



**ANNUAL REPORT TO IFLA ON
PAC ACTIVITIES
2010**



REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF PAC INTERNATIONAL CENTER

ACTIVITIES OF THE REGIONAL PRESERVATION CENTER FOR

WESTERN EUROPE, NORTH AFRICA, MIDDLE EAST

*by Christiane Baryla,
IFLA-PAC Core Activity Director*

During the last year, IFLA PAC activities supported the general objectives of the program.

1. Publications

- Updating of PAC mailing list (now: 446 subscribers registered)
At the same time, we are studying the possibility for a cyber letter dedicated to brief information. It would allow us to “lighten” IPN as we currently need more than 44 pages per issue.
- Circulation of our new brochure presenting IFLA-PAC mission and goals produced by Flore Izart, Program Officer (in July 2009). The new brochure was distributed in Göteborg and on the occasion of all events followed or involving PAC.
- Updating of PAC web page on IFLA website by Flore Izart, in connexion with IFLA webmasters. Several conferences proceedings were loaded. We are waiting for the ability to load videos. It could be very appealing to combine this ability with the cyber letter (a sort of video journal).
- *International Preservation News* (<http://www.ifla.org/en/publications/international-preservation-news>)
IPN 50 (*CSI: Conservation scientific investigation*, April 2010) - dedicated to research and laboratories in the field of preservation.
IPN 51 (*Training in the Digital Age: E-learning Experiences in Preservation*, July 2010).
IPN 52 (*Tourism and Preservation: some challenges*, December 2010)
Each issue online and 2500 copies printed.
- Publication of the proceedings of the International Conference “Preservation and Water” in Prague (November 2009) by Prof G. Banik in the very important Journal: *Restaurator*. :<http://www.reference-global.com/toc/rest/2010/31/3-4?ai=12d&ui=3iw2&af=H>

2. Translations

In Korean:

- *IFLA Principles for the Care and Handling of Library Material*, by the new PAC Centre in Korea
- a booklet about paper fibres (copies sent to IFLA Headquarters)
- November 2010, thanks to PAC Korea: *The 3-D's of Preservation: Disasters, Displays, Digitization*, Ed. by National Library of Korea. The symposium was held in March 2006 at the BnF.

In Chinese: thanks to the Chinese IFLA Language Centre in Beijing

As requested before we will try to include more translations in Spanish in *IPN*.

We are studying the possibility to add (on line only) translations in French, Spanish and other languages of some of the more requested articles in *IPN*. For that purpose we need translators.

The **table contents of IPN** will be systematically translated **into the different PAC languages** (and put on line): English, French, Chinese, Russian, Spanish, Portuguese, Korean, Japanese.

3. Events and Conferences

- Preparation of the two last conferences of the cycle "Preservation and the four elements": Fire and Earth. The 2 conferences will be held together. It was previously scheduled for Sicily but some recent problems might lead us to organize this event in another place in 2011.
- C. Baryla attended (PAC co-sponsored) IFLA Newspapers Section mid year Conference in Delhi.
(see: <http://www.ifla.org/en/events/ifla-international-newspaper-conference-2010>)
On this occasion, PAC activities were presented.
An Indian centre is being studied in collaboration with Prof. Agrawal, Director of INTACH. However, due to India's the large territory, it would be important to have it functioning as a local network like NAN in USA. The project has to be studied further.
- LIBER general Conference in Aarhus (29 June 2010 to July 1st)
<http://www.statsbiblioteket.dk/liber2010/conference-theme>
"Re-inventing the Library. The Challenges of the new Information Environment"
- IFLA PAC and P&C Section Open Session in Gothenburg (the program has been jointly developed and finalized with Per Cullhed, Chair of IFLA P&C Section). See: <http://www.ifla.org/en/conferences-session-day/2010-08-12>

4. Meetings

- LIBER - C. Baryla is member of 2 LIBER working groups:
 - *Working Group on Preservation and Digital Curation (STEERING COMMITTEE ON HERITAGE COLLECTIONS AND PRESERVATION (SCHCP))*
 - *Working Group on Digitization and Preservation (STEERING COMMITTEE ON DIGITIZATION AND RESOURCE DISCOVERY (SCDRD))*
- Standards - C Baryla is member of the working group for ISO 11799 standards. There have been several work group meetings.
- Digital preservation
 - Membership to Fondazione Rinascimento Digitale (DPE).
 - PAC sponsored the meeting called: "Seminario: Conservare il digitale gestione e salvaguardia, verso nuove frontiere di servizi." Milano, 27 April 2010.
 - Participation in PLANETS (Preservation and Long-term Access through Networked Services). <http://www.planets-project.eu/events/berlin-2010/>
 - Conference in the Preservation Advisory Centre of the British Library "Decoding the digital: a common language for preservation"
<http://www.bl.uk/blpac/digital.html>
A Digital Preservation Coalition and Preservation Advisory Centre joint conference, exploring communication and promoting interaction between librarians, archivists and digital preservation managers.
- Haiti Earthquake

C. Baryla participated in several meetings concerning the subject, in BnF, in UNESCO (with Pascal Sanz), with Blue-Shield, with the NGO "Libraries without Borders", with IFLA.

Participation to the first session of the International Coordination Committee for the "Safeguarding of Haitian Cultural Heritage" (ICC-Haiti), 7 - 8 July 2010 at UNESCO Headquarters, Paris.

5. Participation in events

- Palermo and Roma - 20-25 January 2010
Meetings to prepare the last PAC conference (Earth and Fire) at ICPAL Roma and CRPR Palermo.
- New Delhi - 22-26 February 2010
Meetings in India following IFLA Newspapers Section Conference.

- Milan - 11 Marzo 2010
 “Tra sicurezza e Emergenza in biblioteche e archivi.” Conference organized by Ornella Foglieni, Regione Lombardia Soprintendenza, with papers by Danielle Mincio and Christiane Baryla. PAC co-sponsored the event.
 On this occasion, meetings with colleagues from Italy and the European scanning industry present at the important exhibition.
- Paris - 30-31 March 2010
 « Numérisation du patrimoine écrit. Du projet scientifique à sa mise en œuvre : l'exemple d'Europeana Regia. » Conference organized by the French Institut du Patrimoine, with important papers concerning conservation. C. Baryla moderated a session.
- London - July 28th, 2010: “Decoding the Digital: a common language for preservation”, organized by the BL Preservation Advisory Centre.
- Uppsala - August 18th: Participation to the satellite meeting of IFLA P&C and Rare Books Sections.
- Rome - 11-13 November: **Conference** on the occasion of the **reopening of the Vatican Library**, “The Vatican Library as a space of research and an institution at the service of reader”. Saturday 13th was dedicated to Preservation and Restoration topics. **Vatican Library staff was happy to see their prestigious institution present on IFLA website main page.**
- London and Boston Spa - December 8-9, 2010: visit of the new storages of the British Library. Reporting will be published in the first 2011 issue of IPN.

6. Network with PAC Regional Centres

- Renewal of all the agreements (end 2009, beginning 2010)
- Preparation of PAC and P&C section in Gothenburg on sustainable development
- Preparation of a Puerto Rico satellite meeting in connection with the Rare Books and Manuscripts Section , Acuril.
- Focus on PAC Central Asia: visit to PAC Central Asia in Almaty. On the occasion meeting with the other partners of PAC (Tajikistan, Ouzbekistan, Turkmenistan, Kirghizistan). Visit also to Shimkent and Astana. Several conferences were given in Almaty Institutions (Archives, University library, Academy) to present IFLA Pac activities and IFLA.
- The main results will consist in the organization of training in preservation and restoration with PAC partners in collaboration with UNESCO in 2011.
- Preparation of a Franco-Russian seminar in Paris, 4-9 April 2011, organized by PAC Russia, PAC Paris and BnF. A seven-days visit to meet restorers in Paris and a meeting “Inter ateliers” on April 4 to exchange about techniques and training in restoration.

PAC REGIONAL CENTRES REPORTS
SELECTION OF A MAJOR ACTIVITY
(SEE FULL REPORTS BELOW)

KAZAKHSTAN

September 2010: the Kazakhstan PAC regional centre welcomed Christiane Baryla for a series of visits and meetings in Almaty, Astana and Shimkent.

RUSSIA

From October 2009 to July 2010: Training in restoration at the IFLA PAC Regional Centre in Moscow

USA-Canada

May 9 - 15, 2010: *Preservation Week*

The American Library Association launched a new National Collections Preservation Week, and PAC regional centre hosted at the Library of Congress participated in the inaugural week (<http://www.ala.org/preservationweek>).

BRAZIL

Organization of a training on “Library’s voluntary fire brigade”, with the participation of trained employees who can handle manual fire extinguishers and who can also be ready to face emergencies during the time the Library is opened.

CHILE

June 15-18: Presentation of IFLA PAC and Blue Shield Goals on the occasion of the Latin American training “Conservación Preventiva y Planes de Emergencia en Bibliotecas y Archivos” held in Cartagena de Indias (Colombia).

TRINIDAD & TOBAGO

Consultations, assessments and site visits made by the Preservation and Conservation Laboratory.

CHINA

June 21-24, 2010: organization of the Asian Seminar on “Preservation and the Four Elements: Air, Water, Earth and Fire” in Beijing, sponsored by the National Library of China (China National Centre for Preservation & Conservation of Ancient Books) and the IFLA-PAC China Centre.

PAC ASIA

- July 2010: organization of the 14th one-day Preservation and Conservation training program in NDL Tokyo Main Library
- The NDL has also been providing an online training course on preservation and conservation for library staff since 2006. The fourth term was conducted from October 2009 to January 2010, with a limit of 200 participants. The fifth term was conducted from November 2010 to January 2011 with a limit of 250 participants. See NDL remote training portal site: <https://ndl.secure.force.com/>

- February 2010: the NDL and the Tsukuba University Research Center for Knowledge Communities cosponsored “The International Symposium on long-term preservation and archiving of digital information resources”.

KOREA

- June, 29 – July, 2, 2010: the IFLA PAC Korea center held Korea-Mongolia International Cooperation Seminar on Document Heritage, in Ulaanbaatar. It consisted of preservation seminars, and conservation workshop.

- December 8: The opening of the Preservation Center of the National Library of Korea

- December 9: organization of the 3rd International Preservation Conference on “Preservation of electronic material; its techniques and current state”

AUSTRALIA

May, 6, 2010: Organization of the Blue Shield Australia (BSA) Symposium on “Disaster Proofing Heritage Collections” held at the National Library of Australia.

The symposium had two themes:

- Regional Disaster Preparedness for Heritage Collections
 - The Risk Management of Energy-Efficient, Heritage Collection Storage
- <http://www.collectionscouncil.com.au/twenty-fourth+announcement+19+march+2010.aspx>

For details, see the complete reports of the PAC regional centres below.

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF KAZAKHSTAN'S PRESERVATION CENTER

*Prepared by Zarema Shaimardanova,
National Library of the Republic of Kazakhstan
PAC Director of Kazakhstan*

In accordance with the Agreement signed in January 2010 between the IFLA Preservation and Conservation Core Program and the Plan of work of the Centre for the study and preservation of documentary heritage for 2009 there was carried out the following work.

