

Personnel Changes

Promoted

- Marcia Adams, Director's Office (acting)
- Angel Aguirre, STRI Library
- Ninete Axelson-Dean, Cataloging
- John Dick, Acquisitions
- Ronald Brashear, Dibner Library
- Regina Green, Cataloging
- Michael Hardy, SIL Annex
- Sharon Layne, Preservation Services
- Ronald Lindsey, NMNH Library
- Elizabeth Missell, Systems Office (acting)
- Jody Mussoff, Cataloging

- Martha Rosen, NMNH Library
- Jane Sanchez, NMAH Library
- Joyce Swayne, Acquisitions
- Keri Thompson, Systems Office
- Kirsten Van Der Veen, Dibner Library
- Amy Watson, HMSG Library
- Maryann Wilson, NMAH Library
- Conrad Ziyad, New Media Office

Joined

- Jennifer Cohlman, CHM Library
- Karen Sosa, Preservation Services
- Kathleen Hill, Administrative Services

Moved

- Barbara Insidiosio from AA/PG to Preservation Services
- Susan Frampton from Preservation Services to Program Coordinator, Director's Office
- Michael Hardy from NMAH to SIL Annex

Retired

- Gladys Tutt, Preservation Services
- Larry Baukin, MSC Library
- Nick Schliapin, Cataloging

Departed

- Rachael Penniman, Preservation Services
- Dale Miller, Director's Office

credits

Cover: All images from **Augustus A. Gould**. *Mollusca & shells*. **Charles Wilkes**. *Narrative of the United States exploring expedition. During the years 1838, 1839, 1840, 1841, 1842*. 5 volumes, atlas. Philadelphia, 1844.

Page 2: Photos by Gwen Leighty.
Page 3 (clockwise, L to R): **A. Ségu**y. *Papillons (Butterflies)*. [Paris, about 1925]. **Louis Térés**. *Wilbur Wright March*. Paris, 1908. **A. (Alfred) Hildebrandt**. *Brüder Wright; eine Studie über die Entwicklung der Flugmaschine von Lilienthal bis Wright (The Wright Brothers)*. Berlin, 1909. **Georges Besancon**. "La machine volante des frères Wright." *L'Aerophile*. Paris, 1904.

Page 4: Nathaniel Philbrick, photograph by James DiLoreto. All images from **Charles Wilkes**. *Narrative of the United States exploring expedition. During the years 1838, 1839, 1840, 1841, 1842*. 5 volumes, atlas. Philadelphia, 1844.

Page 5: Transit of Venus photograph by Bob Kearns. **Farrell-Cheek Steel Co**. *Finest Steel Circular Products for Industry*. Sandusky, Ohio: 1940s. **Ericsson LM**. *Can Efficiency be Measured?* Stockholm: 1946.

Page 6: All images from **Walter Rothschild**. "Himantopus knudseni, Stejn. Adult and Pullus." *The Avifauna of Laysan and the neighbouring islands with a complete history to date of the birds of the Hawaiian possession*. London, 1893-1900.

Page 7: All images from **Edward R. Alston**. "Didephis Derbiana," Tab. 22. *Mammalia (1879-1882)*. *Biologia centrali-americana*, edited by Frederick DuCane Godman and Osbert Salvin. London, 1879-1915. Dr. Frederick M. Bayer & Leslie Overstreet, photograph by Nancy E. Gwinn.

