

Library of Congress  
Preservation Directorate  
**ANNUAL REPORT**  
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# Preservation Directorate ANNUAL REPORT

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## Highlights

### New Chiefs Hired

During the first half of fiscal 2006, the Directorate hired new chiefs for three divisions: Dr. Nels Olson for Preservation Research and Testing, Diane Vogt-O'Connor for Conservation, and Jeanne Drewes for Bindings and Collections Care Divisions.

Dr. Olson comes from the biotechnology field, having been Staff Scientist at Molecular Dynamics and Senior Staff Scientist and Associate Director for Systems Analysis and Integration at Illumina, overseeing forensic analysis, quality assurance, and research and development. He was an engineer before obtaining his doctorate in organic synthesis and analytical chemistry, and following that he was a Fulbright fellow and worked on preservation projects abroad. He has authored several patents.

Ms. Vogt-O'Connor previously oversaw conservation of special collections at the National Archives and Records Administration, the National Park Service and the Smithsonian Institution. She co-founded "School for Scanning" and authored several works on preservation, as well as over two-dozen *Conserv-o-Grams* on topics including photographic materials, rare books and digital projects. She holds two double masters degrees, in Library Science and Archives, and in Art History and Museology.

Ms. Drewes formerly supervised preservation programs at Michigan State University and Johns Hopkins University. She has prepared many publications and presentations on binding and collections care, including standards, trends in alkaline paper, risk management, disaster training, and digital preservation. She holds a masters degree in Library Science. In 1994, she was awarded a preservation internship by the Mellon Foundation.

### Laboratory Upgrades

The Preservation Directorate is now positioned to provide increased leadership to libraries, strengthened by Library Service's (LS) new strategic plan to develop a National Preservation Strategy that identifies LC's responsibilities, including LC's role in disaster response and recovery efforts, as well as by a one-time investment of \$2 million to upgrade 25 year old equipment in the Preservation Research and Testing Division (PRTD). PRTD's 5-year equipment plan has been accelerated into one year, enabling the lab to be the research leader for the 21<sup>st</sup> century for traditional, audio-visual and digital collections, by increasing its capabilities to identify new materials, develop new techniques and set new standards. For example, PRTD will be able to:

- Create unique and complete spectral "finger prints" of top treasures, including the Waldseemüller Map, using a full spectrum of light (ultraviolet, visible and infrared), in order to monitor changes in condition faster and more accurately.
- Identify quickly and precisely materials and decomposition mechanisms of magnetic media, in order to diagnose relative states of decay and develop selection criteria critical to decisions determining what must be reformatted before all is lost.
- Evaluate failure mechanisms of new digital storage systems, such as spinning disks or holographs, by identifying metal-catalyzed deterioration at the nuclear level rather than at a macro level.
- Evaluate new production prototypes for scanning vulnerable sound recordings, such as warped or dirty phonographs or cylinders, which previously had to be played with a stylus that could damage the recordings further.
- Mimic degradation caused by temperature and relative humidity on collection material at a microscopic level in an environmental scanning electron microscope, enabling, for instance, the establishment of precise, international guidelines for cold storage (which are currently not uniform) in order to improve environmental control standards.
- Analyze collections non-destructively, and in real time, without taking samples from items, distinguishing, for instance, between acetate and nitrate film in 3 seconds rather than 30 minutes, since sample preparation won't be required.
- Examine collections in situ using X-ray fluorescence equipment portable enough to carry into storage areas, thereby reducing the risk of transferring collections or making them temporarily unavailable for use.
- Reduce the time needed for accelerated aging from 30 days to 3 days, thus gaining a 10-fold increase in efficiency for longevity and durability testing.
- Take and analyze air samples, in order to identify pollutants or other contaminants instantly.

- Attract leading scientists from many disciplines to join the Library in developing, testing, publishing and advocating innovative solutions to collections care, stabilization, storage and other emerging challenges for all stewards of cultural heritage, by providing space and equipment needed to accommodate such scientists.

### **Stats Summary**

In fiscal 2006, the Preservation Directorate completed over 10,471,000 assessments, treatments, rehousings, and reformatting for books, paper, photographs, audio-visual and other items, including Chinese rubbings and George Washington's obituary. Through the coordinated efforts of the Directorate's divisions and programs, over 7,685,000 items have been repaired, mass deacidified, or microfilmed or otherwise reformatted. This represents an increase of 7.6% over fiscal 2005.

### **IFLA PAC Center Initiatives**

The Directorate worked with the Bibliothèque nationale de France, the International Federation of Library Associations (IFLA), and the IFLA Preservation and Conservation (PAC) Section to develop a special symposium on "The 3-D's of Preservation: Disasters, Displays, Digitization," and presented a paper on exhibition preservation policy and practice. The symposium noted that recent *disasters* around the world have highlighted the need for better planning and preparation to ensure survival of library collections and cultural materials; increasing numbers of exhibitions of library and archival materials point to the need for standards and best practices to make certain *displayed* items are not damaged; and *digitization* of materials is increasing around the world, yet the status of preservation of digitized files remains unknown.

In its role as the Regional Center for Preservation and Conservation for IFLA in North America, the Directorate also hosted IFLA PAC members representing a dozen major libraries and archives in the United States and Canada at LC at a two-day program on, first, "Capturing Katrina: Collections-Recovery Experiences: Oral Histories," of first "preservers," and, second, "Future Directions in Safeguarding Document Collections," in collaboration with FLICC and the American Folklife Center. The first event featured the recording of oral histories of 8 conservators who were "on the ground" following 2005 hurricanes. The second event was attended by 30 individuals representing major government agencies, funders (NEH, IMLS), and organizations including AIC, SAA, AASLH, and CLIR (ALA was not able to send a representative). This program discussed models for future preparedness program, education and on-site response; potential partner groups; research needs; funding opportunities; and next steps. These included developing guidelines for grant applications to NEH in conjunction with recognizing SAA's May Day initiative for emergency preparedness, hosting a follow-up meeting at the Library in December to mark the 30<sup>th</sup> anniversary of the initiation of LC's original National Preservation Program Office, and targeting 2008 for focus by funders on collection salvage

Following the advent of Hurricane Katrina, the Directorate held 6 salvage workshops at LC and trained 44 librarians from LC and 30 from 19 outside agencies (e.g. Senate, Treasury, Census, Navy, Army, Mint, DOS, NASA, NAL, NIH/NLM, NIST, IRS, and NOAA) in the basics of collections recovery free of charge. At an offsite workshop in Alabama, 12 participants representing Auburn University and 7 public libraries were trained. LC staff in 12 divisions (AFC, AMED, ASIAN, European, G&M, LAW, MSS, MUS, P&P, SER, CALM, Hispanic, and CRS) have been trained in salvage, and 14 staff in 4 divisions (AMED, ASIAN, G&M, and MSS) have been trained in relocation of collections inhouse in the event of an emergency incident. Working with Federal Library and Information Center Committee (FLICC) and other initiatives, the Directorate has provided outreach and on-site workshops, information and supplies for entities in the Gulf States of Florida, Mississippi, Louisiana, Alabama and elsewhere. The goal is to develop in-house, metropolitan, regional, and national networks of people trained in salvage of library collections, who can be called upon by the Library of Congress in the event of local or regional emergencies. To this end, the Directorate is creating a national email list and phone tree for 350 institutions receiving mailings of the IFLA Preservation Newsletter to establish a more effective and instant communications network nationally.

Finally, the Directorate initiated or participated in several other major emergency-related activities, including:

- Taking part in weekly conference calls with FEMA and Heritage Preservation Foundation, as well as with representatives of the IFLA PAC North America Network coalition. A website with links for emergency mitigation was enhanced and posted on the LC IFLA PAC webpage (<http://www.loc.gov/preserv/iflacore.html>).
- Co-Chairing and participating on Heritage Preservation Emergency Management Team Task Forces, charged to determine a) basic package of information resources that institutions/sites need after disasters, b) supplies, equipment, and services most urgently required in a disaster's aftermath, c)

how supplies can be collected, pre-positioned and delivered effectively, d) types of workshops or training most useful to institutions in areas affected by disasters, and e) dissemination of response and salvage information to members of the public.

### **Mellon Photograph Survey Progress**

The Directorate, supported by a generous grant from The Andrew W. Mellon Foundation, completed its 15-month program to adapt a photograph survey performed at Harvard University in 2003, to the Library. While the number of items in both institutions is similar, the marked difference between the centralized organization of the Library of Congress and the decentralized organization of Harvard University posed significant conceptual challenges in adapting the survey, especially in surveying a collection of over 14 million items. While the Harvard and Library of Congress surveys involve photographs, there is potential application to other types of cultural property such as audio-visual materials, works of art on paper, and books, and to smaller collections. Findings indicate that in-depth risk and condition assessments are needed to improve storage and increase treatment for the collections. A workshop will be organized for fiscal 2007.

### **Topics in Preservation Science**

During the first half of fiscal 2006, eight TOPS lectures were presented for librarian, scientists and conservators, covering the preservation of digital, magnetic tape, photographic and other audio-visual media; low oxygen storage systems; solid-phase microextraction techniques; and the work of former LC's Restoration Director, Peter Waters, as a designer bookbinder before the Florence Flood disaster of 1966 led in his coming to LC in 1971.

### **Digitizing Sound Initiative**

DOE's Lawrence Berkeley National Laboratory (LBNL) developed and delivered a prototype 2-D scanner to the Library for evaluation, in compliance with the "Image, Reconstruct, Erase Noise, Etc." (IRENE) project. (See Figs. 1 and 2 for Carl Haber demonstrating the machine and software to Drs. Billington and Marcum.) The prototype, which is now being tested for fidelity, will minimize scan time to image lateral (side-to-side) groove disc media using high-resolution digital microphotography in two dimensions (2-D) to provide quality reproduction. By quickly producing an audio file, the prototype addresses the mass digitization needs of major collections. Since it cannot measure the third dimension, a research project has been designed to develop the ability for 3-D scanning that can preserve audio on vertically cut cylinders, media with poorly defined groove geometry such as dictation belts, and the full groove profile of discs, which could lead to higher fidelity audio reproduction. Of the lateral groove discs targeted by IRENE, approximately 10% were judged to have such severe wear as to not be suitable for 2-D imaging. Many were older, acoustically recorded discs. These would still be good candidates for 3-D scans. Due to rate limitations of 3-D scanning technology, the system proposed would not offer the low scan time, access-oriented capability of IRENE. The new device will instead be designed primarily for preservation to extract maximum information from grooved mechanical sound carriers. A key goal will be to quantitatively evaluate the optical measurements of media against audio preservation standards. The breadth of materials requiring full 3-D profiling represents a diverse range of formats and compositions, including some of the oldest and most physically compromised items held in collections across the nation, such as:

- The entire catalog of commercial Edison molded cylinders and "Diamond Disc" records.
- All unique directly recorded soft-wax cylinders covering dictation, performance, spoken word, ethnographic, linguistic, and other fieldwork. A few examples include Edison's experimental recordings held at the Edison Historical Site, the Ishi and other Native American recordings of A. Kroeber at the University of California, Berkeley, the Hawaiian folk music recordings of Helen H. Roberts, and the correspondence dictations of Jack London.
- Plastic dictation belts including White House phone conversations, interviews, testimony, and working copies or notes of authors, playwrights, and screenwriters.

### **Preservation of Treasures Program**

In collaboration with the National Institute for Standards and Technology (NIST) and the Alcoa Foundation, the Directorate has started the process of creating a permanent, oxygen-free, housing for the 16<sup>th</sup> century Waldseemüller Map that depicts the name "America" for the first time in the Western Hemisphere. (See Figs. 3 and 4 for a view of the mock-up encasement at NIST.) The encasement design is almost complete and the fabrication process will start in the fall of 2006. Alcoa Foundation contributed over \$100,000, as well as materials, to the project. Although the size of the encasement is unprecedented, upon completion the map will be able to be safely displayed on a long-term basis, and will form one of the Library's highlights when the passageway from the Capitol Visitors Center opens in 2007.

### **Microfilm Roundtable**

The Library of Congress and the British Library have collaborated to address problems associated with cellulose acetate microfilm collections. Three international round-tables on preservation microfilm have been convened with other leading institutions to develop a united approach to common problems. The final meeting was held at Princeton and led to launching the Cellulose Acetate Microfilm Forum (CAMF) website (<http://www.bl.uk/about/collectioncare/acetate/camfintro.html>), which covers Guidelines for surveying cellulose acetate collections.

### **Media Outreach**

Directorate staff were filmed and interviewed on two occasions. The first interview was by the TV show History Detectives, and involved discussing UV, IR and stereomicroscopic examination of a map purportedly of the Civil War era. The second was an interview touching on paper conservation in the US, filmed by a Japanese group for Japanese television.

### **Fellows and Interns Training Program**

The Directorate hosted 9 fellows and interns, including 2 CIRLA Fellows, 2 HACU Interns, and 4 otherwise funded Fellows. The HACU Fellows both worked on characterizing a micro-spectrometer used to measure fading while working toward their BS in Chemistry, were Michelle Ann Sanchez (Regis University) and Trojovon Talley Howard University). The other funded fellows included Harper-Inglis Paper Conservation Fellow Sophie Lewincamp from the University of Canberra, Australia, who has a Bachelor's degree in Applied Science majoring in Conservation of Cultural Materials; Cecil and Michael Pulitzer Book Conservation Fellow James Thurn, University of Texas at Austin and a candidate for Master of Science in Information Studies, Specialization in Conservation of Library and Archive Materials (he also has a MS in Environmental Engineering Science from Syracuse University as well as a BS in Paper Science and Engineering from SUNY College of Environmental Science and Forestry); Insurance of North America Fund (INA) Fellow Mei-Cheun Chen from Tainan National University of the Arts, with a Master's Degree in the Graduate Institute for the Conservation of Cultural Relics, Chinese Cultural University;; and Nielson-Brainbridge Fellow Cindy Connelly Ryan.

The Fellows and Interns were trained in a wide variety of preservation and treatment techniques from examination, emergency treatments, exhibition treatments, moving preparations, and research projects. Specific techniques employed include board reattachments, surface cleaning, re-sizing, re-sewing, protective treatments, humidification, flattening, mending and filling of losses, mold removals, leafcasting, pigment analysis, washing, lining, in-painting, mending, and rehousing.

## **Conservation Division**

### **Overview**

The Conservation Division (CD) ensures the continuing existence and usefulness of the Library's special format collections to Congress and the American public.

Conservators and technicians do the following core activities:

- Provide conservation treatment to valuable, high use, and high-risk items identified by the Library programs as the Library's most endangered holdings;
- Analyze holdings, assess risks, and implement appropriate mitigation actions;
- Answer reference questions on conservation and preservation from fellow professionals and Congress;
- Develop care, handling, and management policies, procedures, and training for digitizing projects, exhibitions, loans, moves; and special events or other projects;
- Implement emergency prevention, response, and mitigation procedures for collections;
- Maintain collections through the design and creation of appropriate housings;
- Monitor and document storage and exhibition environments and materials to ensure the best possible collections environments throughout all Library buildings and for all holdings;
- Manage and monitor the cool storage and exhibition of Top Treasures and the maintenance of their cases;
- Stabilize materials for digitization, exhibitions, loans, and special events;
- Work with the programs to identify holdings at most need of treatment and arrange for their transfer to Conservation for treatment; and
- Perform materials research and develop best practices for the conservation treatment of audio-visual materials, paper, bound volumes, and photographs.

In fiscal 2006, divisional conservators provided care to a total of over 2.6 million endangered special collection items, with emphasis on the Library's most significant holdings. CD staff surveyed a total of over 197,000 rare and fragile items so they could be stabilized by treatment or rehusings for access, digitization, exhibition, and relocation to off-site storage. In fiscal 2006, Conservators treated a total of more than 16,400 items from twelve curatorial divisions, including 780 books, 14,265 paper documents, 944 photographs, and over 500 other format materials. Staff members housed over 2,379,000 items, including the preparation of over 14,000 protective boxes; the cleaning and housing of 15,397 discs, film, and magnetic media; and rehusings of over 2,263,000 photographs and more than 86,600 paper-based items, as well as more than 400 miscellaneous items. Conservators also labeled approximately 26,400 items.

### **Book and Paper Section**

The Conservation Treatment section focuses upon assessing, researching, surveying, and stabilizing fragile or endangered Library special collections materials from the 12 curatorial divisions so that they may be made available for access, digitization, loan, and exhibition.

#### **Treatments**

Divisional conservators solve the challenges posed by complex deterioration challenges found in collections of historic rare books, manuscripts, photographs, and related materials. Divisional conservators research, develop, and implement:

- complex removals of accretions, attachments, and stains;
- techniques for strengthening rare materials through alkalinizing, filling, lining, and mending; and
- flattening techniques when materials are distorted to improve the collections' capability to withstand access, digitization, exhibition, and loans.

Highlights for fiscal 2006 include treatment of documents from the era of the Founding Fathers, such as the William S. Johnson Annotated Draft of the U.S. Constitution and George Washington's personal copy of the Dunlop broadside of the Constitution from 1787, as well as the treatment of the Middlesex Gazette of 1799 containing George Washington's obituary. For the Library's exhibition *Benjamin Franklin: In His Own Words* and the Bruce Museum of Arts and Science exhibit *Ben Franklin's Curious Mind*, Conservators treated fifteen items, including the Stamp Act of 1765, mezzotint portraits of Franklin, letters from Franklin to George Washington, his notes on the common cold, and his design for bifocals.

Other treasures treated included a major body of Chinese and Korean Rubbings, whose fragility previously kept them from use by scholars; a pictorial map of China in watercolors from the 18<sup>th</sup> century; an ongoing project to research and treat an album of Indian paintings on mica; a 19<sup>th</sup> century Chinese woodblock print map of the world from Geography and Maps Division; and five 19<sup>th</sup> century paintings of Chinese costume images of aristocrats and government officials. Additionally two volumes of 19<sup>th</sup> century sketchbooks by noted woodblock artist Ando Hiroshige from the Japanese Section of the Library's Asian Division were mended to improve their longevity.

Of great significance to the worlds of music and dance, the Martha Graham copy of Aaron Copeland's Appalachian Spring with Graham's choreographic notations was treated for the Music Division. Conservators treated selected rare books from the Dayton C. Miller Collection on the flute from the 14<sup>th</sup>-20<sup>th</sup> century and the Bradbury Album. Prints and Photographs Division holdings treatments included a major collection of Herblock political cartoons, salted paper prints from the Roger Fenton Crimean War holdings, and a lithograph by William Gropper of Bowery Job Hunters.

Conservators worked on several major projects for the African and Middle Eastern Division, including treating a Latin-American Dictionary from 1714 and a rare 1758 Armenian Church Doctrines volume. Staff conservators also assessed and repaired the only known Iranian-Kurdish Ketubah (Jewish marriage contract) from the town of Bijar, deep within Iran, dating from 1936.

The Phillips Society generously supported a contract conservator to treat maps identified by the Geography and Maps Division. Staff reviewed the maps, tested inks and colors, documented the treatments, supervised and assisted the conservators, and filed the treatment reports. Staff treated the valuable atlas, *Theatro de Mondo*, Ortelius of 1613. To aid in future treatments of Asian maps, atlases, scrolls and fans in the collections of the Geography and Map Division, Conservators designed a survey to correlate basic bibliographical information with conservators' observations about the physical make-up and condition of the objects, as well as specific steps for treating each item.