1. Publications

1. Sarsenbayeva B. "The preservation of the library funds as the priority task of the NLRK", *Ultyk kitapkhana*, № 1, 2009, p.58-63
2. Jumadilova N. "The physical-chemical research of the samples of paper of the ancient manuscripts of the NLRK", *Ultyk kitapkhana*, № 1, 2009, p.48- 57
3. Shaimardanova Z. The new understanding of the main trends in the work of the libraries // Proceeding of Republican Conference dedicated to the 75-th anniversary of the Karaganda regional universal scientific library after Gogol named "The regional library within the cultural space of the region", 4-5 November, Karaganda city, 2009
4. Two articles from *International Preservation News* are published in revue *Ultyk kitapkhana*, 2009 (translated in Russian, them in Kazakhs):
 - Heilmann Jali. *Electronic Paper*, p.40-44
 - Sonoda N. etc. *Ongoing Study on the Conservation of paper and Books: Evaluating paper Deterioration and Straightening of Deteriorated Paper*. p. 45-47

2. Cooperation with other institutions in the field of Cultural Heritage preservation.

1. Participation in conference "The archives and society: interaction for the preservation of cultural heritage". Almaty, 25 September 2009.
2. Shaimardanova Z. The preservation of the documentary heritage within the context of the international programs and projects // Proceeding of conference "The archives and society: interaction for the preservation of cultural heritage". Almaty, 25 September 2009. – Almaty: State Archives of Almaty, 2009, p.18-24.

3. The translations and distribution of IPN

The translations from *International preservation News* (N°46 - 7 articles, N°47 – 5 articles, N°48 – 5 articles) that were made and sent with each number among the NL of Central Asia, libraries of Kazakhstan, museums and archives in Almaty.

4. The web-page creation.

“[The IFLA/PAC Core Programme Regional Center in Central Asia](#)” on the site www.nlrk.kz:

[The Agreement on the creation of the Regional PAC Center for Central Asia](#)

We created links to the electronic magazine *International Preservation News*.

 [2009, № 1](#)

 [2009, № 2](#)

 [2009, № 3](#)

 [2009, № 4](#)

[The experience of Central Asian libraries in preservation and conservation problems](#)

5. Restoration

In general during the 2009 the NL RK was restored and bound:

- simple restoration - 3005 book,
- binding – 947 books.

6. Visit and meeting with Christiane Baryla: Almaty –Astana- Shimkent, September 2010

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF RUSSIA'S PRESERVATION CENTER

*Prepared by Rosa Salnikova,
Library for Foreign Literature
PAC Director of Russia*

1. Publications

- Distribution of IPN 49,50,51 with Russian translation to 120 addresses;
- Distribution of video-films for restorers' training to Regional Libraries;

2. Seminars and Conferences

- Participation in the 1st International scientific and practical seminar "Presentation of the Russian conservation school in Europe" September 2009 in the National library of Austria.
- Participation in the international theoretical and practical conference "Research, conservation and restoration of manuscripts and printed documents" 2-4 September 2009 in the Regional library, Irkutsk.
- Organization and carrying out of the practical seminars in October-November 2009:
 - "Application of modern and traditional technologies in the preservation of library stocks" in the regional universal scientific library, Tver.
 - "Basic methods of the bookbinding» in the Regional conservation centre of the universal scientific library, Archangelsk.
 - Seminar "Microfilming for the regional libraries of Russia" in the scientific library of the State University, Tomsk.
 - Workshop "Restoration of the damaged documents by the paper pulp. Hand method." in the Regional conservation centre of the scientific library of the State University, Tomsk.
- Participation in the conferences in the October-November 2009:
 - Interregional scientific and practical conference "Preservation of library stocks: traditions and innovations" in the National library of Republic Sakha (Yakutia).
 - The 6th International scientific and practical conference "Preservation and accessibility of the cultural and historic documents. The modern approach" in the National library of Russia, St. Petersburg.
 - The 1st scientific and practical conference "Attribution, preservation and restoration of the museum collections" in the State Historical museum, Moscow.

- Director of the Regional Centre R. Salnikova participated in the professional excursion in the National library of Estonia, Tallinn.
- Organization and carrying out the scientific and practical seminar "History of the Bookprinting in Italy and Russia: Yesterday, Today and Tomorrow" -Trevizo, Italy.
- Participation in the International conference "Crimea 2010" in July 2010, Sudak.

3. Training at the Regional Centre IFLA in Moscow from October 2009 to July 2010

- for the restorer from the State museum of Military History and Natural preserve "The Kulikovo Polye", Tula.
- for students of Art-Restoration college (during the year), Suzdal.
- for two restorers from the Pushkin State museum of Fine Arts.
- for the restorer from the conservation centre of Region library, Yekaterinburg.
- for the restorer from the conservation centre of the Public library, Rostov-on-Don.
- for the restorer from the State Hermitage Museum, St. Petersburg.
- Lectures and practical training for the students of the Academy of retraining of cultural workers on preservation and conservation of documents.
- Lectures and practical training on the restoration of documents for the students of State Humanities University of Russia.

4. Other activities

- Participation in the Restoration councils of libraries, museums and archives of Moscow.
- Microfilming and scanning newspapers in the context of National Russian Preservation Program
- Participation in the Russian seminars and conferences.
- Consultations on different aspects of preservation and conservation for regional libraries of Russia, museums and archives of Moscow and St. Petersburg.

REPORT TO IFLA ON PAC ACTIVITIES

LIBRARY OF CONGRESS PRESERVATION DIRECTORATE

July 23, 2010

Prepared by D. van der Reyden, Director for Preservation

Since August 2009, the Preservation Directorate (PD) of the Library of Congress has undertaken many initiatives in the five areas of interest to IFLA PAC: advancing preservation training, publications, events, collaborations and disaster preparedness.

I. Training

PD staff hosted half-dozen public programs, gave dozens of lectures, designed and taught several courses and workshops, and provided scores of tours, as well as trained a dozen interns and volunteers in preservation.

Public Programs

In FY2010, for general and professional audiences, the PD hosted 6 free *Topics in Preservation Series* (TOPS) programs. (Over a dozen webcasts are now available online at <http://www.loc.gov/preserv/tops/schedule.html>. Topics included

- Nov. 12, 2009, *To Touch or Not to Touch? State-of-the-art Challenges of Heritage Diagnostics* by Dr. Matija Strlic, Senior Lecturer in Sustainable Heritage at the Centre for Sustainable Heritage, University College London, covered current multi-disciplinary research initiatives on environmental interactions with cultural heritage collections.
- Nov. 18, 2009, *Terahertz Spectroscopy and Imaging Techniques for Conservation Science: Innovative Non-Invasive Observation Methods* by Dr. Kaori Fukunaga, Research Manager in the Applied Electromagnetic Research Center of the National Institute of Information and Communications Technology, Tokyo, Japan, covered the use of terahertz (THz) spectroscopy and imaging as emerging techniques in the field of optics research and the transfer of these techniques to the preservation of cultural heritage.
- March 19, 2010, *Development and Research Applications for a Reference Collection of 20th Century Photographic Paper* by Paul Messier, an independent conservator of photographs, covered his ongoing, decade-long project, the assembly of the world's largest reference collection of photographic paper, and present opportunities for multiple collaborative research initiatives.
- April 16, 2010, a *Special TOPS 50th Event: Introduction to the Work of the New Preservation Science Laboratories of the Library of Congress* commemorated the 50th TOPS program, with the staff of the Preservation Research and Testing Division

(PRTD) presenting a series of lectures on a wide range of collaborative science projects addressing needs of traditional, audiovisual and digital collections <http://www.loc.gov/preserv/tops/prtdlab/index.html>

- June 7, 2010, *Introduction to Non-Contact Method of Recovering Data from Obsolete Formats* was presented by Brian Wilson of Applied Pictures.
- July 15, 2010, *The Mechanical Properties of Cultural Materials* by Dr. Marion Mecklenburg, Senior Research Scientist, Museum Conservation Institute, Smithsonian Institution, covered the role that mechanics has in helping to determine the effects of temperature, relative humidity, conservation treatments and chemical degradation on the long term stability of cultural collections.

Lectures

Each year PD staff give dozens of lectures to regional, national and international audiences on topics ranging from care of collections to preservation science; in addition to six tops presentations by PRTD staff, and six by CD staff for a special event launching Preservation Week (see Events below) examples in the past year include the following:

- For American Libraries Association (ALA)
 - Jeanne Drewes, Chief of Binding Collections Care Division (BCCD), and Karen Motylewski (IMLS/LSPD) represented the Library in two American Libraries Association (ALA) programs ALCTS/AASL/PLA for National Preservation Week: *Pass it On!* and for The Library History Round Table Invited Speakers Program *Documenting and Celebrating Your Library's History*
 - Fenella G. France and Lynn Brostoff, scientists in the Preservation Research and Testing Division, presented *Preservation Forensics and Document Optical Archaeology at the Library of Congress* and hosted *Tours of the Preservation Research and Testing Division Laboratories at the Library of Congress*.
- Senior Conservator Holly Krueger presented a gallery talk on Preserving 'Herblock' a Rewarding Job for Conservators about PD staff's work with the drawings of Washington Post political cartoonist Herb Block
<http://blogs.loc.gov/loc/2010/02/preserving-herblock-a-rewarding-job-for-conservators/>
- For IFLA PAC 2009, Dianne van der Reyden presented lectures on *Preservation Research and Visual Storage*; for 2010, she and other Directorate staff prepared presentations to be presented by Jeanne Drewes on research and sustainability.

Courses and Workshops

Preservation staff worked with the University of Maryland to develop a new *Libraries and Archives Preservation Course* to be offered in the Fall 2010 semester. Several other initiatives were developed for federal libraries through the Library's FLICC program, including a summer course on preservation and two workshops on emergency preparedness.

- *Preservation Summer Institute* was a cooperative 3-part program introducing participants to the theory of preservation through online classes developed by the Northeast Document Conservation Center, reinforced by week-long direct observation of theory put into practice by the Library's preservation staff (who demonstrated prioritizing, treating, rehousing, displaying and controlling environments and emergency salvage of the Library's collections), followed by tailored online courses produced by Lyrisis.
http://www.loc.gov/flicc/meeting_announcements/2009/ma0914.pdf
- *Safety Net IV: FLICC Disaster Preparedness National Update* featured updates on national and international initiatives on disaster preparedness in cultural institutions by Jane Long, Heritage Preservation; Angela Gladwel, FEMA; and Nancy Gwinn, the ALA representative for the U.S. Committee on the Blue Shield.
<http://www.loc.gov/preserv/symposia/safetynet4.html>
- *Safety Net V: Can We Relax Yet? Assessing Risks to Library Collections and Operations* was a day-long workshop co-sponsored by the National Agricultural Library, FLICC, the Library of Congress Preservation Directorate, and LYRASIS was designed to present a practical approach to risk assessment.
<http://www.loc.gov/flicc/ma/2010/ma201018.pdf>

Tours

Every year PD staff provides scores of tours for inhouse and outside individuals and groups. This year special tours focused on LC divisional staff (from Budget, General Counsel, and Collections and Services and LSMT), to the Library's partner institutions (members of NDIIPP) and professional organizations (American Library Association and the Society of American Archivists), as well as media groups (Modern Marvels, Wired Magazine, Boing-Boing, CNN, NBC, ABC, The Washington Post, and Roll Call).

Interns and Volunteers

The PD hosted a dozen interns and volunteers this year in the divisions for Conservation (CD), Binding and Collections Care (BCCD), and Preservation Research and Testing (PRTD).

