSGA	475	813	763	696	1,151
HSD	733	659	556	824	54
HSFA	2,239	2,214	2,174	1,481	991
NASA	7,729	7,999	7,588	8,792	8,302
NAA	2,146	1,677	6,749	15,803	3,298
NMAI	N/R	N/R	N/R	N/R	N/R
SIA	5,909	4,482	3,458	3,946	2,981

The range and diversity of research transactions are suggested but hardly encompassed by the following examples:

Archives of American Art

Listed below are publications released during FY 2002 where significant research was done in AAA holdings.

José Clemente Orozco in the United States, 1927-1934 by Dawn Ades [et al.]; Renato González Mello and Dianne Miliotes, editors (New York: Hood Museum of Art, Dartmouth College, in association with W. W. Norton & Co., 2002).

Edward Willis Redfield: An American Impressionist, 1869-1965 by J.M.W. Fletcher (Lahaska, PA: JMWF Publications, 2002).

The Tiger's Eye: The Art of a Magazine by Pamela Franks (New Haven and London: Yale University Art Gallery; distributed by Yale University Press, 2002).

Baroness Elsa: Gender, Dada, and Everyday Modernity by Irene Gammel (Cambridge, MA: MIT Press, 2002).

Art Lover: A Biography of Peggy Guggenheim by Anton Gill (New York: Harper Collins, 2002).

Artists on the Left: American Artists and the Communist Movement, 1926-1956 by Andrew Hemingway (New Haven and London: Yale University Press, 2002).

Anne Ryan: Collages, edited by Sophie Lévy (Giverny: Musée d'art Américain, 2001).

The Paintings of Joan Mitchell by Jane Livingston, with essays by Linda Nochlin, Yvette Y. Lee, and Jane Livingston (New York and Berkeley: Whitney Museum of American Art in association with University of California Press, 2002).

Alfonso Ossorio: Horror Vacui: Filling the Void, A Fifty Year Survey (New York: Michael Rosenfeld Gallery, 2002).

Nathan Oliveira by Peter Selz, with an introduction by Susan Landauer and an essay by Joann Moser (Berkeley and San José California: University of California Press and San José Museum of Art, 2002).

From Paris to Provincetown: Blanche Lazzell and the Color Woodcut by Barbara Stern Shapiro (Boston: MFA Publications, a division of the Museum of Fine Arts, 2002).

The Photography of Charles Sheeler: American Modernist by Theodore E. Stebbins, Jr. and Gilles Mora (Boston, New York, and London: Bulfinch Press, 2002).

The Poetry Within: The Life and Work of William Thon (Portland, ME: Portland Museum of Art, 2002).

Archives Center, NMAH

SI staff members did extensive work for the NPG/NMAH exhibition, *Portraits in Jazz*. Researchers from the design firm Landor Associates gathered materials from the AC's Landor Collection for a company history. Washington City Museum exhibition researchers found information on D.C. sports history. Other research projects focused on African advertising pioneer Carolyn Jones, the Underground Railroad, Duke Ellington's composition style, the history of Brooklyn, the wedding industry, Arab American history, World's Fairs, and business woman Dorothy Shaver.

Documentary films included: "Dominion of the Air," Canadian Broadcasting Company; "The New Face of Harlem," Voice of America TV.

Publications where significant research was conducted with AC collections:

William Boddy, *New Media and Popular Imagination* (Oxford University)
Katharine Bryant, et al, *Images of America: Prince George's County Maryland* (Arcadia)
Virginia Drachman, *Enterprising Women: 250 Years of American Business* (University of North Carolina Press)
Patricia McDonnell, *On the Edge of Your Seat: Popular Theater and Film in Early Twentieth Century American Art* (Yale University Press)
Manning Marable, et al, *Freedom: A Photographic History of the African American Struggle* (Phaidon)

Center for Electronic Research and Outreach Services, NPG

NPG curator, Ellen Miles, researched the portraits of Gilbert Stuart for an upcoming exhibition at the Metropolitan Museum of Art to be accompanied by an exhibition catalogue.

Richard Ormond, former director of the British Maritime Museum and current Kress Professor in residence at the National Gallery of Art / Center for Advanced Study in the Visual Arts, researched the portraits of John Singer Sargent, Anders Zorn, and Joaquin Sorolla y Bastida for an exhibition and for his series of books on Sargent.

Researchers used the resources of the Catalog of American Portraits for numerous publications, including a series on U.S. history and government: impeachment, for students grades 6-8; the *Encyclopedia of New Jersey*, Rutgers University Press; an article in the *University of Glasgow Alumni Magazine*; a book for Phoenix Publications, AZ; an education resource publication for the

National Archives; a University of Chicago Press publication on William James; a book on the English charlatan, John Calvert; a Kent State University Press biography of Winfield Scott; a book on the Louisiana Purchase by Washington University professor Peter Kastor; a Sutton Publishing Co., UK, book on Oliver Wendell Holmes; a book by Thomas Tucker on British Marines in the American Revolution; an article in the *Journal of the American Medical Association*; an article in the *American Art Journal*; the book *Farewell, Godspeed*, published by Harmony Books; an entry in the *New Dictionary of National Biography*, published by Oxford University Press; a booklet on aviation for the Boeing Co.; a biography of Marilyn Monroe by Stacy Eubank; a book by Philip Lundeberg, Curator Emeritus, NMAH; a publication for the National Archives; a book on the First Ladies published by Barnes & Noble; and a biography of Alexander Slidell Mackenzie by Kenneth Fulton. Researchers also used CAP resources for

exhibitions on West Point Academy; the Louisiana Purchase; the painter, Guy Pene du Bois; exhibitions at the British Museum and the Museum of Northern Arizona; a documentary on American Literature by the Oregon Public Broadcasting Service; a MacTV,

Scotland, production; a video series on the history of diplomacy by the U.S. Department of State; and several projects for university Museums Studies programs.

Eliot Elisofon Photographic Archives, NMAfA

Christaud M. Geary, Curator of EEPA, researched images from Central Africa in the archives, the Warren M. Robbins Library, and repositories and private collections in Belgium in preparation for the exhibition *In and Out of Focus: Images from Central Africa, 1885-1960*. The exhibition was on display at NMAFA from December 6, 2002 through March 16, 2003. The accompanying

catalog, with the same title, was published by Philip Wilson, London.

Interns and volunteers conducted research on the Pere de Soubert Collections and Egyptian postcards in preparation for cataloguing.

Freer Gallery of Art and Arthur M. Sackler Gallery Archives

During his senior Smithsonian fellowship in 2002, Dr. Finbar Flood researched the Myron Bement Smith Collection and the Herzfeld Collection as he completed the manuscript for his second book *Translated Stones: Rewriting Indo-Muslim Monuments*. The publication will examine the relationship between early Indo-Muslim monuments of the late 12th century with their Iranian predecessors. Although this relationship has been frequently assumed, Dr. Flood's publication will be the first to consider it in detail and contribute to our understanding of this formative period in the history of Islamic architecture.

Jane Tschang, a curatorial research assistant, consulted the papers of Dr. Paul Singer for information on individual objects of Chinese art from the Singer Collection now housed at the Arthur M. Sackler Gallery. The data, such as sources and prices, was entered into a database that is assisting curators select and catalogue objects.

Dr. Charles McKhann of Whitman College researched an illustrated 'Miao album' that was originally translated by Dr. David Deal, History Department, Whitman College. Dr. Deal died last year and there are plans to publish the album with David Deal and Laura Hostetler as co-authors, by the University of Washington Press.

Carolyn Damstra and Geoffrey G. Drutchas examined photographs and documents from the Charles Lang Freer Papers for articles on the Freer Gallery in *Michigan History*, March/April, 2002.

Ali Behdad consulted the Sevruguin photographs for his research on Iranian court life between 1880 and 1920. His findings were published in the article "The Powerful Art of Qajar Photography: Orientalism and (Self)-Orientalizing in Nineteenth Century Iran" in *Iranian Studies*, Vol. 34, Numbers 1-4, 2001.

Dr. Ann C. Gunter, associate curator of Ancient Near Eastern art undertook extensive research in the Charles Lang Freer Papers for her forthcoming book *A Collector's Journey: Charles Lang Freer and Egypt*

Merry Foresta, Senior Curator for Photography, International Art Museums Division, reviewed Archives photographic holdings in preparation for her forthcoming catalog and exhibition of photographs at the Smithsonian Institution.

Archives of American Gardens, HSD

Research was undertaken by the curator of the current SITES exhibit, *Feast Your Eyes: The Unexpected Beauty of Vegetable Gardens*, which opened a five-year run in September 2002. The curator reviewed documentation for approximately 50 gardens included in the AAG and chose 70 images to use in the exhibit and in a related book that was published by University of California Press. Staff from SITES and the Office of Exhibits Central (OEC) were also involved in exhibition and book planning, reviewing pertinent AAG holdings.

Other research included:

A series of articles written by members of the Garden Club of America for its *Bulletin* and distributed to approximately 17,000 members.

AAG images included in *Grounds for Pleasure: Four Centuries of the American Garden* by Denise Otis.

Two books on the history of Shelter Island, New York and on country estates in Lake Forest, Illinois.

A thesis on the historic origins of the seed industry by an NMAH Fellow.

Scholarly research by graduate students on topics ranging from social history to landscape architecture.

An inventory of historic landscapes in Maryland by the Maryland Historical Trust.

Articles in *Grandflora* magazine, *Wilmington News Journal* about AAG, and *Pittsburgh Post Gazette* about the J. Horace McFarland Collection.

HSD images were used for a number of SI outreach initiatives including:

Brief articles on HSD programs for *Smithsonian Magazine*.

A brochure on WWII-era victory gardens generated by NMAH in conjunction with the exhibition, *Within These Walls*.

HSD and OEC staff reviewed approximately 2,500 images for planning associated with the annual orchid exhibition which opened in January 2003.

Development of a slide lecture for an SI Associates program.

A segment on cable television HGTV's "Great American Gardens" series about the Enid A. Haupt Garden (aired in February 2003).

Human Studies Film Archives, NMNH

NMAI staff researched the extensive Huichol Indian (northern Mexico) film collection for use in an exhibit for the opening of the museum on the mall.

Dr. Richard and Sally Price researched the Melville Herskovits film materials for a book to be published in fall 2003 on the beginnings of Afro-American anthropology. The book will contain two still frames from the film materials.

Maria Sprehn, Department of Anthropology curatorial assistant, researched film records of the Tarahumara (northern Mexico) for a research and educational project on Tarahumara cultural heritage.