Conservators designed and constructed a box for the display and storage of a large, heavy autograph album from the Manuscripts Division. Recently rediscovered in offsite storage, this book is the first volume of 111 volumes presented by the Polish government in 1926 to President Calvin Coolidge on the 150<sup>th</sup> anniversary of the signing of our Declaration of Independence. Collectively, the set is known as *Polish Declarations of Admiration and Friendship for the United States*. Containing illustrations by some of Poland's finest artists, as well as the signatures of all the top officials in the government, military, judiciary, clergy, and academia, this book was at risk as it is large, heavy, awkward to handle, and featured an attached wax seal and a metal box. Conservators custom designed and created a box that supports the book. The box allows the volume to be viewed without moving the seal and to be stored tightly sealed for best protection of the volume.

### **Interpretive Programs Office Conservation Program (Exhibitions)**

Conservators assessed and or surveyed over 2,050 items, stabilized and treated 268 items, and rehoused more than 2,000 items for over 75 separate exhibitions including individual Top Treasure cases, loans, local exhibitions by offices such as Copyright, the Capitol Visitor Center displays, and major LC exhibitions.

The fiscal 2006 exhibition projects roster also included the safe movement of Pre-Columbian objects from the J.I. Kislak Foundation in Miami Lakes, Florida, to the Library of Congress. Conservators prepared several of these Kislak items for access by the J.I. Kislak scholars, as well as assisting scientists in testing the objects to identify their component materials. CD staff surveyed, cleaned, and housed canvas bunks from transport ships from the Vietnam War for the Veterans' History Project. Divisional staff also created gift boxes for Laura Bush, Marjorie Fisher, John W. Kluge, and Mr. And Mrs. Putin.

Treated materials were featured in such in-house exhibitions as the *American Treasures* (Benjamin Franklin items); *Bob Hope*; *Maps of Our Lives*; *Jefferson to Jazz, an American Violin show*; and a Copyright Office exhibit. Items were also prepared for traveling exhibits such as *From the Home Front to the Front Line* (A Veteran's History exhibit) and *Disney: LC at LA*, an ongoing exhibit.

Planning for the new Capitol Visitor's Center exhibition hall exhibit cases, security, and mounting options and materials was a 2006 exhibit project of national significance. This work was supplemented by the preparation of Library of Congress items for exhibition in the Capitol Visitor's Center exhibition halls.

### **National Digital Library Conversion Conservation (Digitization)**

To support enhanced online access to rare Library collections, Conservators surveyed almost 48,000 items, housed over 400 items, and treated over 5,200 items for seven National Digital Library, Global Gateway, and World Digital Library projects in fiscal 2006. Projects completed included Arabic calligraphy sheets, Chinese rare book scanning, Continental Congress Broad sides, cuneiform tablet scanning, *France in America, Islam and Science, I Hear America Singing* (IHAS) *Sousa*, and the *Meeting of Frontiers* (Western America). Over 900 books, 46,000 paper items and leaves, and 25 photographs were assessed and treated for a total of over 47,000 items made available for sharing with the public via the National Digital Library and the Web.

New initiatives in fiscal 2006 included four special projects to:

- Stabilize a varied assemblage of rare book and manuscript materials for the Global Gateway collaborative project with the Bibliotheque National in Paris, *France in America*, which explores the history of the French presence in North American from the 16<sup>th</sup> through 19<sup>th</sup> centuries;
- Treat a significant collection of Chinese rare books as part of a multi-year cooperative project with the National Central Library of Taiwan;
- Stabilize selected books to be scanned for an online guide to the rare book and special collections division, which will provide the public with key information about the Division's holdings and services; and
- Stabilize nine Islamic manuscripts from the Mamma Haidara Commemorative Library in Timbuktu, Mali, for sharing on the Web.

### **Preventive Conservation Section**

Staff completed the final year of a five-year project to preserve at-risk collections on the Library of Congress Capitol Hill facilities (i.e., Adams, Jefferson, and Madison buildings). Using existing resources, conservators and technicians treated an additional 113 bound volumes, 268 photographs, and 918 paper-based items for a total of 1,299 items, as well as providing custom housing to 77,657 paper items. Staff

also constructed special protective boxes for an additional 5,435 items. Rehoused items included bound volumes, palm leaf manuscripts, glass plate negatives, photographs, and pre-Columbian artifacts.

Project highlights include assessment, photography and housing for recently acquired flasks and other objects belonging to the J.I. Kislak Collection, conservation treatment and housing for volumes from the Law Library's Russian Imperial Collection, and the treatment and housing of important 19<sup>th</sup> century photographs from both the Roger Fenton and Western Survey Collections.

### **Emergencies**

Conservators are the first line of defense for collections during Library emergencies. During fiscal 2006, Conservators responded to over 16 separate incidents including floods and leaks. Day or night when emergencies happen, conservators on the emergency "Beeper Team" are on call to assess damage, rescue collections, and immediately ensure the safety of the materials. For example, when Washington, DC, experienced 12 inches of rain in 48 hours on June 25<sup>th</sup>-27<sup>th</sup>, 2006, Conservation Emergency Response Team members worked through the nights to protect collections from building leaks, remove wet collections materials, and stabilize them so they would not be lost to scholars and the American public.

### **Environmental Monitoring**

Staff members collected and analyzed environmental data with a focus on identifying the greatest risks to collections in collections storage areas. Focusing on chemical deterioration from a combination of high temperature and relative humidity and physical damage from excessively dry or highly fluctuating conditions, staff continuously monitored the environments in all three buildings on Capitol Hill, as well as the Library's buildings in Landover, MD; Culpeper, VA; and Fort Meade, MD. Conservators managed and analyzed the resulting data from over 90 Preservation Environmental Monitors (PEM) to provide a comprehensive view of the threats to and life expectancy of all Library holdings.

Working with Facilities Services, staff made specific recommendations for the improvement of the collections storage environments at the Library's Landover, MD, Center Annex. Staff are now monitoring to assess the effect of recent equipment upgrades and operational policy changes in Landover.

Conservators working closely with the National Audio Visual Conservation Center (NAVCC) staff members recommended climate set points for collections moving from all Library buildings to the new facility in Culpeper, VA. Staff also employed logging devices to track conditions during all stages of the move. Conservation staff along with expert consultants (i.e. Image Permanence Institute and Herzog Wheeler Associates) have reviewed and made recommendations on the design of HVAC systems for proposed secured storage facilities.

The Preservation Directorate is now planning for the implementation of a web-based environmental monitoring system that will allow multiple user access from many sites. The system allows users the opportunity to store, organize, and access many types of pertinent information including collection material types, mechanical systems, and a history of emergency incidents. The monitored data and related analysis can be maintained by the system for each space being monitored.

Conservators pay particular attention to the management and monitoring of the Library's most valuable collections--called the Top Treasures--and the maintenance and management of their exhibition cases, storage cases, and special cool storage environments. Conservators also assisted with integrated pest management and mold mitigation.

### **Move Preparations**

Staff completed the final phase of a three-year initiative to prepare collections for their movement to two remote storage centers: the National Audiovisual Conservation Center (NAVCC) in Culpeper, VA, and Fort Meade, MD, (Modules 3 and 4). The logistics for the Motion Picture, Broadcasting, and Record Sound Division (MBRS) move of a collection items to NAVCC were significant, involving staff reviewing holdings, containers, and transport issues for each collection individually. Working with MBRS and the Architect of the Capitol, staff developed indoor air quality guidelines for the commissioning of the facility. Research and development work on air quality continues in the coming fiscal years as the Library seeks to create permanent Library guidelines on indoor air quality.

CD staff members additionally designed and developed specifications for collections cases, frames, housings, containers, equipment, and furniture, as well as providing reviews of the new buildings and storage spaces to ensure the best possible collections environments. Staff solved special preservation

problems by developing new housing techniques, identifying appropriate new supplies and equipment, creating new preservation management tools and techniques, as well as by discovering new ways to stabilize via rehousing and treatment the millions of items of special collection books, paper, photographs and other special media needing to be moved.

Conservators housed and treated opera libretti, photographs, architectural drawings, and trademark albums, in preparation for relocation to remote storage in the Library's Fort Meade Modules 3 and 4. Working with contractors, staff planned and began implementing rehousing of bound newspaper volumes published in the United States in the 19<sup>th</sup> and 20<sup>th</sup> centuries. Conservators and technicians boxed, labeled, and cleaned the covers of historic volumes. Conservators also custom designed and built boxes for large collections of architectural drawings, 3-dimensional artifacts from the Local Legacies collection, and newly acquired rugs from the American Folklife Center (AFC).

For these moves, staff rehoused 77,657 fragile paper collections, constructed protective boxes for 5,435 books, stabilized 918 fragile paper based items, 268 photographs, and 113 volumes; assessed and surveyed 130,960 items, and offered consultations and guidance on preparations of collections for the relocations and new storage spaces.

### **Special Move Projects**

Using the Library's computer-aided mat cutting machine, staff created custom-designed storage mats to house fragile lacquer discs (i.e., phonograph records). These custom mats allowed Motion Pictures, Broadcasting, and Recorded Sound Division (MBRS) staff to protect fragile or broken lacquer discs during their move to Culpeper, as well as to keep the various pieces of shattered discs safely together for future reformatting efforts. A related Preservation Directorate research project (IRENE) has developed sophisticated imaging techniques that make shattered discs playable and their contents retrievable.

Staff, in conjunction with the Serials Division and History Associates, rehoused The American Serials Collection stored at the Library of Congress Annex in Landover Maryland. This collection of over 8,000 bound American newspapers (ca. 1800s-late 1900s) required surveying, the development of eight standardized boxes, developing a work plan for the contractors, the custom design of a label template, the custom construction of jigs to be used for measuring the books, box evaluation criteria development, and training development for the contractors to box the materials, as well as quality assurance throughout the project. The rehoused collection will shortly be moved to a high-density storage facility in Fort Meade, Maryland, currently under construction.

Technicians working with a contracted mover, and MBRS rehoused, assessed and labeled 6,000 rare and highly valuable wax cylinders in less than six months in preparation for their relocation to the Library's new National Audiovisual Conservation Center (NAVCC) in Culpeper, Virginia. These extraordinary cylinders date back to the origins of recorded sound. A random sampling after their relocation indicated that none of the irreplaceable discs were damaged during the move as a result of the careful rehousing and handling of the cylinders.

Staff worked closely with MBRS to rehouse an extremely rare collection of fragile early motion pictures prints on paper. Many of these Copyright deposit prints are the last surviving copies of nitrate films from the origins of the motion picture industry. Of great interest to film historians, MBRS regards this collection as one of the most important collections in their care. Conservators custom designed and built high quality boxes of uniform exterior dimensions, each of which holds multiple inner trays for paper film prints of varying diameters. Staff rehoused 6,500 prints in three months, making possible the collection's move to the National Audiovisual Conservation Center (NAVCC) in Culpeper, Virginia, on time.

### **Supplies**

Preventive Conservation staff further serve all directorates by identifying, budgeting for, purchasing, and providing appropriate supplies for all Library special collections rehousing efforts. Much of this rehousing work occurs for planned relocations to Fort Meade or Culpeper; and for access, digital scanning projects, exhibitions, and loans. In fiscal 2006, the Conservation Division placed over 452 supply requests totaling 114,000 items. The Preservation Directorate also tests and evaluates supplies for use with Library holdings.

### **Policies and Procedures Reviews**

The Conservation Division serves all branches of the Library by developing care, handling, and management procedures, techniques, and training for digitization, exhibitions, loans, high value and

emergency collections care, and relocations of rare and fragile materials. The CD staff reviews all new Library policies and protocols for preservation concerns, working in committees and with colleagues to resolve issues.

### **Special Projects**

Preservation working in collaboration with staff from the Office of Security and Emergency Preparedness designed and contracted for the construction of an environmental safe used to protect high value collection items from physical intrusion, impact, water damage, environmental fluctuation and fire. Before acceptance at the Library in August, 2006, the safe was tested via a water test, monitored, and modified to provide a stable environment.

The Preventive Conservation Section assisted with assessment, monitoring and treatment of an insect infestation and trained Acquisitions staff in the safe packing of materials slated for anoxic treatment. Staff also played an active role on the Library's National Fire Protection Association (NFPA) 909 Committee that was convened to assess practical applications of this code for construction projects within existing buildings, and to develop a risk assessment methodology. The Section collaborated with the Rare Books and Special Collections Division on the contract for metal shelf covers and ends to protect volumes from the Jefferson Buildings original slotted shelving and the protrusions from the cast iron uprights. Several staff members from the section have consulted on the use of cleaning products and methods for both the National Audio Visual Conservation Center (NAVCC) and on the Capitol Hill campus.

Conservators tested the feasibility of using the Division's new multi-spectral digital camera to enhance the legibility of faded manuscript text on abraded pencil text in a Civil War-era letter, water-damaged iron-gall ink text in the journal of an eighteenth-century priest traveling from Latin America to Rome and faded ink from the nineteenth-century records of the landscape architects the Olmsted Associates.

Staff continued to consult and test materials for the new Capitol Visitors Center. Project work included testing of materials, reviewing presentation formats, and assessing items for exhibitions in cooperation with the National Archives and Records Center. Staff undertook a research projects on 16<sup>th</sup> century colorants, specifically blue inks, found on documents manufactured in the Spanish colonies of present-day Mexico and Peru in the Library of Congress holding.

Another notable fiscal 2006 special project was the development of the first Library of Congress Conservation Division laboratory protocols for the treatment of materials created or notated with corrosive iron gall ink. Widely used by artists, authors, secular and religious authorities, and the general public for all kinds of works from the 1400s to the present, iron gall ink poses significant preservation problems for archives, libraries, and museums worldwide.

Conservators also conducted research on techniques and composition of Library collections. For example, a recent collaboration between a Conservator and a staff member from the Prints and Photographs Division explored American artist Joseph Pennell's use of pastel and charcoal. The study gathered fresh information for the first published catalogue and exhibition of Pennell's drawings, expanding the understanding of his working methods. The resulting paper entitled, *A Technical Study of Joseph Pennell's Pastels and Charcoals*, was delivered to the 5<sup>th</sup> International Institute for Paper Conservation Conference, Edinburgh, in July 2006, and a publication is forthcoming. The James Anson Kittredge Foundation supported this project.

### **Outreach**

Conservators provide training within the library and nationwide on a wide range of issues from emergencies to new treatment and rehousings methods. In fiscal 2006, for example, a conservator taught a workshop titled *Emergency Preparedness and Salvage of Library Collections* and hands-on disaster recovery sessions to Alabama librarians and archivists, as well as touring with the *Song of America Tour* to Oxford, MS, and San Jose, CA. During this tour, Conservators presented the Division's *Preservation on Parade* display and answered questions from the public.

Conservators taught and lectured on a wide variety of topics in the library, nationwide, and internationally including Italy and Scotland. In the U.S. staff spoke at such venues as the Conservation Center for Art and Historic Artifacts, the Freer and Sackler Galleries, the National Gallery of Art in Washington, DC, and the Italian Embassy in Washington, DC, as well as numerous professional meetings and conferences.

## **Tours**

The Conservation Division hosted 52 tours to over 317 visitors. Notable visitors to the division include Copyright royalty judges James Sledge, Stanley Wisniewski and William Roberts; Deputy Director of the Library of Parliament of Georgia Boris Gagua; Director of the National Library of Iraq Dr. Saad Eskander; the Library of Congress Madison Council; and Senator Wayne Allard of Colorado.

## **Fellowships**

The Conservation Division also hosted international fellowships and internships at the Division to share the division's expertise with the world. In fiscal 2006, the following conservation fellows worked at the Library:

- Mei-Chuen Chen from the Taiwan National University of the Arts, who received the Insurance of North America Fund Fellowship;
- James Thurn from the University of Texas at Austin, Texas, who received the Cecil and Michael Pulitzer Book Conservation Fellowship; and
- Sophie Lewincamp from the University of Canberra, Australia, who received the Harper-Inglis Paper Conservation Fellowship.

The Conservation Division hosted two Chesapeake Information and Research Library Alliance (CIRLA) Fellows:

- Netta Cox from the Smithsonian Institution, who worked largely with audio-visual collections, and
- Hector Morey from the Library who assisted with the housing of opera libretti, rare pamphlets, albums, and photographs from general collections.

The Library also benefited from the assistance of Conservation Division multicultural fellows Valeria Orlandini Dedececk, who comes from the McKay Lodge Fine Arts Conservation Laboratory, Oberlin, Ohio, with a degree from Winterthur Museum at the University of Delaware.

## **Binding and Collections Care Division**

The Binding and Collections Care Division (BCCD) provides services for the general and reference collections predominately. As part of the BCCD mission, periodicals are bound into volumes and monographs are rebound or conserved inhouse. In addition there is a major housing component to provide custom made boxes for multi-piece titles, various formats that do not sit easily on the shelf or old and damaged materials that can best be served in a box housing. The Library Binding Section (LBS) prepares materials to be outsourced for commercial binding, and provides labeling and shelf preparation for materials be housed at the Fort Meade facility and other areas. The collections care section provides inhouse conservation for the general and reference collections, providing rush services as well as project-based care for a variety of formats. Within the Division, general collections care incorporates education for patron and staff in care and handling of materials as well as providing reference services in the area of preservation for the public through the service of Question Point, which is staffed by a variety of library experts in various fields.

BCCD continued to provide general preservation assistance through the Question Point process answering over 700 email queries and an additional 78 by phone/fax/mail. The directorate continued to mail out request for ink for marking special collections and to mail out brochures. Enhancement to the Preservation Directorate web pages was begun.

### **Library Binding Section**

The Library Binding Section continued to focus on improving efficiencies and eliminating backlogs. In spite of the retirement of three permanent Library Binding Technicians in January 2006, the LBS were able to stay current with the workflow and meet production goals.

During fiscal 2006, over 149,000 items were labeled, almost 19,500 of these items were softbound monograph volumes (Copy 2's) assigned to the General Collection. LBS reviewed the quality of more than 260,500 volumes returning from the commercial binder, and Preservation Technologies (PTLP) contract staff reviewed 232,657 of those volumes. LC sent over 259,500 volumes for commercial library binding, of that total, 201,453 were prepared by LBS staff. The staff sorted more than 216,600 volumes into binding styles in preparation for commercial binding.

Staff continued to provide a full time staff person to the Acquisitions and Bibliographic Access Directorate to assist in the decentralization of labeling workflow.

A new security door with a card access that leads to the loading Dock was installed in the Shipping & Receiving area of LBS.

LBS staff were approved for overtime for the months of August and September working a total of 352.50 hours. The work accomplished included labeling 6,664 items; sorting 3,652; typing (binding prep) 4,326; and quality review (QC) of 4,026. This completed all work on hand to prepare for additional volumes expected shortly in fiscal year 2007 from the ABA's enhanced processing program.

### **Collections Care Section**

This Section provided treatment for 2,661 volumes, and made 8,384 boxes. This included two important boxing projects. For the Hispanic Reading Room, 1,000 boxes for the Luis Dobles Segreda collection of Letras Patrias, Costa Rica, 1826-1943. For the Asian Reading Room, 200 boxes for the Washington Documentation Center Collection, consisting of volumes from China created during the Ming and Qing periods (1368-1644). During approved overtime 207 boxes were made, and 285 volumes received basic treatments. This cleared several backlogs, which will better enable the staff to treat the additional volumes expected shortly in fiscal year 2007 from the ABA's enhanced processing program. In addition, 23,466 maps from the American Title Map collection were rehoused through the Section's management of a contract with History Associates, Inc.

Staff is collaborating with CALM, BIP and RBSC to move approximately 100,000 volumes from Landover to Fort Meade. The Section's contributions to the project have been identifying volumes to be transferred to RBSC, and cleaning and rehousing at risk volumes. This project will be on-going in fiscal year 2007.