editor: Robert Kearns
design: Elizabeth Periale

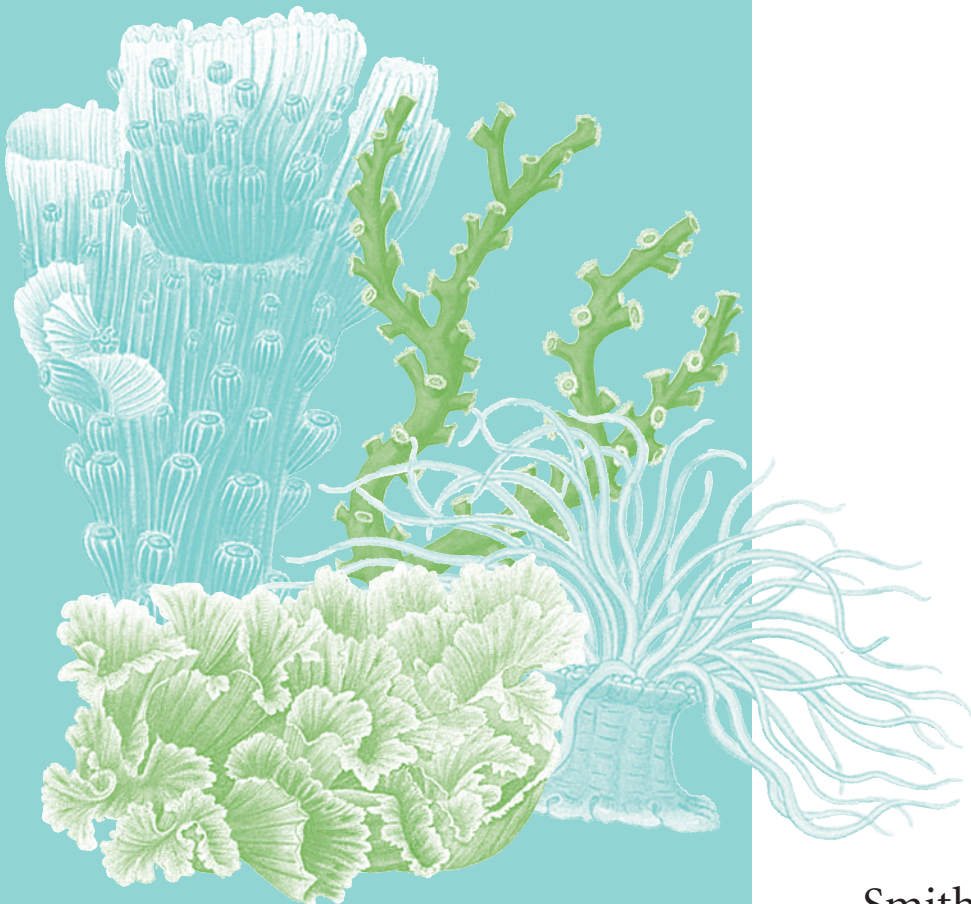


Smithsonian Institution Libraries

Washington, DC 20013-7012

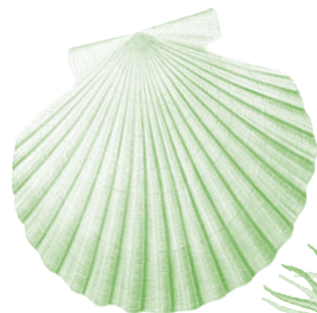
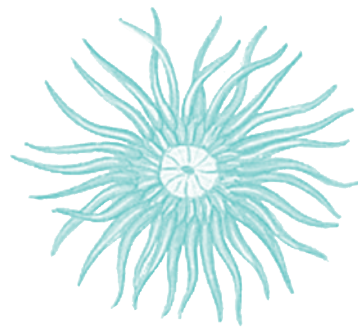
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2004

annual report



Smithsonian Institution Libraries

from the director

In 2004 I celebrated my 20th year with the Smithsonian Institution Libraries, a cause for reflection on the transformation that has taken place in the way that we do business and serve our multiple constituencies. In 1984 we had just begun to implement an automated cataloging system; now our records are on the Internet. Then we served mostly Smithsonian staff; now we reach millions of others with a diverse selection of digital books and collections, online exhibitions, webcasts of lectures, and other offerings. In a spring survey to determine if SIL was meeting its users' expectations, Smithsonian staff gave the Libraries high marks for service. We must be doing something right.