A delegation from the Micronesian Seminar, Pohnpei, Federated States of Micronesia, researched film records of Pohnpei for creating a research archives of visual materials on the life and culture of Pohnpei.

Film footage was used in a historical timeline documentary for the DVD release of *Pearl Harbor*.

Research continued on the Yanomamo audio tapes (1968 and 1971) which are cited in Patrick Tierney's controversial book *Darkness in El Dorado: How Scientists and Journalists Devastated the Amazon*.

National Air and Space Archives

A list of publications where significant research was conducted in the Archives during FY 2002:

Chauncey Spencer: A Place in the Sky (museum film), Virginia Museum of Transportation.

Charles Lindbergh: American Hero of Flight by Virginia Meachum, published by Enslow Publishing.

The Roaring Twenties, edited by Stuart A. Kallen, published by Greenhaven Press.

Sisters in the Air by Helen Whittaker, published by Overmountain Press, Meteor Crater Natural Landmark (exhibit), Flagstaff, AZ.

Airplane Adventures by Karen and Glen Bledsoe, published by Capstone Press.

First to Fly: North Carolina and the Beginnings of Aviation by Thomas C. Parramore, published by University of North Carolina Press.

The Adventurers, edited and published by Barrie Publishing, Australia.

The Wright Brothers: A Flying Start by Elizabeth MacLeod, edited and published by Kids Can Press, Canada.

Deutsche Flugzeuge bis 1945, revised edition, (German language) by Peter Cohausz, published by Aviatic Verlag.

On Great White Wings: The Wright Brothers and the Race for Flight by Fred Culick and Spencer Dunmore, published by Madison Press Books.

Tornado: Wright Aero's Last Liquid-Cooled Piston Engine by Kimble D. McCutcheon, published by Weak Force Press.

Spectacular Space Travelers by Jason Richie, published by the Oliver Press.

At the Controls: The Smithsonian National Air and Space Museum Book of Cockpits by Eric F. Long, Mark A. Avino, Tom Alison and Dana Bell.

Aviation in the 20th Century (exhibit), Museum of Aeronautical Sciences, Chiba, Japan.

1001 Things Everyone Should Know about World War II by Frank E. Vandiver, published by Doubleday.

America Attacks Japan: The Invasion that Never Was by Timothy P. Maga, published by University of Kentucky.

Before Amelia: Women Aviators in the Early Days of Flight by Eileen F. Lebow, published by Brassey's, Inc.

Space Flight: Crossing the Last Frontier by Jason Richie, published by The Oliver Press, Inc.

David Price, St. Martins College (Lacey, Washington) researched the role of anthropologists and anthropology in Cold War policy for a forthcoming book.

William Peace, independent scholar, conducted research for a book on anthropologist Leslie White.

The Smithsonian National Air and Space Museum Book of Flight by Judith E. Rinard, published by Firefly Books.

The Smithsonian National Air and Space Museum Directory of Airplanes, Their Designers, and Manufacturers by Dana Bell, published by Greenhill Books.

Octave Chanute, Chicago: Flights before the Wrights (exhibit), John Crerar Science Library, University of Chicago.

Lindbergh (exhibit) at the Missouri Historical Society.

World Almanac for Kids 2003, edited and published by World Almanac Education Group.

Nature's Flyers: Birds, Insects, and the Biomechanics of Flight by David E. Alexander, published by Johns Hopkins.

Carillon Historical Park Object Theater (multimedia museum presentation), Carillon Historical Park, National Park Service.

National Anthropological Archives, NMNH

Suzi Jones, Anchorage Museum, researched Alaskan materials for a forthcoming exhibit of indigenous Alaskan art at the Anchorage Museum, 2003.

Paula Fleming, NAA, researched the Shindler Photograph Collection for a forthcoming publication on Native American photography at the Smithsonian.

Igor Krupnick, Arctic Studies Center, Department of Anthropology, NMNH, researched photographic materials from St. Lawrence Island for a sourcebook on Yupik heritage and history, *Akuzilleput Igaquillghet: Our Words Put to Paper*.

Smithsonian Institution Archives

The Alexander Wetmore Papers were used by Mark Barrow, a historian from Virginia Tech, for research on the history of attitudes toward the extinction of species.

Robert Post, a Fellow at the Dibner Institute for the History of Science, used various collections of official records for a project on the history of the National Museum of American History.

Julie Newell, a historian from Southern Polytechnic State University, studied the papers of Fielding B. Meek, George P. Merrill, and other

geologists for research on the formation of the American geological community.

James Tobin, an independent author, used records and papers of Samuel P. Langley for a planned book on the early history of aviation in America.

Pamela M. Henson of the Institutional History Division, SI Archives, continued research on the legal history of the Smithsonian Institution, focusing on the Statutes at Large and Memoranda of Understanding between the Smithsonian and federal agencies.

Monographs using SIA resources included:

Michele L. Aldrich. *New York State Natural History Survey, 1836-1842*.

Brian S. Baigrie, editor, *History of Modern Science and Mathematics*.
Nancy Burnett and Bradford Matson, *The Shape of Life*.

Elizabeth Hanson. *Animal Attractions: Nature on Display in American Zoos*.

R. W. Home, et al., *Regardfully Yours. Selected Correspondence of Ferdinand von Mueller, volume II: 1860-1875*.

Articles that appeared in edited works included:

William W. Fitzhugh. "Origins of Museum Anthropology at the Smithsonian Institution and Beyond."

Matthew Godfrey. "Traversing the Fortieth Parallel: The Experiences of Robert Ridgway, Teenage Ornithologist."

John Moring. *Early American Naturalists: Exploring the American West*.

Smithsonian American Art Museum. *George Catlin and his "Indian Gallery."*

David J. Webber, *Outstanding Environmentalists of Congress*.

Scott Weidensaul, *The Ghost with Trembling Wings: Science, Wishful Thinking and the Search for Lost Species*.

Pamela M. Henson. "Sources for the History of Oceanography at the Smithsonian Institution and National Archives."

John E. Kelly. "Charles Rau: Development in the Career of a

Nineteenth Century German-American Archaeologist."

Jane MacLaren Walsh. "Collections as Currency."

Articles that appeared in journals included:

William Bushong. "Glenn Brown and the Planning of the Rock Creek Valley."

Pamela M. Henson. "Invading Arcadia: Women Scientists in the Field in Latin America, 1900-1950."

Michael J. Horsley. "The Art of Scientific Photography: The Panoramic Photographs of Charles D. Walcott."

John P. Hubbard, Carla Dove, and Christopher M. Milensky. "T. C. Henry's Harlan Hawk and other 1850s Kansas Birds."

Ellen Roney Hughes. "The Peoples Museum: George Brown Goode's Collection of Sports Goods for the Smithsonian Institution in Victorian America."

Ph.D. dissertations included:

Briann G. Greenfield. "Old New England in the Twentieth-Century Imagination: Public Memory in Salem, Deerfield, Providence, and the Smithsonian Institution."

Nancy Jachec. "A Partnership of Equals: Kennedy, the European Union, and the end of Abstract Expressionism as an Atlanticist Aesthetic."

Roy MacLeod. "Strictly for the Birds: Science, the Military and the Smithsonian's Pacific Ocean Biological Survey Program, 1963-1970."

Carolyn V. Platt. "Song Sparrows of Interpont. Margaret Morse Nice, Ornithologist."

Douglas H. Ubelaker. "T. Dale Stewart's Perspective on his Career as a Forensic Anthropologist at the Smithsonian."

Deborah Jean Warner. "From Tallahassee to Timbuktu: Cold War Efforts to Measure Intercontinental Distances."

Judith Zilzer. "A Not-So-Peaceable Kingdom: Horace Pippin's Holy Mountain."

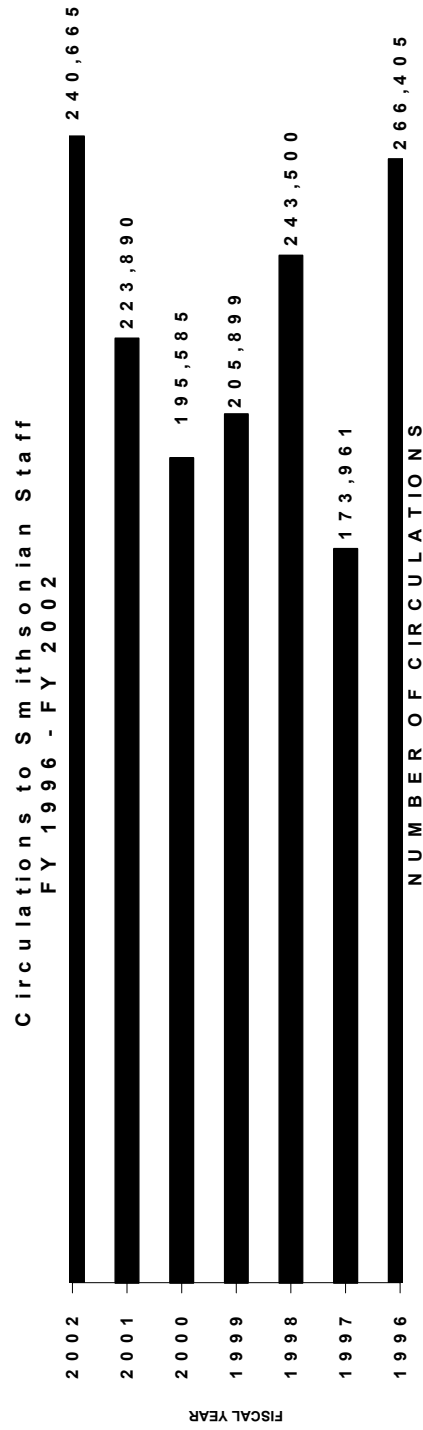
Marc-Antoine Kaeser. "The Prehistoric Universe. Science, Faith, and Politics in the Work and Life of Edouard Desor."