The Section made use of the newly acquired automated Kasemaker boxing machine's enhanced capabilities, by making self-closing wrappers for volumes being sent to Fort Meade. These wrappers are thinner than the previous four-flap box, and therefore use less space within the Fort Meade box while still protecting at risk volumes. Additionally, these boxes do not require any fasteners, which speeds production and lowers cost. Also, the machine is being used to cut foam inserts for MRC multimedia boxes, and the MBRS Paper Print film boxing project. Previously cutting foam inserts had been a time consuming task done by hand using board shears, a book press and a die-cut knife. Now, this task is done with greater precision, and only takes seconds per piece.

The Section hosted two interns, Netta Cox and Hector Morey, for several days each. They learned basic treatment and housing techniques, as well as about commercial library binding. A volunteer, Carolyn Bazarnick, began working one day per week in the last quarter of the year, and she has begun to learn more complex treatments.

Activities of the Section Head have included: assisting in developing condition guidelines for Google to be used in working with their partner libraries nationwide; participating with OSI in evaluating the Kirtas automated book scanning machine, and dis-binding volumes for scanning projects with OSI and CRS. Additionally, the Section Head served as a Contract Technical Evaluator for the FLICC/GPO library binding contract.

### **Preservation Reformatting Division**

The Preservation Reformatting Division (PRD) provides access to at-risk Library materials by converting items to new preservation formats, such as microfilm, preservation facsimile copies or digital reproductions. In carrying out this responsibility, PRD plans and manages the preservation reformatting budget; executes annual reformatting plans by establishing requirements and standards for preservation reformatting; and collaborates with other institutions to develop preservation reformatting projects that improve the quality, content and accessibility of reformatted works. Services are purveyed from multiple vendors to produce the resulting preservation surrogates.

In fiscal 2006, PRD successfully converted 5,865,061 units (e.g. print pages, photographs, posters), a 25% increase over the fiscal 2005 level, of Library material through a combination of preservation microfilming (5,809,544 pages or 3,295,852 exposures), preservation facsimile (3,557 pages or 21 volumes), digitization (46,656 pages, 132,752 files, or 2,091 works), and other preservation photographic reproductions (796 images and 4,508 acetate microfilm reels) for service to Congress and the public. The Division continued its

support for audio and video recordings of official Library of Congress performances (32 performances) by the Motion Picture, Broadcast and Recorded Sound Division. Reformatted materials were drawn from ten Library Collection and Services divisions, the Law Library, and the Master Negative Microform Collection held by the Photoduplication Service.

The annual preservation reformatting workplan, developed in consultation with custodial divisions, consisted predominantly of over-sized foreign serial publications on poor quality newsprint (e.g. legal gazettes, newspapers, periodicals), copyright drama scripts, deteriorating acetate and unstable nitrate negatives, and embrittled monographs. Due to the inherent vice of the paper on which most of this material was printed and rights restrictions on the content, preservation microfilm continued to be the dominant reformatting solution employed.

In addition to the more routine high-volume reformatting of General Collection and Law Library materials, PRD significantly increased its allocation of resources to address 1930's era Copyright Drama Deposits held by the Manuscript Division, severely embrittled World War I and World War II era military serials, and deteriorating acetate and nitrate photographic items from the Prints and Photographs Division. A new hybrid digitization pilot project was initiated to produce complete best copies of local histories in digital form with content derived from early Library produced microfilm and from original illustrated print materials retained by custodial divisions.

PRD continued working directly with the Photoduplication Service, the Serial and Government Publications Division, and the African and Middle Eastern Division to collate and prepare materials for preservation microfilming (409,392 pages). All monographs converted to either digital form or preservation facsimile were prepared and inspected by PRD staff.

PRD maintained the quality of reformatted products through a quality assurance program supported by both staff and an external service provider. Approximately 2,005 micrographic units (e.g. microfilm reels, microfiche) received complete bibliographic inspection while all other units received a more basic level of review. Quality assurance feedback was provided to all reformatting vendors in order to correct any identified deficiencies and to ensure improved compliance with existing contract requirements.

### **Micrographic and Facsimile Program**

Work began under a new multi-year preservation microfilming and digital imaging contract that was successfully competed and awarded to OCLC Preservation Service Centers at the close of the previous fiscal year. This new contract allows the Library to continue high-volume off-site preservation reformatting of a wide variety of library materials at a competitive cost. Deliverables under this new contract include microfilm, microfiche and digital files. Forty-two percent of total PRD reformatting work volume was accomplished through this new effort.

A more closely coordinated preservation microfilming effort between PRD and the New Delhi Field Office resulted in more effective reformatting of newsprint serials acquired by the New Delhi, Nairobi and Cairo field offices. This effort resulted in a continued reduction in the volume of material awaiting reformatting attention in Washington while increasing the timely delivery of fully preserved material to custodial divisions. Significant progress was made in reformatting a backlog of Arabic language newspapers by directing more of this material through the New Delhi Field Office and increasing the volume microfilmed under contract and through the Photoduplication Service in Washington.

The Library's existing commercial binding contract with the HF Group, formerly Heckman Bindery, was modified to allow for preservation facsimile services. A relatively low volume of embrittled rights restricted monographs and single serial volumes assigned to reference collections were identified for preservation facsimile replacement. Fragile monographs in the public domain were digitized to allow wide-spread access rather than producing a facsimile copy for on-site use.

### **Master Negative Microfilm Inventory**

Essential steps were undertaken to improve the stewardship of the Library's Master Negative Microfilm Collection. Based on condition data collected through an earlier survey of this collection, PRD doubled the number of deteriorating acetate microfilm reels for duplication. All of the microforms were produced before 1948 and have never been rehoused. A new contract was awarded to Library Systems and Services (LSSI) to begin an item level inventory of the Master Negative Microfilm Collection in preparation for its upcoming move to cold storage at the Ft. Meade facility in 2009. Bibliographic activity by the Division

resulted in the cataloging of 1,303 newspaper titles filmed by the Library. More than 3,010 microfilm holding records were created in the Library's integrated library system.

### **Photographic Reformatting Program**

The Division continued to reformat deteriorated high value photographic negatives held by the Prints and Photographs Division (P&P). Services were acquired from Chicago Albumen Works to clean, stabilize, and duplicate in analog and digital forms 100 deteriorating acetate negatives. Select reformatting of high-demand nitrate negatives stored at the Library's Wright Patterson facility was expanded through a new contract with TransImage. This work results in the creation of high-resolution digital surrogates that will greatly decrease the need to transport and circulate originals in the future. Items are identified through Photoduplication Service customer requests and by P&P curatorial staff in support of Library exhibits and publication projects.

A new project was initiated to produce high-resolution digital images of historical prints and posters. Approximately 300 posters advertising circus performances and performers in the P&P collection were identified for scanning. A portion of the American printmakers (e.g. . Baillie, Currier & Ives, Sachse & Co.) collection consisting of larger drawings measuring up to 28"x 40" were targeted for imaging in order to reduce the risk of damage or deterioration caused by environmental and human factors associated with exposure and handling. A contract was awarded to DataTrak to provide needed on-site digitization services for this project.

### **The Digital Preservation Laboratory (DPL)**

Digital Preservation Laboratory (DPL) staff continued a number of longstanding investigations and collaborations, with the greatest success coming from the JPEG 2000 technology evaluation and adoption program. DPL staff consulted with OHIOLink personnel in program planning for the inaugural ALA/LITA JPEG2000 for Libraries and Archives interest group meeting, and proposed requirements for the inclusion of JPEG 2000 technology in the FEDORA digital object repository system (a project subsequently sponsored by the Google Summer of Code program). Other JPEG 2000 related activities include the refinement of encoding techniques for high-resolution scans of microfilmed newspapers. The DPL continues to support color management efforts at the Library by making available color management software and hardware for use by interested parties. Production oriented research and development activities include the continued development of objective imaging performance measures and statistical quality control techniques.

DPL representatives are involved in the Directorate's strategic planning program, focusing on a national preservation strategy for traditional and electronic media, exploring core and expanded functionalities of digital works and in helping develop plans for a state of the art Preservation Research and Testing Laboratory.

Staff presented and published papers for the 2006 Computers and Libraries Conference in Washington DC (Towards a Holistic View of Digital Preservation), the 2006 Museum Computer Network Annual Conference in Boston (Learning From JPEG 2000), and the Society for Imaging Science & Technology Archiving 2006 Conference in Ottawa, Canada (Managing a Quality Digitization Practice in Cultural Heritage Institutions: Statistical Quality Control Tools and Techniques). In addition, staff participated in a conference on PDF Applications in Government in Washington DC, and the Meta|Morphosis Workshop on microfilm digitization at the University of Kentucky.

The Division continued its "Scan on Demand" digitization of embrittled items requested via the Interlibrary Loan program and brittle book programs, supplemented by telephone directories from the European Division, digital versions of the *American Newspaper Annual* (Ayers Directories) and other reference works. 134 works were processed, consisting of 44,699 pages (125,071 digital files).

### **U.S. Newspaper Program (USNP)**

The United States Newspaper Program (USNP) is an ongoing cooperative national effort among the states and the federal government to locate, catalog, and preserve on microfilm newspapers published in the United States from the eighteenth century to the present. Program funding has been provided by the National Endowment for the Humanities (NEH), with the Library providing technical assistance to program participants. Total lifetime program funding has amounted to more than \$54,000,000.

As of January 2006, USNP projects have produced or updated 281,841 newspaper catalog records and microfilmed over 71,864,000 endangered newspaper pages. The National Endowment for the Humanities



(NEH) announced U.S. Newspaper Program awards of \$892,559 in fiscal 2006 to fund continuing projects in two states: Illinois (Chicago Historical Society, Chicago), and Pennsylvania (Pennsylvania State University, State College). Other projects are ongoing in Illinois (University of Illinois, Urbana) and Tennessee (University of Tennessee, Knoxville).

Staff continued working directly with program participants, OCLC and other interested external parties in repurposing the bibliographic and microfilm products produced through the USNP for new digital initiatives that better connect users to the collections. Tangible results of this effort include the successful conversion of over 900,000 local newspaper data records to the newer MARC21 holdings format in OCLC's Connexion system and the inclusion of newspaper bibliographic and holding records in the National Digital Newspaper Program digital resource undergoing testing at the close of the year.

### **National Digital Newspaper Program (NDNP)**

The National Digital Newspaper Program, a partnership between the National Endowment of the Humanities (NEH) and the Library of Congress (LC), is a long-term effort to develop an Internet-based, searchable database for all U.S. newspapers and select digitized historic titles. Supported by NEH, this rich digital resource will be developed and permanently maintained by the Library of Congress. As a collaborative digital effort between Library Services, the Office of Strategic Initiatives (OSI) and Information Technology Services (ITS), this program directly contributes to the ongoing strategic goals of the National Digital Library Program by creating a national collection of high-value digitized historical newspapers; developing a Web-accessible repository to the national collection selected by state awardees; providing free and open Internet user-friendly access to important historical content; and developing consensus on standards and best practices for access to both digitized historical newspaper content and digital library preservation practices. NDNP represents a logical extension of the technical and collection building expertise supporting the Library's highly successful American Memory digital collection effort.

In the second year of a two-year program development phase, the Library continued building a viable and extensible program model for funding and digitization by state awardee institutions (in 2005, NEH awarded \$1.9 million in NDNP awards to 6 states – California, Florida, Kentucky, New York, Utah and Virginia), creating a sustainable digital repository, and validating technical approaches for the processing and accessing of complex digital objects.

This year the digital preservation architecture supporting the long-term program fully took shape with the development of an NDNP repository and a multi-functional user interface to provide access to historical newspaper content for the general public. Significant accomplishments were made in the incorporation of digital asset validation strategies and distribution of the process to awardees, establishing aggregation workflow, data ingestion, and dissemination services to a Web interface, all proceeding in parallel over the course of the development phase.

In early January 2006, the Library completed its initial conversion of selected microfilmed newspaper content, representing Washington, DC, newspaper titles from 1900-1910. These 93,000 digitized pages (approximately 400,000 digital objects), along with the comprehensive newspaper title directory -- approximately 140,000 bibliographic records and 900,000 holdings records for newspaper originals, microfilm masters, and copies created by the legacy United States Newspaper Program -- formed the initial dataset for ingestion and testing of the Library repository architecture and access capabilities. In addition, each NEH awardee submitted digital assets (approximately 26,000 pages) from their own award activities conforming to LC technical requirements for the initial Web site launch in October 2006. This data was ingested into the preservation architecture and provided a robust dataset for development of the access user interface. The Library also entered into an agreement with ProQuest Information and Learning to acquire 82,000 pages of the *New York Tribune* to incorporate into the NDNP repository in 2007. This material will be digitized from ProQuest microfilm holdings by ProQuest to meet NDNP specifications.

The OSI-managed Repository and Interface Development Group produced several iterations of the repository and dissemination interfaces over the course of FY06, undergoing formal usability testing, quality assurance procedures, and successful ITS security certification. The full repository and browser applications, initially developed in the Office of Strategic Initiatives' Repository Development Center (RDC), were transferred to a secure public-access production environment supported by ITS for permanent long-term use. The target date for a public "beta" Web site is October 2006. For testing purposes, the system will be deployed in a beta version in mid-October 2006 to NEH, LC and all awardee campuses until mid-2007 when it will be made available to the general public.

In keeping with the collaborative nature of the program, NDNP staff visited award sites this year to review production environments and met with project staff. Site visits included Library of Virginia, University of California – Berkeley, University of Florida, University of Kentucky, and University of Utah. NDNP representatives also participated in a number of outreach efforts, participating in and presenting papers at a number of conferences, including the International Federation of Library Associations and Institutions (IFLA) Newspaper Section annual meeting in Salt Lake City, Utah. The Library of Congress sponsored, with the National Library and Archives of Canada and the University of Utah, a 2-day seminar focusing on newspaper digitization and the impacts of online access. More than 10 national libraries and numerous US and Canadian institutions participated in this seminar. NDNP hosted a full panel discussion of the program, including an NEH/LC presentation on preservation planning and the long-term sustainability aspects of the program, as well as perspectives from several awardees (California, Kentucky, and Utah).

In addition to face to face personal outreach and to encourage discussion and consideration of NDNP technical specifications throughout the digital preservation and newspaper library communities, the Library sponsored publication of several articles highlighting additional details of the current technical requirements. These publications included an article on technical format validation strategies in the e-journal *D-Lib Magazine* and a commissioned report by Xerox Global Services on the development of a JPEG2000 profile specific to NDNP content.

Based on the experiences of the development phase and additional environmental developments, NEH and LC updated, revised and published program and technical guidelines to clarify NDNP requirements for new award applications. Technical guidelines are posted on the Library's NDNP Web site. NEH issued a call for proposals in August 2006 and plans to make up to 10 additional 2-year awards in June 2007.

### **Preservation Research and Testing Division**

The Preservation Research and Testing Division conducts original research to advance preservation of the Library's collections. From a material-science perspective, the Library's collections are composed of traditional, audio-visual, and digital objects based on their composition, properties, and use. To extend the useful life of these objects, research projects involve using advanced analytical instrumentation to investigate materials composition, aging properties of collections and the materials used to house them, deleterious or beneficial effects of environments in which collections are stored, and the conservation treatments used to preserve them. The Division's programs focus on digital, audio-visual, and traditional materials, as well as assure quality control of materials and procedures, develop specifications and standards, undertake forensic analyses to identify compositions, characterize effects of natural and accelerated aging, and develop testing and safety protocols.

#### **Digital Media Research Program**

##### **Longevity of CDs and DVDs**

The Digital Media Research Program has primarily focused on two on-going projects that evaluate physicochemical degradation reflected by digital error rates, which resulted in 821 analyses. The CD-Audio Media Natural Aging Project, which monitors the aging properties of digital media in permanent storage under ambient conditions at the Library, has now been in progress for nine years. Closely related is the CD-Audio Media Accelerated Aging Project, which evaluates the effect of accelerated aging over a range of temperature and relative humidity on disc longevity. Two large project reports were published internally in 2005, and the Division is currently refining them for posting on the web and for publishing elsewhere.

A new research project is being developed based on the hypothesis that there are chemical indicators that can be used to predict life expectancy of optical discs. This project involves performing analyses of discs from the two above projects, and performing other experiments, to determine the physicochemical characteristics and mechanisms of degradation using advanced instrumental analysis techniques including FT-IR, SEM-EDS, and others. The results will provide data regarding how and why the degradation occurs that causes increases in the digital error rates so that a predictive model can be developed to forecast the life expectancy of optical media, determine optimum storage conditions, and develop a pilot program to integrate best practices into the Library workflow.

An on-going collaboration with the Information Technology Division of the National Institute of Standards and Technology (NIST) was completed in 2006. This collaboration resulted in new data regarding test protocols ([www.itl.nist.gov/div895/loc/index.html](http://www.itl.nist.gov/div895/loc/index.html)) and in the formation of the Government Information Preservation Working Group (GIPWoG), which meets semi-annually to discuss preservation of CD and

DVD optical discs. NIST recently passed leadership for the GIPWoG to the Johns Hopkins Applied Physics Laboratory, which will continue to work with PRTD and the Optical Disc Testing Association to develop archival quality optical media.

### **Digital Data Archiving Program**

A goal of the Division is to develop a searchable relational database for all LC users to document all preservation treatments and chemical/physical analyses and tests that are performed on collection objects. The first step has been the development of a testing database, which includes searchable parameters regarding vendors, commercial product designations, test results, and other data for housing materials. Test data from years prior to the inception of the database is being added to make search results as comprehensive as possible. In fiscal 2006, 726 new records from current testing, old testing, and from the digital media Natural Aging Study were added.

The Division is digitally documenting two LC collections that are important in preservation research and testing. One is the Forbes Pigment Collection, which contains digital microscopy photographs and a variety of spectra of the pigments. A second is the TAPPI Fiber collection, which contains digital polarized light microscopy photographs and SEM-EDS spectra of the fibers. In fiscal 2006, 60 polarized light microscopy images and 80 SEM-EDS spectra were added to the database.

### **Audio/Visual Media Research Program**

#### **Magnetic Media Identification and Deterioration**

This research program focuses on the causes of degradation of magnetic media (film and tape), to develop approaches for preservation treatments and for sampling collections for chemical species that potentially can be used to predict the state of deterioration of the media. The Gel Permeation Chromatography of Magnetic Media Polymers Project focuses on “sticky shed syndrome” determine the cause of the phenomenon and its treatment. A new state-of-the-art high-temperature gel permeation chromatograph (HT-GPC) is providing quantitative data, and 285 experiments were performed to optimize instrumental conditions, develop the methodology, and perform materials analyses.

Closely related is the Direct Analysis in Real Time Mass Spectrometry (DART-MS) of Magnetic Media Project, which has as its goal performing “fingerprint” analysis of the magnetic media analyzed by HT-GPC above to develop quick diagnostic methods for analyzing media collections and environments. In fiscal 2006, 240 experiments were conducted to optimize conditions and define how the instrument can be used for non-destructively characterizing magnetic media.

### **Traditional Media Research Program**

#### **Forensic Analytical Services Program**

The Division conducted over 2500 physical and chemical analyses of a variety of materials brought to the lab by curators and conservators to identify and characterization unknown materials. Advanced analytical instrumentation used in this program includes a FT-IR microscope, scanning electron microscope with energy dispersive x-ray spectroscopy (SEM-EDS), x-ray fluorescence spectrometer (XRF), digital polarized light microscope, digital fluorescence microscope, and a Direct Analysis in Real Time mass spectrometer (DART-MS). Highlights include a collaboration with the LC Kislak fellow in analysis of the Kislak collection, which suggests that some items have surface residues of possibly human fluids that need to be further investigated to develop special preservation strategies; research to identify dyes and other substances on the Waldseemüller map and other collection items; analysis of a map of question origin; identification of pigments and adhesive used in 18<sup>th</sup>-19<sup>th</sup> century Chinese costume paintings on pith; characterization of charcoals used in drawings by Joseph Pennel; and coatings on book-cloth under consideration for use in constructing protective enclosures for items in the Minassian Collection.