- CD's Ceil and Michael E. Pulitzer Fellow Eliza Spaulding (MA candidate from the Conservation Center, Institute of Fine Arts, New York University) treated a Pennell colored crayon sketch, an 18th c. Japanese Shigemasa color woodcut, and an autograph score in iron gall ink by Ludwig Spohr. CD's Insurance of North America Fund Fellow Nita Maria Greene (MA candidate from Northumbria University) treated graphic arts illustrations, architectural drawings on tracing papers, and a large format theater poster, while researching historical and contemporary paperboard materials fabricated for the art and commercial market.
<http://www.loc.gov/preserv/servpubs.html>
- Harper-Inglis Fellows for BCCD and PRTD respectively were Emily Rainwater (MS candidate from The University of Texas at Austin), who developed didactic materials

to be used for *Preservation Week* activities, and Jordan Brough (Masters of Forensic Science, George Washington University) assessed the capacity of various imaging systems, including PRTD's Image Xpert system, to determine the long-term changes in historic inks and preservation treatments.

<http://www.loc.gov/preserv/interns/harper.html>

- PRTD hosted 6 summer interns: Molly McGath (PhD candidate in Materials Science and Engineering, University of Arizona) worked on GC-MS and headspace analysis to assess the capacity to detect mold and other compounds from *sniffing* collection items; Marcello Manfredi (Masters in Chemical Sciences and Technologies, University of Eastern Piedmont *Amedeo Avogadro*, Italy) will work to characterize changes in parchment through spectral imaging to assess optimal storage conditions; Anita Hayem-Ghez (Masters of Optical Science candidate, Institut d'Optique, Palaiseau, France) used hyperspectral imaging to characterize pigments and colorants, and markings indicating methods of construction of LC Portolan Charts; Meghan Hill (of Maryland Institute College of Art) assisted with imaging 37 maps in a Ptolemy atlas project; Kajal Hamidzadeh (Undergraduate in Cell Biology & Genetics, University of Maryland) advanced tracking of pigment and iron gall ink samples in the new Center for the Library's Analytical Science Samples (CLASS); and HACU Josephina Maldonado (BS University of Texas at El Paso; BA candidate at New Mexico State University) developed XRF calibration curves for metals in paper, as well as specific analyses of smalt in paper.

<http://www.loc.gov/preserv/visiting.html>

- Two volunteers include PRTD's William Bennett, to access and house the Barrow Books Collections for the Center for the Library's Analytical Science Studies (CLASS), and BCCD's Elise Calvi, from Indianapolis Historical Society.

<http://www.loc.gov/preserv/volunteer.html>

II. Publications

Each year PD staffs publish numerous articles on conservation, preservation science, and other topics, as exemplified below:

- Van der Reyden, D. "The Science-Based Fight Against Inherent Vice". *International Preservation News* n°50 (2010). p.5-10
<http://www.ifla.org/files/pac/ipn/50-may-2010.pdf> (entire issue)
- Drewes, J., [et al.] *Digital Book Printing for Dummies*. Special edition. Hoboken, NJ: Wiley Publishing, 2010.
- Lev-Alexander, N. *Long-term Preservation at the Library of Congress. Papyrus* 11, no. 1 (2010): 21-22.
- France, F. G., and M. Kullman. "Recycled Paper Research at the Library of Congress." *International Preservation News* n°48 (2009). p.10-16
<http://www.ifla.org/files/pac/ipn/48-august-2009.pdf> (entire issue)

III. Events

In the past year PD advanced several preservation activities, including the launch of a new *preservation week* initiative, new preservation spaces and websites, and recognition of preservation leadership in acknowledgements, film and print.

New Initiative: *Preservation Week*

ALA spearheaded a new National Collections Preservation Week, and the Library of Congress participated in the inaugural week (<http://www.ala.org/preservationweek>). The PD was instrumental in developing this new outreach and education initiative, and offered multiple activities in its support, supplemented by the generous assignment by the Institute of Museum and Library Services (IMLS) of a staff liaison. In association with Preservation Week 2010, there were 65 events across the US offered by 40 libraries and archives in 19 states, the District of Columbia, and American Samoa. These included exhibits, clinics and open houses, staff training, lectures and Webinars, and a preservation film festival. PD staff and the IMLS liaison helped advance the initiative by:

- Authoring a Library exhibit on preserving collections and helping develop and provide associated children's events with the Library's Young Readers Center.
- Collaborating with the Library's Office of Strategic Initiatives National Digital Information Infrastructure and Preservation Program and the National Audiovisual Conservation Center to create [Personal Archiving Day at the Library of Congress](#).
- Presenting public lectures on care of photographs, books, personal papers, films, videotape, sound recordings, and personal digital collections at the Library; the Historical Society of Washington, DC; Baylor University, Waco, TX; and the Mt. Lebanon Public Library, Pittsburgh, PA.
- Creating resources to support Preservation Week for the ALA Web site, including bookmarks that provide key tips for preserving common personal collections, for distribution at key events; providing Web-based masters for download and local distribution by other event sponsors

<http://www.ala.org/ala/mgrps/divs/alcts/confevents/preswk/events/bkmks.cfm>

Science Lab Launches

The Directorate's three science labs and the Center the Library's Analytical Science Samples (CLASS) officially opened in the past year. Two articles on PD labs were published online. *The New Optical Lab Brings LOC into 21st Century* noted that PRTD's recently open Optical Properties Laboratory contains a hyper spectral imaging system that's revealing fascinating details of historical heritage, an environmental scanning electron microscope that can show real-time damage to AV items from changing environments, equipment for optical disc quality testing, and a Fourier Transform Infrared Spectroscopy system to detect chemical markers for sticky-shed.

<http://blogs.loc.gov/loc/2010/02/new-optical-lab-brings-loc-into-21st-century/>

The Op Lab also now houses the IRENE prototypes for capturing sound from damaged grooved recordings. The work of the Op Lab and the even more recently opened Chemistry and Physical Properties Labs are described online in the IFLA PAC IPN article *The Science-Based Fight Against Inherent Vice*.

<http://www.ifla.org/files/pac/ipn/50-may-2010.pdf>

Webpage Updates

To keep the preservation field up to date on preservation developments, the PD uploaded several new websites on its home page, including updates on research, analysis, and quality assurance, as well as emergency preparedness, including the two links below:

- To address needs following a major earthquake in Haiti, PD developed a Cultural Heritage Collections Preservation Information Clearinghouse site at <http://www.loc.gov/preserv/haiti.html>

Staffs are also involved in initiatives to develop salvage training and/or “Angel Projects” to help collections in Haiti through the American Institute for Conservation, and in conjunction with the 2011 IFLA meeting in Puerto Rico.

- To commemorate MayDay Emergency Preparedness initiatives, the PD, in consort with IMLS, developed a *Preservation Planning Tool: Table Top Planning Scenarios, Level of Collections Emergency*. These narrative situations complement a potential level of emergency chart as tool for validating a collections emergency response plan against the many combinations of factors an emergency event might include. Because full-scale emergency response rehearsals are impractical for most institutions, these realistic scenarios are intended to be the basis for *table top* or *talk through* exercises to cross-check assumptions and response strategies.

<http://www.loc.gov/preserv/emergprep/scenariosII.pdf>

- Conservation Division staff described their work to prepare globes, drawings, prints, bound volumes, objects and archives and manuscript collections for moving to Ft. Meade in a new website entitled *Stabilizing Special Collections for High-Density Storage*. Similar descriptions and illustrations of stabilizing special collections were included in a poster in honor of Archives Month, 2009.

<http://www.loc.gov/preserv/storage/index.html>

Leadership

Several individuals were recognized for their leadership in preservation and other activities at the 2010 American Library Association (ALA) meeting:

- Dr. Deanna Marcum, the Library’s Associate Librarian for Library Services, was recommended by preservation staff, and chosen by ALA, as the subject of an inspirational StoryCorps interview about library careers.
- Jeanne Drewes and Karen Motylewski (IMLS/LSPD) received ALCTS President’s Certificates in thanks for work developing *Preservation Week*, at the ALCTS Awards Ceremony.

Media Events

PD activities were featured by various media, including a special TV show called Modern Marvels that aired in June; film crews from CNN and from a Brazil TV group, who both extensively taped conservation and preservation science activities; and film and print media outlets that focused on preservation science, including Wired Magazine, Boing-Boing, NBC, ABC, The Washington Post, the New York Times, and Roll Call. Many featured a story about the Library's use of a custom-designed hyperspectral imaging system to examine Thomas Jefferson's Rough Draft of the Declaration of Independence. The Library's scientists were able to confirm that Jefferson at first wrote *...our fellow subjects...* before remembering that, in declaring our independence, we were to become a nation of *citizens*.

see <http://bit.ly/9XWQ1L>

<http://www.nytimes.com/2010/07/21/opinion/21iht-edwidmer.html>

IV. Cooperation With Other Institutions

The PD has several on-going collaborations with other institutions, including IFLA PAC North American Network members, which increased from a dozen to 15 members during the year (<http://www.loc.gov/preserv/iflacore.html>); other libraries, universities and forensic and heritage science labs; standards committees and other boards; and institutions abroad.

- IFLA PAC NAN members were involved in ongoing discussions with Harvard regarding science projects and mold remediation research, and ongoing collaboration with Pepperdine University in teaching the UCLA Rare Book School section on preservation.
- Allied agencies collaboration included ongoing work with the Lawrence Berkeley National Labs on development of technology to capture sound from damaged cylinders and similar vertically grooved materials, and a new initiative with the University of Maryland to teach a semester-long course on preservation for archivists.
- Standards Committees and Boards: Directorate staff served on committees or boards for IFLA PAC, ALA, SAA, AIC, ASTM, and Heritage Preservation.
- Foreign programs: Directorate staff served on the steering committee for the newly developed Heritage Science Masters Program for the University College of London, and consulted with institutions in Turkmenistan, Uganda, and Mauritius.

V. Disaster preparedness and emergency planning

In addition to the Safety-Net Workshops, the Directorate continually updates its collection emergency initiatives, this year by conducting telephone drills with C&S and ABA and IPO units. Two particularly important updates in the last year include the development of the following:

- A collections recovery room, which serves as a model set-up for preservation training, drills and activities in collections salvage and recovery work related to the

Library's Continuity of Operations Plan (COOP). This facility is illustrated and described online.

<http://www.loc.gov/preserv/recoveryrm/index.html>

- A contract for hiring services in the event of the need to salvage large volumes of collections at the Library (over 500 books or the equivalent) has been developed. A generic version of this contract will be available on our website in coming year.

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF THE REGIONAL PRESERVATION CENTER FOR

BRAZIL, BOLÍVIA, PARAGUAY AND URUGUAY

*Prepared by Jayme Spinelli,
Preservation Coordinator of the National Library of Brazil
Director of the Regional Preservation Center*

The Regional Preservation Center of Brazil offers regional and national activities such as vocational training programs and courses in preservation and conservation to Brazilian professionals and to professionals from the National Libraries of Latin America.

Since 2007, the Preservation Coordination of the National Library has been responsible for the Regional Preservation Center of IFLA-PAC for Brazil, Bolivia, Paraguay and Uruguay. In this sense, all the initiatives and activities aim at dissemination programs of the technical knowledge of preventive conservation, safety and restoration of bibliographic and documental holdings.