SIL INTERLIBRARY LOANS

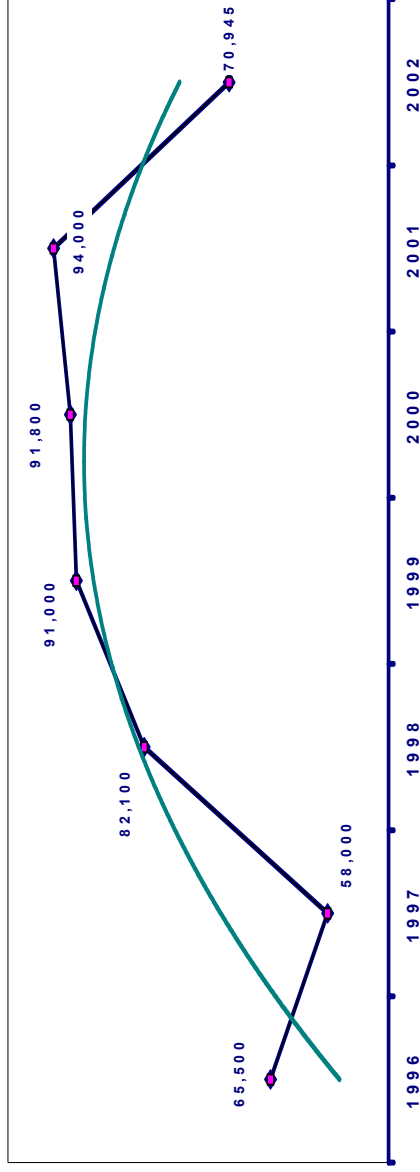
2002 Interlibrary Loans	Trans 15,920	Titles Provided 10,675	Trans 10,527	Titles Received 10,027	Total Transactions 26,447	Total Interlibrary Loans 20,702
SIL						

The Smithsonian Institution Libraries offers information resources to Institution staff, visiting researchers, and the public through on-site collections and electronic services. The library catalog is on the Internet, accessible through the Smithsonian Institution Research Information System (SIRIS), and numerous volumes are available to the public through interlibrary loan.

During FY 2002, Smithsonian Institution Libraries conducted interlibrary loans of 20,702 titles and 70,945 reference transactions from library users from every U.S. state and territory. SIL Branch staff provided Smithsonian staff 39,076 titles through 240,665 circulation transactions. The Libraries loaned 76 items to exhibitions including: *George Catlin and His Indian Gallery* (Renwick Gallery, SI), *View of the Future Through Time* (Cerritos Library, CA, SI Affiliate), *The Metropolis in the Machine Age* (Hirshhorn, SI), *Noble Voices* (Strong Museum, Rochester, NY, SI Affiliate), *New Hotels for Global Nomads* (Cooper-Hewitt, SI), and *On Ramps: Transitional Moments in California Art-Post Realism* (Pasadena Museum for California Art, CA, SI Affiliate).



Reference Questions FY 1996 - 2002



• *An Odyssey in Print: Adventures in Smithsonian Libraries* opened in the Smithsonian Libraries Gallery on May 16, 2002 and continues through December 2003. On display are nearly 100 examples of lavishly illustrated books from the Smithsonian Libraries. Books representing over 500 years of printing are included in the exhibition, from rare works published before 1500 to contemporary artists' books produced at the end of the twentieth century. In addition, in May, 2002, Smithsonian Press issued *An Odyssey in Print: Adventures in Smithsonian Libraries*, an accompanying catalog with essays by Michael Dirda and Storrs Olsen and a history of SIL collections by Mary Augusta Thomas. An online version of *An Odyssey in Print* can be seen at www.si.si.edu/exhibitions/odyssey.

• Smithsonian Institution staff, research associates, interns and volunteers make frequent and steady use of the Library's personnel, resources and services in conjunction with their several research projects. Among these projects was preparation of the Southeast volume of the *Handbook of North American Indians* and various papers and talks intended for presentation at upcoming professional meetings such as those of the American Anthropological Association. The anthropology librarians' special knowledge of subject areas and information networks was notably helpful to the researchers.

SMITHSONIAN INSTITUTION TRAVELING EXHIBITION SERVICE (SITES)

During FY 2002, the Smithsonian Institution Traveling Exhibition Service (SITES) circulated 56 exhibitions containing 2,220 objects to 231 exhibitors in the United States, Canada, and Australia. Thirty-six of these exhibitions were based on Smithsonian collections or research. Nine exhibitions opened and seven ended their tours, which included 745 objects borrowed from 111 lenders, and 299 objects returned to 73 lenders.

In keeping with the mission to bring the Smithsonian to the nation, SITES renewed its commitment to circulating exhibitions from the national collections. Among the nine exhibitions with tours originating in FY 2002, seven represent Smithsonian collections and research.

Further enhancing SITES' commitment to reaching a wider audience for its exhibitions, collaborations beyond the National Mall continued to enable SITES to reach communities across the nation that do not otherwise have access to Smithsonian collections and research. The ongoing partnership with the Federation of State Humanities Councils known as *Museum on Main Street (MoMS)* circulated multiple copies of three small exhibitions to rural cultural centers with limited resources, staff, budgets, and space.

Exhibitions in the collaboration consist of free-standing units that can be arranged in a variety of configurations. The units require no tools or hardware to assemble and come in lightweight polyurethane crates with wheels and handles for easy mobility. Each contains some objects purchased for the exhibition, as well as graphic panels. Exhibitors in the program have access to the same educational materials prepared for the original, larger versions of the exhibitions.

During FY 2002, three copies of *Barn Again! Celebrating an American Icon* (based on an exhibition originally developed by the National Building Museum) were presented in 24 venues in Nebraska, Indiana and Iowa. Four copies of *Produce for Victory: Posters on the American Home Front, 1941-1945*, an exhibition based on posters from the National Museum of American History, circulated to 25 venues in Louisiana, Tennessee, Mississippi, North Carolina and California. Finally, five copies of *Yesterdays Tomorrows: Past Visions of America's Future*, based on a 1984 collaboration between SITES and NMAH, circulated to 35 venues in Missouri, Alabama, Georgia, South Dakota, Utah and Oregon.

SITES exhibitions opened during FY 2002

(* Asterisk denotes exhibitions based on Smithsonian collections and/or research)

- **The American Presidency: A Glorious Burden*. From the National Museum of American History (Illinois, Missouri)
- **The Artistry of African Currency*. From the National Museum of African Art (District of Columbia)
- **At the Controls: The Smithsonian Air and Space Museum Looks at Cockpits (copy I)*. From the National Air and Space Museum (Nebraska, District of Columbia)
- **At the Controls: The Smithsonian Air and Space Museum Looks at Cockpits (copy II)*. From the National Air and Space Museum (New Jersey, Arizona; Virginia)
- **Corridos Sin Fronteras: A New World Ballad Tradition*. From the Center for Latino Initiatives (District of Columbia, California, Colorado)

- **Feast Your Eyes: The Unexpected Beauty of Vegetable Gardens, American Garden Legacy Series* from the Horticulture Services Division (Nebraska)
- **The Graceful Envelope*. From the National Postal Museum (Florida, Ohio, North Carolina, Florida)
- Hannelore Baron: Works from 1969 to 1987* (Virginia, California)
- In the Spirit of Martin: The Living Legacy of Dr. Martin Luther King, Jr.* (Miami, Florida)

DIGITIZATION

Digitizing collections, archives, library, and research information can help the Smithsonian achieve its goals of dramatically enlarging its audiences and degree of engagement, enhancing its scientific research, and modernizing its collections management. Combined with electronic delivery over the Web, digitizing affords the Institution the opportunity to expand its educational mission by delivering the Smithsonian to every school and home across the country.

Furthermore, researchers around the world who use the collections for scientific purposes – to identify species, to assess the biodiversity of a region, to study geological processes and history – will be able to access data from their desktop computers. This resource is as important to scientists, as it is to researchers and students in the arts and humanities.

Smithsonian Information Technology Plan, FY 2002-2007

Smithsonian collecting units are making collections more accessible by creating electronic catalogs and web-based information systems that consolidates a wide range of data and images previously held in disparate locations. At the close of FY 2002, over 12.3 million objects and specimens were available in electronic form to the public through 3.3 million records and 192,900 images. During the course of the year, nearly 907,600 electronic records and 89,600 images were added to public access systems.

Public Impact

Public Access Systems

	American Museums	International Art Museums	Science	Central Units	Total
Total number of objects / specimens available in electronic form to the public	1,254,622	298,683	10,810,065	31,464	12,394,834
Number of electronic records available to the public	1,302,059	299,066	1,731,253	36,538	3,368,916
Number of electronic images available to the public	57,036	61,960	50,778	23,222	192,996
Number of electronic records added to public access system during FY 2002	64,450	8,277	832,350	2,569	907,646
Number of electronic images added to public access system during FY 2002	30,017	16,142	41,984	1,485	89,628

2002 Acquisition Highlights



The Smithsonian requires responsible, disciplined acquisition of collections through the following principles:

- *the acquisition of collections relevant to the mission and goals of the Smithsonian and individual collecting unit*
- *the establishment and periodic review of collecting scope statements which define collecting goals and objectives*
- *clear delegation of collecting authority within collecting units*
- *the use of formalized acquisition evaluation criteria*
- *strict adherence to professional ethics and all applicable laws and regulations relating to collections acquisition.*

Smithsonian Directive 600: Collections Management

MUSEUM ACCESSION HIGHLIGHTS

Anacostia Museum and Center for African American History and Culture

- A custom-made baby grand piano belonging to the celebrated African American opera singer Madame Lillian Evanti and an archival collection documenting her life and career.

- A collection of 367 objects of 20th century and contemporary Black ethnic memorabilia by Diane Scharfeld Isaacs.
- A collection of Suriname Maroon culture art and history objects by Janina Rubinowitz.

Arthur M. Sackler Gallery

- The Roy Lichtenstein (1923-1997), oil painting *Landscape in Scroll*, 1996.
- *Krishna and Balrama*, India (Orissa), 15-16th century, brass sculpture.
- A square bottle, 2001, made of Mashiko clay, created and donated by the Japanese artist Shimaoka Tatsuzo (born 1919).
- A 19th century tinned copper begging bowl (kashkul) from Iran/Afghanistan.

- Raghubir Singh (India, 1942-1999), *Morning on the Darbhanga Ghat, Benares, Uttar Pradesh*, 1998, chromogenic print.
- C.C. Wang (China/United States, born 1907), six paintings, 1995-2001, ink and colors on paper.
- An album of calligraphic exercises, dated A.H. 1159 (C.E. 1746), ink and gold on paper, by Sayyid Ahmad (also known as Khwaja-zada), Turkey.
- Chang Dai-chien (Zhang Daqian, China, 1899-1983) after Liang Kai (China, active early 13th century), inscribed by Puru (1896-1963), *Sleeping Gibbon*, ink on paper, hanging scroll.