#### **Longevity of Paper**

This research program is currently focused on aging and analysis of paper, having two on-going research projects and a new one. The ASTM-sponsored 100-year project on the Natural Aging of Papers Project is continuing in collaboration with four other laboratories and 10 libraries across the US and Canada, including NARA, IPI, FPL, and CCI. The next group of material for analysis is scheduled to arrive during the summer of 2008.

The on-going Accelerated Aging of Papers Project builds on previous research that identified chemical decomposition products from accelerated aging tests that are most closely related to products from natural

aging. Current research focuses on determination of degradation products formed from experiments performed at just-above-ambient temperatures, bridging the gap between natural aging and higher temperature accelerated aging. Methods using ion chromatography (IC) for determination of small carbohydrate fragments from cellulose were refined in collaboration with a scientist from the University of Maryland-Baltimore County.

A new project, the Direct Analysis in Real-Time Mass Spectrometry (DART-MS) of Paper, develop analytical methodology that will incorporate direct sampling, analysis, and chemical fingerprinting of paper that has been subjected to natural and accelerated aging, and to mass deacidification processes, to provide an approach for quickly evaluating the degradative state of paper collections and their environments. In fiscal 2006, 154 experiments were conducted to optimize conditions and define how the instrument can be used for the analysis of paper-based materials.

#### **Micro-Spectrophotometric Measurement of Fading Project**

A new research project is underway to quantitatively measure fading of pigments, inks, and other materials using a non-destructive micro-spectrophotometer. A total of 8492 experiments were performed to fully characterize the instrument and the methodology.

#### **Iron Gall Ink Stabilization Project**

This on-going project is to determine the chemical mechanism(s) for deterioration of paper that results from iron gall ink and to develop stabilization treatments. Extensive experimental data was obtained in 2005, and work performed in fiscal 2006 involved using advanced statistical tools to perform correlation testing of the data and to obtain an additional 215 data sets using micro-spectrophotometry. Results were presented at the Institute for Paper Conservation Fifth Annual Conference in Edinburgh, Scotland, and a paper will appear in the conference proceedings.

#### **Detrimental Effects of Chemical Migration Project**

This project determines the adverse effects on the collection of long-term contact with poor quality housing materials through migration of degradation products or color bodies. Advanced analytical instrumentation including an automatic pH titrator and a colorimeter/spectrophotometer are used to quantitate the effects. The first phase of the study, completed in 2005, was to gather preliminary data on the aging behavior of a small set of paper and boards to select appropriate test samples and detector strips. The second phase of the study, which resulted in 2052 analyses in fiscal 2006, was to examine the effects of binder boards of various colors, thicknesses, and chemical compositions on a selection of detector strips. Data analysis is currently underway.

#### **Pressure-Sensitive Adhesive Inventory Control and Security Devices Project**

This research project identifies adverse effects from pressure-sensitive adhesive labels on different materials so that a "universal" label can be specified for use in bar-coding and labeling non-book and special collection materials. This project addresses a concern of the LC Joint Issues Group on Labeling (JIG-L), whose charge is to improve and streamline the marking and labeling of all formats received by the Copyright Office and the Acquisitions Directorate. In fiscal 2006, 1760 analyses were performed using a colorimeter/spectrophotometer, which will provide data for both revising current LC Specifications and developing a new one.

#### **Zeolite Efficacy Project**

The Nielsen-Bainbridge Company supported a research Fellow to investigate the use of zeolite molecular sieves as an adsorbent in housing materials to adsorb and trap pollutants in collection storage environments. Research involved performing 1319 experiments using ion chromatography (IC), and results were presented at the American Institute for Conservation 34<sup>th</sup> Annual meeting in June, 2006, and are being prepared for publication. Findings indicated that zeolite containing materials absorbed and trap pollutants faster, although not necessarily any better, than non-zeolite materials.

#### **Environmental Control and Monitoring of Treasure Cases and Vaults Program**

The Division maintains, services, and advises on the construction of highly sophisticated temperature and humidity controlled chambers and display cases. The Division remotely monitors conditions in the Top Treasure Case, the Top Treasure Vault, and the Gutenberg and Mainz Bible cases, and conducts bimonthly on-site inspections. In fiscal 2006, the Division facilitated and supervised 62 repairs and maintenance services to the cases.

A new initiative that was begun in 2005 and continues in 2006 involves design and manufacture of the Waldseemüller map encasement. Engineers and designers from NIST who built the display cases for the Charters of Freedom at the National Archives are working with LC to build an encasement for permanent storage of the Waldseemüller map. Specifications for the encasement involve using state-of-the-art materials and micro-analytical instrumentation for maintaining and monitoring the map's environment.

The expertise of the Division in environmental control and monitoring was recognized by the Governor of Pennsylvania who invited the Division to advise them on environmental control of their new special library that will house their collection of Benjamin Franklin papers, which are in an advanced stage of brittle book syndrome.

### **Quality Control and Assurance Program**

#### **Capitol Visitors Center Materials Testing Project**

The collaboration between the Division and NARA on the analysis of all materials to be used in display cases in the new Capitol Visitors Center continued. This work, which resulted in 102 analyses, involved using an electrochemical test—the Oddy Test—to predict which materials will be acceptable for display housing of collection materials.

#### **Properties Testing**

The Division's Quality Control and Assurance Program ensures that collection items in all formats are housed only in the highest quality materials to minimize deleterious environment effects on the collection. Materials procured through the Preservation Supply Catalog, and by individual divisions, are required to meet the Division's specifications and be subjected to rigorous testing prior to acceptance. Advanced analytical instrumentation used in this program include a tear tester, bending resistance tester, brightness meter, rub tester, abraser, fold endurance tester, densitometer, tensile energy and strength tester, automatic pH titrator, Fourier Transform infrared (FT-IR) microscope, and aging ovens. In fiscal 2006, 87 items composed of various materials were characterized, including paper, card, board, book-cloth, plastics, film, and others. These materials are evaluated for their suitability for storage based on multiple parameters, constituting a total of 1587 tests.

#### **Mass Deacidification Quality Control and Assurance Program**

This specialized quality control and assurance program provides independent quality control and quality assurance (QC/QA) analyses of the LC mass deacidification project that uses the "Bookkeeper" process developed by Preservation Technologies, L.P. Advanced instrumentation including an automatic titrator and an inductively-coupled plasma optical emission spectrometer (ICP-OES) are used in the analysis of test books, test papers, and research samples that can provide an evaluation of the technology. In fiscal 2006, 452 analyses were conducted.

#### **Safety Assurance Program**

The Division is periodically called upon to perform analyses of materials that might potentially pose a health and safety risk to users, to help with abatement of potential hazards to collection materials, and to otherwise provide leadership in LC health and safety initiatives. In fiscal 2006, the Division identified the presence of uranium in the Dayton C. Miller Flute Collection and made recommendations regarding safe handling procedures. The Division also provided the vacuum facility and other resources for abating a major pest infestation of a large book collection. The Division developed new strategies for best practices in preservation cleaning of vinyl and other audio records, and is working with Conservation to develop a strategy for addressing mold in paper and other collections.

#### **Standards and Specifications Program**

A Division staff member continues to serve as Chair of the ASTM D14.50 task group on Hot Melt, Pressure-Sensitive, and Archive Adhesives, which is part of the D14 Adhesives Committee. Revisions to standards D3121 and D6463 were successfully balloted and approved, which pave the way for standardization of test methods among various other ASTM committees. Other recently balloted standards have inadequate Precision and Bias (P&B) statements, and the Chair will be leading a new initiative to formalize and standardize the way that P&B statements are written to ensure that all standards provide consistent and appropriate repeatability and reproducibility data. The Chair continues to direct work on the development of two new standard specifications and a test method, and is collaborating with scientists from the National Archives and Records Administration (NARA), Yale University, New York University, Forest Products

Laboratories, and technical representatives of 3M Company, Flexcon, Data2, Avery, Gaylord, Computype, and Watson Label Products, to codify requirements for permanent archival-quality label stock.

Internally, the Specification Discussion Group addressed the revision of the PRTD specifications for stiffness and smoothness of card and board stock, and for corrugated board products used in pre-made boxes and boxes made by the automated box tester in the Binding and Collections Care Division. Scientists at the National Archives and Records Administration (NARA) collaborated with PRTD in an interlaboratory study to compare testing results from both labs, which are being used to help evaluate and revise the specifications.

### **Infrastructure Support Program**

As part of its mission, PRTD is responsible for assessing technology to ensure the continued availability of the permanent research collections. This includes working closely with Conservation, other offices of the Library, and the AOC to assure appropriate environmental conditions for the display, housing, and storage of all collection materials. To accomplish this mission, in fiscal 2006 the Division made quality assurance recommendations to the AOC regarding materials to be used in the larger physical plant including on-campus Secure Storage Facilities and off-campus storage facilities such as Ft. Meade. Such recommendations included interior latex wall paints, floor coatings, fireproofing materials, and others. The Division worked on the NFPA 909 Committee to address global preservation strategies in terms of prevention of fire, water, and smoke damage to collections. A new initiative in fiscal 2006 involves collaborating with Conservation to provide advice to the AOC and the Library regarding the design and implementation of the new Secure Storage Facilities in regard to fire-protection and collection environment.

More new infrastructure initiatives were begun in fiscal 2006 to improve the Division's ability to evaluate existing preservation strategies and initiate and conduct original research, testing, and technology assessment. Major restructuring of the laboratory space was begun, including removal of 25 year old equipment and purchasing new instruments and other technologies to bring the laboratory to the state-of-the-art. Applications of new technologies for use in forensic analysis of collection materials and environments, including Solid Phase Micro Extraction (SPME), hand-held X-ray fluorescence, and digital imaging were identified and investigated. New digital forms and procedures for submission of electronic requests, maintaining electronic reports, and tracking data linked to research and testing of collection objects and housing materials were created. The PRTD statistics and other information were added to the annual report in a networked location, and a detailed compilation of services provided by PRTD was added to the Annual Call. Scientific research laboratory best practices guidelines were drafted to address scientific research, scientific ethics, chemical hygiene, and others to maximize efficiency, quality control, health, and safety. An Excel database to track Quality Control/Quality Assurance data for the Mass Deacidification Program was created, and a new quality control/quality assurance procedure for use by both the Library and the contractors was developed and implemented. Recommendations regarding new sources of funding for internships and local colleges/universities that could become involved in collaborations were made.

### **Fellows and Interns Training Program**

The Division hosted three interns and fellows. HACU Fellow Michelle Ann Sanchez, who will be earning her BS in Chemistry from Regis University, worked on the Micro-Spectrophotometric Measurement of Fading Project. Nielson-Bainbridge Fellow Cindy Connelly Ryan completed an initial phase of the **Zeolite Efficacy Project**. University of Michigan Alternative Spring Break Intern Zhengfei Liu initiated the development of a relational database for the **Mass Deacidification Quality Control and Assurance Program**.

### **Mass Deacidification Program**

To extend the life and utility of collections through appropriate treatment and technologies, the Directorate deacidified more than 298,800 books and 1,069,500 document sheets as part of its 30-year initiative to stabilize over 8.5 million general collection books and at least 30,000,000 pages of manuscripts. Deacidification is an economic approach to keeping books and manuscripts available in usable form. It results in extending the useful life of acidic and slightly brittle paper by a minimum of 300%. This assures in most cases that treated books will survive for 300 to 1000 years rather than becoming extremely brittle, degraded, and unusable in less than a century, requiring much more expensive reformatting at over 600% of the cost of deacidification. The technology thus achieves economies of scale and future cost-avoidance as a dramatic preventive preservation activity.

With a successful mass deacidification program in place since 1995, the Library has to date extended the useful life of nearly 1.7 million books and 4 million sheets of manuscript materials from the national library collections. The Library initiated a new 5-year deacidification services contract that will result in saving 1,250,000 books and 5+ million sheets of original manuscript materials.

Achieving another important objective of its Thirty Year (One Generation) Mass Deacidification Plan, the Library was able to make full use for the fourth year of a single-sheet treatment cylinder that is operated onsite in the chemistry research and testing laboratory in the Madison building. On average, over 4,000 pages of manuscripts are deacidified each day. This Bookkeeper single-sheet treater and an associated spray booth meet all of the Library's published technical, environmental, health, and safety requirements for mass deacidification. The non-book treatment system is operated and maintained by the contractor, enabling the Library to obtain onsite deacidification services to ensure the longevity of unbound collections materials that are too invaluable to be transported to the vendor plant near Pittsburgh, where the Library's books continue to be deacidified.

With oversight and training provided by the Library's preservation staff, a contract staff of fifteen persons handles the selection, charging-out, packing, shipping, and receipt of about 5,000 books each week, while two additional contract personnel operate the onsite treater that results in weekly deacidification of nearly 20,000 sheets of manuscripts.



Figure 1. Dr. Carl Haber demonstrates scanning a record to Drs. Billington and Deanna Marcum.



Figure 2. Dr. Carl Haber shows the digital scan of the record track.



Figure 3. Mock up of Walseemueller map support structure being reviewed at NIST.



ANNUAL REPORT FY2006

APPENDIXES I - X

Library of Congress - Preservation Directorate

Appendix I - Publications FY2006

	PD Employee Name (Last, First) [and partners]	Division	Publication Title (article)	Publication Title	Publisher Name and Place	Publication Date
1.	Connelly Ryan, Cindy, Elmer Eusman, Holly Kruger, Linda Stiber Morenus, Heather Wanser	PRTD	Optimizing Ink Corrosion Treatment Protocols at the Library of Congress	Institute of Paper Conservation 5th International Conference Papers, Edinburgh, 2006	Institute of Paper Conservation/Institute of Conservation, UK	Publication submitted July, 2006
2.	Fiehler, Judith	PD	Resources for Martinu Research at the Library of Congress		Martinu Newsletter, Prague, Czech Republic	Spring 2006
3.	Grossman, Annlinn	CD	...the shuffle of things: property, properties, and propriety	AIC: Book and Paper Group Annual	AIC/BPG USA	Forthcoming
4.	Grossman, Annlinn	CD	Keeping It Together: Conservation, Context, and Cultural Materials	Contributions to the IIC Munich Congress	IIC UK	Aug-06
5.	Hodson, James	PRD	Towards a Wholistic View of Digital Preservation	21st Annual Computers in Libraries 2006: Collected Presentations	Information Today	31-Mar-06
6.	Khan, Yasmeen	CD	Articulating Preservation: A Description of Activities at the Library of Congress	in The Proceedings of the 2004 International Symposium for Conservation of Paper and Textiles	National Center for Research and Preservation of Cultural Properties, Taiwan,	2006
7.	Morenus, Linda Stiber [and Katherine Blood, LS/C&S/P&P]	CD	A Technical Study of Joseph Pennell's Pastels and Charcoals	Institute of Paper Conservation 5th International Conference Papers, Edinburgh, 2006	Institute of Paper Conservation/Institute of Conservation, UK	Publication submitted July, 2006
8.	Murray, Ronald	PRD	Managing a Quality Digitization Practice in Cultural Heritage Institutions: Statistical Quality Control Tools and Techniques.	Society for Imaging Science and Technology: Archiving 2006	Society for Imaging Science and Technology, Ottawa, Canada	2006
9.	Peckham, Susan [and Linda Blaser, NARA]	CD	Hazardous Holdings, Proceedings of the AIC Archives Discussion Group	AIC Book and Paper Annual, volume 25	AIC, Washington, DC	2006
10.	Vogt-O'Connor, Diane [and Mary Lynn Ritzenthaler, NARA]	CD		Photographs: Archival Care and Management.	Society of American Archivists: Chicago.	Aug-06
11.	Vogt-O'Connor, Diane	CD	NARA's Oldest Partners: Affiliated Archives	Prologue	Quarterly Journal of the National Archives and Records Administration	Summer 2006
12.	Zimmermann, Carole	PRTD	Saving the Silent Avenger	Library Services News	Library of Congress, Washington, DC	July-Sept. 2005

**Library of Congress - Preservation Directorate**  
**Appendix II - Presentations FY2006**

	<b>PD Employee Name (Last, First) [and partners]</b>	<b>Division</b>	<b>Presentation Title</b>	<b>Organizing Institution</b>	<b>Presentation Date</b>
1.	Albro, Sylvia (Invited Speaker)	CD	Conservando le Memorie di una Nazione (Saving the Memories of a Nation) in Italian	Scientific Methodology applied to Cultural Heritage	06/09/06
2.	Albro, Sylvia (Invited Speaker and chair of one session)	CD	Cercando la Carta di Fabriano nella Library of Congress (Searching for Fabriano Paper in the Library of Congress Special Collections) in Italian	International Paper Historians/Cartiere Milliani Fabriano	06/16/06
3.	Centeno, Miriam	BCCD	"Editioning Metaphors of Women's Lives."	The Friends of Dard Hunter	10/21/05
4.	Connelly Ryan, Cindy (with Lambertus van Zelst, Jeanette Adams, Nels Olson)	PRTD	Performance Evaluation of Boards Containing Calcium Carbonate and Zeolites	American Institute for Conservation	06/19/06
5.	Dekle, Claire	CD	conservation clinic	LC Special Events Office	01/06/06
6.	Drewes, Jeanne	BCCD	"prepare for the worst, hope for the Best, Using a Library Disaster Plan Template to prepare	American Association of Law Libraries	07/11/06
7.	Drewes, Jeanne	BCCD	Preservation Partners: Engaging Staff in Preservation Efforts	Int. Federation of Library Associations	08/21/06
8.	Elmer Eusman (with Cindy Connelly Ryan, Holly Krueger, Linda Stiber Morenus, Heather Wanser)	PRTD	Optimizing Ink Corrosion Treatment Protocols at the Library of Congress	Institute for Conservation/Institute for Paper Conservation	06/28/06
9	Fiehler, Judith	PRES/O	Music from Dvorak's America	Czech-American cultural relations	06/20/06
10.	Grossman, Annlinn	CD	... the shuffle of things: property, properties, and propriety	American Institute for Conservation	06/19/06
11.	Grossman, Annlinn	CD	Keeping It Together: Conservation, Context, and Cultural Materials	International Institute for Conservation of Historic and Artistic Works (IIC)	08/28/06
12.	Grossman, Annlinn	CD	Introduction to Paper Conservation	Library of Congress	06/06/06
13.	Haley, Alan	CD	Emergency Preparedness and Salvage of Library Collections (PowerPoint presentation)	University of Alabama, Tuscaloosa, AL	05/23/06
14.	Haley, Alan	CD	Preparacion para emergencias para museos, archivos y bibliotecas (digital video conference)	Dept. of State with CAO, Lima, Peru	05/09/06
15.	Haley, Alan	CD	Salvage of Wet Library Materials Workshop	University of Alabama, Tuscaloosa, AL	05/24/06
16.	Haley, Alan	CD	Preservation on Parade	Library of Congress "Song of America Tour" with University of Mississippi	03/23/06
17.	Haley, Alan	CD	Preservation on Parade	Library of Congress "Song of America Tour" with San Jose, CA Performing Arts Center	06/02/06
18.	Haley, Alan	CD	LC Wet Salvage workshop series (9 total)	initiative to train LC custodial division staff and regional federal librarians outside LC in wet salvage principles and methodology	11/01/05 - 09/01/06
19.	Haun, Werner	BCCD	Introduction to Preservation	FLICC	07/25/06