Annually, courses and professional training are offered to Brazilian professionals as well as to those from the National Libraries of Paraguay, Bolivia and Uruguay. Besides that, it is offered technical consultancy to libraries in Brazil and in the Latin America. The latest example is the technical consultancy given to the National Library of Ecuador.

The Informative Courses on Preservation consists of one week of technical lectures and three days of study cases in the laboratories of conservation, restoration, microfilm, photography and digitization. During this period, the Preservation Coordination staff participates actively as Course Instructors.

In 2009, the Coordination will hold the “13th Informative Course on Preservation” and it will be opened to seventy professionals from libraries, museums and archives from Brazil and from abroad and to 40 professionals from the staff of the National Library itself.

The course will be in October and two professionals from the Central University of Ecuador and from the Dominican Republic have already been enrolled.

Nowadays, the National Library has 417 federal employees, 76 trainees and 189 contractors. It's worth mentioning that everyone's participation is vitally important to the consolidation

of preservation and safety procedures established to the National Library holdings and also to its building.

In 1807, due to the invasion of Portugal by the French army, under the command of colonel Junot, King Dom João VI and his Court seek refuge in Brazil. They settled in Rio de Janeiro. At that time, the Royal Portuguese Library came to our country with the King and it was from it that documental holdings of the National Library started to be formed.

In 2010, The National Library will celebrate 200 years of its foundation and 100 years of the Library's Headquarters.

The accelerated increase of information, printed on different supports, put the progress of studies and research forward. This has enabled us to an improvement in preservation and also has enabled us to its accomplishment, as **preservation**, in this sense, is seen as a set of guidelines and strategies based on administrative, political and operational studies that contribute directly and indirectly to the maintenance of the integrity of books, documents and to the building that keeps them and which will support the great institutional safeguard policy.

As a complement to this matter of preservation, the National Library has been focusing on **safety** – which is here being seen as a set of elements that form a plan to prevent damages and to fight off harmful agents to the Institution. Having these ideas in mind, it is very important to perform, in a rigorous way, the tasks of identification, analysis and evaluation of the risks that threaten the holdings; with the objective to manage and control accidents or disasters that might happen in the library.

The safety programs encompass the protection of the wealth, holdings and users and also have as an objective to extend and protect the shelf life of Library's monumental holdings that today have more than 9 millions pieces.

In this way, the National Library, through the Preservation Coordination, has been developing systematic actions directed to the injury prevention in its Headquarters.

In this sense, it was organized the **'Library's voluntary fire brigade'**, with the participation of trained employees who can handle manual fire extinguishers and who can also be ready to attend to emergencies during the time the Library is opened. They also know the necessary procedures to safeguard the holdings in case they get wet due to a real necessity to extinguish fire.

During the night, there's a **'night fire brigade'** formed by a group of security guards who attend to specific training in the area. The 'night fire brigade' also works during the weekends and holidays.

The one month training offered to the Brazilian and Latin American professionals, generally happens in the same month of the Informative Courses on Preservation, and there is even a lecture given by a representative of the Fire Brigade Department of Rio de Janeiro whose speech is about first aid procedures and how to extinguish fire.

Another key element of the safety program which is being developed at the National Library is the technical assistance of a specialist in climatology related to the control and maintenance of the environmental parameters of the areas which keep the holdings.



The Brazilian Committee installation session was carried out in the National Archive in 2006 and the representatives of the National Archive, National Library, Brazilian Federation of Librarians' Associations, Federal Council of Library Science, Brazilian Association of Archivists, National Council of Archives and IFLA Regional Office (IFLA/LAC), were present. These institutions constitute the charter members of the Committee in Brazil. Dr. Celia Zaher was appointed the head of the Brazilian Committee. Representative entities of the museums and other heritage institutions were invited to participate on the Committee.

Finally, I would like to emphasize that the publications, entitled "International Preservation News" /IFLA-PAC nos. 48 and 49 received in 2009 and the numbers 50 and 51 received in 2010, have been distributed by the National Library's Exchange Service to 19 Brazilian universities, 18 public museums, 19 cultural foundations besides the National Archive, Brazilian Association of Conservators of Cultural Properties and to the National Libraries of Uruguay, Paraguay, Bolivia, Ecuador and Cuba.



REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF CHILE'S PRESERVATION CENTER AND BLUE SHIELD

*Prepared by Maria Antonieta Palma Varas,
Aid of Preservation at the National Library of Chile
PAC Director of Chile*

PLANS D'URGENCE

2010 a été l'année des catastrophes à cause du tremblement de terre du 27 février 2010. On a travaillé à la diffusion du matériel pour la prévention et la sauvegarde du patrimoine.

- On a envoyé aux bibliothèques, archives et musées du lieu du tremblement de terre les documents : *Salvemos lo salvable*, faits par le CNCR avec des instructions et des recommandations pour sauver le patrimoine, et la brochure *Préservation des risques* réalisée par le Comité Bouclier Bleu chilien.

- On a présenté le Bouclier Bleu et distribué 200 exemplaires de la brochure *Préservation des risques* dans les villes d'Ancud (Musée d'Ancud) et de Valparaiso (Musée de l'Armée), villes « patrimoine de l'humanité ».

- Distribution du livre pour les enfants sur les tremblements de terre *Cuando la tierra se movió* aux écoles associées à l'Unesco et enregistrées sur le site web de la Bibliothèque nationale du Chili.

- Diffusion des objectifs de PAC IFLA et du Bouclier Bleu dans le cours latino-américain "Conservación Preventiva y Planes de Emergencia en Bibliotecas y Archivos" enseigné à Cartagena de Indias, Colombia. Maria Antonieta Palma a diffusé les objectifs PAC IFLA et du Bouclier Bleu sur le blog Dibam :

<http://blog.dibam.cl/2010/06/16/restauracion-y-conservacion-en-la-biblioteca-nacional/>

Elle a également envoyé du matériel pour la prévention des risques au service Coordination des Bibliothèques Publiques de la région Los Lagos, matériel qui a été publié dans le Bulletin *La Ficha*.

FORMATIONS

Le "Comité Paritario" a fait des cours de prévention des risques : "Psicologie de les emergences", "Prevention des Risque", "Securité et Emergencia" - Cours de Conservation préventive dispensé à la Biblioteca Nacional et Centro Nacional de Conservación (CNCR).

PUBLICATIONS

La revue *International Preservation News* a été distribuée à 40 institutions (bibliothèques, archives et musées) d'Argentine, du Pérou, de l'Equateur et du Chili.

EMERGENCY PLANNING

2010 was the year of disasters in Chile because of the earthquake on February 27th 2010. In cooperation with the Chilean Blue Shield Committee we worked to disseminate materials about disaster preparedness and cultural heritage salvage.

- We sent to Libraries, Archives and Museums struck by the earthquake the document entitled *Salvemos lo salvable* made by the CNCR with information and advices to save cultural heritage. And so we did with the brochures *Preservation des risques* made by the Chilean Blue Shield Committee.
- We presented the Blue Shield and disseminated 200 issues of the brochure *Preservation des risques*, in the Cities of Ancud and Valparaíso (listed as World Heritage).
- The Children book *Cuando la tierra se movió* was distributed to the schools linked to UNESCO and loaded on the National Library of Chili website.
- Presentation of IFLA PAC and Blue Shield Goals on the occasion of the Latin American training “Conservación Preventiva y Planes de Emergencia en Bibliotecas y Archivos” made in Cartagena de Indias (Colombia). M.-A. Palma presented goals and misión of PAC and Blue Shield in the Dibam blog. MA Palma sent materials on Disaster preparedness and risk management to the Public Libraries Coordination in the Los Lagoa area. They have been published in Boletín *La Ficha*.

TRAINING

The “Comite Paritario” gave training in risks management: “Emergency Psychology”, “Risk Prevention”, “Security and Emergency” - Training in Preventive Conservation at the Biblioteca Nacional and Centro Nacional de Conservación (CNCR).

PUBLICATIONS

IPN was sent to 40 institutions (Libraries, Archives, and Museums) in Argentina, Perú, Ecuador and Chile.



REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF TINIDAD AND TOBAGO'S PRESERVATION CENTER

*Prepared by Annette Wallace,
Executive Director,
NALIS*

At Last: A Library Conservator in Trinidad and Tobago

On September 28th 2009, NALIS welcomed Danielle Fraser, Library Conservator into the NALIS Family. Ms. Fraser who is the first person to be awarded a NALIS scholarship in the conservation of library materials completed her studies in the Book and Paper Conservation Program at the School of Information, University of Texas at Austin. She was the 2009 Cecil and Michael Pulitzer Conservation Fellow of the Preservation Directorate of the Library of Congress in Washington, D.C. where she completed her internship.

The Making of a Preservation and Conservation Laboratory

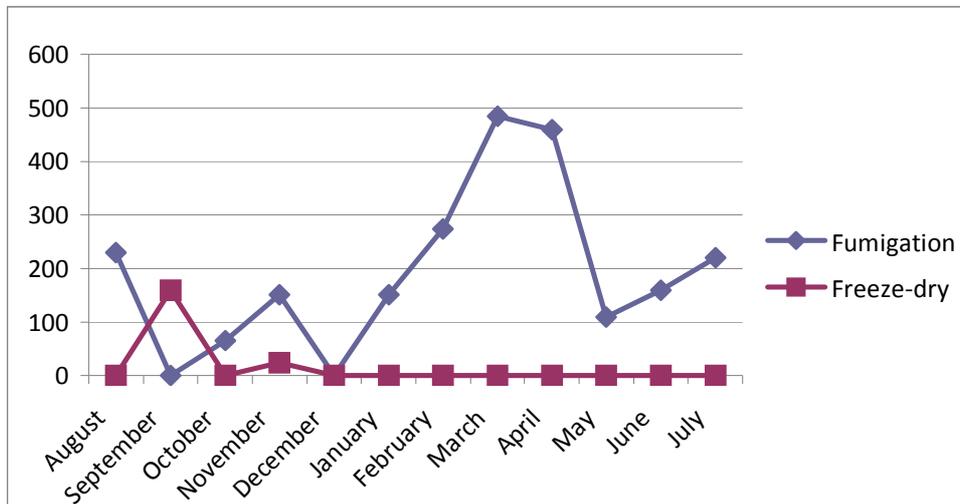
In 2005, NALIS continued to initiate the recommendations of Randy Silverman, Preservation Librarian at the University of Utah's Marriot Library in Salt Lake City. His preservation assessment detailed several steps ranging from initiating environmental monitoring and control to upgrading exhibition practices to improving collection care and handling. His primary recommendations were to design and outfit a state-of-the-art conservation lab and employ two qualified library conservators. Also included were recommendations on equipment, tools and materials. This report continues to be a valuable reference tools for our efforts of establishing the laboratory.

Equipment Purchased and Installed

In 2007, NALIS purchased and installed a **Wei T'o Book Dryer – Insect Exterminator**. Soon **two technical assistants** will be hired, trained and assigned solely to the everyday running of the freezer. This addition to staff is expected to almost triple the current rate of fumigation as illustrated in the table and graph below.



	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Fumigation	230	0	66	151	0	151	274	485	460	109	159	220
Freeze dry		160	0	24	0	0	0	0	0	0	0	0



A large laboratory-grade stainless steel sink was acquired for the Preservation and Conservation Laboratory. Plumbing and the water filtration system will soon be installed. This equipment will allow for conservation treatment involving the washing of books and document papers. One of the main purposes of washing paper is to remove the soluble degradation products, which are usually acidic and discolouring to the paper.