Cooper-Hewitt National Design Museum

- Drawing, *The Cupid Seller or The Merchant of Love [La Marchande d'Amour]*, design for a *Toile de Jouy* (printed textile), designed by Hippolyte La Bas (French, 1782-1867), 1817-1818.
- Eleven watercolor design drawings of the Chapel of St. Ignatius, Seattle University, Seattle, Washington, by Steven Holl (American, b.1947), 1994.
- Set of silver dessert fork and knife, designed by Viennese architect Josef Hoffmann (1870-1956), from the pattern called *Flat Model* (Flaches Modell), produced by the Wiener Werkstätte when it opened in 1903. Hoffmann's Flat Model was the most radically modern flatware design introduced at the beginning of the 20th century and has continued to be an influential and pivotal design in modern cutlery.
- Glass covered vessel designed in 1923 by Edward Hald (1883-1980), artistic director of the Orrefors glassworks in Sweden. It features an engraved decoration of a female figure seated on a fluttering banner, amid a field of stars bordered by scalloped

Freer Gallery of Art

- *Farman of the Emperor Akbar*, Mughal period (1526-1856), India, opaque watercolor, ink and gold on paper.
- Model of a Granary, Southern Song dynasty (1127-1279), China, 13th century, porcelain with quingbai glaze.
- Scabbard fitting, Northeast China or Southeast Inner Mongolia, 6th-5th century B.C.E., cast bronze.
- Ceramic tile, Turkey, Iznik, ca.1575, composite body painted over slip under a transparent glaze.
- Koran section ("juz"), Central Asia, probably Uzbekistan, 11th century, ink, color, and gold on paper with leather binding.

bands. This model was one of the glass pieces shown by Orrefors at the 1925 Paris World's Fair.

- Textile, *Campagna*, c.1950-1952, designed by Angelo Testa (1921-84), produced by Knoll Associates Inc., USA. Brick-work like pattern composed of rectangles of varying sizes. Each form is filled with concentric lines. Screen-printed in green on a bleached linen ground.

- Textile, *Circle Square II*, c. 1995-98, designed by Hideko Takahashi, produced by MitashoCo. Ltd. in collaboration with Textile Research Institute of Gumma, Japan.
- A wallpaper sample book with designs by Le Corbusier, a significant 20th century architect, produced by the Swiss company, Salubra, in 1959.

- Jar, Korea, 5th-6th century, stoneware.
- William Christenberry, *Dream Building in a Landscape*, 2001, sculpture of plywood, basswood, dowels, red soil, metal, gesso and gourds.
- Joseph Kosuth, *Four Colors Four Words*, 1966, neon and transformer.

Hirshhorn Museum and Sculpture Garden

- Rezei Tamechika (Japan, 1823-1864), *Kemari Scene from the Tale of Genji*, hanging scroll, ink and color on silk.
- Ann Hamilton, *at hand*, 2001, a mix-media sculpture of six paper-dropping mechanisms, three air compressors, 16 speakers, sound recording, programmed sound equipment, motion sensors and paper.
- Ernesto Neto, *The Dangerous Logic of Wooing*, 2002, sculpture of lycra, styrofoam and rice.

National Museum of African Art

- Yoruba peoples, *Iyaibeji (Mother of Twins)*, helmet mask, carved by Bangboye (d. 1978), one of the great master Yoruba sculptors of the last century, for the Epa festivals of northern Ekiti towns. Epa masks were owned and revered by lineage groups and refer to the history of the family and of the town, as well as to the cultural values of the community.
- Ejagham peoples, helmet mask, late 19th - early 20th century, wood, skin, nails. Distinctive in the corpus of African art are animal (probably antelope) skin-covered crest and helmet masks created by the Ejagham peoples living in the Cross Rivers region of southeastern Nigeria and western Cameroon. This compelling triple-faced helmet mask, probably of the style made by the Ukelle peoples, an Ejagham sub-group, was used in performances of a warriors' association, known in much of the region as Nkang.

- Asante peoples (Ghana), female maternity figure seated on a regal chair with child, late 19th - mid 20th century, wood pigment, glass beads, fiber, and nails.
- Edo peoples, plaque, mid 16th - 17th century, copper alloy, depicting a male citizen.
- Zwelethu Mthethwa (born 1961, South Africa), *Where Angels Fear to Tread IV*, 2001. This pastel drawing depicts the alienation and dehumanization faced by many of Cape Town's rural migrants in the post-apartheid era.
- Sue Williamson (born 1941, England), *The Last Supper Revisited*, 1993. This mixed media installation shows the last supper for the Muslim holiday Eid al Fitr, as celebrated by the Ebrahim family, whose house was leveled by bulldozers in the destruction of the District Six community, in Cape Town, South Africa, during apartheid.
- Ben Enwonwu (1921-1994, Nigeria), *Still Life*,

1948, oil on canvas. This early work by Ben Enwonwu represents an important stage in his career experimenting with the early modernism's interest in "art nègre."

- Ouattara Watts (born 1957, Côte d'Ivoire), *Ka Cabala Voodoo*, 1995. This large mixed media painting is a good example of
- A backup of the world's first reconnaissance "intelligence satellite," the Galactic Radiation and Background, (GRAB-1), launched on June 22, 1960 as part of a then-secret U.S. Navy program designed to obtain data on Soviet radar defenses for use by the U.S. Strategic Air Command. The satellite also carried instruments to monitor the Sun's ultraviolet and X-ray radiation. GRAB was declassified by the Navy in 1999.
- A full-scale model of the Mars Pathfinder spacecraft (Lander, Descent Vehicle & Mini-Rover named "Sojourner") that landed

National Air and Space Museum

- on Mars on July 4, 1997, and transmitted surface images and composition data until September 27, 1997 when communications was lost. This model was displayed in the *Where Next, Columbus* gallery from 1992 to 2002.
- A Russian flight suit typical of the clothing worn on board the Salyut space station during the Soviet Union's early long-duration missions. Although this is not a flown suit it is an example of non-life support or conditioning Russian or Soviet flight clothing.

National Museum of American History, Behring Center

- The work clothing (including a shirt, trousers, and shoes, a tool scabbard, and a squeegee handle) worn to work by Mr. Jan Demczur, a window cleaner at the World Trade Center on September 11, 2001. Mr. Demczur used the squeegee handle to cut through wallboard when he and five other men were trapped in an elevator on the 50th floor of Tower 1 in order to escape from the building moments before it collapsed.
- Julia Child's personal kitchen from her home in Cambridge, Massachusetts, used for television cooking demonstrations. It includes about 1,009 kitchen tools, utensils, appliances, fixtures, furnishings, and cabinetry.
- Clinometer compass used by Smithsonian Institution Secretary Charles D. Walcott in 1907 and made by Fauth & Company of Washington, D.C., in 1894.
- Voting machine and memorabilia used in the 2000 Presidential Election in Palm Beach County, Florida.
- A scrapbook using a 1939 merchant's ledger with photographs, newspaper clippings, stories, verses, and decorated with patriotic ornaments made in response to the events of September 11, 2001.

- channel and provide communication assistance to emergency personnel in disaster situations.
- Diagnostic equipment used in the early detection of breast cancer.
- IBM's Deep Blue supercomputer tower with microcomputer, monitor, keyboard, mouse, name plate, and a poster from the rematch of Deep Blue versus chess Grand Master Gary Kasparov played May 3-11, 1997, in which Deep Blue won 3.5 games to 2.5.

- The cornet made about 1910 by Marceau of Bohemia / Czechoslovakia on which Louis Armstrong was taught to play by Peter Davis during his stay at the New Orleans Colored Waifs Home, 1913-14.

- A quartet of stringed instruments (2 violins, a viola, and a cello) made by the French luthier Jean-Baptiste Vuillaume of Paris, 1860-71, for the emerging middle class by making a small profit on a large volume of sales rather than limiting his business to elite customers.
- Citizen's band radio equipment used by Henry B. "Pete" Kreer, founder of the Radio Emergency Associated Citizens Team (REACT), a volunteer group who monitor the CB emergency

National Museum of the American Indian

- A collection of Inuit art, including 309 pieces of stone sculptures, prints and drawings, graphic catalogs and reference books that greatly enhances the museum's holdings in the area of Eskimo art.
- Acoma pots made by members of the Lewis family, kachinas, textiles, basket, and Lewis family photographs.
- Cherokee baskets and paintings.

- A Wheaties box with the image of Jim Thorpe (1887-1953), Native American and Olympian, baseball and football player, ABC Wide World of Sports "Athlete of the Century."
- Eastern Cherokee burial urn and lid.
- 80 items from the Denver March 2002 Powwow and Hupa feather holder.
- Pamunkey clay beads and ceramic plate.

National Museum of Natural History**Anthropology**

- Dolores Newton collection (1964-1984) of ethnographic artifacts from the Krikati people of Brazil. This acquisition places the department of Anthropology, NMNH, as the premier Timbira Indian collection in the United States.

Mineral Sciences

- Faceted, green 262.33 carat spodumene from Brazil.
- Beryllonite with quartz and feldspar from Afghanistan.

Paleobiology

- Four large microfossil collections totaling 384,000 specimens that are valuable to scientists studying past environments and climatic change.
- Cretaceous ammonites from the Pierre Shale of South Dakota. This acquisition represents one of the department's collections management goals: to build collections of

Systematic Biology**Botany**

- 58 voucher specimens from Madagascar for National Cancer studies to identify anti-cancer and anti-AIDS compounds in plants.

- A series of collections of textiles and clothing that commemorate important events in Chad, Kenya, Togo, Lesotho, and Ghana. The objects were collected by former U.S. Peace Corps volunteers.
- Carrolite from the Democratic Republic of the Congo, presently the second largest crystal in the world of this extremely rare species.
- Tanzanite and diamond platinum brooch in a Harry Winston setting.

specimens mentioned in the scientific literature, which are used as reference material by scientists all over the world.

- A holotype specimen of a new species of fossil lizard collected from a site in Virginia, helping paleontologists reconstruct the local environment during the Eocene Period.

- 8 Acanthaceae type specimens from Surinam and document the rich floristics of the Guianas.
- 23 Asteraceae (insect host) voucher specimens from Bolivia which document plant-animal interactions and

relationships between modern and fossil floras, human impacts, global change, and biodiversity.

Entomology

- The Wolfgang Ullrich Collection of 600,000 heteroptera and hemiptera specimens (true bugs), most of which come from the southern Mediterranean. The specimens from Egypt are among the best in the world.
- 10,565 butterfly specimens from Panama and other Latin American countries.