**Library of Congress - Preservation Directorate  
Appendix II - Presentations FY2006**

	<b>PD Employee Name (Last, First) [and partners]</b>	<b>Division</b>	<b>Presentation Title</b>	<b>Organizing Institution</b>	<b>Presentation Date</b>
20.	Hemmenway, Dana	CD	Handling Photographic Materials - Library of Congress for Junior Fellows Program		06/06/07
21.	Hodson, James	PRD	Towards a Wholistic View of Digital Preservation	Information Today, Inc.	03/23/06
22.	Khan, Yasmeen	CD	The Gutenberg Bible	Mellon Foundation and Library of Congress	02/27/06
23.	Lev-Alexander, Nancy	CD	Developing a Risk Assessment Methodology for Library of Congress Collections	National Fire Protection Association	05/24/06
24.	Morenus, Linda Stiber	CD	A Technical Study of Joseph Pennell's Pastels and Charcoals	Institute for Paper Conservation	07/27/06
25.	Murray, Ronald	PRD	Managing a Quality Digitization Practice in Cultural Heritage Institutions: Statistical Quality Control Tools and Techniques.	Society for Imaging Science and Technology	05/23/06
26.	Jesse Munn	CD	Care of Rare Asian Books	Rare Book School, UVA	10/01/05
27.	Peckham, Susan with Linda Blaser, National Archives	CD	Localized & Overall Flattening Issues; co moderators for 2006 AIC Archives Discussion Group	American Institute for Conservation	06/17/06
28.	Peckham, Susan	CD	Request or Protest: Serving Rolled Petitions to the Public	American Institute for Conservation	06/18/06
29.	Sweeney, Mark	PRD	The U.S. National Digital Newspaper Program: Thinking Ahead, Designing Now	Int. Federation of Library Associations	05/18/06
30.	van der Reyden, Dianne	PRES/O	"Preservatoin Display at the Library of Congress"	Int. Federation of Library Associations	3/6/2006

Library of Congress - Preservation Directorate  
 Appendix III - Raising Awareness FY2006

2/26/2007

	PD Employee Name (Last, First) [and partners]	Division	Activity	As part of	Date
1.	Dekle, Claire	CD	conservation clinic	Song of America Tour - Philadelphia	Jan. 06, 2006
2.	Green, Marlan	CD	Participated in Home Movie Day raising awareness of film preservation for the general public	Home Movie Day	08/12/06
3.	Haley, Alan	CD	Preservation on Parade	Library of Congress "Song of America Tour" with University of Mississippi	03/23/06
4.	Haley, Alan	CD	Preservation on Parade	Library of Congress "Song of America Tour" with San Jose, CA Performing Arts Center	06/02/06
5.	Haley, Alan	CD	LC Wet Salvage workshop series (9 total)	initiative to train LC custodial division staff and regional federal librarians outside LC in wet salvage principles and methodology	11/01/2005 - 09/01/2006
6.	Morenus, Linda Stiber	CD	Guest Lecturer: Taught 5-day conservation workshop to international group of conservators in Amsterdam, Netherlands	Netherlands Institute for Cultural Heritage (ICN) Amsterdam, Netherlands	07/31/2006 - 08/04/2006
7.	Paterson, Dan	CD	Presenter at conservation clinic and power point presentation	Hampson tour	11/15/2005 - 11/16/2005
8.	Paterson, Dan	CD	Presenter of care and handling techniques for summer interns	Copyright summer intern program	06/06/06
9.	van der Reyden, Dianne	PRES/O	"Filmed examining and discussing a Civil War Era" Map	History Detectives	12/16/05
10.	van der Reyden, Dianne	PRES/O	Presentation on "Preservation Display at the Library of Congress"	IFLA	3/6/06 - 3/12/06

**Library of Congress - Preservation Directorate**

**Appendix IV - Interns FY2006**

	<b>Intern Name (Last, First)</b>	<b>Internship/Fellowship Funding</b>	<b>Conservation Program</b>	<b>Dates</b>
1.	Chen, Mei-Chun	INA	Tainan National University of the Arts, Taiwan (CD)	09/01/05-09/15/06
2.	Connelly Ryan, Cindy	Nielsen-Bainbridge	Use of zeolites in boards (PRTD)	10/01/05 - 06/01/06
3.	Cox, Netta	CIRLA Fellow	Internship coordinated through Conservation that combined preservation and MBRS	04/01/06 - 07/01/06
4.	Lewincamp, Sophie	Harper Inglis	University of Canberra, Australia (CD)	09/01/05 - 09/15/06
5.	Lui, Zhengfei		University of Michigan Alternative Spring Break Internship	02/27/06 - 03/03/06
6.	Morey, Hector	CIRLA Fellow	Internship coordinated through Conservation that combined preservation and MBRS	05/01/06 - 08/01/06
7.	Sanchez, Michelle	HACU	Characterization of micro-spectrometer used to measure materials fading (PRTD)	06/01/06-08/01/06
8.	Thurn, James	Cecil and Michael Pulitzer Book Conservation Fellowship	University of Texas at Austin (CD)	09/06/05 - 06/24/06
9.	Talley, Trojovon	HACU	Characterization of micro-spectrometer used to measure materials fading (PRTD)	09/01/06-12/01/06

**Library of Congress - Preservation Directorate**  
**Appendix V - Professional Activities FY2006**

	<b>PD Employee Name (Last, First) [and</b>	<b>Division</b>	<b>Position (in LC)</b>	<b>Outside Entity</b>	<b>Designated Role</b>
1.	Albro, Sylvia	CD	Senior Paper Conservator	American Institute for Conservation	Book and Paper Group Nominating committee
2.	Bertonaschi, John	CD	Senior Rare Book Conservator	Guild of Book Workers	Secretary
3.	Connelly Ryan, Cindy	PRTD	preservation specialist	American Institute for Conservation - RATS	Assistant Program Chair
4.	Connelly Ryan, Cindy	PRTD	preservation specialist	American Institute for Conservation - RATS	Secretary
5.	Connelly Ryan, Cindy	PRTD	preservation specialist	American Institute for Conservation - RATS	Treasurer
6.	Drewes, Jeanne	BCCD	Chief	American Library Association	Member at large PARS
7.	Drewes, Jeanne	BCCD	Chief	American Library Association	Chair, PPP Committee PARS
8.	Eusman, Elmer	PD	Assistant to the Director	American Institute for Conservation - BPG	Chair
9.	Fiehler, Judith	PD	computer specialist	Combined Federal Campaign	Loaned Executive
10.	Green, Marlan	CD	Audiovisual Preservation Specialist	American Institute for Conservation	Program Chair
11.	Grossman, Annlinn	CD	Paper Conservator	IMLS	Grant Reviewer
12.	Haley, Alan	CD	Preservation Specialist	Int. Federation of Library Associations	Volunteer
13.	Haude, Mary	CD	Preservation Specialist/Senior Paper Conservator	American Institute for Conservation	Program Chair
14.	Hemmenway, Dana	CD	Senior Photograph Conservator	American Institute for Conservation	Secretary/Treasurer for Photograph Materials Group - AIC
15.	Khan, Yasmeen	CD	Rare Book Conservator	Book Conservation Catalog, American Institute of Conservation	Working Group Member
16.	Lev-Alexander, Nancy	CD	Head, Preventive Conservation Section	National Fire Protection Association	Committee/Working Group Member
17.	Lev-Alexander, Nancy	CD	Head, Preventive Conservation Section	Guild of Book Workers	Chair
18.	Long, Leslie	BCCD	Collections Care Librarian	American Institute for Conservation	Volunteer (Angels Project)
19.	Morenus, Linda Stiber	CD	Senior Paper Conservator	American Institute for Conservation	Committee/Working Group Member
20.	Morenus, Linda Stiber	CD	Senior Paper Conservator	Book & Paper Group Coordinating Committee for the International Conference "Printed on Paper"	Speaker selection, grant writing in support of conference, organization
21.	Peach, Kimberly	BCCD	Library Technician	Archive of American Folklife	Volunteer
22.	van der Reyden, Dianne	PRES/O	Director for Preservation	American Research Libraries	Committee member for Future of Preservation in ARL
23.	van der Reyden, Dianne	PRES/O	Director for Preservation	NFPA CUL-AAA Pre-ROP Meeting, San Simeon, CA	Attending Conference
24.	van der Reyden, Dianne	PRES/O	Director for Preservation	ALA Midwinter Meeting, San Antonio, TX	To attend the ALA Midwinter Meeting to serve as the North American representative of IFLA's Core Program for Preservation and Conservation (PAC).
25.	van der Reyden, Dianne	PRES/O	Director for Preservation	IFLA PAC Directors Meeting, Paris, France	Invited speaker
26.	van der Reyden, Dianne	PRES/O	Director for Preservation	International Microform Roundtable, Princeton, NJ	To participate in the International Microfilm Roundtable discussion
27.	van der Reyden, Dianne	PRES/O	Director for Preservation	34th Annual AIC Meeting, Providence, RI	Committee member

**Library of Congress - Preservation Directorate**  
**Appendix V - Professional Activities FY2006**

	<b>PD Employee Name (Last, First) [and</b>	<b>Division</b>	<b>Position (in LC)</b>	<b>Outside Entity</b>	<b>Designated Role</b>
28.	van der Reyden, Dianne	PRES/O	Director for Preservation	Institute for Paper Conservation Conference, Edinburgh, Scotland	Attending Conference
29.	van der Reyden, Dianne	PRES/O	Director for Preservation	American Research Libraries	Committee member
	Youket, Michele	PRTD	Preservation Specialist	American Society for Testing & Materials	Chair D14.50; Working Group Member D10, F05
31.	Youket, Michele	PRTD	Preservation Specialist	Government Information Preservation Working Group	Committee/Working Group Member
32.	Youket, Michele	PRTD	Preservation Specialist	DVD Association	Committee/Working Group Member



Library of Congress - Preservation Directorate

Appendix VI - LC Committee Membership FY2006

	(Last, First)	Division	Committee Name	Charge	Status	Membership Type
1.	Adams, Jeanette	PRTD	COOP	Develop COOP	Completed	Member
2.	Adams, Jeanette	PRTD	Digital Documentation Group	Research digital documentation options for CD and PRTD	Suspended	Member
3.	Adams, Jeanette	PRTD	MBRS working group	Work with MBRS in IRENE and collaborative efforts	Active	Member
4.	Adams, Jeanette	PRTD	Strategic Plan Working Group	Develop environmental requirements for collections (Nancy Lev-Alexander, Leader)	Active	Member
5.	Adams, Jeanette	PRTD	Topics in Preservation Science Team	Handle TOPS logistics	Active	Member
6.	Adams, Jeanette	PRTD	Waldseemueller Exhibition Group	Work with NIST on Waldseemueller map case	Active	Member
7.	Adams, Jeanette	PRTD	LC Health and Safety Committee	Perform inspections of LC spaces	Completed	Volunteer
8.	Adams, Jeanette	PRTD	NFPA 909 Committee	Develop NFPA 909 rules	Active	Member
9.	Adams, Jeanette	PRTD	Specifications Committee	Work on protocol for materials specifications	Active	Member
10.	Albro, Sylvia	CD	Strategic Plan Working Group	4.D.2 Provide specialized training	Active	Member
11.	Albro, Sylvia	CD	Librarian's Office Committee to select Kluge prize winner	member of 1st and 2nd round committees to recommend humanist for prestigious LC Award	Active	Member
12.	Albro, Sylvia	CD	Protocols for iron gall ink treatment	Development of Irongall Ink treatment protocols for labwide use	Active	Member
13.	Albro, Sylvia	CD	Fellowship, Internship and Training Group	Coordinate Paper conservation Fellowship program	Active	Team Leader
14.	Bethea, Clifton	BCCD	Dock Management Task Force	Developing a Clean Dock Policy	Active	Member
15.	Bertonaschi, John	CD	Policies and Procedures Group	Define existing policy and procedures throughout CD	Completed	Member
16.	Burgess, Angela	CD	Topics in Preservation Science Team		Active	Volunteer
17.	Chaffee, Kaare	CD	Waldseemueller Exhibition Group		Active	Member
18.	Chaffee, Kaare	CD	Strategic Plan Working Group		Active	Member
19.	Chaffee, Kaare	CD	Digital Documentation Group		Active	Member
20.	Chaffee, Kaare	CD	R.I.P.		Active	Member
21.	Chaffee, Kaare	CD	Top Treasures Access Team		Active	Member
22.	Chaffee, Kaare	CD	Capitol Visitor Center Committee		Active	Member
23.	Connelly Ryan, Cindy	PRTD	Emergency Evacuation Team	Disability Monitor, Zone Monitor	Active	Member
24.	Dekle, Claire	CD	Protocols for iron gall ink treatment	Establish lab-wide examination and	Active	Member

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Appendix VI - LC Committee Membership FY2006

	(Last, First)	Division	Committee Name	Charge	Status	Membership Type
25.	Dekle, Claire		Policies and Procedures Group	Create guidebook detailing all Conservation Div. policies and procedures in clear, accessible language, supplemented by standard forms where appropriate. Review and, as needed, recommend new policies and procedures.		Member
26.	Dekle, Claire		Strategic Plan Working Group	Work with other Federal agencies and preservation research facilities and organizations to develop a National Preservation Strategy for both traditional and electronic media that identifies preservation priorities and establishes cooperative programs for addressing them.	Active	Member
27.	Dekle, Claire		Waldseemueller Exhibition Group	For the Waldseemueller map, an extremely valuable and high profile object in the Library's collections, design and fabricate a hermetically sealed argon encasement, safely remove and disassemble the map of its current housing, comprehensively examine and analyze the map, safely install the map in the new encasement, and create policies and procedures for monitoring, displaying and storing the map.	Active	Member
28.	Drewes, Jeanne	BCCD	Casalini	to create shelf ready materials	Active	Member
29.	Eusman, Elmer	PD	COOP	Continuation of Operations Plan	Active	Member
30.	Eusman, Elmer	PD	WEG	Waldseemüller Map Encasement	Active	Coordinator
31.	Fiehler, Judith	PD	PubCC	Publications and Website oversight	active	member
32.	Green, Marlan	CD	Digital Documentation Group	Explore Digital Documentation to further advance its use in the Conservation Division	Active	Chair
33.	Green, Marlan	CD	Collections Emergency Response Team	Respond to Collections Emergencies	Active	Member
34.	Green, Marlan	CD	MBRS working group	Preparation of Collections for relocation to NAVCC	Active	Team Leader

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Appendix VI - LC Committee Membership FY2006

	(Last, First)	Division	Committee Name	Charge	Status	Membership Type
35.	Green, Marlan	CD	Strategic Plan Working Group	Promote, through the National Film Preservation Board and the National Recording Preservation Board, appreciation and preservation of America's creative heritage in film and sound recordings. Describe the Library strategy for implementing the legislation establishing the boards. Propose a strategy to use the boards to present our collections to a broader audience.	Active	Member
36.	Green, Marlan	CD	Irene Advisory Committee	Review digital imaging technology for reproducing grooved recorded sound media	Active	Member
37.	Greek, Ashley W.	CD	Emergency Evacuation Team		Active	Member
38.	Greek, Ashley W.		Collections Emergency Response Team		Active	Member
39.	Grossman, Annlinn	CD	Policies and Procedures Group	Articulating policies and	Active	Team member
40.	Haley, Alan	CD	Strategic Plan Working Group	develop national training and	Active	Member
41.	Haude, Mary	CD	Policies and Procedures Group	draft policies and procedures for CD	Completed	Member
42.	Haude, Mary	CD	Protocols for iron gall ink treatment	establish conservation treatment protocols for LC items with iron gall ink	Active	Member & interim Team Leader
43.	Haun, Werner	BCCD	Labeling Joint Implementation Committee	Implementation of labeling	active	member
44.	Haun, Werner	BCCD	Inventory Management Oversight Committee	Inventory of collections	active	member
45.	Haun, Werner	BCCD	FLICC Preservation & Binding Working Group	Preservation of federal libraries	active	chair
46.	Haun, Werner	BCCD	Public Domain Book Scanning access group	Determine methods for accessing images scanned by Google	suspended	member
47.	Hemmenway, Dana	CD	Digital Documentation Group	Formulate a plan for establishing a	Suspended	Member
48.	Hodson, James	PRD	LS Strategic Planning - National Preservation	Develop a National Preservation	Active	Member
49.	Khan, Yasmeen	CD	Collections Emergency Response Team	Primary and secondary beeper	active	member
50.	Khan, Yasmeen	CD	Fellowship, Intership & Training Group	Book fellowship coordinator	active	Member
51.	Khan, Yasmeen	CD	Emergency Evacuation Team	Alternate Office Emergency Coordinator and alternate disability coordinator	Active	Volunteer
52.	Khan, Yasmeen	CD	Conservation Documentation Initiative	Analog documentation team	Active	Member
53.	Khan, Yasmeen	CD	Protocols for iron gall ink treatment	Create labwide procedures for treatment	Active	Member
54.	Khan, Yasmeen	CD	Policies and Procedures Group	Co-editor for first three chapters and participant	Completed	Member
55.	Khan, Yasmeen	CD	Strategic Plan Working Group	Loan exhibition policy	Active	Member

Library of Congress - Preservation Directorate

Appendix VI - LC Committee Membership FY2006

	(Last, First)	Division	Committee Name	Charge	Status	Membership Type
56.	Khan, Yasmeen	CD	LC Asian American Association	Scholarship Committee	Active	Chair
57.	Megan Keister	CD	Alarmed Cases Team		Active	Member
58.	Megan Keister	CD	Collections Emergency Response Team		Active	Volunteer
59.	Megan Keister	CD	Digital Documentation Group		Active	Member
60.	Megan Keister	CD	Emergency Evacuation Team		Active	Volunteer
61.	Megan Keister	CD	Policies and Procedures Group		Active	Member
62.	Megan Keister	CD	Strategic Plan Working Group		Active	Member
63.	Kidder, Lynn	CONS	Space Committee	various duties	suspended	member
64.	Krueger, Holly	CD	PP & I	Establish Policies and Procedures for the CD	Completed	Chair
65.	Krueger, Holly	CD	LS Strategic Planning	Articulate inherent risk to collections and strategies to mitigate those risks through conservation, binding, reformatting and deacidification	Active	Member
66.	Kullman, Matthew	PRTD	Collections Emergency Response Team		Active	Member
67.	Kullman, Matthew	PRTD	Emergency Evacuation Team		Active	Member
68.	Kullman, Matthew	PRTD	Strategic Plan Working Group	Environmental monitoring of collections.	Active	Member
69.	Kullman, Matthew	PRTD	OEC		Active	Member
70.	Lev-Alexander, Nancy	CD	AOC/LOC working Group		Active	Member
71.	Lev-Alexander, Nancy	CD	Strategic Plan Working Group	Identify environmental risks to collections and propose strategies to improve conditions.	Active	Team Leader
72.	Long, Leslie	BCCD	Collections Emergency Response Team		Active	Volunteer
73.	Morenus, Linda Stiber	CD	Strategic Plan Working Group	4.D.3 Developing a Policy and	Active	Member
74.	Morenus, Linda Stiber	CD	Waldseemuller Exhibition Group	Exhibiting Waldseemuller map	Active	Member
75.	Morenus, Linda Stiber	CD	CD Space Committee	Reorganization of lab space	Active	Member
76.	Murray, Ronald	PRD	LS Strategic Planning - Develop a state-of-the-art preservation research and testing laboratory (1.D.1)	Develop a state-of-the-art preservation research and testing laboratory	Active	Member
77.	Jesse Munn	CD	Strategic Plan Working Group for PRTD	Develop a state of the art preservation	Active	Member
78.	Peach, Kimberly	BCCD	LS working Group, Strategic Plan	Determine the Library's role regarding	Active	Member
79.	Thurn, James		Strategic Plan Working Group	Develop a state-of-the-art preservation research and testing laboratory	Active	Member
80.	Simms, Patricia	BCCD	Dock Management Task Force	ISS	Active	Member
81.	Sweeney	PRD	Internet Oversight Group	Provide oversight of Library internet	Active	Member
82.	Sweeney	PRD	Collections Policy Committee	Provide oversight of Library collection development policies	Active	Member