Other laboratory acquisitions include:

- a Polyweld machine (for edge-welding polyester film to create custom enclosures)
- a large board shears (with a 45" cutting length to cut long pieces of binders board)
- fanning binders (for double-fan adhesive binding)
- a chemical fume hood (for working with a range of chemicals)
- an ArchiPress vacuum packing machine (for drying water-logged books)
- conservation hand tools (an array of 40 small tools and equipment for each laboratory staff member).



Vendor delivering the laboratory-grade stainless steel sink

More equipment, tools and materials, as suggested in the Silverman Report, will be added to this growing collection in the upcoming financial year.



Space Design and Layout

NALIS is collaborating with the building's management team to design and retrofit space to accommodate the Preservation and Conservation Laboratory Silverman's Report. This laboratory will include the following areas:

- Chemical-Treatment (a designated area for treatments involving noxious chemicals like alcohols and acetone, which will include the fume hood and chemical storage).
- Wei T'o Freezer (workspace for Wei T'o Freezer technical assistants to sort, add and remove treated books and materials).
- Wet-treatment (a fairly isolated area for treatments involving water and aqueous solutions, which will include sinks and storage space).
- Sorting (a designated area for the temporary sorting and storage of incoming treatment objects and supplies).
- Storage (wall mounted and free-standing storage spaces throughout the laboratory).
- General Workspace (consists of all shared equipment and furniture, like guillotine, board shears, presses and office/computing equipment and an area for treating larger flat objects).

In the subsequent phases of renovation, spaces will be designed for:

- Housing (dedicated space for laboratory and assigned heritage staff to create custom protective enclosures for collection items).
- Photo-documentation (designated area for photographing (via digital camera) objects before, during and after treatment under varying light conditions).

New Developments: Memory of the World Register

The Constantine Collection was inscribed on the Trinidad and Tobago Memory of the World Register in 2010 and has been nominated for inclusion in the international Memory of the World Register in 2011. Lord Constantine was born in 1901, Trinidad, into a renowned cricketing family. By the age of 27 he had become a valuable member of the Trinidad and Tobago and West Indies Cricket Teams. His career blossomed in Lancashire, England where he revolutionized League Cricket.

As a pioneer, Lord Constantine was a race relation and human rights advocate, a Pan Africanist, Head of the League of Coloured Peoples, and respected author. He was diplomat, a politician, journalist and broadcaster.

The Constantine Collection consists of personal papers/speeches, manuscripts, hand written notes, extensive correspondence on cricket and photographs. It also contains radio transcripts penned by and or acquired by Lord Constantine.



Images taken from the Constantine Collection



New Collections

- The Caribbean Contemporary Arts (CCA), Archive and Library. The CCA is an autonomous regional developmental arts organisation based in Trinidad between 1997 and 2007, that worked with visual artists, curators, writers, historians and art educators. CCA encouraged and supported the art making process by fostering artistic exchange between artists locally, regionally and internationally. The collection entails a significant collection of books, catalogues and journals and an Archive which covers hundreds of artists files, cultural activity from the Caribbean and its Diaspora, as well as, recordings of important oral histories, panel discussions and public artists talks from 1996-2007.
- Justice Rees Collection. The collection spans eight (8) large boxes and contains information relevant to the judicial system of Trinidad and Tobago.

Training

- Ms. Jasmin Simmons attended the Salzburg Global Seminar (SGS), “*Connecting to the World’s Collections: Making the Case for Conservation and Preservation of our Cultural Heritage,*” in Salzburg, Austria, from October 28 – November 1, 2009. The seminar, convened by SGS in partnership with the U.S. Institute of Museum and Library Services, explored global themes, issues, challenges, and successes related to conservation and preservation, building on the IMLS initiative on collections care, *Connecting to Collections: A Call to Action*.

Topics such as emergency planning for the protection of valued artifacts were explored by the participants, leading to the preparation of a report containing recommendations for worldwide action.

As a consequence of Ms. Simmons’ attendance at the conference, the Institute of Museum and Library Services (IMLS) donated to NALIS a collection of twenty books and other types of material which focused on all aspects of collection care from Connecting to Collections Bookshelf. The books came at a critical time and will be valuable for our Conservation Laboratory. Two other organizations received similar collections - The University of the West Indies (UWI) and The University of Trinidad and Tobago (UTT).



Jasmin Simmons at the closing of the Salzburg Global Seminar



Danielle Fraser, Library Conservator conducting the Information Session with prospective employees

- An Information Session facilitated by Library Conservator, Danielle Fraser for prospective employees of the PAC Laboratory was held on Friday May 28th, 2010, to prepare applicants for the positions in the PAC Laboratory and the Wei T’o Freezer.

Preservation and Conservation to the rescue!

- A site visit was made to the Rudranath Capildeo Learning Resource Center Library on Thursday 11th February 2010 by the Special Collections, Team to assess the damage done to the Rudranath Capildeo collection and to provide assistance in the care and handling of material where necessary.

It was discovered that a few boxes of books from the collection were damaged by sewerage overflow; the boxes were then taken to NALIS to be fumigated. An analysis of the eight boxes revealed that at least thirty (30) books were infected with active mold. Many of these books have Capildeo's signature or an ink stamp. These books have since been isolated and placed in cold storage. The books not requiring urgent treatment have been sent for inventory and sanitization.



Mold growth in cover of book



Natalie Fritz does inventory



Close-up of active mold



Danielle Fraser examines books for mold

- The Librarian of the Industrial Court of Trinidad and Tobago (ICTT) requested the assistance of NALIS in fumigating items infested with woodlice. The thick volumes were fumigated in two consecutive batches during the last week of April, 2010.

Consultations & Assessments

Though the Preservation and Conservation Laboratory is not fully established, several organizations have started accessing its technical expertise. Through consultations, assessments and site visits, the Library Conservator has been able to advise and direct towards practical solutions.



- A request was received from the **Registrar General's Office in Tobago** for a conservation work on their old records and documents. Since the work was urgently desired and the PAC Lab is not yet functional the officer was referred to the web addresses of two US-based organizations, the Northeast Document Conservation Center (NEDCC) in Andover, Massachusetts and the Conservation Center for Art & Historic Artifacts (CCAHA) in Philadelphia, Pennsylvania.
- A possible silverfish infestation was investigated in the collection of a school library.

New Perspective on Library Careers

Local students can now hear first-hand about a little-known library career path. Careers fairs throughout the year, afforded the Library Conservator the opportunity to highlight preservation and conservation. The positive feedback confirms that the seed has been sown – future library conservators are on the way!

NALIS was represented at 3 career seminars during this period including **Library Week Careers in Libraries Panel Discussion at Preysal High School**, October 7th 2009. Danielle Fraser and Jasmin Simmons conducted the session *"Preserving our Past, Present and Future"*.

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF CHINA'S PRESERVATION CENTER

*Prepared by Mr. Yan Xiangdong
IFLA-PAC China Regional Centre Deputy Director*

During the period of August 2009 to July 2010, the IFLA-PAC China Center at the National Library of China has been taking active measures to promote preservation and conservation work in China's document collection institutions. This report presents a summary of activities from the following perspectives: training and research, conference and exhibitions, cooperation in the field of cultural heritage preservation, disaster preparedness and emergency planning, and publications.

Training and Research

For many years, ancient books preservation and conservation professionals are in critical shortage in China. Facing such challenges, the IFLA-PAC China Center, along with the China National Preservation Center for Ancient Books (a unit established at the National Library of China), have organized in-service training and advanced academic credentials [education](#) programs since 2007. The training series include ancient books census, ancient books accreditation and preservation, ancient books restoration, ancient books cataloging, preliminary courses on ancient books restoration, advanced courses on ancient books restoration, workshop on Tibetan language ancient books, and courses on Traditional Chinese Medicine ancient books, etc. During the period of August 2009 to July 2010, about 20 training classes have been offered, with over 700 of trainees.

In collaboration with Peking University, the IFLA-PAC China Center has introduced a series of personnel training programs. For instance, the IFLA-PAC China Center cooperates with the Chinese Classics major of the Peking University to offer ancient books preservation and conservation courses at the undergraduate and postgraduate levels. Furthermore, the IFLA-PAC China Center is actively engaged in the discipline construction with universities and colleges to foster professionals with formal academic credentials on ancient books preservation and accreditation. The professionalization of ancient books preservation staff is well underway and a mechanism for occupational qualification accreditation of ancient books restoration staff has also been started.

The IFLA-PAC China Center is also putting more effort in research and trying to incorporate both scientific methods and traditional hands-on experience into preservation and conservation practices. The IFLA-PAC China Center has established an advanced national level laboratory for the ancient books preservation, and has conducted some experiments. The research on ancient paper, the construction of ancient paper storehouse, and the survey and study of relevant laws and regulations will greatly promote the standardization of the ancient books preservation, conservation and restoration.

Additionally, the IFLA-PAC China Center also conduct research on laws, regulations, and policies related to ancient books preservation and conservation. Relevant technical standards have been developed and implemented. Some special equipment and tools for the ancient books restoration have also been put into use, including the paper pulp repairing machine, the book pressing machine, the repair stand for western language materials, the paper folding apparatus, and the paper PH value dipstick. The Moreover, the IFLA-PAC China Center also supervises the manufacture of the restoration papers and distributes them.

Events: Conferences and Exhibitions

The Asian Seminar on Preservation and the Four Elements: Air, Water, Earth and Fire

The seminar was held from June 21-24, 2010 in Beijing, which was sponsored by the National Library of China (China National Center for Preservation & Conservation of Ancient Books) and the IFLA-PAC China Center. About 60 delegates from the IFLA-PAC Regional Centre for Asia, IFLA-PAC Korea Center, and some document collection institutions in China (including the Mainland, Hong Kong, Macau and Taiwan) participated in the seminar. More information on this seminar can be found at the following link:

http://www.nlc.gov.cn/en/services/iflapac_chinacenter/conf.htm

and on <http://www.ifla.org/files/asia-and-oceania/newsletters/december-2010.pdf>

Page 20

Exhibitions

To popularize the general knowledge of ancient books and raise the public awareness of ancient books preservation, the IFLA-PAC China Center has held a series of exhibitions in the past few years, which have been well received by the profession community and the general public alike. Through the exhibitions, the professionals can have direct access to ancient books, which enriches their research, whereas general readers can expand their knowledge scope and foster the preservation awareness. The table below shows the exhibitions held during the period of August 2009 to July 2010:

September 1- October 7, 2009	Exhibition of the Elite Items in NLC Special Collections
April 23 - May 10, 2010	Exhibition on Chinese History of Books
June 11- July 12, 2010	The 3rd Special Exhibition on the National Precious Ancient Books

Cooperation in the field of cultural heritage preservation

The Chinese Ancient Books Preservation Project

Organized by the Chinese government and under the leadership of the China's Ministry of Culture, the Chinese Ancient Books Preservation Project includes ancient books census and registration, ancient books comprehensive preservation, ancient books human resources training, ancient books research and use, began to be implemented nationwide in 2007. In the past three years and especially in the last year, the IFLA-PAC China Center has made encouraging achievements.

Because the real situation of ancient books across China remains unclear, the IFLA-PAC China Center has made great efforts nationwide to use census platform for general survey, report and registration of precious ancient books. The Register of National Precious Ancient Books and the compilation for provincial sub-volumes of the General Catalog of Chinese Ancient Books have been started. In addition, the accreditation of the national key institutions for ancient books preservation has also been carried out to improve the living environment of ancient books.