Invertebrate Zoology

- 230 Polychaeta & Nemertea (worms) from Palau, Micronesia, Guam and Hawaii.

Vertebrate Zoology

- 340 herps and mammals from Myanmar.
- 26 birds salvaged from various U.S. Air Force bases and sent to the Feather Identification Laboratory.
- 37 house mice and gerbils (voucher specimens) collected in Afghanistan, Pakistan, and Qatar during Operation Enduring Freedom as part of an investigation of possible disease hosts and vectors.

- 3,850 Trichoptera (caddis flies) and Neuroptera (nerve-winged insects) collected from New Zealand.

- 589 Cumaceans (Crustacean) from the Grigore Antipa National Museum of Natural History, Romania, including representatives of 13 newly discovered taxa.

- 19 lots, 67 specimens of cichlid paratypes (fishes) from Lake Malawi, Africa.
- 101 mammals from collected from Myanmar, including the first skeleton of *Megaerops ecaudatus* to the collection.

National Postal Museum

- Twenty-six objects collected from the Church Street Post Office Building, located on the corner of Church and Vesey Streets directly across from the World Trade Center, including a sorting unit that belonged to Emma Thornton, the carrier

whose route included floors 77-110 of One World Trade Center, and a damaged mailbox from the street in front of the post office.

2002 Collection Statistics

- Virginia City Pony Express cover, used for mail service operated by Wells, Fargo & Co., 1862.
- Twenty-four early postal union ribbons and badges representing state and national postal union conventions, 1930s and 1940s.

Acquisition Highlights

- A collection of framed Federal Duck Stamps (1961-1997) and Federal Duck Stamp die proofs (1934-1960) from the Federal Duck Stamp Office, U.S. Fish and Wildlife Service.

National Portrait Gallery

- *Red Jacket (Sagoyewatha)*, 1868, an oil painting of the Seneca chief by Thomas Hicks, painted after an 1828 original by Robert W. Weir. This painting is an excellent contemporary copy of an exceedingly important image of a distinguished Seneca chief and adds immensely to NPG's collection of Native American subjects.

- *Willem de Kooning* by his wife Elaine de Kooning, ca. 1952, oil on panel. One of NPG's collecting goals is to acquire portraits of sitters at a crucial moment in their careers, and by artists who interacted with the subject in a notable way. This goal is achieved through this portrait of a leading Abstract Expressionist painter, created by his wife, at the time that his work was first receiving important critical notice in New York.

- *Muhammad Ali* by Henry Casselli, oil on canvas, 1981. NPG is striving to acquire more portraits of living Americans at the height of their careers. This monumental painting of a renowned boxer will add significantly to the museum's holdings of important American athletes.

- Marius De Zayas, *Agnes Meyer*, charcoal, c.1910; *The Picnic*, watercolor, c. 1912; *Alfred Stieglitz*, charcoal, c. 1909; *Edward Steichen and Auguste Rodin*, charcoal, c. 1910-12. These four drawings by a Mexican-born caricaturist and artist of note play an important role in promoting NPG's efforts to collect

innovative 20th and 21st century portraiture. De Zayas's portraits consistently challenged and expanded accepted conventions for portraiture and provide great insight into the intellectual and aesthetic development of portraiture by members of the Stieglitz circle.

- An album of silhouettes by William Bache, c. 1804-1810. This album of early 19th century silhouettes plays an important role in capturing social and political relationships between the Founders of the American republic and New Orleans society. The silhouettes represented cuts between racial, economic, and cultural lines, including Hispanic culture, and provide a fascinating clue to critical economic, political, and social networks that might otherwise be lost to history.

- *Beauford Delaney*, 1943, by Georgia O'Keeffe, pastel. O'Keeffe's portrait of the gay, African-American artist Beauford Delaney was made at a moment of great hardship for Delaney. O'Keeffe's portrait, one of the few she made, captures Delaney's dignity in the face of major personal and social challenges. At the same time, O'Keeffe's representation of Delaney suggests the abstract tendencies of her figurative work, and helps us to understand the relationship between abstraction and representation, identity and aesthetics during the first half of the 20th century.

- An albumen silver print of Alexander Gardner by the Mathew Brady Studio, c. 1861. Alexander Gardner was one of the pre-eminent American photographers of the 19th century, and his portraits of Abraham Lincoln, Ulysses S. Grant, William Tecumseh Sherman, Philip Henry Sheridan, and Rose O'Neal Greenhow are treasures of the NPG's collection of Civil War-era photographs. This portrait by Mathew Brady dates from the first year of the Civil War when Gardner headed Brady's team of field photographers who fanned out to document the conflict. It will be featured in NPG's forthcoming book on Civil War collections at the Smithsonian and will be included in future Civil War exhibitions mounted by the Gallery.
- An albumen silver print of Winema by Charles Milton Bell, c. 1875. This portrait of the Modoc interpreter Winema is only the fourth photograph of a Native American woman to enter the NPG's collection. It enables the Gallery to discuss the

complex relationship between whites and Native Americans in the 19th century by focusing on Winema's efforts to facilitate dialogue between her people and representatives of the United States. This acquisition is in keeping with the Gallery's commitment to collect portraits of significant subjects from diverse populations and to acknowledge their contributions to the full sweep of the nation's history.

- A gelatin silver print of Medgar Evers and Roy Wilkins by unidentified photographer, 1963. This press photograph, which records the arrest of Evers and NAACP national secretary Roy Wilkins as they picketed the F. W. Woolworth store in Jackson, was taken just 11 days before Evers's assassination on June 12, 1963. Prior to this acquisition neither Evers nor Wilkins was represented in the NPG's Permanent Collection.

National Zoological Park

- Birth of the male Asian elephant (*Elaphas m. maximus*), Kandula, through artificial insemination. This was made possible by pioneering research at the Zoo.
- A male siamang (*Hylobates syndactylus*) as a non-breeding companion for the female.
- A male Goeldi's monkey (*Callimico goeldii*), part of a multi-animal move for breeding program.
- A group of freshwater stingray, the first birth of this species at NZP.

- A male red-billed hornbill (*Tockus erythrorhynchus*) as a mate for the female.
- A group of mallard ducks (*Anas platyrhynchos*) and American black ducks (*A. rubripes*), hatched for studies of neophobia.
- 3 tentacled snakes (*Erpeton tentaculatum*), first birth of this species at NZP.
- A lowland gorilla (Kojo), native to the tropical forests of West and Central Africa, the fifth offspring of female Mandara.
- The 100th black-footed ferret (*Musela nigripes*) born at the National Zoo's Conservation and Research Center by an artificial insemination procedure first implemented in 1996.

Office of Architectural History & Historic Preservation

- A wood block print from "The Illustrated News," November 12, 1853, that depicts the interior of the West Wing of the Smithsonian Building when it served as the library.
- Oscar Bluemner (1867-1938), *Evening Tones*, 1911-17, oil on canvas. This painting is an early cubist work and is one of the finest of Bluemner's career.
- Deborah Butterfield, (born 1949), *Monekana*, 2001, bronze. This is a monumental, iconic horse by a prominent contemporary sculptor.
- Liz Larner, (born 1960), *Bird in Space*, 1989. This is a stunning work by an award-winning contemporary artist that challenges traditional notions of sculpture.
- Sean Scully, (born 1945), seventy-one unframed prints, seven portfolios containing fifty-four prints total, eight exhibition

Smithsonian American Art Museum

- prints on four sheets of paper, and two books. This is one of five master sets of prints to be placed in a major museum.
- Nam June Paik, (born 1932), *Electronic Superhighway: Continental US, Alaska, Hawaii*, 1995, 49-channel and closed circuit video installation, neon, steel and electronic components. This is a visually kinetic portrait of America by the father of video art.
- Martin Puryear, (born 1941), *Bower*, 1980, spruce and pine. This work is a lyrical abstract wooden sculpture by an internationally recognized artist.

Smithsonian American Art Museum, Renwick Gallery

- Jose Chardiet, (born Cuba 1956), *Rare Earth Wishbone*, 1996. This is a compelling glass sculpture and a new artist to the collection.
- Mark Lindquist, (born 1949), *Silent Witness #6~Dh0: Taciturn (Post Totemic Series)*, 1991-1995, turned, robotically-machined, and assembled sculpture of black walnut, mixed media, mixed metals, and found objects. This monumental sculpture is a metaphor for the distance between technology, represented by hard-drive disks, and craftsmanship.

- Sam Maloof, (born 1916), *Drop-leaf Dining Table with Wood Hinges with eight Texas Dining Chairs*, 1975, Brazilian rosewood. This is a stunning dining room set by a very distinguished furniture maker.
- John Marshall, (born 1936), *Metamorphosis Revisited*, 2001, raised, stretched, sunk, and carved silver, mokume-gane, and acrylic. This is a magnificent mixed metal sculpture by a renowned artist.

ARCHIVE ACQUISITION HIGHLIGHTS

Archives of American Art

- André Emmerich Gallery Records: This is the last addition to the André Emmerich Papers (born 1924). The most exciting portion of this gift is the large number of photographs of artists in their studios, many of them taken by Emmerich himself. Most of the pictures are in color and rise beyond the snapshot level in their intimacy, clarity, and documentary value. The Emmerich Gallery Records complement those of other New York galleries, and contain significant information on artists whose papers are in the Archives.
- Charles Campbell Gallery Records: The Charles Campbell Gallery, with a history going back to the 1950s when it opened as the Louvre Frame Shop, is among the most historically important San Francisco galleries from that era, especially from the standpoint of showing Bay Area artists. In 1990, the Gallery joined forces with Paul Thiebaud to become the Campbell-Thiebaud Gallery (a partnership now dissolved). The present collection covers up to 1990, with some later records included. Charles Campbell was a close friend of the leading Bay Area artists, many of whom had early or even first exhibitions in his frame shop cum gallery. Among them were Richard Diebenkorn, Wayne Thiebaud, Nathan Oliviera, Hassell Smith, Elmer Bischoff, Christopher Brown, Gordon Cook, Gordon Onslow-Ford, and James Weeks. This collection is significant because the Archives has the papers of artists exhibited at this gallery and it broadens those collections that are already part of Archives holdings.
- Dorothy Weiss Gallery Records: The Dorothy Weiss Gallery Records date from ca. 1964-2001, with the bulk of the material covering 1984-2000. The collection documents the Gallery's relationship with approximately three hundred artists, through artist files, exhibition files, and subject files, and is an excellent source of information on the work of contemporary ceramic and glass sculptors. It complements similar gallery collections and documents exhibitions of artists whose papers are in the Archives.
- Gertrude Kasle Gallery Records and Kasle/Colby Art Consultants addition: This collection comprises the records of the Gertrude Kasle Gallery in Detroit (1960-1976), and Kasle/Colby Art Consultants, established in 1976, and includes artist files containing biographical material, correspondence, photographs, catalogues, announcements, clippings, and miscellany concerning approximately 85 artists, including such names as Willem de Kooning, Philip Guston, Jasper Johns, Robert Motherwell, Lowell Nesbitt, Charles Pollock, and Robert Rauschenberg. The Archives interest in this addition is that it already held part of the collection, and has collections of personal papers of some of the artists represented by the Gallery.
- Alexander Francis Harmer (1856-1925) Papers and the Alexander Francis Harmer Trust Records: The Alexander Francis Harmer Papers include letters (1882-1920) to Harmer from artists Frank Stephens, Thomas Eakins, and Thomas Anshutz, and from curator Hector Alliot, Captain John G. Bourke, editor of *The Land of Sunshine*, Charles F. Lumis, attorney Joseph D. Redding, George Wharton James, J. L. Wallace, and others; photographs, negatives, slides, and reproductions of works of art; published biographies of Harmer and other printed material; copyright registrations for

paintings; and periodicals with illustrations by Harmer. Of special interest is an illustrated letter from Thomas Eakins to Harmer, dated November 9, 1882, providing instructions on how to make a camera.