Streamlining was also a cornerstone of 2004. SIL completed the two-year study of work efficiency in acquisitions, cataloging, preservation, and interlibrary loan and began actions that promise to move library materials to the shelves more quickly. The "checking-in" of journal issues for over 3,000 current subscriptions is now completely automated, so that any user can see whether a specific issue has been received. This is a great achievement and time-saver.

Educational programming expanded greatly with the help of the National Aeronautics and Space Administration, which funded six lectures to accompany SIL's exhibition about the transits of Venus. SIL also hosted/gave another twelve lectures, produced a teacher's guide on the transits of Venus, led 117 tours, and hosted a School Librarians and Media Specialists Night.

The generosity of donor/collectors is crucial to our ability to provide Smithsonian scientists and curators with necessary items. One of these is Dr. Frederick M. Bayer, a zoologist emeritus with the National Museum of Natural History and a shy bibliophile (see page 7.) Dr. Bayer's donation of more than 100 rare natural history volumes ensures that these beautifully illustrated folios and vital scientific works will be used for generations. Printed works on paper and digital offerings now co-exist side-by-side: one offers global access, the other assures endurance, and both feed our hearts and intellects.

Our family of donors and supporters enlarges year-by-year, for which we remain truly grateful. Your confidence in our programs and activities-and our staff-inspire us to persevere to provide trustworthy, credible information and resources to our many users.

We thank you.

Nancy E. Gwinn

SI Libraries Board Journeys to STRI

On February 13-18, the Libraries escorted six members of the SIL Board and their spouses to the Smithsonian Tropical Research Institute (STRI) for an overview of the Smithsonian's tropical biology research and the support it receives from the STRI Library. Participants engaged in exciting experiences, including visits with STRI scientists in the Gamboa, Barro Colorado Island, Panama City and Bocas del Toro research stations. The opportunity to ascend to the top of the forest canopy in Panama City's Parque Metropolitano in STRI's research-oriented construction crane was a special treat. Board members were impressed with STRI and pledged additional support to the STRI Library as a result of the trip.



From top:
Hope Furth,
Rosemary
Ripley & Baxter
Ripley enjoy
the view;
Diane Oksanen-
Gooden &
C. Michael
Gooden

SI Libraries Board

Rosemary L. Ripley, Chair
Frank J. Quirk, Vice-Chair

Julianne K. Bailey
Mary C. Falvey
Jay W. Freedman
Hope L. Furth
C. Michael Gooden
Brian J. Heidtke

George G. Hill
Margery F. Masinter
Judith M. Moore
Emmett E. (Jay) Stobbs
Beatrice E. Taylor
Anton R. Valukas



Largest Digital Edition Produced: Electronic *Biologia Centrali-Americana*

On June 7, SIL launched its largest digital edition, the Electronic *Biologia Centrali-Americana* (EBCA), the first step in a major collaborative project with the National Museum of Natural History (NMNH) and the Natural History Museum, (London).

Biologia Centrali-Americana, issued between 1879 and 1915, is a fundamental work for the study of neotropical flora and fauna and includes nearly everything known about the biological diversity of Mexico and Central America at the time of publication. Funding for the project, which involved scanning, designing, and mounting 58 volumes, came from the Smithsonian's Atherton Seidell Endowment in 2002. The text was rekeyed into a newly developed record format so that its important contents could be linked to major bioinformatics databases in use by biologists and conservationists throughout the world.

The Electronic *Biologia Centrali-Americana* may be viewed at: <http://www.sil.si.edu/digitalcollections/bca/>

Notable Acquisitions

Retired Natural History Museum zoologist Dr. Frederick M. Bayer donated to the Smithsonian Libraries an extraordinary collection of rare natural history books dating from the 1500s. The collection is housed in the Joseph F. Cullman 3rd Library of Natural History. Volumes include James D. Dana's *Zoophytes* (Philadelphia, 1846-1849), one of the scientific reports of the U.S. Exploring Expedition, 1838-1842, led by Lieutenant Charles Wilkes. Wilkes' personal copy was purchased by Dr. Bayer from Wilkes' descendants. Other titles of note include: the magnificent natural-history atlases of Napoleon's expedition into Egypt; and the *Natural Historie* of C. Plinius Secundus, translated into English by Philemon Holland. London (1634-1635).