Aiming to find out the real situation, gradually conserve and use ancient books and promote Chinese culture, the Chinese Ancient Books Preservation Project has been fully implemented. From 2007 to 2010, the IFLA-PAC China Center has organized the report, review and announcement of the Register of National Precious Ancient Books three times. By checking the most precious parts of the existing ancient books, 9,859 titles of precious ancient books have been recognized as the national precious books and got special care. The ancient books census platform based on computer technology also has been put into operation. And the compilation of provincial sub-volumes of the General Catalog of Chinese Ancient Books has also been initiated. Eleven provincial centers and three institutions with more than 100 million volumes of ancient books have become the first batch to start the work in 2010.

Based upon the census situation, the IFLA-PAC China Center reviewed the existing restoration institutions and has established twelve national restoration centers which are responsible for the precious ancient books restoration and staff training. In order to realize the ancient books tiered preservation, 150 institutions with large quantities of high quality ancient books have become national key institutions for ancient books preservation and take the responsibility of preserving ancient books. The ancient books preservation mechanism has been established.

As the census progressed, the Ministry of Culture organized investigations in Tibet twice. The investigations have found that there are lots of early documents in Tibet and they are distributed dispersedly. Aside from Tibet Library, Tibet Museum, Tibet Archives and some other public institutions, about 1,700 temples have ancient books. But the total volume is unclear and most of these ancient books are in poor conservation condition. Considering the ancient books preservation situation in Tibet, the Ministry of Culture, together with eight other ministries and commissions (Inter-ministry joint conference members), initiated Tibet

Ancient Books Preservation Project, offering all-round support for Tibet ancient books preservation. It is hoped that relevant experience can be learned from the project and thus be expanded to the census and preservation of the ancient books of other ethnic groups.

Recent years have also witnessed rapid development in the digitization of ancient books in China. The National Library of China has made its oracle bones, stone inscriptions, Tangut materials, old pictures, local chronicles and some other resources accessible online through digitization. The National Library of China has also overall planned to digitize ancient books nationwide through the platform of Chinese Ancient Books Preservation Project, which will make full use of the specialists' expertise in book selection and avoid overlapping investment and waste of funding. More importantly, it will reduce the potential damages to the ancient books and maximize the benefit of the ancient books preservation.

The Returning Program for Chinese Ancient Books Collected by Overseas Institutions

On May 21, 2010, the full-text image repository of ancient Chinese books collected at the Institute of the Oriental Culture, University of Tokyo, and the International Union Catalog of the Chinese Rare Books (Stage 1: Chinese ancient books catalog of Princeton University) have been made accessible online for free through the website of the National Library of China. More details can be found through this link:

<http://res4.nlc.gov.cn/home/index.tr?method=redirect&channelid=630&url=front;cnAncientBook;indexEnglish>

Chinese Rare Books Re-creation Project

Funded by the Chinese government, the Chinese Rare Books Re-creation Project was launched in 2002. The Project chose the rare ancient books before the Tang, Song, Jin and Yuan dynasties and photocopied thousands of copies for use by future generations. Fifty-eight titles of unique copies which were once stored with special care came out of the storehouse, and were made available to the academia and the general public. The duplicates of these rare books have reduced the circulation of the original ones and protected them, which can be regarded as a good model for the ancient books reproducibility preservation.

The Chinese Rare Books Re-creation Project has been making further progress since September 2008. Precious ancient books in the Ming and Qing dynasties and some precious rare books of the ethnic minority groups were photocopied and published.

Disaster preparedness and emergency planning

A 7.1 magnitude earthquake struck Yushu county of Qinghai province, China on Apr. 14, 2010. The earthquake caused damages in 27 towns in 7 counties, which covers an area of 37,000 sq. km and has a population of 227,000 people. 171 public culture facilities in Qinghai were damaged in the disaster. This is another serious natural disaster after the Wenchuan Earthquake, Sichuan Province in May 2008. Drawing on experience and lessons from the

Wenchuan Earthquake relief, the IFLA-PAC China Center has started taking measures for improving disaster preparedness and emergency planning in China's document collection institutions, including establishment of a disaster backup centre for documents and a national strategic repository for documents, as well as better coordination of disaster relief measures in China's library community.

Publications

The paper titled *The Survey of pH Value in National Library of China and the Project of Conservation for Ancient Books* by Tian Zhouling and Zhou Chongrun with the China National Preservation Center for Ancient Books, National Library of China, was published in the 48th Issue of International Preservation News (August 2009).

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF IFLA/PAC REGIONAL CENTRE FOR ASIA

January to December 2010

*Prepared by Noriko Nakamura
Director IFLA/PAC
Regional Centre for Asia
National Diet Library*

The IFLA/PAC Regional Centre for Asia (PAC Tokyo) has continued to develop the preservation network in Asia and strengthen regional cooperation, based on the IFLA Strategic Plan 2010-2015, to encourage preservation activities in each areas of the Asian region. The following is what the NDL and PAC Tokyo carried out from January to December of 2010.

1. Publications

(1) Distribution of IFLA/PAC publications

PAC Tokyo distributed the following IFLA/PAC publications to the libraries, institution, and specialists in the area covered: at present Bangladesh, India, Maldives, Mongolia, Nepal, North Korea, Pakistan, Sri Lanka, and Taiwan.

International Preservation News, No.49, 50, 51

(2) Contribution

PAC Tokyo contributed the following reports to “International Preservation News”:

“Remote Training Program for Preservation and Conservation Provided by the National Diet Library” by Noriko Nakamura. (IPN No.51)

“Asian Seminar on Preservation and the Four Elements: Air, water, earth and fire” by Noriko Nakamura (IPN no.52)

(3) Translation of IFLA publication

PAC Tokyo translated the following manual into Japanese and put it on the NDL website Japanese page on IFLA/PAC Regional Centre for Asia:

“IFLA Disaster Preparedness and Planning: A Brief Manual” by John McIlwaine IFLA PAC c2006. (*International Preservation Issues* no.6)

(4) The NDL website page on IFLA/PAC regional centre for Asia in Japanese

The description of IFLA /PAC Regional Centre for Asia used to be on the "Preservation" page of the NDL website. PAC Tokyo created a page for the IFLA/PAC Regional Centre for Asia in Japanese on the NDL website at the beginning of July. This page carries a description of IFLA/PAC, PAC/Tokyo's activities, news on IFLA/PAC, the table contents of IPN translated into Japanese, and the following translations of IFLA publications by PAC Tokyo (full text).

"Library disaster planning: prepared for the IFLA Section on Conservation and Preservation" by Maria Skepastianu with the assistance of Jean I. Whiffin, IFLA, 1995.

"IFLA Principles for the Care and Handling of Library Material" compiled and edited by Edward P. Adcock; with the assistance of Marie-Therese Varlamoff and Virginie Kremp, IFLA PAC, 1998. (*International Preservation Issues* no.1)

"A Blue Shield for the Protection of Our Endangered Cultural Heritage" IFLA PAC, 2003. (*International Preservation Issues* no.4)

"Care, Handling, and Storage of Photographs" by Mark Roosa, revised and updated by Andrew Robb, 2002. (*International Preservation Issues* no.5)

"IFLA Disaster Preparedness and Planning: A Brief Manual" by John, McIlwaine, IFLA PAC, c2006. (*International Preservation Issues* no.6)

(5) Other publications

The report of Asian Seminar on Preservation and Four Element: Air, Earth, Fire and Water: Bulletin of Asian Resources Room no.8-3 September 2010.

<<http://rnavi.ndl.go.jp/asia/entry/bulletin8-3-2.php>>

"Integrated pest management at the National Diet Library: focusing on countermeasures against mold in the Tokyo Main Library", (Special issue of preservation and conservation) Naoko Nakajima : *Special Libraries* no. 241 2010 p.12-20.

"Preservation and disaster, environment, new technology" under the special issue of "Open access to knowledge- promoting sustainable progress"; World Library and Information Congress: 76th IFLA General Conference and Assembly: *National Diet Library Monthly Bulletin* no. 597, December 2010 p.19-25

<<http://www.ndl.go.jp/jp/publication/geppo/pdf/geppo1012.pdf>>

"Research studies on preservation in the Netherlands; report from the National Library of the Netherlands." *National Diet Library Monthly Bulletin* no. 586, January 2010, p.24-27

<<http://www.ndl.go.jp/jp/publication/geppo/pdf/geppo1001.pdf>>

"Countermeasures against pest and mold damage based on IPM by the NDL" (Special Issue of library materials and preservation): *CDNLAO Newsletter* no.68 July 2010.

<<http://www.ndl.go.jp/en/cdnlao/newsletter/068/681.html>>

2. Training

(1) The Preservation and Conservation Training Program

Every year, the NDL holds a one-day training program which aims to provide Japanese librarians with basic theory of preservation and elementary techniques for mending deteriorated materials. Each time we limit the number of participants to about 20 people and hold the training program twice, because we would like to teach them very well. Most of the trainees have rated this program as very helpful so far.

The 14th one-day training program was held twice in July 2010 in NDL Tokyo Main Library.

(2) Remote training program

The NDL has been providing an online training course on preservation and conservation for library staff since 2006.

Under the theme "Basic theory of preservation and conservation", there are lectures about the method, the environment and the measures of preservation. This e-learning is expected to complement the Preservation and Conservation Training Program held yearly in the NDL.

The fourth term was conducted from October 2009 to January 2010, with a limit of 200 participants. The fifth term was conducted from November 2010 to January 2011 with a limit of 250 participants.

The cumulative total number of participants has reached over 1000, which included librarians abroad, such as librarians of Japanese literature. Most of the participants have replied to the questionnaires after the course, that the e-learning was suitable for their level, satisfying and useful so far.

NDL remote training portal site : <https://ndl.secure.force.com/>

In addition, the NDL has been providing an e-learning program about digitization of materials since 2007. Under the theme "The basis of materials", there are lectures about the progress and the present situation of digitization of materials, the planning and the flow chart of digitization of materials, and basic knowledge about methods of digitization. We provided the fourth e-learning program to 250 participants from April to September in 2010. This program is also very popular.

(3) Other training programs

Every year the NDL provides a training program to staff members of its branch libraries in Japanese central government offices and the Supreme Court. In the training program, preservation training was carried out in October and November 2010.

(4) Acceptance of trainees from inside and outside of Japan

The NDL accepts trainees on request from libraries, institution and others inside and outside Japan.

In 2010 we accepted a French student for training in binding and conservation for 6 weeks from the middle of May to the end of June.

(5) Dispatch of instructors

The NDL dispatches instructors on request to libraries inside and outside Japan.

In 2010 we dispatched staff members of the Preservation Division to give seminars on preservation and conservation at the request of two library associations in Japan.

3. Raising awareness

(1) Forum

Almost annually since 1990, we have held a forum open to the public, on the latest topics of preservation. This forum, which deals with professional, practical and lively issues at the time in Japan, rather than academic themes, offers an opportunity to exchange information in a wide community that includes archives, museums, companies related to preservation, and researchers.

In October we held a forum on disaster preparedness for libraries, archives and the like;

It included two lectures on disaster preparedness; one was a lecture on disaster preparedness in general, and the other was a lecture on rescuing materials from disaster. In addition we exhibited examples of emergency equipment and samples of waterlogged materials being dried. Almost all participants replied to the questionnaire after the forum that it was very useful and satisfying.