Library of Congress - Preservation Directorate

Appendix VI - LC Committee Membership FY2006

	(Last, First)	Division	Committee Name	Charge	Status	Membership Type
83.	Sweeney	PRD	LS Strategic Planning - Develop output and format characteristics to provide core and expanded functionality for digital works (2.C.2)	Develop output and format characteristics to provide core and expanded functionality for digital works	Active	Team Leader
84.	Thomas	PRD	LS Strategic Planning - Develop output and format characteristics to provide core and expanded functionality for digital works (2.C.2)	Develop output and format characteristics to provide core and expanded functionality for digital works	Active	Member
85.	Thomas	PRD	E-Serials	Develop Library Services requirements for w-serial copy right repository	Active	Member
86.	van der Reyden, Dianne	PRES/O	Collections Security Oversight Committee	Security	Active	Member
87.	van der Reyden, Dianne	PRES/O	COOP	Security	Active	Member
88.	van der Reyden, Dianne	PRES/O	NAVCC Steering Committee	Collections care	Active	Member
89.	van der Reyden, Dianne	PRES/O	PubCOM	Collections development	Active	Member
90.	van der Reyden, Dianne	PRES/O	Waldseemueller Exhibition Group	Case development	Active	Member
91.	van der Reyden, Dianne	PRES/O	Developmental Task Force	Funding development	Active	Member
92.	Wang, Hans	CD	AOC/LOC working Group		Active	Member
93.	Wang, Hans	CD	Collections Emergency Response Team		Active	Member
94.	Wang, Hans	CD	Emergency Evacuation Team		Active	Member
95.	Wang, Hans	CD	Space Committee		Active	Member
96.	Wang, Hans	CD	Strategic Plan Working Group		Active	Member
97.	Wanser, Heather	CD	Waldseemueller Exhibition Group		active	member
98.	Wanser, Heather	CD	Top Treasure Access Team		active	member
99.	Youket, Michele	PRTD	Specification Discussion Group	To review, revise, and create	Active	Chair
100.	Youket, Michele	PRTD	ID.1 LS Strategic Planning Group	Develop a state-of-the-art preservation research and testing laboratory to enhance continued activity in "traditional" materials, to sustain an aggressive research effort in audio-visual recordings, and to gradually initiate work in the area of digital preservatio	Active	Member
101.	Zimmermann, Carole	PRDT	Library Services News Committee	Report Preservation Directorate	Active	member
102.	Zimmermann, Carole	PRDT	Public Access Coordinating Committee	Represent PD in establishing public access to Library	Active	member
103.	Zimmermann, Carole	PRDT	Public Access Coordinating Committee. Subcommittee on Signage	Establish policy and conformity of signage used throughout all LC buildings	Active	member
104.	Zimmermann, Carole	PRDT	Reference Roundtable	To stay abreast of reading room/reference issues in LC	Active	member

**Library of Congress - Preservation Directorate**  
**Appendix VII -Conferences Attended FY2006**

	<b>Employee Name (Last, First)</b>	<b>Division</b>	<b>Organizing Institution</b>	<b>Dates</b>	<b>Reason for Attending</b>	<b>Benefit to the Library</b>
1.	Connelly Ryan, Cindy	PRTD	American Institute for Conservation	06/17/06 - 06/19/06	Presenter, Committee member	Advance LC's core services, Establish leadership
2.	Connelly Ryan, Cindy	PRTD	Washington Conservation Guild	various	Career development	Establish leadership
3.	Drewes, Jeanne	BCCD	American Institute for Conservation	06/01/06	Career development	Establish leadership
4.	Drewes, Jeanne	BCCD	American Library Association	06/06/06	Committee member	Establish leadership
5.	Drewes, Jeanne	BCCD	Int. Federation of Library Associations	08/06/06	Presenter	Establish leadership
6.	Eusman, Elmer	PD	American Institute for Conservation	06/17/06 - 06/19/06	Chair BPG	Advance LC's core services, Establish leadership
7.	Gallick, Amy	BCCD	Association of Moving Image Archivists	11/30/05-12/3/05	Career development	To collect and preserve
8.	Grossman, Annlinn	CD	American Institute for Conservation	06/18/06 - 06/19/06	Presenter	To collect and preserve
9.	Grossman, Annlinn	CD	International Institute for Conservation of Historic and Artistic Works	08/28/06 - 09/01/06	Presenter	To collect and preserve
10.	Haley, Alan	CD	Library of Congress, "Capturing Katrina Collections Recovery Experiences"	04/20/06 - 04/21/06	Continuing education	Develop policies and practices that meet 21th century demands
11.	Haude, Mary	CD	American Institute for Conservation	06/16/06 - 06/20/06	Committee member & Career development	Establish leadership
12.	Haun, Werner	BCCD	American Institute for Conservation	6/16/2006-6/20/2006	Career development	Develop policies and practices that ensure highest quality to users
13.	Haun, Werner	BCCD	American Library Association	6/23/2006-6/27/2006	Career development	Develop policies and practices that meet 21th century demands
14.	Haun, Werner	BCCD	National Archives & Records Administration	03/16/06	Career development	Advance LC's core services
15.	Hemmenway, Dan	CD	American Institute for Conservation	06/16/06 - 06/21/06	Committee member	Establish leadership
16.	Hengemihle, Frank	PRTD	NARA	03/16/06	Attend conference on advances in enironmental control of collections	Develop policies and practices that ensure highest quality to users
17.	Hengemihle, Frank	PRTD	National Gallery of Art	10/25/06	Mellon lecture series	Advance LC's core services
18.	Hodson, James	PRD	Computers in Libraries	03/23/06 - 03/24/06	Invited speaker	Methods to connect user to content
19.	Khan, Yasmeen	CD	Yale Center for British Art.	04/01/06	Continuing education	To collect and preserve, deepen understanding of America's cultural, intellectual and social life.
20.	Khan, Yasmeen	CD	ANAGPIC (Graduate Conservation Programs Association	04/28/06	Continuing education	Develop policies and practices that ensure highest quality to users
21.	Kidder, Lynn	CONS	NARA Charters of Freedom Conf.	03/16/06	continuing education	deepen understanding of America's cultural, etc.
22.	Lev-Alexander, Nancy	CD	American Institute for Conservation	06/02/06	Career development	Establish leadership
23.	Lev-Alexander, Nancy	CD	National Fire Protection Association	05/24/06	Committee member	Develop policies and practices that meet 21th century demands
24.	Lev-Alexander, Nancy	CD	Guild of Bookworkers	10/01/05	Event Chair	Establish leadership
25.	Lev-Alexander, Nancy	CD	NARA Conference on Environmental Standards	03/01/06	Continuing education	Develop policies and practices that meet 21th century demands
26.	Moberg, Lisa	CD	American Institute for Conservation	06/17/06 - 06/19/06	Career development	Develop policies and practices that ensure highest quality to users
27.	Morenus, Linda Stiber	CD	Institute for Paper Conservation	07/27/06 - 07/29/06	Presenter	Develop policies and practices that ensure highest quality to users
28.	Morenus, Linda Stiber	CD	Yale Gallery and Center for British Art, New Haven, CT	04/01/06	Continuing education	Deepen undetstanding of America's cultural, intellectual and social life

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**Appendix VII -Conferences Attended FY2006**

	<b>Employee Name (Last, First)</b>	<b>Division</b>	<b>Organizing Institution</b>	<b>Dates</b>	<b>Reason for Attending</b>	<b>Benefit to the Library</b>
29.	Murray, Ronald	PRD	Archiving 2006, Society for Imaging Science and Technology, Ottawa, Canada	05/23/06	Invited speaker	Develop policies and practices that ensure highest quality to users
30.	Murray, Ronald	PRD	Museum Computer Network 2005, Annual Meeting, Boston, MA	11/02/06 - 11/06/05	Continuing education	Develop policies and practices that meet 21th century demands
31.	Olson, Nels	PRES/O	34th Annual AIC Meeting, Providence, RI	06/15/06 - 06/19/06	Committee member	Leadership/Committee Chair
32.	Olson, Nels	PRES/O	Institute for Paper Conservation Conference, Edinburgh, Scotland	07/25/06 - 07/30/06	Attending Conference	Establish leadership
33.	Paterson, Dan	CD	American Institute for Conservation	06/16/06 - 06/19/2006	Continuing education	Develop policies and practices that meet 21th century demands
34.	Peach, Kimberly	BCCD	Folger Shakespear Library, Further Transactions of the Book	03/09/06 - 03/11/06	Continuing education	To collect and preserve
35.	Sweeney, Mark	PRD	ALA Midwinter Meeting	01/20/06 - 01/23/06	Career development	Establish leadership
36.	Sweeney, Mark	PRD	ALA Annual Conference	06/22/06 - 06/26/06	Career development	Establish leadership
37.	Sweeney, Mark	PRD	IFLA/NDNP Newspaper Digitization Conference	05/17/06 - 05/19/06	Invited speaker	Develop policies and practices that meet 21th century demands
38.	Thomas, Deborah	PRD	IFLA/NDNP Newspaper Digitization Conference	05/17/06 - 05/19/06	Committee member	Develop policies and practices that meet 21th century demands
39.	Thomas, Deborah	PRD	Joint Conference on Digital Libraries	06/12/06 - 06/15/06	Career development	Establish leadership
40.	van der Reyden, Dianne	PRES/O	NFPA CUL-AAA Pre-ROP Meeting, San Simeon, CA	10/03/05 - 10/06/05	Attending Conference	Standards Committee
41.	van der Reyden, Dianne	PRES/O	ALA Midwinter Meeting, San Antonio, TX	01/20/06 - 01/22/06	To attend the ALA Midwinter Meeting to serve as the North American representative of IFLA's Core Program for Preservation and Conservation (PAC).	Establish leadership
42.	van der Reyden, Dianne	PRES/O	IFLA PAC Directors Meeting, Paris, France	03/06/06 - 03/12/06	Invited speaker	Presentation
43.	van der Reyden, Dianne	PRES/O	International Microform Roundtable, Princeton, NJ	05/04/06 - 05/06/06	To participate in the International Microfilm Roundtable discussion	Establish leadership
44.	van der Reyden, Dianne	PRES/O	34th Annual AIC Meeting, Providence, RI	06/15/06 - 06/19/06	Committee member	Leadership/Committee Chair
45.	van der Reyden, Dianne	PRES/O	Institute for Paper Conservation Conference, Edinburgh, Scotland	07/25/06 - 07/30/06	Attending Conference	Establish leadership
46.	van der Reyden, Dianne	PRES/O	American Research Libraries	09/27/06 - 09/29/06	Committee member	Establish leadership
47.	Vogt-O'Connor	CD	34th Annual AIC Meeting, Providence, RI	06/15/06 - 06/19/06	Committee member	Leadership/Committee Chair
48.	Vogt-O'Connor	CD	Society of American Archivists, Washington, DC	08/02/06 - 08/06/06	Committee member	Establish leadership
49.	Wang, Hans	CD	National Archives & Records Admin.	03/16/06	Career development	To collect and preserve
50.	Youket, Michele	PRTD	NIST/GIPWoG	10/05/06	Committee member	Develop policies and practices that meet 21th century demands
51.	Youket, Michele	PRTD	ASTM	10/15/05 - 10/17/05	Chair of D14.50; Member of D14.90; D14.D14.04; D14.40; D14.60	Establish leadership
52.	Youket, Michele	PRTD	NIST/GIPWoG	02/02/06	Committee member	Develop policies and practices that meet 21th century demands
53.	Youket, Michele	PRTD	NARA	03/16/06	Attend conference on advances in enironmental control of collections	Develop policies and practices that ensure highest quality to users

**Library of Congress - Preservation Directorate**  
**Appendix VII -Conferences Attended FY2006**

	<b>Employee Name (Last, First)</b>	<b>Division</b>	<b>Organizing Institution</b>	<b>Dates</b>	<b>Reason for Attending</b>	<b>Benefit to the Library</b>
54.	Youket, Michele	PRTD	ASTM	04/23/06 - 04/25/06	Chair of D14.50; Member of D14.90; D14.D14.04; D14.40; D14.60; D10	Establish leadership
55.	Youket, Michele	PRTD	NIST/GIPWoG	06/08/06	Committee member	Develop policies and practices that meet 21th century demands



**Library of Congress - Preservation Directorate**  
**Appendix VIII - Training Received FY2006**

	<b>Employee Name</b>	<b>Division</b>	<b>Course/Classes</b>	<b>Dates</b>	<b>Source</b>	<b>Benefit to the Library</b>
1.	Adams, Jeanette	PRTD	COTR - Contracting Officer Technical Representative Training	09/11/06	LCIU	Develop policies and practices that meet 21th century demands
2.	Adams, Jeanette	PRTD	Compressed Gas Safety	09/07/06	LC On-Line Learning Center	Develop policies and practices that meet 21th century demands
3.	Adams, Jeanette	PRTD	PPE: Hand Protection	09/07/06	LC On-Line Learning Center	Develop policies and practices that meet 21th century demands
4.	Adams, Jeanette	PRTD	PPE: Eye and Face Protection	09/07/06	LC On-Line Learning Center	Develop policies and practices that meet 21th century demands
5.	Adams, Jeanette	PRTD	Library of Congress Information Technology Security Awareness 2006	09/07/06	LC On-Line Learning Center	Develop policies and practices that meet 21th century demands
6.	Adams, Jeanette	PRTD	Hazard Communication for Library of Congress Employees	12/15/05	LCIU	Develop policies and practices that meet 21th century demands
7.	Adams, Jeanette	PRTD	Hazardous Waste Management Training for Library of Congress Employees	12/15/05	LCIU	Develop policies and practices that meet 21th century demands
8.	Adams, Jeanette	PRTD	Momentum: COTR	08/07/06	LCIU	Develop policies and practices that meet 21th century demands
9.	Adams, Jeanette	PRTD	Structured Interview Training	05/10/06	LCIU	Develop policies and practices that meet 21th century demands
10.	Adams, Jeanette	PRTD	Emergency Preparedness Website	02/15/06	LC On-Line Learning Center	Develop policies and practices that meet 21th century demands
11.	Adams, Jeanette	PRTD	AHAP - Automated Hazard Abatement Program Training	03/08/06	LCIU	Develop policies and practices that meet 21th century demands
12.	Adams, Jeanette	PRTD	Collateral Duty Training for Other Federal Agencies	02/21/06	LCIU	Develop policies and practices that meet 21th century demands
13.	Becker, Richard	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
14.	Bertonaschi, John	PRTD	COTR Training	09/11/06 - 09/13/06	LCIU	Develop policies and practices that meet 21th century demands
15.	Bertonaschi, John	CD	Gold Finishing Workshop	02/11/06 - 01/12/06	CCAHA	To collect and preserve
16.	Bertonaschi, John	CD	Hazardous Waste Management	11/30/05	LCIU	Develop policies and practices that meet 21th century demands
17.	Bethea, Clifton	PRTD	COTR Training	09/11/06	LCIU	contract establishment & monitoring
18.	Bodnaruk, Lesia	PRD	Microsoft Excel		USDA	Advance LC's core services
19.	Bodnaruk, Lesia	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
20.	Burgess, Angela	CD	LOC Information Technology Security Awareness 2006	09/21/06	IDTD	Develop policies and practices that meet 21th century demands
21.	Burgess, Angela	CD	COTR Training	09/11/06 - 09/13/06	LCIU	Develop policies and practices that meet 21th century demands
22.	Burgess, Angela	CD	Structured Interview Training	03/09/06	LCIU	Develop policies and practices that meet 21th century demands
23.	Centeno, Miriam	BCCD	History and Use of Medieval Pigments	05/01/06 - 05/05/06	Johns Hopkins University	knowledge of pigments used in books
24.	Centeno, Miriam	BCCD	Preservation	01/01/06 - 01/05/06	Catholica University of America	

**Library of Congress - Preservation Directorate**  
**Appendix VIII - Training Received FY2006**

	<b>Employee Name</b>	<b>Division</b>	<b>Course/Classes</b>	<b>Dates</b>	<b>Source</b>	<b>Benefit to the Library</b>
25.	Chaffee, Kaare	CD	Mellon Photo Workshop	02/27/06 - 03/01/06	LOC (Preservation Directorate)	Develop policies and practices that meet 21th century
26.	Chaffee, Kaare	CD	Security Awareness Training	09/28/06	LOC (Preservation Directorate)	Develop policies and practices that meet 21th century
27.	Chaffee, Kaare	CD	Hazardous Waste Training	01/17/06	LOC (Preservation Directorate)	Develop policies and practices that meet 21th century
28.	Connell, John	PRD	Union Listing with Connexion	03/20/06	OCLC	Advance LC's core services
29.	Connell, John	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
30.	Connelly Ryan, Cindy	PRTD	LC Information Technology Security Awareness 2006	09/26/06	LCIU	Advance LC's core services
31.	Connelly Ryan, Cindy	PRTD	Persona Protective Equipment User Training	09/25/06	U.S. Public Health Service	Advance LC's core services
32.	Connelly Ryan, Cindy	PRTD	X-ray Radiation Safety Protection Training	04/04/06 -04/05/06	U.S. Public Health Service	Advance LC's core services
33.	Connelly Ryan, Cindy	PRTD	Hazard Communication	01/26/06	U.S. Public Health Service	Advance LC's core services
34.	Connelly Ryan, Cindy	PRTD	Hazardous Waste Management Training	12/15/06	U.S. Public Health Service	Advance LC's core services
35.	Connelly Ryan, Cindy	PRTD	Hand and Power Tool Safety	09/08/06	LCIU	Advance LC's core services
36.	Connelly Ryan, Cindy	PRTD	Compressed Gas Safety	09/08/06	LCIU	Advance LC's core services
37.	Connelly Ryan, Cindy	PRTD	PPE: Hand Protection	09/08/06	LCIU	Advance LC's core services
38.	Connelly Ryan, Cindy	PRTD	PPE: Eye and Face Protection	09/08/06	LCIU	Advance LC's core services
39.	Dekle, Claire	CD	Vivek Navale, "Predicting Life Expectancy"	Dec. 21, 2005	TOPS	To collect and preserve
40.	Dekle, Claire	CD	Hazardous Waste Management Training	Jan.17, 2006	LCIU	To collect and preserve
41.	Dekle, Claire	CD	Dawn Olney, "Innovations at the British Library: A High Density, Fully Automated Low Oxygen Environment Storage Facility"	Mar. 12, 2006	TOPS	To collect and preserve
42.	Dekle, Claire	CD	Mark Ormsby, "Conservation Applications of Solid Phase Microextraction"	Apr. 18, 2006	TOPS	To collect and preserve
43.	Dekle, Claire	CD	Mastering Inpainting	May 08 - 12, 2006	AIC	To collect and preserve
44.	Dekle, Claire	CD	Personal Protective Equipment User Training	Jun. 21, 2006	LCIU	To collect and preserve
45.	Dekle, Claire	CD	Contracting Officer's Technical Representative Training	Sep. 11, 2006	LCIU	To collect and preserve
46.	Dekle, Claire	CD	LC Information Technology Security Awareness Training	Sep. 22, 2006	LCIU	Develop policies and practices that meet 21th century demands
47.	Drewes, Jeanne	BCCD	Ethics	09/30/06	LOC	Advance LC's core services
48.	Drewes, Jeanne	BCCD	COTR	10/30/06	LOC	Advance LC's core services
49.	Drewes, Jeanne	BCCD	Respectful Work Place	09/25/06	LOC	Advance LC's core services
50.	Drewes, Jeanne	BCCD	Technology Security awareness	09/06/06	LOC	Advance LC's core services
51.	Fenner, Monica	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
52.	Fiehler, Judith	PD	Momentum COTR	06/06/06	Library of Congress	support Bindings contract
53.	Fiehler, Judith	PD	Momentum FRS	05/11/06	Library of Congress	support Bindings contract accounting