**Dr. Frederick M. Bayer
& Leslie Overstreet**

The Libraries in 2004

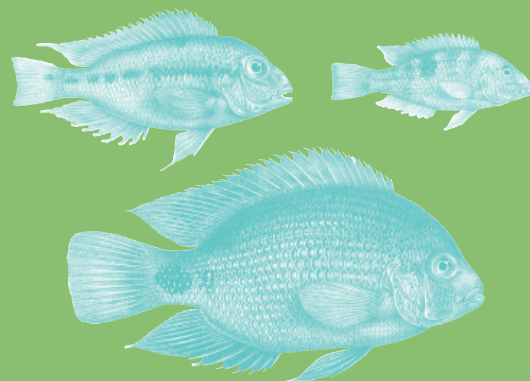
20	Branch Libraries
111	Number of staff
19,824	Volumes added to collection
1,530,810	Total volumes held
190,214	Microfilm & -fiche items
6,692	Journal subscriptions (3,438 gifts)
1,510	E (electronic) Titles
4,482	Monograph orders prepared
12,908	Gift volumes selected for collection
1,254	Volumes bound or boxed
707,052	Catalog records in SIRIS

Galaxy of Knowledge

42,366	Images of collections added to website
72,525	Total collection images

Information Service

73,214	Reference questions answered (up 62%)
31,616	Library materials consulted on-site
261,255	Circulation transactions (items checked in or out or renewed)
35,511	First-time borrows of items
7,124	Non-Smithsonian Library researchers
8,621	Interlibrary loans of books and articles
3,646	Books and articles borrowed for SI



Serial Check-in Project

In 2004 the Libraries replaced its manual check-in procedures for journals with an automated system. Now, library staff can show directly in the Libraries online catalog that a journal issue has arrived, so any user, no matter where located, can see it immediately. Before this, every branch library kept a written record locally. By the end of the year the Libraries had created over 4,000 automated serial check-in records in SIRIS.

Research

SIL's Resident Scholar Program gives new and established scholars the opportunity to use the Libraries' unique rare and special collections to further their research. This year's scholars pursued a variety of interests.

Dibner Library Resident Scholars 2004

Daniele Cozzoli, Ph.D. candidate, Department of Philosophical and Epistemological Studies of the University of Rome "La Sapienza" - "Optics and Scientific Method in Britain from Hobbes to Newton."

Dr. Cibelle Celestino Silva, postdoctoral fellow, Group of History and Theory of Science of the Gleb Wataghin Physics Institute of the State University of Campinas, Brazil - "Unraveling the Hidden Electrical Fluids: The Debate Between Nollet, Dutour, and Franklin."

Michael E. Chauvin, director of the Hawaiian Skies program "Before Mauna Kea: Astronomy in Hawaii in the 19th-century." He received an M.Phil. from the Department of the History and Philosophy of Science at Cambridge University in 1988.

<http://www.sil.si.edu/Libraries/Dibner/dibnerscholars.htm>

Baird Society Resident Scholars 2004

Matthew T. Sneddon, Ph.D. candidate in the Department of History at the University of Washington - "Exhibiting Real America: History and Heritage in Museums of Science, Technology, and Industry."

Shirley Teresa Wajda, Assistant Professor of History and American Studies at Kent State University - "The Fennells Build Their Dream House: Furnishing Family in 1930s America."