(2) Participation in the Tokyo International Book Fair

The NDL participated in the 17th Tokyo International Book Fair from 8th to 11th July 2010. At the booth we distributed IPN to people who requested it.

(3) Participation in the Children's Tour Day

Every summer Japanese central governmental offices invite children to see their work. The NDL also invites children who are interested in the NDL. The Preservation Division, described as a "Hospital for books" explained preservation and conservation to children in August.

(4) Participation in the Library Fair & Forum

The NDL participated in the 12th Library Fair & Forum which is held in November every year. The Library Fair & Forum is the only comprehensive library exhibition in Japan.

Noriko Nakamura gave a presentation mainly on IFLA PAC activities under the title of "The NDL Preservation Cooperation Activities". Ms Naoko Murakami, chief of the Western Style Bookbinding Section of the Preservation Division, gave a report on the training she received in the Bibliothèque Nationale de France and the Library and Archives of Canada in 2010. She learned about all the preservation activities including leather binding in the Bibliothèque Nationale de France from September 2009 to June 2010 and also the preservation activities

in the Library and Archives of Canada from July to August of 2010, subsidized by the Library Advancement Foundation.

At the booth we described preservation and distributed IPN to people who requested it.

(5) Lecture at the Japan Library Association

Ms Naoko Murakami gave a report on the training she had received in the Bibliothèque Nationale de France and the Library and Archives of Canada also to the Japan Library Association.

4. Cooperation

(1) Cooperation with Preservation Organization

The NDL contributes to the activities of the Japan Library Association by delegating a staff member of the Preservation Division to the Preservation Committee.

The NDL delegates also a staff member of the Preservation Division to the standing committee of the Preservation and Conservation Section of IFLA.

The NDL contributes also to the activities of the Japan Image & Information Management Association by delegating a staff member of the Preservation Division to the Publishing Committee of the Journal of Image & Information Management.

(2) Social Meeting for Experts in Preservation, hearings from experts

Every year the NDL holds a social meeting for preservation experts from libraries and other institutions. This meeting promotes preservation activities in Japan by exchanging information and sharing knowledge and experience across the boundaries of categories of libraries. It currently consists of six people including the head of the Preservation Committee in the Japan Library Association, and preservation experts in archives and museums.

We held this meeting to exchange information and experience about disaster preparedness in January 2010.

(3) Participation in the Asian Seminar on Preservation and the Four Elements: Air, Water, Earth and Fire

“The Asian Seminar on Preservation and the Four Elements: Air, Water, Earth and Fire” was held in the National Library of China from 21 to 25 June. There were about 60 participants from libraries, archives, museums, and academic institutions in China, Hong Kong, Korea, Macau, Taiwan and Japan. Two NDL staff members, Noriko Nakamura, Ms Satoko Muramoto, assistant director of the Preservation Division, and Dr. Nobuyuki Kamba, the Head of Conservation of the Tokyo National Museum, attended the seminar from Japan and each made a report.

Nakamura made a presentation of “The report of the activities of IFLA PAC Regional Centre for Asia”, mainly on the promotion of IPM, disaster preparedness and staff training. Muramoto gave a presentation on “Control of preservation environment in the National Diet Library”, Dr. Kamba gave a presentation on “Toward the Establishment of a Guideline

for the Concentration of Indoor Atmospheric Contaminants in Storages and Exhibition rooms of Museums”.

This seminar was really meaningful and stimulating in sharing information and experiences on the four elements in Asia.

(4) Participation in the 3rd International Preservation Conference

The 3rd International Preservation Conference was held from 7th to 10th December by the National Library of Korea. The theme was “Preservation and restoration of digital medium - technology and the present condition”. There were participants from many Korean institutions, Bibliothèque Nationale de France, and Mr. Kosuke Murakami, assistant director of the Digital Library Division of the National Diet Library. Mr. Murakami gave a report on “Digital preservation and the research in the National Diet Library; mainly on digital materials.”

(5) Support to Asian national libraries

Mr. Takao Murayama, the former director of the IFLA/PAC Regional Centre for Asia, was dispatched to the Nepal National Library to proceed with preservation activities as a JICA (Japan International Cooperation Agency) Senior Volunteer from June to December. We supported his activities. We provided information on preservation, using new technology such as Skype.

We provided information on IPM to the Conservation & Preservation Division of the Sri Lanka National Library.

We will make all possible efforts to support Asian libraries using various kind of communication media and together with other institutions in Japan.

(6) Visitors

Visitors from overseas: 13 people

Visitors from inside Japan: 90 people

Mass media reporters for interviews: 12 people

5. Research on Paper (Field of excellence)

Deacidification

In 2009 the Preservation Division conducted research on experimental deacidification of materials by two methods, the Book Keeper Method and the Dry Ammonia Ethylene Oxide Process. After that the division conducted the sensory evaluation of smell, touch, degree of discoloration, carried out by NDL staff members. The research of validity and safety was outsourced. We published the results of this research on the NDL website in December.

6. Storage Environment

For integrated pest management (IPM), we have been monitored the storage regularly, recorded the presence of insects and pests. And we gave a report of the monitoring research

of the storage and invited a specialist to give a report about IPM in libraries at our forum to spread the concept of IPM.

At the end of 2007, we found books mildewed in the stock of the Tokyo Main Building. Since then we have dealt with mold, continuing to measure the temperature and humidity by using data-loggers, setting dehumidifiers in the stock, and visually monitoring the storage regularly, supported by researchers of the National Research Institute of Cultural Properties, Tokyo. In 2008 we held a social meeting for experts in preservation on the theme of “The management of environment for preservation”. Discussing mainly mold, we learned that communication and sharing information between the preservation side and other departments in each institution was very important to improve the environment for preservation, and that library staff have to be alert to deal with the mold.

In 2009 we started to hold a regular meeting attended by all members concerned in the NDL, to improve the storages. We have already achieved some results. For example, we decided on the procedure of killing insects and sterilizing materials acquired by purchase from secondhand bookstores, by donation and by exchange with tropical countries, to protect against insects, pests and mold. We decided that we would wear indoor shoes in the stacks, and that visitors to the stacks would wear covers on their shoes.

In 2010 we conducted the following activities on storage environment:

(1) Participation in the Asian Seminar on Preservation and the Four Elements: Air, Water, Earth and Fire

In June, to share our information and experience on the storage environment with institutions in Asia, we gave reports on our activities at the Asia Seminar “Preservation and the Four Elements: Air, Water, Earth and Fire” held in the National Library of China in June, (Described 4(3))

(2) Contribution to “CDNLAO Newsletter” no.68

We contributed a report on “Countermeasures against pest and mold damage based on IPM by the NDL” to CDNLAO Newsletter no.68 July 2010. (Special Issue of library materials and preservation) (Described 1(5))

<<http://www.ndl.go.jp/en/cdnlao/newsletter/068/681.html>>

7. Disaster Preparedness

(1) The NDL principle to protect materials from disaster

The NDL formulated the principle to protect materials from disaster in January 2010. This principle is based on the following; human life is most important, and preventive measures, prioritizing of materials, the record of damaged materials and use of the records, promptness and specialty, cooperation among three facilities in the NDL, and cooperation with related institutions inside and outside of Japan.

Let me explain the background. We have a preventive plan for fire, earthquake and other disasters, mainly for the safety of human life and buildings. Training has been regularly held

according to this plan and the buildings and the equipment have been controlled by the plan and the law, so far. Fortunately, the NDL has not experienced disaster such as fire and flood to its materials at all.

We have held an international conference, a forum on disaster, translated and published IFLA publications on disaster, made a manual on restoration of water affected materials, and held training. But we could not make a disaster plan. I think it was because a disaster is related to variety of field, so completing a comprehensive disaster plan is really difficult. So in January 2010, we made a principle to protect materials from disaster, and under the principle we are improving existing manuals, making new manuals and complete them to our disaster plan.

(2) Forum

We held a forum on disaster preparedness for libraries, archives and the like.

(Described 3(1))

(3) Visiting disaster reduction institutions Asian Disaster Reduction Centre etc.

A staff member of the Preservation Division visited three disaster reduction institutions, the Asian Disaster Reduction Centre, the Disaster Reduction and Human Renovation Institution, and the Earthquake Disaster Materials Collection Archive of Kobe University library, located in Kobe which experienced the South Hyogo Prefecture Earthquake (M 7.3) in 1995. These institutions were established after the big earthquake.

A staff member of the Preservation Division spoke at the Asian Disaster Reduction Centre about library disaster preparedness and PAC activities. We also sent pamphlets at the request of the Asian Disaster Reduction Centre to be given to students from Asian countries. PAC Tokyo will cooperate with disaster reduction institutions such as the Asian Disaster Reduction Centre etc.

8. Preservation of Digital Resources

(1) Preservation reformatting

The NDL has made a plan for preservation reformatting, covering FY 2009-FY 2011. In this plan, the method of reformatting the library collection is basically digitizing. Deteriorated materials, materials used frequently in the library and through ILL, and rare materials are to have priority to be reformatted (digitized).

The NDL has digitized approximately 900,000 materials such as books, serials, old rare books, doctoral theses, children's books, and official gazettes, on a supplementary budget since 2009, on the base of the plan for preservation reformatting, covering FY 2009 - FY 2011.

(2) Research on obsolete audio-visual media

The NDL has continued to conduct a survey on obsolete audio-visual media since FY 2006. In FY 2006 and FY 2007, we conducted a survey on our obsolete audio-visual media standards

and players including cassette tapes, open reel tapes, Laser Discs and VHS. The result was: Some of these players are not being produced, some are distributed in limited areas, and others will cease production in the near future, so that it will be impossible for us to use a number of media standards because suitable players will be difficult to find in the near future.

In FY 2008 the NDL conducted a survey on the holding, characteristics, situation of deterioration, need for digitization, bibliographic situation, and other matters, concerning these obsolete audio -visual media.

In FY 2009 the NDL inquired of national libraries and the like, in and out of Japan, about examples of the digitization and preservation of obsolete audio -visual media. We would like to thank the staff members of the institutions who kindly cooperated with us.

In FY 2010 the NDL will study the procedures which many advanced institutions have adopted, and produce "A guidebook on digitization of materials: part Audio materials".

We will also propose our "preservation policy on digital information", considering examples of advanced national libraries' policies and guidelines on the long term preservation of these obsolete audio media.

From November 2010 to March 2011 the NDL is conducting the following research:

The NDL is conducting a research into how deteriorated and obsolete our collection of such media as cassette tapes, open reels, 78rpm record, LP(Long Play) records, EP (Extended Play) records, Flexi Disc, Filmson, CD, is. This time, we describe clearly the change from the result of the last research, and we are researching on whether we can get the playback equipment or not, and to what extent we can get them.

And we are, as trial, digitalizing cassette tapes (100 items) and Flexi Disc (50 items) which were published before 1980's and heavily deteriorated for many years. From the result we will pick out technical problems and estimate the cost. And based on the research result, we will produce "A guidebook on digitization of materials: part Audio materials".

(3) Cooperation with libraries, archives, museums in digital archiving projects

The NDL has set up a digital information resources round table in Japan, in order to strengthen cooperation and to discuss issues of common interest this year.

We created a working group meeting to promote digital archiving in public libraries and we are researching the development of digital information resources in other countries.