**Library of Congress - Preservation Directorate**  
**Appendix VIII - Training Received FY2006**

	<b>Employee Name</b>	<b>Division</b>	<b>Course/Classes</b>	<b>Dates</b>	<b>Source</b>	<b>Benefit to the Library</b>
54.	Fiehler, Judith	PD	Momentum Requisitions	05/16/06	Library of Congress	support Bindings contract accounting
55.	Greek, Ashley W.	CD	LCITSEC205/LOC Information Technology Awareness 2006	09/25/06	LCIU	Advance LC's core services
56.	Greek, Ashley W.	CD	LCISS1005/Personal Protective Equipment User Training	06/07/06	LCIU	Advance LC's core services
57.	Greek, Ashley W.	CD	LCEPT1010/ Emergency Preparedness- Evacuation Training	05/31/06	LCIU	Advance LC's core services
58.	Greek, Ashley W.	CD	LCEPT1000/ Emergency Preparedness- Basic Evacuation	05/23/06	LCIU	Advance LC's core services
59.	Greek, Ashley W.	CD	LCOCFO1004/ Momentum: Requisitions	05/16/06	LCIU	Develop policies and practices that ensure highest quality to users
60.	Greek, Ashley W.	CD	LCOCFO1000/ Momentum: Desktop Basics and Queries	05/02/06	LCIU	Develop policies and practices that ensure highest quality to users
61.	Greek, Ashley W.	CD	LCOCFO1005/ Momentum: COTR	04/11/06	LCIU	Develop policies and practices that ensure highest quality to users
62.	Greek, Ashley W.	CD	LCOCFO1000/ Momentum: Desktop Basics and Requisitions	03/30/06	LCIU	Develop policies and practices that ensure highest quality to users
63.	Greek, Ashley W.	CD	LCCOTR1000/ COTR training	12/12/05	LCIU	Develop policies and practices that ensure highest quality to users
64.	Greek, Ashley W.	CD	LCISS1003/ Hazard Communication for LOC Employees	12/01/05	LCIU	Advance LC's core services
65.	Green, Marlan	CD	TSP Briefing-Retirement Seminar	09/19/06 -09/21/06	TPAIO	Advance LC's core services
66.	Green, Marlan	CD	Library of Congress Information Technology Security Awareness 2006	09/08/06	TPAIO	Advance LC's core services
67.	Green, Marlan	CD	Personal Protective Equipment User Training	06/21/06	TPAIO	Advance LC's core services
68.	Green, Marlan	CD	Momentum: Desktop Basics and Queries	05/02/06	TPAIO	Advance LC's core services
69.	Green, Marlan	CD	Momentum: COTR	04/13/06	TPAIO	Advance LC's core services
70.	Green, Marlan	CD	COTR - Contracting Officer Technical Representative Training	02/27/06	TPAIO	Advance LC's core services
71.	Green, Marlan	CD	Hazardous Waste Management Training for Library of Congress Employees	01/26/06	TPAIO	Advance LC's core services
72.	Green, Marlan	CD	The Lost 18 1/2 Minutes of the Nixon Presidency	04/11/06	TOPS	Develop policies and practices that meet 21th century demands
73.	Green, Marlan	CD	Innovations at the British Library: A High Density, Fully Automated, Low Oxygen Environment Storage Facility	03/17/06	TOPS	Develop policies and practices that meet 21th century demands
74.	Green, Marlan	CD	The Conservation Scientist Meets Hurricane Katrina	03/02/06	TOPS	Develop policies and practices that meet 21th century demands

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	<b>Employee Name</b>	<b>Division</b>	<b>Course/Classes</b>	<b>Dates</b>	<b>Source</b>	<b>Benefit to the Library</b>
75.	Green, Marlan	CD	VisualAudio: A Preservation Strategy for Fragile Disk Recordings by Means of Photography	10/17/05	TOPS	Develop policies and practices that meet 21th century demands
76.	Greene, Mia	PRES/O	Structured Interview Training	4/12/2006	LCIU	Advance LC's core services
77.	Greene, Mia	PRES/O	2006 Black Women's Conference	6/27/2006	Human Resources Institute	Advance LC's core services
78.	Greene, Mia	PRES/O	Ability to Research, Analyze, and Solve Problems	7/20/2006	Human Resources Institute	Advance LC's core services
79.	Greene, Mia	PRES/O	LC IT Security Awareness	9/25/2006	LCIU	Advance LC's core services
80.	Grossman, Annlinn	CD	All TOPS presentations	misc	TOPS	To collect and preserve
81.	Haley, Alan	CD	How to Write Grants and Understand the Evaluation Process	06/28/06	Homeland Defense Journal	Advance LC's core services
82.	Haun, Werner	BCCD	Structured Interview	01/10/06	LCIU	Advance LC's core services
83.	Haun, Werner	BCCD	Momentum COTR training	08/07/06	LCIU	Advance LC's core services
84.	Haun, Werner	BCCD	A Respectful Workplace	04/13/06	LCIU	Advance LC's core services
85.	Haun, Werner	BCCD	Japanese Paper/Leather repairs	12/07/05	LOC (Preservation Directorate)	Advance LC's core services
86.	Hauver, Mark	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
87.	Heine, Warren	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
88.	Hemmenway, Dana	CD	Personal Protective Equipment	05/17/06	LCIU	Advance LC's core services
89.	Hemmenway, Dana	CD	TOPS - Mark Ormsby	04/18/06	TOPS	Develop policies and practices that meet 21th century demands
90.	Hemmenway, Dana	CD	TOPS - Dr. David P. Pappas	04/11/06	TOPS	Develop policies and practices that meet 21th century demands
91.	Hemmenway, Dana	CD	TOPS - Shelia Waters	05/09/06	TOPS	Develop policies and practices that meet 21th century demands
92.	Hemmenway, Dana	CD	Hazardous Waste Mangement	11/01/05		Develop policies and practices that ensure highest quality to users
93.	Hemmenway, Dana	CD	Structured Interview Training	02/08/06	LCIU	Advance LC's core services
94.	Hemmenway, Dana	CD	Librar of Congress Information Technology Security Awareness	11/27/06	LCIU	Develop policies and practices that ensure highest quality to users
95.	Hemmenway, Dana	CD	TOPS - Coatings on Photographs	11/30/06	TOPS	Develop policies and practices that meet 21th century demands
96.	Hemmenway, Dana	CD	TOPS - Katrina Recovery	05/02/06	TD	Develop policies and practices that ensure highest quality to users
97.	Hemmenway, Dana	CD	Andrew W. Mellon Workshop: Preventive Conservation for Photographic Materials	02/27/06 - 03/01/06	Andrew W. Mellon Foundation	Develop policies and practices that meet 21th century demands
98.	Hengemihle, Frank	PRTD	COTR - Contracting Officer Technical Representative Training	12/12/05 - 12/14/05	LCIU	Advance LC's core services
99.	Hengemihle, Frank	PRTD	Hazardous Waste Management	12/15/05	LCIU	Advance LC's core services
100.	Hengemihle, Frank	PRTD	Hazard Communication for Library of Congress Employees	01/26/06	LCIU	Advance LC's core services
101.	Hengemihle, Frank	PRTD	Radiation Safety	04.04.06	LCIU	Advance LC's core services
102.	Hengemihle, Frank	PRTD	Personal Protective Equipment	09.12.06	LCIU	Advance LC's core services

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	<b>Employee Name</b>	<b>Division</b>	<b>Course/Classes</b>	<b>Dates</b>	<b>Source</b>	<b>Benefit to the Library</b>
103.	Hengemihle, Frank	PRTD	LC Information Technology Security Awareness	09.25.06	LCIU	Advance LC's core services
104.	Hodson, James	PRD	Microsoft Project	07/13/06	USDA	Advance LC's core services
105.	Hodson, James	PRD	Microsoft Access Advanced	07/26/06	USDA	Advance LC's core services
106.	Hodson, James	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
107.	Jackson, Denise	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
108.	Jesse Munn	CD	Hazardous Wast Management	12/01/05	LC	
109.	Jesse Munn	CD	ITS Awareness Training	09/07/05	LC	
110.	Jesse Munn	CD	Preservation and Care of Asian Rare Collections, Prange Collection at UMD	02/15/06	UMD and National Diet Library	Enhance and exchange professional skills and approaches to care for rare Asian collections.
111.	Khan, Yasmeen	CD	Hazardous Waste Management Training	12/15/06	LCIU	Develop policies and practices that meet 21th century demands
112.	Khan, Yasmeen	CD	Emergency Response Wet Salvage Training	01/24/06	LOC (Preservation Directorate)	To collect and preserve
113.	Khan, Yasmeen	CD	Photographs and Preventive Conservation: Theory, Practise and Implementation	02/27/06 - 03/11/06	LOC (Preservation Directorate)	Develop policies and practices that ensure highest quality to users
114.	Kullman, Matthew	PRTD	Hazardous Waste Management Training For Library Of Congress Employees	12/01/05	LCIU	Develop policies and practices that meet 21th century demands
115.	Kullman, Matthew	PRTD	Hazard Communication For Library Of Congress Employees	01/26/06	LCIU	Develop policies and practices that meet 21th century demands
116.	Kullman, Matthew	PRTD	Radiation Safety	04/04/06	LCIU	Develop policies and practices that meet 21th century demands
117.	Kullman, Matthew	PRTD	College Chemistry II	01/06-05/06	Northern Virginia Community College	Develop policies and practices that meet 21th century demands
118.	Kullman, Matthew	PRTD	Personal Protective Equipment User Training	06/21/06	LCIU	Develop policies and practices that meet 21th century demands
119.	Kullman, Matthew	PRTD	COTR- Contracting Officer Technical Representative Training	09/11/06 - 09/13/06	LCIU	Develop policies and practices that meet 21th century demands
120.	Kullman, Matthew	PRTD	Library Of Congress Information Technology Security Awareness 2006	09/19/06	LCIU	Develop policies and practices that meet 21th century demands
121.	Long, Leslie	BCCD	19th Century Printing and Publishing	07/24/06 - 07/28/06	Rare Book School	To collect and preserve
122.	Megan Keister	CD	LC IT Security Awareness	09/26/06		Develop policies and practices that meet 21th century demands
123.	Megan Keister	CD	Hazardous Waste Management	09/27/06		Develop policies and practices that meet 21th century demands
124.	Megan Keister	CD	Hazard Communication	09/27/06		Develop policies and practices that meet 21th century demands
125.	Megan Keister	CD	Personal Protective Equipment User Training	05/17/06		Develop policies and practices that meet 21th century demands
126.	Megan Keister	CD	Momentum: Purchase Card	01/31/06		Advance LC's core services
127.	Megan Keister	CD	Momentum: Requisitions	01/26/06		Advance LC's core services

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	Employee Name	Division	Course/Classes	Dates	Source	Benefit to the Library
128.	Megan Keister	CD	Momentum: Desktop Basics	01/19/06		Advance LC's core services
129.	Moberg, Lisa	CD	Hazardous Waste Management Training for Library of Congress Employees	09/27/06	LCIU	Advance LC's core services
130.	Moberg, Lisa	CD	Library of Congress Information Technology Security Awareness 2006	09/19/06	LCIU	Advance LC's core services
131.	Moberg, Lisa	CD	Personal Protective Equipment User Training	06/07/06	LCIU	Advance LC's core services
132.	Moberg, Lisa	CD	Peter Waters:...	05/09/06	TOPS	To collect and preserve
133.	Moberg, Lisa	CD	Conservation Applications of Solid-Phase Microextraction	04/18/06	TOPS	Advance LC's core services
134.	Moberg, Lisa	CD	The Lost 18 1/2 Minutes of the Nixon Presidency	04/11/06	TOPS	To collect and preserve
135.	Moberg, Lisa	CD	Innovation at the British Library:...	03/17/06	TOPS	To collect and preserve
136.	Moberg, Lisa	CD	The Conservation Scientist Meets Hurricane Katrina	03/02/06	TOPS	To collect and preserve
137.	Moberg, Lisa	CD	Scientific Analysis and Materials Research in the Conservation of Photographs	11/30/05	TOPS	Advance LC's core services
138.	Moberg, Lisa	CD	VisualAudio: A Preservation Strategy for Fragile Disk Recordings by Means of Photography	10/17/06	TOPS	Advance LC's core services
139.	Mooney, Raschel	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
140.	Moreland, Judy	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
141.	Morenus, Linda Stiber	CD	East Asian Paper Fiber Identification	11/07/05 - 11/10/05	Smithsonian Institute, Freer Gallery of Art	Deepen understanding of America's cultural, intellectual and social life
142.	Mumford, Melvin	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
143.	Murray, Ronald	PRD	COTR	09/11/06 - 09/13/06	LCIU	Advance LC's core services
144.	Murray, Ronald	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
145.	Paterson, Dan	CD	IT Security Awareness	09/01/06	LC	Safe IT practices
146.	Paterson, Dan	CD	Hazardous Waste Management	09/27/06	LC	Learned proper disposal methods for various things
147.	Paterson, Dan	CD	Hazard Communication	09/27/06	LC	Learned safe lab practices and requirements
148.	Peach, Kimberly	BCCD	Introduction to Descriptive Bibliography	07/24/06 - 07/28/06	Rare Book School, Charlottesville, VA	To collect and preserve
149.	Peach, Kimberly	BCCD	Shelflisting: Introduction	11/14/05 - 11/18/05	IDTD	Methods to connect user to content
150.	Peach, Kimberly	BCCD	ILS Cataloging	03/15/06	IDTD	Methods to connect user to content
151.	Peach, Kimberly	BCCD	Concepts of Authority Control for Library Technicians	11/29/05	IDTD	Methods to connect user to content
152.	Pigford, Carmen	PRD	Microsoft Excel		USDA	Advance LC's core services
153.	Pigford, Carmen	PRD	COTR	09/11/06 - 09/13/06	LCIU	Advance LC's core services
154.	Pigford, Carmen	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
155.	Sabry, Amir	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services

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	<b>Employee Name</b>	<b>Division</b>	<b>Course/Classes</b>	<b>Dates</b>	<b>Source</b>	<b>Benefit to the Library</b>
156.	Simms, Patricia	BCCD	A Respectful Workplace (Supervisors)	04/10/06	LC	Advance LC's core services
157.	Simms, Patricia	BCCD	Managers and Diversity: An Empowering Approach	05/15/06	LC	Advance LC's core services
158.	Simms, Patricia	BCCD	Momentum:COTR	07/11/06	LC	Advance LC's core services
159.	Simms, Patricia	BCCD	LC Information Technology Security Awareness	09/21/06	LC	Advance LC's core services
160.	Smith, Mike	PRTD	Hazardous Waste Management	12/15/05	LCIU	Advance LC's core services
161.	Smith, Mike	PRTD	Hazard Communication for Library of Congress Employees	01/26/06	LCIU	Advance LC's core services
162.	Smith, Mike	PRTD	Radiation Safety	04/04/06	LCIU	Advance LC's core services
163.	Smith, Mike	PRTD	Personal Protective Equipment	09/12/06	LCIU	Advance LC's core services
164.	Smith, Mike	PRTD	LC Information Technology Security Awareness	09/25/06	LCIU	Advance LC's core services
165.	Sweeney, Mark	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
166.	Thomas, Deborah	PRD	IT Computer Security	09/01/06	LCIU	Advance LC's core services
167.	Wang, Hans	CD	Personal Protective Equipment User Training	06/21/06	LCIU	To collect and preserve
168.	Wang, Hans	CD	Momentum: COTR	05/24/06	LCIU	Advance LC's core services
169.	Wang, Hans	CD	COTR - Contracting Officer Technical Representative Training	12/12/05	LCIU	Advance LC's core services
170.	Wanser, Heather	CD	COTR	12/12/05 - 12/14/05	LOC	Advance LC's core services
171.	Wanser, Heather	CD	Hazardous Waste Management	12/01/05	LOC	Advance LC's core services
172.	Wanser, Heather	CD	Personal Protective Equipment	06/21/06	LOC	Advance LC's core services
173.	Youket, Michele	PRTD	COTR - Contracting Officer Technical Representative Training	12/12/05 - 12/14/05	LCIU	Advance LC's core services
174.	Youket, Michele	PRTD	Hazardous Waste Management	12.15.05	LCIU	Advance LC's core services
175.	Youket, Michele	PRTD	Hazard Communication for Library of Congress Employees	01/26/06	LCIU	Advance LC's core services
176.	Youket, Michele	PRTD	CD & DVD Institute	02/28/06 - 03/02/06	Media Sciences	Develop policies and practices that meet 21th century demands
177.	Youket, Michele	PRTD	Momentum Desktop Basics & Queries	05.02.06	LCIU	Advance LC's core services
178.	Youket, Michele	PRTD	Radiation Safety	04/04/06	LCIU	Advance LC's core services
179.	Youket, Michele	PRTD	Momentum for COTR	05/02/06	LCIU	Advance LC's core services
180.	Youket, Michele	PRTD	Personal Protective Equipment	09/12/06	LCIU	Advance LC's core services
181.	Youket, Michele	PRTD	Bluehill Software	08/15/06 - 08/16/06	Instron Corporation	To collect and preserve
182.	Youket, Michele	PRTD	LC Information Technology Security Awareness	09/25/06	LCIU	Advance LC's core services
183.	Yuille, Eleanor	PRES/O	AVUE System for Processing Work	02/22/06	Human Resources	New Automated Process for Work-Study
184.	Yuille, Eleanor	PRES/O	Study Applications			Program
185.	Yuille, Eleanor	PRES/O	ITS Computer Security	09/29/06	Human Resources	Employee Computer Security Awareness

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	<b>Employee Name</b>	<b>Division</b>	<b>Course/Classes</b>	<b>Dates</b>	<b>Source</b>	<b>Benefit to the Library</b>
186.	Zimmermann, Carole	PRTD	Hazard Communcations - "Employee "Right-To-Know	01/17/06	U.S. Public Health Services	To gain a basic understanding of labeling/ warnings for types of materials used in PRTD laboratory
187.	Zimmermann, Carole	PRTD	Computer Security 2006	09/25/06	Library of Congress Online Learning Center	To be aware of security risks that exist when using a computer and to learn proper computer security measures to minimize such risks.