- Shiro Ikegawa (b. 1933) Papers: The Shiro Ikegawa Papers were collected as part of a collaborative effort of the California Asian American Biographical Survey and the Archives of American Art. The survey was initiated with an NEH grant in 1995 at San Francisco State University as an outgrowth of an exhibition, *With New Eyes*, curated by SFSU Art Gallery Director Mark Johnson. Painter, graphic artist, performance artist, and educator Shiro Ikegawa was born in Tokyo, Japan. Ikegawa is an abstract expressionist who has a reputation for an eclectic approach to art mediums, and he blends Asian and Western traditions. He is best known "as an inventive printmaker unconfined by conventional boundaries." This first installment of the Shiro Ikegawa Papers includes letters, postcards, printed material, photographs and slides, teaching material, medical records, awards and recommendations, and sketchbooks. Some of the letters and postcards are in Japanese. Ikegawa's work fits into the Archives holdings and complements other collections of his contemporaries.

- The Nanette L. Laitman Documentation Project for Crafts and Decorative Arts in America has made significant progress on oral history interviews during FY 2002. This project is an initiative to document the life and work of America's leading craft artists and is supported by a grant of \$538,000 from the William and Mildred Lasdon Foundation. During the five year project, the Archives will record and transcribe 100 oral history interviews with key figures in American craft. The grant will also support a major campaign to collect the papers of prominent artists working in clay, glass, fiber, metal, and wood. This project will be realized in association with the American Craft Museum. During FY 2002, the following

interviews were completed: Edgar Anderson, Joyce Anderson, Gary Knox Bennett, James Bassler, Joyce Marquess Carey, Fung Chow, Dominic DiMare, Peggy Hartwell, Earl Krentzin, Marilyn Levine, Warren Mackenzie, Jim Melchert, Walter Nottingham, Ed Rossbach, Ruth Adler Schnee, William Underhill, Katherine Westphal, and Bob Winston.

- Ronald G. Pisano (1948-2000) Papers: Ronald Pisano had a varied and prolific career as an art historian, all the while specializing in late-nineteenth and early-twentieth century American Art. He was an expert on William Merritt Chase, on artists of the genteel tradition, and on artists of Long Island, from the beginning to the present day. Most of his exhibitions resulted in catalogues, books, and articles and his research files reflect both curatorial and scholarly activity. The papers contain correspondence, slides, photographs, proposals, articles, clippings, manuscripts, contracts, typescripts, catalogues, financial data, travel, personal records, and other printed matter. The Archives was interested in this collection because of the information about William Merritt Chase and Pisano's career.
- Katherine Prince Collection relating to James McNeill Whistler: The collection consists of: two handwritten diaries of Katherine Prince written in England and Europe in 1845 and 1846 which frequently mention and describe visits with Deborah Whistler and their travels and activities together; letters from Leslie Prince to Katherine Prince in 1835 and 1836; a telegraph from James McNeill Whistler to the Livermore family in 1878; a letter from James McNeill Whistler to Susie Sutton inviting her to call on the artist in his studio; an invitation to Whistler's "10 O'Clock" lecture at Prince's Hall, Piccadilly; "Noctures, Marines and Chevalet Pieces" Goupil/6th edition inscribed to Susie Sutton by James McNeill Whistler; a typewritten memorandum written by Robert Cyprian Houpe on the Livermore family which mentions

a visit to dine with Whistler even as bailiffs have attached the artist's property. The Archives was interested in this material because of the subject and the fact that there is other material about Whistler in AAAA holdings.

- Arnold Rönnebeck (1885-1947) and Louise Emerson Rönnebeck (1901-1980) Papers: Arnold Rönnebeck, a German-born sculptor and printmaker, became part of the Stieglitz circle in the 1920s when he arrived in the United States. From 1926 to 1931, he was Director of the Denver Art Museum, making his living thereafter primarily from portrait

busts. In 1926, he married Louise Emerson, a Philadelphia area painter who subsequently had a significant career as a New Deal muralist, with commissions in Wyoming and Colorado. Rönnebeck and Emerson met in Taos. This collection is particularly outstanding for the Rönnebecks' connections. Among the treasures that Arnold created were his photographs and snapshots of Charles Demuth, Marsden Hartley, and of Alfred Stieglitz photographing Georgia O'Keeffe at Lake George, New York in 1924.

Archives Center, NMAH

- G. W. Aimar Drug Company Records, 1864-1972: This acquisition is a massive, detailed collection from a single firm.
- Fletcher and Horace Henderson Music and Photographs, 1930s-1980s: These papers document two major contributors to American big band jazz history and serve as a valuable addition to the museum's American Music holdings.
- Stanley Home Products Company Records, 1931-1999: As the records of an innovative and successful direct sales firm, this collection is an important addition to the Archives advertising and marketing collections.
- Ivory Soap Collection, 1883-1990: A very complete run of advertisements for one of the oldest branded products in this country. The ads illustrate the history of advertising techniques

and strategies as well as changing representations of gender, hygiene, and other cultural ideas.

- Duncan Family Yo-Yo Collection, 1928-2002: The records of a family business whose product became a ubiquitous part of American leisure life. These papers complement the museum's artifact collections and illustrate innovative marketing techniques.
- Doc Cheatham Papers, 1939-1998: The papers document the career of a renowned, long-lived jazz trumpeter, adding to the Archives strong jazz holdings.

Center for Electronic Research and Outreach Services, NPG

- Leah Lipton, curator of the exhibition *Chester Harding: A Truthful Likeness* and author of the exhibition catalogue of the

same name, donated all of her research material on the 19th

2002 Collection Statistics

century American portrait artist, Chester Harding, including documentation on all known portraits by that artist.

- David Meschutt, former curator of the West Point art collections, donated several hundred research photographs of American portraits of the 18th and 19th centuries.
- While visiting in England, a CEROS staff member conducted an on-site survey of American portraits at the National Portrait Gallery, London, the Royal Academy, the Victoria and Albert, and the Wellington Museum.

Eliot Elisofon Photographic Archives, NMAfa

- An exquisite signed photograph of a Mangbetu woman, which Elizabeth, Queen of the Belgians (1876-1965), made during an official visit to the Belgian Congo in 1928. The photograph is one of the most important images taken in the colony. It was frequently published and even appeared on postage stamps. It allows tracing the life history of an image and gives insight into the dynamics of photography in the Congo. The photograph is currently on display in the *In and Out of Focus* exhibition and has been published in the accompanying catalog.

- A collection of photographic prints, postcards, drawings, and picture frames from the estate of Casimir d'Ostoja Zagorski (Polish, 1883-1944). This collection includes images produced by Zagorski, who operated a photographic studio in Leopoldville. It conveys the personal tastes and techniques for displaying photographs in elaborate picture frames made by Congolese artisans. Several of the objects are currently on

Acquisition Highlights

- During a visit to Bethlehem and Gemeinhaus, PA, CEROS staff surveyed portraits at the Moravian Museum, the Kemerer Museum of Decorative Arts, and the LeHigh University Art Galleries.
- CEROS staff surveyed various exhibitions of portraits, including portraits from the Winterthur Museum and the Smith College Museum of Art.
- The Wolfsonian-Florida International University in Miami and the University of Mississippi sent information concerning their portrait collections.

display in the *In and Out of Focus* exhibition, which has a large section devoted to Zagorski.

- 255 African postcards, 1900-1930, collected by Dutch scholar and writer Raymond Corbey, are a significant addition to EEPA's growing Postcard Collection. They depict scenes in Senegal, Algeria, Tunisia, and in central Africa among others.
- East Africa Photograph Album, ca. 1904-1919: This rare family album with 101 B&W photographic prints was compiled by the German merchant Paul Schaff, who lived and worked in German East Africa (now Tanzania). It contains images from Dar es Salam and Bukoba, photographs of Luo, Wagaia and Maasai peoples, and images of the German Schutztruppe. The album makes a fine addition to other albums in the Archives, covering an area from where there are few images in EEPA's collection.