<http://www.sil.si.edu/ResearchIntern/BairdScholars.htm>

U.S. Exploring Expedition Featured

With approximately 300 people in attendance on January 21, SIL celebrated the launch of a website featuring digital versions of all 32 volumes resulting from the U.S. Exploring Expedition. The U.S.ExEx, as it is popularly known, sailed from 1838 to 1842 under the command of Lt. Charles Wilkes. The expedition ships carried back more than 4,000 zoological specimens, thousands of ethnographical artifacts, and quantities of gems, fossils, corals, and botanical specimens, most of which were transferred to the new Smithsonian Institution in the 1850s and form the core of the Institution's natural history collections.



The main event of the evening, which was co-sponsored by the National Museum of Natural History, was an illustrated lecture by Nathaniel Philbrick, author of *Sea of Glory: America's Voyage of Discovery; the United States Exploring Expedition 1838-1842* (Viking, 2003.) Philbrick captured the essence of the voyage and personality of its mercurial leader and argued that the expedition had more impact on the shaping of American science than the more celebrated Lewis and Clark Expedition.

The U.S.ExEx website contains nearly 15,000 page and plate images, which required over 32,000 image files and 14.7 gigabytes of storage. It is possible to start with the title page and read all the way to the end. SIL has also created several searchable databases from the text that include databases of the plates and other illustrations, a database of all the officers and men who served on the expedition, and a database of over 2100 cultural artifacts collected during the Expedition.

Libraries Introduces Program Webcast

Nathaniel Philbrick's 2004 lecture was the Libraries' first live webcast. Now there are many more interesting and informative lectures to enjoy from our growing archive of streaming videos:

- Nathaniel Philbrick. *Sea of Glory: America's Voyage of Discovery. The U. S. Exploring Expedition 1838-1842.*
- Wilbur Applebaum. *The First Observation of a Transit of Venus.*
- Richard Fisher. *Endeavour's Wake: Captain Cook and the Transit of Venus.*
- Steven J. Dick. *The American Expeditions of 1874 and 1882.*
- Jay M. Pasachoff. *Solution of the Black-drop Mystery.*
- David DeVorkin. *Public Reaction to the Transit of Venus, 1882.*
- Michael Chauvin. *Between Captain Cook and Mauna Kea: The 1874 Transit of Venus Expedition to Hawaii.*

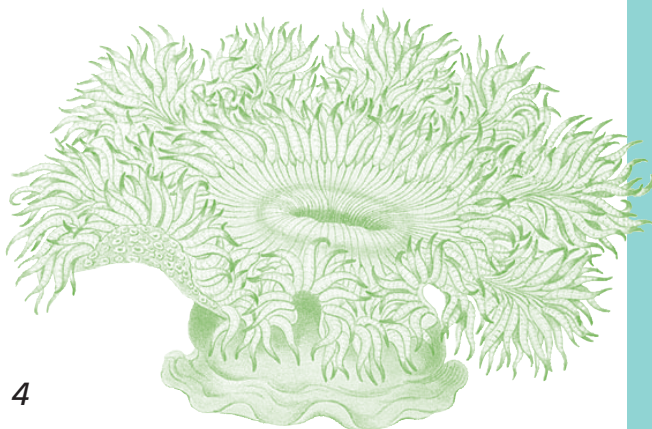
These lectures can be found at the following internet address:
<http://smithsonian.tv/programs/sil/>



Nathaniel Philbrick



Charles Wilkes



Public Programs Reach Diverse Audiences

- October 3, 2003
SI Teacher's Night
- October 4, 2003
National Book Festival booth
- November 5, 2003
Ken Alder, *The Measure of the World*, Dibner Library Lecture
- November 6, 2003
School Librarians & Media Specialists Night in conjunction with *Odyssey in Print* exhibition
- December 3, 2003
Henry Petroski lecture, *Perfect Posture for Your Books*
- January 21, 2004
Gala reception to launch U.S. Exploring Expedition website, with Nathaniel Philbrick, author of *In the Heart of the Sea, Sea of Glory*
- March 23, 2004
Chasing Venus exhibition opens
- April 8, 2004
Wilbur Applebaum lecture, *The First Observation of a Transit of Venus*
- April 22, 2004
Richard Fisher lecture, *Endeavour's Wake: Captain Cook and the Transit of Venus*
- April 28, 2004
Fifth Annual Spencer Baird Society Benefactors Dinner featuring Dava Sobel, author of *Galileo's Daughter, Longitude*
- May 6, 2004
Steven J. Dick lecture, *The American Expeditions of 1874 and 1882*
- May 20, 2004
Jay M. Pasachoff lecture, *Solution of the Black-drop Mystery*
- June 3, 2004
David DeVorkin lecture, *Public Reaction to the Transit of Venus, 1882*
- June 20, 2004
Michael Chauvin lecture, *Between Captain Cook and Mauna Kea: The 1874 Transit of Venus Expedition to Hawaii*