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	Employee Name (Last,	Division	Event, Place	Dates	Reason for Going	Benefit to the Library
1.	Albro, Sylvia	CD	Constitution Center, Philadelphia	5/06/06 and 12/ 06/05	Courier Trips	Deepen Understanding of America's cultural
2.	Connelly Ryan, Cindy	PRTD	AIC annual meeting, Portland RI	06/17/06 - 06/19/06	Attending Conference, speaker, officer	Establish leadership
3.	Dekle, Claire	CD	"Ben Franklin's Curious Mind," Bruce Museum of Arts & Science, Greenwich, CT	Jan. 25 - 26, 2006	Courier trip	Advance LC's core services
4.	Dekle, Claire	CD	"Ben Franklin's Curious Mind," Bruce Museum of Arts & Science, Greenwich, CT	04/24/06	Courier trip	Advance LC's core services
5.	Dekle, Claire	CD	Mastering Impainting, National Park Service Training Facility, Shepherdstown, WV	05/08/06 - 05/12/06	Continuing education	To collect and preserve
6.	Drewes, Jeanne	BCCD	Yale meeting for Fire Testing	07/06/06	for testing of fire safety in high density storage	To collect and preserve
7.	Eusman, Elmer	PD	AIC Annual Meeting, Providence, RI	06/16/06 - 06/20/06	Committee member	Establish leadership
8.	Eusman, Elmer	PD	Institute of Paper Conservation 5th International Conference Papers, Edinburgh, 2006	07/27/06 - 07/28/06	Presenter	Establish leadership
9.	Green, Marlan	CD	Addison Gallery of American Art, Andover, MA	1/12-13/2006	Courier trip	Advance LC's core services
10.	Green, Marlan	CD	Deleware art Museum, Wilmington, DE	07/18/06	Courier trip	Advance LC's core services
11.	Grossman, Annlinn	CD	AIC/Rhode Island	06/18/06 -06/20/06	Presenter	
12.	Grossman, Annlinn	CD	IIC/Munich	08/28/06 - 09/01/06	Presenter	To collect and preserve
13.	Grossman, Annlinn	CD	National Gallery Canada	06/08/06 - 06/09/06	Courier trip	Deepen undetstanding of America's cultural, intellectual and social life
14.	Haley, Alan	CD	Song of America Tour, Oxford, Mississippi	03/23/06	Presenter	Advance LC's core services
15.	Haley, Alan	CD	Song of America Tour, San Jose, CA	06/02/06	Presenter	Advance LC's core services
16.	Haley, Alan	CD	Emergency Preparedness and Salvage of Library Collections (presentation and workshop), University of Alabama, Tuscaloosa, AL	05/23/06 - 05/24/06	Guest lecturer	Establish leadership
17.	Haude, Mary	CD	AIC Annual Meeting, Providence, RI	June 16-20, 2006	Committee member, Attending Conference, & Career development	Establish leadership
18.	Haun, Werner	BCCD	AIC Annual Meeting	06/16/06 - 06/20/06	Attending Conference	Develop policies and practices that ensure highest quality to users
19.	Haun, Werner	BCCD	ALA Annual Conference	06/23/06 - 06/27-06	Attending Conference	Develop policies and practices that meet 21th century demands
20.	Hemmenway, Dana	CD	Addison Gallery of American Art, Andover, MA	03/24/06 - 03/28/06	Courier trip	Advance LC's core services
21.	Hemmenway, Dana	CD	Delaware Art Museum, Wilmington DE	04/12/06	Courier trip	Advance LC's core services

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22.	Hemmenway, Dana	CD	Long Beach Art Museum, Long Beach, CA	08/21/06 - 08/23/06	Courier trip	Advance LC's core services
23.	Hemmenway, Dana	CD	AIC Annual Meeting, Providence, RI	06/16/06 - 06/21/06	Committee member	Establish leadership
24.	Hodson, James	PRD	Vendor site visit, Preservation Service Centers, Bethlehem, PA	08/24/06 - 08/25/06	Visit to institution	Advance LC's core services
25.	Khan, Yasmeen	CD	Rags to Reams, British Papermaking in the 18 <sup>th</sup> and 19 <sup>th</sup> century. Yale Center for British Art	04/01/06	Continuing education	Deepen understanding of America's cultural, intellectual and social life
26.	Khan, Yasmeen	CD	Princess and the Patriot, American Philosophical Society, Philadelphia	06/12/05	Courier trip	To collect and preserve
27.	Kidder, Lynn	CONS	visit to Crowley Corporation, Frederick	06/05/06	visit to vendor	Develop policies and practices that meet 21st century demands
28.	Krueger, Holly	CD	Masters of 20th C Cartoons, LA	11/15/05	Courier trip	Advance LC's core services
29.	Krueger, Holly	CD	Masters of 20th C Cartoons, LA	09/15/06	Courier trip	Advance LC's core services
30.	Kullman, Matthew	PRTD	Preservation Technologies Limited Visit. Pittsburgh, PA	09/26/06 - 09/27/06	Enhance understanding of process/ view operations in person	Develop policies and practices that ensure highest quality to users
31.	Lev-Alexander, Nancy	CD	Guild of Bookworkers Standards of Excellence, Portland, OR	10/01/06	Event Chair	Establish leadership
32.	Lev-Alexander, Nancy	CD	AIC Annual Conference, Providence RI	06/01/06	Attending Conference	Develop policies and practices that meet 21st century demands
33.	Lev-Alexander, Nancy	CD	NFPA/COST C17 Conference, Ljubliana, Slovenia	05/01/06	Invited speaker	Establish leadership
34.	Morenus, Linda Stiber	CD	Institute of Paper Conservation 5th International Conference Papers, Edinburgh, 2006	07/27/2006 - 07/28/06	Presenter	Establish leadership
35.	Mumford, Melvin	PRD	Vendor site visit, Preservation Service Centers, Bethlehem, PA	08/24/06 - 08/25/06	Visit to institution	Advance LC's core services
36.	Murray, Ronald	PRD	Archiving 2006, Society for Imaging Science and Technology, Ottawa, Canada	05/23/06	Invited speaker	Develop policies and practices that ensure highest quality to users
37.	Murray, Ronald	PRD	Museum Computer Network 2005, Annual Meeting, Boston, MA	11/02/05 - 11/06/05	Attending Conference	Develop policies and practices that ensure highest quality to users
38.	Murray, Ronald	PRD	Meta Morphosis, University of Kentucky, Lexington, KY	09/05/06 - 09/07/06	Career development	Methods to connect user to content
39.	Olson, Nels	PRTD	34th Annual AIC Meeting, Providence, RI	06/15/06 - 06/19/06	Committee member	Leadership/Committee Chair
40.	Paterson, Dan	CD	Hampson tour	11/15/06 - 11/16/06	Presenter	Advance LC's core services
41.	Sweeney, Mark	PRD	IFLA/NDNP Newspaper Digitization Conference, Salt Lake City, UT	05/17/06 - 05/19/06	Presenter	Develop policies and practices that meet 21st century demands
42.	Sweeney, Mark	PRD	ALA Midwinter, San Antonio, TX	01/20/05 - 11/23/05	Attending Conference	Establish leadership
43.	Sweeney, Mark	PRD	Proquest Digital Advisory Board, Ann Arbor, MI	11/30/06 - 12/02/06	Research	Develop policies and practices that meet 21st century demands
44.	Sweeney, Mark	PRD	ALA Annual Conference, New Orleans, LA	06/22/06 - 06/26/06	Attending Conference	Establish leadership

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45.	Sweeney, Mark	PRD	British Library Newspaper Digitization Consultation, London, UK	12/14/05 - 12/17/05	Visit to institution	Methods to connect user to content
46.	Thomas, Deborah	PRD	IFLA/NDNP Newspaper Digitization Conference, Salt Lake City, UT	05/17/06 - 05/19/06	Attending Conference	Develop policies and practices that meet 21th century demands
47.	Thomas, Deborah	PRD	Meta Morphosis, University of Kentucky, Lexington, KY	09/05/06 - 09/07/06	Career development	Methods to connect user to content
48.	Thomas, Deborah	PRD	NDNP Awardee site visit, University of Kentucky, Lexington, KY	09/08/06	Visit to institution	Develop policies and practices that meet 21th century demands
49.	Thomas, Deborah	PRD	NDNP Awardee site visit, University of California, Berkeley, CA	05/22/06 - 05/24/06	Visit to institution	Develop policies and practices that meet 21th century demands
50.	Thomas, Deborah	PRD	NDIIP Partners Conference, Berkeley, CA	01/08/06 - 01/12/06	Attending Conference	To collect and preserve
51.	Thomas, Deborah	PRD	NDNP Awardee site visit, Library of Virginia, Richmond, VA	02/09/06	Visit to institution	Develop policies and practices that meet 21th century demands
52.	Thomas, Deborah	PRD	Joint Conference on Digital Libraries, Chapel Hill, NC	06/12/06 - 06/15/06	Career development	Establish leadership
53.	van der Reyden, Dianne	PRES/O	NFPA CUL-AAA Pre-ROP Meeting, San Simeon, CA	10/03/05 - 10/06/05	Attending Conference	Standards Committee
54.	van der Reyden, Dianne	PRES/O	ALA Midwinter Meeting, San Antonio, TX	01/20/06 - 01/22/06	To attend the ALA Midwinter Meeting to serve as the North American representative of IFLA's Core Program for Preservation and Conservation (PAC).	Establish leadership
55.	van der Reyden, Dianne	PRES/O	IFLA PAC Directors Meeting, Paris, France	03/06/06 - 03/12/06	Invited speaker	Presentation
56.	van der Reyden, Dianne	PRES/O	International Microform Roundtable, Princeton, NJ	05/04/06 - 05/06/06	To participate in the International Microfilm Roundtable discussion	Establish leadership
57.	van der Reyden, Dianne	PRES/O	34th Annual AIC Meeting, Providence, RI	06/15/06 - 06/19/06	Committee member	Leadership/Committee Chair
58.	van der Reyden, Dianne	PRES/O	Institute for Paper Conservation Conference, Edinburgh, Scotland	07/25/06 - 07/30/06	Attending Conference	Establish leadership
59.	van der Reyden, Dianne	PRES/O	American Research Libraries, University of NC at Chapel Hill, NC	09/27/06 - 09/29/06	Committee member	Establish leadership
60.	Vogt-O'Connor	CD	34th Annual AIC Meeting, Providence, RI	06/15/06 - 06/19/06	Committee member	Leadership/Committee Chair
61.	Youket, Michele	PRTD	CD & DVD Institute; Santa Clara, CA	02/28/06 - 03/02/06	Continuing education	Develop policies and practices that meet 21th century demands
62.	Youket, Michele	PRTD	ASTM October Committee Week; Dallas, TX	10/15/05 - 10/17/05	Attending Conference	Establish leadership
63.	Youket, Michele	PRTD	ASTM April Committee Week; Toronto, Canada	04/23/06 - 04/25/06	Attending Conference	Establish leadership

**Library of Congress - Preservation Directorate  
Appendix X - Statistics FY2006**

<b>Treatment</b>	
Volumes Treated	3,445
Unbound Paper-Based Items Treated	14,265
Photographs Treated	944
Other Formats Treated	506
Commercial Library Binding (volumes)	259,728
Total Treatment:	278,888

<b>Deacidification</b>	
Mass Deacidification (volumes)	298,826
Mass Deacidification (sheets)	1,069,500
Total Deacidified	1,368,326

<b>Housing/Rehousing</b>	
Protective Boxes Constructed for Paper-Based Materials	22,462
Paper-Based Items Housed	110,162
Photographs Housed	2,263,054
Discs, Film, Magnetic Tape (reels/cassettes) Cleaned/Rehoused	15,397
Other Formats Housed	418
Total Rehoused	2,411,493

<b>Copying/Reformatting (update pending)</b>		
Preservation Photocopying (volumes/pages)	21	3,557
Paper-Based Materials Converted to Microfilm (exposures/pages)	3,295,852	5,809,544
Paper-Based Materials Converted to Digital Format (works/images)	2,091	224,792
Photographic Analog Surrogates Created		796
Motion Picture Film Converted (reels)		547
Total Reformatted	3,297,964	6,039,236

**Library of Congress - Preservation Directorate  
Appendix X - Statistics FY2006**

<b>Surveys</b>	
Items Surveyed, Paper Based	112,123
Items Surveyed, Photographs	84,236
Items Surveyed, Other Format	1,865
<b>Total Surveyed</b>	<b>198,224</b>

<b>TOTAL TREATMENT</b>	<b>278,888</b>
<b>TOTAL DEACIDIFIED</b>	<b>1,368,326</b>
<b>TOTAL REHOUSED</b>	<b>2,411,493</b>
<b>TOTAL PIECES LABELED</b>	<b>175,748</b>
<b>TOTAL REFORMATTED</b>	<b>6,038,689</b>
<b>TOTAL SURVEYED</b>	<b>198,224</b>
<b>GRAND TOTAL - ALL ACTIVITIES</b>	<b>10,471,368</b>
<b>Total pieces (includes treatment, deacidification, &amp; reformatting)</b>	<b>7,685,903</b>

<b>Research, Testing &amp; Analytical Services - FY 2005</b>	
Quality Control and Assurance Program Services	2,228
Forensic Analytical Services	2,241
Safety Assurance Services	8,318
Environmental Control & Monitoring of Treasure Cases & Vaults Service	62
Digital Data Archiving Program Activities	726
Research Project Activities	15,244

<b>Reference Requests</b>	
Internal	210
External (Ask a Librarian)	748
External (phone/letter/fax)	78
Intern Applications	15
<b>TOTAL</b>	<b>1,051</b>

# The LIBRARY of CONGRESS PRESERVATION

## Organizational Overview



### Mass Deacidification Program

Staff: 17 contract

#### Services:

- Mass deacidification of books (off-site)
- Mass deacidification of manuscripts

#### FY06 Statistics:

- Sheets deacidified: 1,069,500
- Volumes deacidified: 298,826

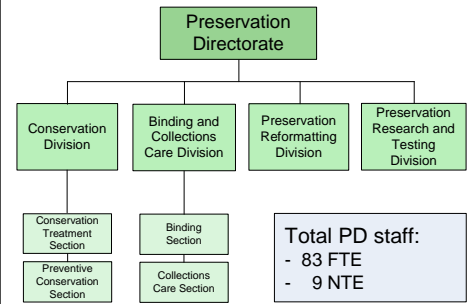
### Preservation Directorate Office FY06 Summary:

Staff: 8 FTE

#### Services:

- Administration of preservation activities
  - Strategic planning
  - Program development
  - Budget and funding
  - Procurement
  - Surveys
- Outreach
  - Respond to or consult with
    - Congress, public, and professionals
  - Website development
  - Tour oversight
- HR
  - Hiring, internships, fellowships, orientation, and counseling
- Special Programs oversight
  - Waldseemüller Map encasement (NIST)
  - ERENE (Image, Reconstruct, Erase Noise, etc.) (DOE/LBNL)
  - IFLA PAC NAN
  - Climate control program (IPI)
  - CD/DVD aging program (NIST)
  - Photograph survey (Mellon Foundation)
  - Participation and consultation in media requests including "History Detectives"

### Library of Congress



### Conservation Division

Staff 26 FTE / 7 NTE / 2 contract

#### Services:

- Treatment Section:
  - Special Collections care and custom housing:
    - Books, prints, photographs, audio-visual items, other items
  - Interpretive Program Office
  - National Digital Library
- Preventive Conservation Section:
  - Transportation and storage preparation
  - Emergency preparedness and response
  - Environmental monitoring

#### FY06 Statistics:

- Volumes treated: 671
- Paper-based items treated: 44,105
- Photographs treated: 944
- Other formats treated: 506
- Paper-based items housed: 17,039
- Photographs housed: 693
- Other formats housed: 88
- Paper-based items surveyed: 112,123
- Photographs surveyed: 84,236
- Other formats surveyed: 1,865

### Binding and Collection Care Division

Staff 23 FTE / 2 NTE

#### Services:

- Library Binding Section:
  - Commercial binding preparation
  - Shelf preparation of newly acquired collections
- Collections Care Section
  - Collection conservation of general and reference collections
  - Boxing of circulating, reference, or special collections for all media types
  - Care and handling training
  - Reference services

#### FY06 Statistics:

- Volumes commercially bound: 259,728
- Volumes treated: 2,661
- Boxes constructed: 8,384
- Items housed: 23,466

### Preservation Reformatting Division

Staff: 17 FTE

#### Services:

- Reformatting programs:
  - Microfilm
  - Preservation photocopy
  - Facsimile
  - Digital reformatting
- Special programs:
  - US Newspaper Program
  - National Digital Newspaper Program

#### FY06 Statistics:

- Preservation photocopy (pages): 3,557
- Paper-based items to microfilm: 5,809,544
- Photographic analog surrogates: 796
- Digitization of paper-based items: 224,792
- Motion picture film converted (reels/feet): 3,297,964/6,038,689

### Preservation Research and Testing Division

Staff: 10 FTE/1 contract

#### Services:

- Research programs (materials science, forensic, and longevity studies)
  - Traditional materials
  - Audio-visual materials
  - Digital materials
- Testing programs
  - Chemical analysis
  - Mechanical properties testing
  - Environmental effect
- Development programs
  - Standards and specifications
  - Preservation protocols
- Quality control and assurance
  - Safety
- Documentation

#### FY06 Statistics:

- Research project activities: 15,244
- Forensic analytical services: 2,241
- Environmental control services: 62
- Quality control services: 2,228
- Safety Assurance services: 8,318
- Digital data activities: 726

## STAFF PHOTOS



### Administrative Staff

Back Row, L to R: Richard Herbert, Mia Greene, Angela Burgess, Joan Faltot, Elmer Eusman  
Front Row, L to R: Carmen Pigford, Dalerie Wright, Dianne van der Reyden, Eleanor Yuille



### Preservation Research & Testing Division

L to R: Frank Hengemihle, Matthew Kullman, Angela Burgess, Cindy Connelly Ryan, Nels Olson, Carole Zimmermann, Michael Smith



**Binding and Collections Care Division**

Back Row, L to R: Marcus Wright, Clifton Bethea, Shelia Bowler, Kimberly Ginyard, Werner Haun, Patricia Simms, Cornelius Thompson, Leslie Long, Jennifer Schehlein  
Middle Row, L to R: Georgia Wilson, Marietta Sharperson, Cindy Hui, Izella Watson, Dalerie Wright, Regina Young, Maphon Ashmon, Miriam Centeno  
Front Row, L to R: Kimberly Peach, Jeanne Drewes, Kathy Turner, Philip Sipkov, Carrie Beyer



**MDEP Staff**

Back Row, L to R: Kristen Sosinski, Jonathan Eaker, Simonette Dela Torre  
Front Row, L to R: Jamie Roberts, Tiffany Welch, Sara McGann





### **Conservation Division**

Back Row (standing), L to R: Richard Herbert, John Bertonaschi, Claire Dekle, Alan Haley, Lage Carlson, Dan Patterson, James Thurn, Annie Wilker, Valeria Orlandini, Andrew Robb

Second Row (standing), L to R: Yasmeen Khan, Dianne van der Reyden, Marlan Green, Paul Gray, Angela Burgess, Kaare Chaffee, Benjamin Bahlmann, Andrea Knowlton, Hanako Hirano, Annie Wilker, Jesse Munn

Third Row (seated), L to R: Holly Krueger, Tamara Ohanyan, Maria Nugent, Megan Keister, Nancy Lev-Alexander, Lynn Kidder, Lisa Moberg, Betsy Haude, Jennifer Lewis

Front Row (seated on floor), L to R: Heather Wanser, Diane Vogt-O'Connor, Ashley Greek



### **Conservation Division**

Back Row, L to R: Dana Hemmenway, Hans Wang, Susan Peckham, Linda Morenus, Anne Grossman, Sylvia Albro

Front Row, L to R: Cyntia Karnes, Julie Biggs, Adrienne Lundgren



### **Preservation Reformatting Division**

Back Row, L to R: Amir Sabry, James Hodson, Richard Becker, Melvin Mumford, Raschel Mooney, Lesia Bodnaruk, Mark Sweeney, Mark Hauver, Ronald Murray  
Front Row, L to R: Warren Heine, Monica Fenner, Carmen Pigford, Denise Jackson, Deborah Thomas



### **Mass Deacidification Program**

Back Row, L to R: Lynn Holloway, Karel Richarson  
Middle Row, L to R: Marco Hernandex-Soza, Kenny Johnson, Beverly Bullock, Monica March, Marja Matthews, Veronica Walker, Eltoro Davis, Lamont Minor, Jon-Erik Gilot, Bob Harriman  
Front Row, L to R: Linda Rizzo, Steven Breeze, Sherron Nabinett, Susan Dones, Frank Funes, Ken Harris, Nels Olson