Freer Gallery of Art and Arthur M. Sackler Gallery Archives

- Charles Leander Weed (1824–1903) photograph, *Fishing Village on Mississippi Bay - Near Yokohama 18*, of fishing village on Mississippi Bay, ca. 1866–67. This photograph is an important and rare example of Weed’s work in Japan and augments the collection of 15 mammoth images in the Henry and Nancy Rosin Collection of Early Photography of Japan.
- Charles Leander Weed photograph, *View near Yokohama*, of landscape, ca. 1866–67. Weed’s large images are the earliest known examples of photographs taken in Japan in this unusual format, making this print extremely rare.
- Linnaeus Tripe Photographs: Three albumenized salt prints on original mounts, 1856–1858, by Linnaeus Tripe (1822–1902). *Sculpture from Elliot Marble Group, India, pl. 9*, ca. 1858; *Indian sculpture with measuring device*, ca. 1858; *Idgah and Tomb at Ryakotta*, ca. 1856, on original mount. These three items complement the Archives collection of historical photographs. Prior to this acquisition, the Archives owned very few examples of salt print photography.
- Original sepia monochrome albumen print by Ueno Hikoma (Japanese, 1838–1904), captioned *Portrait of Samurai Official*, ca. 1864–1866. This formal portrait of a samurai official is among the earliest from the photographic portrait industry that had just begun to flourish in Japan. This item complements the Archives holdings in 19th century Japanese photography.
- The personal and professional papers of Asian art historian, educator, curator, and collector James Cahill (b. 1926). Correspondence files include communication with some of the most influential members of the Asian art community, including Richard M. Barnhart, Wen Fong, Shen Fu, Thomas

Lawton, Lothar Ledderose, Sherman Lee, Chu-tsing Li, John A. Pope, Alan Priest, Laurence Sickman, Osvald Siren, Alexander Soper, C.C. Wang, Fangyu Wang, and Nelson Wu. The correspondence files also contain letters exchanged with art organizations such as: the San Francisco Asian Art Museum, the Smithsonian Institution and the Freer Gallery of Art, the College Art Association, the Committee on Studies of Chinese Civilization, the National Palace Museum, and the Metropolitan Museum of Art. A prominent figure in the field of Asian art, James Cahill’s papers form a very important and valuable source of information for researchers studying the field of Asian art. The papers shed light on the profession of Asian art historians during the 20th century. The vast amount of correspondence with luminaries in the field, and the research included in his project files form an extremely valuable addition to the Archives’ collection. Additionally, as a former curator at the Freer Gallery of Art, Dr. Cahill’s papers shed a charming light on the history of the institution.

- Papers of A. W. Bahr (1877–1959), Chinese art dealer, ca. 1900–1957. Collection includes: biographical reminiscences; correspondence; notes; newspaper clippings; and approximately 312 photographs and 7 negatives, most depicting art objects. Highlights include descriptions of his role in the organization of an influential exhibition of Chinese ceramics in Shanghai (1908), and of his long-lasting friendship with Charles Lang Freer. The Bahr papers contain important information concerning the early twentieth-century history of western collecting of Chinese art in general and of Charles Lang Freer’s career as a pioneering western collector of Chinese art in particular. The papers complement the Archives most important collection, the Charles Lang Freer Papers.

- Papers of Pauline B. (1910-2000) and Myron S. Falk, Jr. (1905-1992), art collectors, ca. 1904-1998. Collection includes: biographical data; black-and-white and color prints of art objects and people; photo albums of art objects in the Falk's art collection; symposium papers, scholarly reviews, and newspaper articles on Chinese art; Professor Alfred Salmony's lecture notes, Metropolitan Museum; purchase invoices for Chinese art, Japanese art, and Korean art; photographs, receipts, itineraries, one seal, atlases, and journals relating to the Falk's various trips to Asia and Europe; personal correspondence and correspondence with art dealers; guest books from 17 East 66th Street, New York, and 888 Park

Avenue, New York, signed by guests from 1949-1997; committee papers; exhibition loan forms; Mr. Falk's notes about the collection and sale results from property consigned for sale; and four reels 16mm motion picture film taken during the Falk's 1935 trip to Asia. As documentary evidence, the papers provide contemporary and future researchers with insight into the buying and selling of Asian art during the 20th century and also into the lives and workings of two central figures in Asian art collecting in the United States during this era. The papers also offer documentation for items donated by the Falks in the Galleries' permanent collection.

Archives of American Gardens, HSD

- Seventy garden submissions, including 751 photographic images from members of the Garden Club of America. This garden documentation was added to AAG's Garden Club of America Collection which includes descriptive information and images of approximately 4,000 gardens, parks, and designed landscapes throughout the U.S. This material falls within the scope of the AAG Collecting Plan and adds to the extensive body of information already included in the archives on such topics as garden styles, design trends, garden ornamentation and furnishings, and land use.
- Over 500 35mm slides that document the many activities of the Horticulture Services Division were added to the Slide Library, which includes images of the gardens, interior plant displays, and garden furnishings and artifacts designed and/or maintained by HSD as well as both historic and contemporary horticultural subjects and sites.

- In response to the Horticulture Branch Library being combined with the Botany Branch Library in NMNH, SIL transferred custodianship of the W. Atlee Burpee Company Collection to the Archives of American Gardens since much of it consists of original archival material rather than published volumes. The Burpee Collection includes business and advertising records dating from the 1880-1960s for one of America's most well-known seed companies. The company's prominent role in testing and introducing hundreds of vegetable and flower varieties to farmers and hobbyists alike makes the collection an important addition to HSD's body of records that document historical and practical horticultural subjects.

Human Studies Film Archives, NMNH

- The edited films and outtakes of John Bishop, an important contemporary documentary/ethnographic filmmaker. HSFA already has the complete ethnographic film projects by John Bishop and anthropologist Naomi Bishop documenting Melemchi Village, a Sherpa village at the head of the Helembu Valley, Nepal, in 1986 and 1989. Edited titles include: *Himalayan Herders*, *Buckdancer*, *Georgia Sea Island Singers*, *Yonder Comes Day*, *Pizza Pizza Daddy-yo*, *Yoyo Man*, *Khmer Court Dance*, and *Hand Play*. The edited films and outtake film enhance the collections of cultural documentation by significant 20th century ethnographic and documentary filmmakers.
- The edited travelogues of the Linker family. The collection includes more than a half million feet of original 16mm motion picture footage and 150 edited travelogues made from the mid 1950-1970s. The Linker collection represents a style of popular travelogue that incorporates visual record footage of documentary value to current day researchers of historical and archaeological sites and cultural activities including ceremonies and dance from an astonishing broad spectrum of geographical travels over two decades. It augments the broader HSFA collections, which chart the continuum between popular forms of travelogue and research-based ethnographic films. The collection, which includes such films as *Four Faces of Siva*, *Pearl Divers of Japan* and *Adventures in Afghanistan*, was produced by independent filmmakers Hal Linker, Halla Linker-Aguirre, and their son, David Linker. Unlike earlier travelogue-lecturers who toured with and distributed their own films, the Linker family took travelogue filmmaking into the television age with broadcast series such as “Three Passports to

Adventure” and “The Wild, the Weird and the Wonderful,” which were syndicated in 45 American television markets.

- The edited amateur films and unedited footage of James W. Bruce. This collection of 16mm motion picture film and photographic slides was produced by Nomad Productions, an independent documentary film company formed by Mrs. Stevey Bruce, and her late husband James Bruce. Mr. Bruce had a particular interest in Melanesia and New Guinea, where he had conducted research into the “cargo cult” religious practices of the region. The Bruce Collection consists of over 80,000 feet of original outtake, master and print motion picture film materials, as well as photographic slides from film projects documenting the cultures and landscapes of such diverse geographical regions as Ethiopia, Nepal, Oceania and Greenland. The collection enhances the visual evidence of human diversity and cultural change already existing in the Oceania collections and adds areas under-represented in the HSFA collections such as Ethiopia and Greenland.
- Amateur footage of Dr. Guy W. Leadbetter, former orthopedic surgeon in Washington, D.C. Film footage captures Mayan archaeological sites (ca. 1937) being excavated under the supervision of well-known archaeologist Sylvanus Griswold Morley, Hopi dances (ca. 1939) and Penobscot dances in Maine (1932). Although a small collection, the footage contains important and relatively rare images of cultural activities of Northeast American Indians and visually documents history of Central American archaeology and archaeological sites.

National Air and Space Archives

- Betty Skelton Frankman (b. 1926) Collection consisting of four scrapbooks containing both photographs and newspaper clippings, and four document boxes of newspaper and magazine clippings chronicling her career. There are also a few oversized magazines, either containing articles about Skelton or showing advertisements in which she was featured. Soloing in an airplane at age 12, Skelton went on to hold more combined aviation and automotive records than anyone else in history. From 1948 to 1950, Ms. Skelton won three International Feminine Aerobatic Championships in her open-cockpit biplane, the Pitts Special Little Stinker, which is now part of the National Air and Space Museum Collection. In 1949 and 1951, Skelton also set the world light-plane altitude record. After her retirement from aviation, she worked with Chevrolet on the development of the Corvette. Skelton established records for Chevrolet behind the wheel of the Corvette and appeared at major auto shows, as well as in national ads and TV commercials. Among her automotive firsts, Skelton set the world land speed record for women four times, was the first woman to drive a jet car over 300 miles per hour, the first woman to drive an Indy 500 race car, and the first woman to become a test driver for the auto industry. In 1959, Skelton trained and tested with the original Mercury astronauts, even though women were eventually dropped from the program.

- George Conrad Schnitzer (1894 -1925) Collection: This collection consists of the following material relating to Schnitzer, Chief Radio Operator of the USS Shenandoah, and the 1925 crash of the USS Shenandoah: two 1925 newspaper articles; twelve photographs of the USS Shenandoah crew and its hangar; four letters written by Schnitzer to family members;

- and seven photo postcards, some hand-tinted, showing the USS Shenandoah, USS Los Angeles, and other related scenes.
- Leon D. "Bink" Brown Collection of 79 color slides, four color prints, and a videotape taken during Brown's time in the Pacific Theater in World War II. Brown spent 35 years as an aeronautical engineer working on various projects, including the Consolidated B-24 Liberator and the Atlas missile project with General Dynamics. He spent the last 18 months of World War II as a Technical Representative for Consolidated on the B-24, training pilots throughout the Pacific Theatre on mockup systems. During those 18 months he spent time in the Philippines and Australia and was in Okinawa during the Japanese surrender. The slide images consist of photographs of and taken by Brown and include various subjects including the B-32 Dominator and B-24 Liberator, and captured Japanese aircraft such as the Mitsubishi J2M Raiden. Also included are images of the 90th Bomb Group the "Jolly Rogers," and the 43rd Bomb Group B-24 Liberators "The Dragon and His Tail" and "It Ain't So Funny." Photographs were taken in Australia, Ie Shima during the Japanese surrender, New Guinea, and Subic Bay and Clark Field in the Philippines.

- Henry V. Borst Collection consisting of research material relating to the classic books *Fluid-Dynamic Lift: Information on Lift and its Derivatives in Air and in Water* (co-authored by Dr.-Ing. S. F. Hoerner and Henry V. Borst) and Borst's *The Aerodynamics of the Unconventional Air Vehicles of A. Lippisch*, and material relating to the donor's work with the Ames wind tunnel fan blades; and four films of the Curtiss-Wright X-19. Borst was the chief aerodynamicist for the Curtiss-Wright propeller division before he left to work for Boeing, ultimately becoming head of Henry Borst and Associates from 1970-2002. Among his significant propulsion

consulting jobs was his engineering design work on the fan blades for the Ames 40 x 80 wind tunnel.