Chasing Venus: Observing the Transits of Venus 1631 - 2004

On March 23, 2004, SIL opened an exhibition celebrating the history of scientific interest in observing the transit of Venus. World-wide interest focused on June 8, 2004, when a transit of Venus was to occur, the first since 1882. Measuring the transits of Venus from different observation points was initially important to help astronomers measure the distance from the earth to the sun.

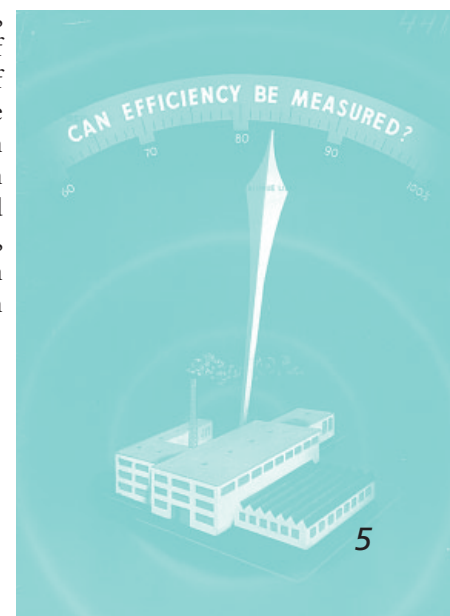
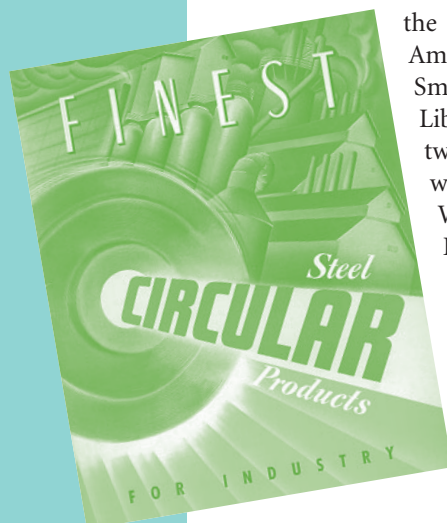
At 6:00 a.m. on June 8, 2004, SIL hosted a small group of 35 people on the roof of the National Museum of American History (NMAH) to view the phenomenon. The company included Smithsonian Institution Undersecretary for Science David Evans, Libraries Board members, NMAH staff and guests. Staff of the National Air & Space Museum brought telescopes for the viewing, which received excellent press coverage, with stories in the *Washington Post* and *New York Times* and a broadcast on CNN.



Viewing the transit of Venus on the roof of the National Museum of American History

Doodles, Drafts & Designs: Industrial Drawings from the Smithsonian

The Smithsonian Institution Traveling Exhibition Service organized a traveling exhibition developed by the Smithsonian's National Museum of American History, Behring Center, from the collections of the National Museum of American History and the Smithsonian Institution Libraries. It appeared in two venues in 2004 and was at The Octagon, Washington, D.C., from December 2004 through May 2005.



collections

Endowments

- Jean Axelrod Endowment (acquisitions)**
- Bailey Family Endowment (unrestricted)**
- Frederick M. Bayer Endowment for Natural History Acquisitions*
- Bruce Collette Fishes Acquisitions Fund*
- Cooper Hewitt, National Design Museum Acquisitions Fund (Margery & Edgar Masinter)
- Joseph F. Cullman 3rd Endowment for the Natural History Rare Book Library
- Joseph F. Cullman 3rd Endowment for the Preservation of Natural History Rare Books
- C. Michael Gooden & Diane Oksanen Gooden Endowment (unrestricted)**
- Nancy E. Gwinn & John Y. Cole Endowment (intern program)**
- Brian J. and Darlene Heidtke Preservation Endowment**
- Alice Kennington Rare Book Fund
- The Margery and Edgar Masinter Fund for the Acquisition and Preservation of Illustrated Books**



- Frank J. and Betty M. Quirk Libraries Endowment (technology)**
- S. Dillon Ripley Library Endowment (acquisitions)**
- Smithsonian Institution Libraries Endowment Fund for Serials Acquisition and Preservation**
- Smithsonian Institution Libraries General Support Endowment
- Smithsonian Institution Libraries Special Collections Endowment
- Lloyd and Charlotte Wineland Library Endowment for Native American and Western Exploration Literature

*New endowments for 2004

**Additions made in 2004

Donors (October 1, 2003 - September 30, 2004)

\$50,000 or more

- Brian J. & Darlene Heidtke

\$25,000 - \$49,999

- Frederick M. Bayer
- The Dibner Fund
- Peter Gruber Foundation
- Margery & Edgar M. Masinter
- National Aeronautics & Space Administration

\$10,000 - \$24,999

- Jay W. & Linda Freedman
- Hope L. & John L. Furth
- Frank J. & Betty Quirk

\$5,000 - \$9,999

- Apex CoVantage
- Cambridge Information Group
- C. Michael Gooden & Diane Oksanen-Gooden
- Nancy E. Gwinn & John Y. Cole
- George Gwynn & Christine Cox Hill
- Innodata-Isogen Inc
- James M. Kemper, Jr.
- Harold F. Lenfest
- MCG Capital
- ProQuest Information & Learning
- Shelby Shapiro
- F. Christian & Betty Thompson
- Frederick M. Young, Jr.

\$2,500 - \$4,999

- Juliane K. & Robert D. Bailey
- Jere & Bonnie Broh-Kahn
- Rosemary Livingston Ripley
- Janet L. Stanley

- Emmett E. Stobbs & M.J. Hall

\$1,000 - \$2,499

- Porter G. Dawson
- E. DeRosa
- David & Frances Dibner
- Eric & Harriet Fraunfelder
- Elizabeth W. Gwinn
- John F. Jameson
- Alan R. Kabat
- William K. & Alice Konze
- Abraham Krasnoff
- Richard Levy & Lorraine Gallard
- James F. Mrazek
- Howard Phipps, Jr.
- James E. & Faye Preston
- Patrick M. Raher
- Joseph R. Salcetti
- Ruth O. Selig
- Albert H. Small
- Allan J. & Kim Stypeck
- Harold G. Walsh

\$500 - \$999

- Elizabeth Carlson Dahlin
- Richard M. & Peggy Danziger
- Marilyn Friedman
- Michelle Kahn
- Shana Kaplan
- Marian S. MacIntyre
- Brian H. Mason
- William A. Oliver
- Cynthia Van Allen Schaffner
- V. R. Thiessen
- Mary Augusta & George D. Thomas
- Richard & Suzanne Willett

\$100 - \$499

- D. Albrecht
- J. and C. Berghoffen
- Brenda Carlile
- Jeannine S. Clark
- C. Cortegiano
- Mary Lou Cowden
- H. Rebecca Cutting
- Scott Defrin
- Florence Duhl
- Cary J. Frieze
- Vicki A. Funk
- Heather H. Georges
- Susan Hermanos
- M. A. Hunting
- R. Hyman
- Barbara Laux
- Margaret B. LeFever
- Edith MacGuire
- Betty Jane Miller
- James A. Painter
- Elizabeth Pitts
- M. Piznar
- D. Powell
- Erle J. Rappaport
- Benjamin T. Richards
- Russell Shank
- Stanwyn G. Shetler
- Barbara J. Smith
- Frances Smyth
- Leslie O. Sykes
- J. G. Taylor