- John A. O'Keefe Papers, mostly relating to his study of tektites, includes: correspondence, writings by O'Keefe and various authors, photographs, slides, notes, and reports. O'Keefe was a pioneer in space geodesy and planetary physics, but his passion was his long-time study of tektites. During World War II, O'Keefe was with the U.S. Army Corps of Engineers, where he spent 13 years heading the research and analysis branch. During his time with the Corps, O'Keefe made significant

contributions to geodesy, including his development of the present NATO map coordinate system (UTM) and his initiative to use satellite tracking for geodesy. In 1958, O'Keefe left the Army Map Service to become the assistant chief of the theoretical division at NASA's newly formed Goddard Space Flight Center in Greenbelt, MD. At Goddard, O'Keefe spent the remainder of this career focusing on the study of tektites and the origin of the moon. In 1976, O'Keefe authored the book, *Tektites and Their Origin*, in which he espouses his belief that tektites were ejected from volcanoes on the moon.

National Anthropological Archives, NMNH

- Papers of T. Aidan Cockburn (1912-1981), physical anthropologist, and the Archives of the Paleopathology Association which he founded along with his wife Eve Cockburn. The collection supports the department's research focus on exploring the relationship between human biological adaptation and cultural development.
- Papers of Frank Spencer (1941-1999), physical anthropology, Pittdown Hoax (1990), and History of Physical Anthropology - Hrdlicka (1982-1997).
- Papers of Glynn L. Isaac (1937-1985), physical anthropology. Isaac specialized in archaeological studies of early hominid adaptation. His major field work took place at Lake Natron in Tanzania, Olorgesailie, Naivasha/Nakuru, and Koobi Fora in Kenya. The collection supports the department's Human Origins Program.
- Papers of Linda Klug (born 1940) focus on cultural anthropology and linguistics, the Philippines and the Samas.

The collection supports the research interests of the department's Asian Culture and History Program.

- Fieldnotes of Simon Ottenberg relating to cultural anthropology and his work in Nigeria (1960) and among the Geechee community of Georgia (1950), Africa and the Diaspora. The collection supports the Department's research focus on understanding how human communities develop, maintain and transform their distinct cultural identities and traditions.
- Papers of Virginia Drew Watson (b. 1918) relating to cultural anthropology and her fieldwork on the Cayua of Brazil (1943) and the Gadsup, Agarabi, and Taiora of New Guinea(1954-5; 1963-4). The collection supports the department's research focus on understanding how human communities develop, maintain and transform their distinct cultural identities and traditions.

Smithsonian Institution Archives

- Papers of Silvio A. Bedini, historian and author; Curator in the Museum of History and Technology (MHT), Department of Mechanical and Civil Engineering; Assistant Director of MHT; Deputy Director of MHT; Keeper of the Rare Books at the Dibner Library; and Historian Emeritus, National Museum of American History. The material primarily includes Bedini's correspondence and memoranda with Smithsonian colleagues, scholars, professional organizations, publishers, and the general public documenting his research activities for special projects and publications. Also includes Bedini's publications; book reviews; research notes; photographs of scientific instruments, individuals, and exhibitions; copies of primary and secondary sources; and biographical information.
- An accretion to the papers of astrophysicist Riccardo Giacconi, who won the Nobel Prize for Physics in 2002. These papers include the professional papers of Riccardo Giacconi, mainly during his tenure as Director General of the European Southern Observatory.
- Final transfer of Freer Gallery of Art and Arthur M. Sackler Gallery institutional records from the Freer Archives. These records comprise 53 accessions, and represent all areas of Freer/Sackler administration, curatorial work, exhibitions and museum programs. The records also document the early history of the Freer and Sackler Galleries, including construction records, field expedition records, photographs, and other materials.
- Transferred records and productions created by Smithsonian Productions. These records comprise 53 accessions, and include materials documenting the planning, development and

creation of film and video shows produced by the office since the early 1970s. The records also include film and video elements of these productions.

- Curatorial records from the Department of Entomology, NMNH, documenting the activities of Karl V. Krombein (b. 1912), Chairman of the Department (1965-1971), and Senior Entomologist (1971-2000). The records encompass the scope of his career, from Cornell University, to the U.S. Department of Agriculture, to the U.S. Air Force Malaria Control Unit, to his tenure at the Smithsonian. Materials include correspondence, memoranda, photographs, audiotapes, and field notes.
- Curatorial records from the National Numismatic Collection, NMAH, documenting the activities of Vladimir Clain-Stefanelli and his wife, Elvira E. Clain-Stefanelli, and to a lesser extent Stuart M. Mosher, Richard G. Doty, and Coralee C. Gilliland. The records date back to when the National Numismatic Collection was known as the Division of Numismatics, and prior to 1947 when the collections were created and maintained by the Division of History. Material includes correspondence, memoranda, and notes pertaining to exhibition planning, inventory projects, coin and medal acquisitions, conferences, staff publications, care of numismatic collections, and annual reports; articles, news releases, and newspaper clippings about the Clain-Stefanelli's; contracts; scripts and floor plans for the Hall of Numismatics; exhibition brochures; photographs of the Clain-Stefanelli's at special events; information on medal programs; publications and lecture papers authored by the Clain-Stefanelli's; research and work progress reports; correspondence with organizations such as the American Numismatics Association, American

2002 Collection Statistics

Bankers Association, and the Federation Internationale de la Medaille; and awards presented to the Clain-Stefanelli's. Also included are records documenting the Josiah K. Lilly, Jr., Collection of gold coins and the Willis H. DuPont Collection of Russian coinage.

- Curatorial records documenting the various professional activities of David H. DeVorkin, Curator in the Department of Space Science and Exploration, later the Department of Space History and then the Division of Space History, National Air and Space Museum. Materials include files related to reorganization of the museum and department and the search for a new chairman, correspondence, memoranda, reports, notes, fellowship evaluations and work products, policy and planning documents, grant proposals, scripts and script approval coversheets, satellite images, interview transcripts, brochures, and exhibition materials.

Acquisition Highlights

- The Oral History Program acquired three collections of note: History of the Conservation and Research Center Oral History Interviews of J. Eisenberg, E. Maliniak, T. H. Reed, and K. Stager, by Christian Wemmer, documenting the history of the Conservation and Research Center of the National Zoological Park, 7 hours of audiotape.
Philip K. Lundeberg Oral History Interviews, documenting the history of the National Museum of American History, 5 hours of audiotape.
Alfred C. Glassell, Jr., Oral History Interviews by Judith Terry Smith and Clyde F. E. Roper, documenting the history of the National Museum of Natural History, 2.5 hours of audiotape.

LIBRARY ACQUISITION HIGHLIGHTS

Smithsonian Institution Libraries

In the past year, SIL made two significant acquisitions to strengthen and enhance premier collections in the History of Science and in the History of Natural History Museums.

- *Acta eruditorum* Leipzig: 1682-1731. The Dibner Library has now collected all of the works listed as being in Bern Dibner's *Heralds of Science*. The last piece of the puzzle was Herald 109, Leibniz's 1684 article in the journal *Acta eruditorum* on the invention of the differential calculus. The completion of the *Heralds* collection will enable the Dibner Library to properly celebrate in 2005 the 50th anniversary of the publication of Bern Dibner's *Heralds of Science*.
- Michael Bernhard Valentini, 1657-1729. *Museum museorum* (1704-1714), Frankfurt am Main: 1704-1714. Considered by many to be the single most valuable primary work in the study of early scientific collections the book describes Valentini's collection and lists all known natural history collections with reprints of their catalogs. The *Museum* builds on SIL's collection of early natural history museum books.

SIL was also fortunate to add many other significant titles. The following is only a small sample.

- Johann Eleret Bode, 1747-1826. *Von dem neu entdeckten Planeten*. Berlin and Leipzig, 1784. This book is the earliest detailed account of and the first edition in which Bode gave the name "Uranus" to the newly discovered planet that William Herschel had first observed on March 13, 1781.
- Giuseppe Ceredi, *Tre discorsi sopra il modo d'alzar acque da' luoghi bassi*. Parma: 1567. The first and only edition of this

rare and important Renaissance work on mechanics and hydraulics. It appears to be one of the earliest books on the subject.

- Alfred Dinsdale. *Television*. London: 1926. John Logie Baird was eventually able to transmit fully lit images in 1926 before a group of scientists from the Royal Institution. Baird's success prompted Alfred Dinsdale to publish a book detailing the historical development of television. The work, *Television*, was the first book on the subject. Dinsdale went on to become editor of the British *Television* magazine which he founded in 1928.
- François-Joseph Lestiboudois, *Botanographie belgeque*. Lille: 1781. First Belgian flora, by an early proponent of the Linnean system, significant also for use of graphical keys for plant identification. Hand-colored, possibly a presentation copy.
- Jean-Baptiste Lestiboudois, *Abrégé é lé mentaire de botanique*. Lille: 1774. The father of François-Joseph, above, the author prepared a textbook for students that combines plant classification systems of Linnaeus and Tournefort.
- Giuseppe Piazzi, 1746-1826. *Della scoperta del nuovo pianeta Cerere Ferdinandea, ottavo tra i primarj del nostro sistema solare*. Palermo: 1802. The second of Piazzi's two publications (and the most important for research purposes) relating to the discovery of the minor planet Ceres and the work in which he names the planet.

- High Rose. *Elements of botany*. London: 1775. The first, and so far the only, translation into English of Linnaeus's classic treatise the *Philosophia botanica* (Stockholm, 1751), setting out the philosophical bases of Linnaeus's classification system.
- Vincenzo Viviani 1622-1703. *De Maximus, et minimus geometrica diuinatio in quintum Conicorum Apollonii Pergaei adhuc desideratum*. Florence: 1659. The *De maximis et minimis* copy is a first edition and a splendid copy of the author's first book in which Viviani attempted a reconstruction of the important fifth book of Apollonius' *Conics*.
- Zoological Society of London. *List of the animals in the gardens of the Zoological Society*. London: 1833. 11th edition. SIL is adding to existing holdings of the title, showing the history of importation of exotic animals.

- The estate David Kingery, University of Arizona researcher, donated 57 boxes of gift books for the Museum Support Center Branch. Dr. Kingery was associated with the MSC for many years.
- 50 boxes of materials on Andean culture were received from a Catholic University of America Anthropology professor. SIL is working with the NMAI Cultural Resource Center collections management staff to process the materials.

QUESTIONNAIRE



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