New Content Appears on Galaxy Website in 2004

SIL's public website, *Galaxy of Knowledge*, added rare books, exhibitions, and many images from its collections during 2004. Chief among them were 58 volumes of the *Biologia Centrali Americana*, which is already helping biologists in Central America and elsewhere.

Digital Collections

- *Incunabula in the Dibner Library of the History of Science and Technology*
<http://www.sil.si.edu/digitalcollections/incunabula>
- *United States Exploring Expedition*
<http://www.sil.si.edu/digitalcollections/usexex>

Digital Editions

- Walter Rothschild.
Avifauna of Laysan and the neighbouring islands with a complete history to date of the birds of the Hawaiian possession.
<http://www.sil.si.edu/digitalcollections/nhrarebooks/rothschild>
- Frederick D. Godman and Osbert Salvin (eds.).
Biologia Centrali-Americana.
<http://www.sil.si.edu/DigitalCollections/bca>
- Grace Rogers Cooper.
Sewing Machine: Its Invention and Development.
<http://www.sil.si.edu/digitalcollections/hst/cooper>

Digital Publication

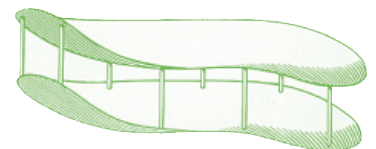
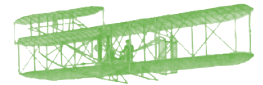
- Paul K. McCutcheon and Herbert A. Trenchard.
Grinnell Hawaiian Missionary Stamps.
<http://www.sil.si.edu/silpublications/grinnell>

Online Exhibitions

- *Chasing Venus: Observing the Transits of Venus 1631-2004.*
<http://www.sil.si.edu/exhibitions/chasing-venus>
- *Doodles, Drafts & Designs: Industrial Drawings from the Smithsonian.*
<http://www.sil.si.edu/exhibitions/doodles>

SIL On Display

- Stephen H. Van Dyk.
Czech Book Covers of the 1920's and 1930's in the Cooper-Hewitt National Design Museum Library.
<http://www.sil.si.edu/ondisplay/czechbooks>
- *Vibrant Visions: Pochoir Prints in the Cooper-Hewitt, National Design Museum Library.*
<http://www.sil.si.edu/ondisplay/pochoir>
- Joy Kiser.
Illustrations of the Nests and Eggs of Birds of Ohio.
<http://www.sil.si.edu/ondisplay/nestsandeggs>
- Martin R. Kalfatovic.
Nile Notes of a Howadji: American Travelers in Egypt, 1837-1903.
<http://www.sil.si.edu/ondisplay/nile-notes>
- Ronald Brashear.
Ramelli's Machines: Original drawings of 16th century machines.
<http://www.sil.si.edu/ondisplay/ramelli>
- Paul K. McCutcheon.
Parcel Post: Delivery of Dreams.
<http://www.sil.si.edu/ondisplay/parcelpost>
- Paul K. McCutcheon and William E. Baxter.
Taking to the Skies: The Wright Brothers & the Birth of Aviation.
<http://www.sil.si.edu/ondisplay/flight>



Galaxy of Knowledge Scores Record Numbers

The Libraries website had record numbers of hits and visitors in 2004.

In January 2004, Galaxy recorded 4,871,005 hits and in April 2004, the website made another record with 176,251 individual users.

The total hits for fiscal year 2004 was 43,516,370, with individual users totalling 1,814,059.

The average hits for fiscal year 2004 was 3,626,364 per month, with individual users averaging 151,172 per month.

SIL added 42,366 images to the website.