(4) Cooperation on digital archiving project of China, Korea and Japan

The three libraries have cooperated with each other on "Trilateral Cooperation in a Digital Archiving Project between NLC, NLK and NDL". The National Diet Library concluded the Digital Library Initiative Agreement with the National Library of China (NLC) and the National Library of Korea (NLK) on August 10, 2010. A concrete discussion, mainly on the development of the portal site, mutual use of meta- data, and long-term preservation of digital information will be conducted by the three national libraries in the future.

(5) International Symposium

In February the NDL and the Tsukuba University Research Center for Knowledge Communities cosponsored “The International Symposium on long-term preservation and archiving of digital information resources”. It included the NDL's research report on the long term preservation of digital information, lectures by Margaret Headstrom, Professor of Michigan University, Paul Wu Horng-Jyh, Senior Fellow of Nanyang Technological University, and Andreas Rauber, Associate Professor of the Vienna University of Technology.

(6) Cooperation with international organizations

The NDL has been cooperating and liaising with the International Internet Preservation Consortium. The NDL has been affiliated with the IIPC since 2008. A staff member of the Digital Library Division has been researching to develop the multilingual support function of “NucthWAX”, software of full-text search, which the IIPC is developing and spreading.

The NDL translated DRAMBORA (Digital Repository Audit Method Based on Risk Assessment) <http://www.repositoryaudit.eu/> into Japanese and put the translation on the NDL website.

9. Our plan in the near future

We will invite Ms Deborah Novotny, Head of Collection Care of the British Library, next February to give two lectures. One will be about all of the BL preservation activities, the other will be about stock control and preservation environment.

We will give a training program about the handling and preservation of microfilm, photos and the like, next March.

We are preparing for above invitation and training now.

One more thing, we are considering holding an international conference in the next fiscal year (from April 2011 to March 2012).

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REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF KOREA'S PRESERVATION CENTER

*Prepared by Gui won LEE,
Director IFLA/PAC of Korea
National Library of Korea*

The following is the report from the IFLA/PAC Korea centre since August 2009 to July 2010.

1. Publications

a) Publications

“Proceedings of the International Symposium the 3-D's of preservation disasters, displays, digitization” (translated in Korean) in 2010 and distributed 206 libraries including public and university libraries.

- “3rd International Preservation Conference : Preservation of electronic materials ; its techniques and current state ” Proceedings

b) Distributions

PAC Korea center distributed No. 46 ~ 51 “International Preservation News” to 42 libraries including public and university libraries since August 2009.

2. Training

As part of the Cultural Partnership Initiative, 4 librarians from the National Library of Nepal, Indonesia, Uzbekistan and Kazakhstan visited Korea center in 2009. They had one-day introductory conservation program, also visited a reformatting room and the preservation storage.

PAC Korea center carried out book conservation workshop for librarians in 46th general conference of the Korean Library Association in October 2009.

In the workshop the conservators introduced book repair methods by various damages and also encouraged to use proper preservation materials on library materials.

3. Seminars and Conferences

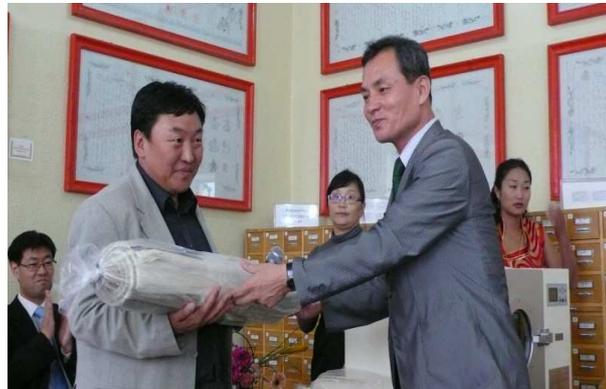
a) Seminar

In 2010 IFLA PAC Korea center held Korea-Mongolia International Cooperation Seminar on Document Heritage(June 29th ~ July second, Ulaanbaatar). It consisted of preservation

seminars, and conservation workshop. Korean participants introduced excellence of Han-ji(Korean traditional paper) as a preservation material and gave practical conservation workshop. Moreover IFLA PAC Korea Center donated preservation materials such as box, folder and Han-ji and so on. Korea and Mongolia has concreted further cooperation in the future.



[Preservation seminar]



[Donation of preservation materials]

b) Workshop

In 2010 IFLA PAC Korea center held a Conservation Workshop at the National Library of Mongolia as part of the Korea-Mongolia International Cooperation Seminar on Document Heritage. The 2days workshop consisted of old and rare material conservation and basic book conservation. 50 librarians from across the Mongolia participated for this workshop.



[Conservation workshop in Mongolia]



c) 3rd International Preservation Conference

IFLA PAC Korea Center held the 3rd International Preservation Conference in 9th of December. Its theme was “Preservation of electronic material; its techniques and current state”

PAC Korea center invited 2 overseas experts as main presenters for the conference. One is Mr. Dominique Théron from the Bibliothèque Nationale de France who is in charge of the digitisation plan of a wide range of audiovisual materials at the audiovisual department. The other is Mr. Kosuke Murakami from the National Diet Library in Japan who is chief of research and planning section at digital library division. Also there were 4 Korean presenters from related organizations.

The Presentations were as below;

- "From here to eternity: mission impossible?" / Dominique Théron, Bibliothèque Nationale de France
- "Digital Preservation and Its research in the National Diet Library" / Kosuke Murakami, the National Diet Library in Japan
- "Issues on long-term retention for optical disc as a storage media" / Won-Ik Jo, Toshiba Samsung
- "Storage and Practical Testing of Records, Cassettes & Video Tapes in Libraries" / Kwi-Bok Lee, the National Library of Korea
- "Technical preservation and discussion of films and digital media" / Kwang-Heon Jang, Korea Film Archive
- "Analytical Measurement and Discussion of Electronic Storage Media National Archives of Korea" / Sang Kook KIM

They shared their experiences and expertises with participants of the conference who came from various libraries and archives in Korea. About 200 people attended in the conference. PAC Korea center received many positive responses from the participants.

As part of the international conference there was an informal discussion on 8th of December. It was about current preservation state of electronic materials with conference presenters and staffs of the National Library of Korea. They discussed current issues on electronic materials also practical work process in each organizations.

4. Others

a) Conservation for other organizations

In 2009 IFLA PAC Korea Center carried out conservation treatments for two organizations. The one was documents from the Taekwondo Promotion Foundation. The documents were all hand written in acidic papers. IFLA PAC Korea Center gave conservation treatments (washing, repair, and housing) for 55 documents.

The other was 47 pamphlets and scripts from the National Theater of Korea. IFLA PAC Korea Center gave conservation treatments for an exhibition. The materials are on exhibition now. In 2010 the center carried out conservation of 6 sheets from the National court library.

b) The opening of new preservation storage

The National Library of Korea opened the digital library in May 2009. The digital library not only has high-tech digital environment but its basement is the state-of-the-art storage area. The removal of preservation copies to the new storage has been completed in December

2009. The new storage can hold 8 million books and 4 million non-book materials (CD, DVD etc). Now they are managed by preservation staffs for permanent preservation.

c) IFLA PAC Korea centre web-site

The website of PAC-Korea centre is under construction. It will be serviced to the public in August 2010. The site will provide introduction of PAC centre, preservation information, and current event and so on. And Librarians and general public could easily approach PAC Korea centre.

d) The opening of the Preservation Center

The National Library of Korea established its "Preservation Center". The Center has eight specialized rooms: conservation studio, research laboratory, reformatting room, electronic material conservation room, photograph room, bindery, fumigation room. Moreover the center also serves as IFLA PAC Korea Center.

In the 8th of December, the Center held its opening ceremony with Chief executive of the NLK, conference presenters and other library staffs, at the occasion of the 3rd International Preservation Conference.

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF AUSTRALIA'S PRESERVATION CENTER

*Prepared by Pam GATENBY,
Assistant Director General, Collections Management
National Library of Australia*

The main activities during the year relevant to our preservation role are outlined below.

Digitisation

Australian newspapers

Work continued on digitisation of newspaper titles for inclusion in the online *Australian Newspapers* service, available through the Trove, the national discovery service. So far we have digitised just over 2 million pages of state and capital city dailies and by June 2010 when stage 1 of our newspapers digitisation program will be finished, we aimed to have digitised 4 million pages. The newspapers digitisation program web site ([Http://www.newsppaers.nla.gov.au/ndp](http://www.newsppaers.nla.gov.au/ndp)) provides a comprehensive range of information including technical standards and specifications used, workflows, systems architecture, policy documents and user feedback. The web site is a very useful source of information for anyway setting up a newspaper digitisation program.

Australian Women's Weekly

Another larger-scale digitisation project we commended in 2009 was digitisation of the *Australian Women's Weekly* from 1933-1982. The *Australian Women's Weekly* is an iconic magazine that charts the social and cultural history of Australia through its stories, advertisements and pictures. It is in colour and is being digitised from the original. The full-text will be available for searching through Trove from later 2010.

London Missionary Society

A 4 year project to digitise our valuable London Missionary Society collection was recently completed – see [LMS Digitised Collection](#) for individual items digitised. The collection was acquired from the London Missionary Society, most of which relates to the Taiping Rebellion and Christianity in China. It includes twenty-four pamphlets published by the Taiping rebels and three original proclamations from leaders of the movement. The collection is also significant for its Chinese translations of Christian works. These include more than sixty editions of the Bible translated into literary and colloquial Chinese and local dialects by British, American and other missionaries. A number of these translations are now rare. There

are also scientific works translated into Chinese by the missionaries, as well as classical Chinese works collected by missionaries. Positive feedback has been received from researchers who have used the works online.

Digital preservation

Considerable time and effort was spent throughout the year on identifying and costing our requirements for improved technical systems capability to increase our collecting of digital resources, to improve access to our collections through increased levels of digitisation and to ensure our collections are appropriately managed and preserved for ongoing access. The Library has been archiving web sites and digitising collection materials since the mid-1990s but our systems are now ageing and inefficient to maintain. A project has been set up to assess options for acquiring more scaleable and flexible systems to provide us with more reliable digital preservation capability.

NLA role in the International Internet Preservation Consortium (IIPC) 2009-2010

Over the past year, the NLA remained an actively contributing member of the IIPC, but relinquished its place as a founding member on the IIPC Steering Committee and also handed over the role of convening the IIPC Preservation Working Group (PWG) which it had been asked to set up in 2007. (These two steps were taken for resource reasons, and to allow others to serve.)

While standing aside from PWG leadership, the NLA maintained an active involvement, working on three significant work packages of interest to the Library. The first of these was a study of how best to identify information about the technical access dependencies of the World Wide Web at different points in time, with a view to setting up an annual technology watch mechanism which would document the browsers, plug-ins and other software which gave widespread access to web materials at that time.

The second work package was a preliminary theoretical and practical investigation of preservation access strategies, looking at the potential of migration and emulation for maintaining access to web archives. The report on this study concluded that there are still very significant hurdles to be overcome before either method can be relied on.

The NLA also contributed to a study on the effectiveness of software tools for identifying file formats, and the time required to run the tools over large collections of web materials. This study, led by the Bibliotheque nationale de France, concluded that the preservation community will need access to tools that are both more reliable and more efficient.

Blue Shield Australia (BSA) Symposium

Blue Shield Australia is endorsed by the International Committee of the Blue Shield as its Australian national committee, and promotes the protection of cultural heritage against threats of all kind. May is a special month for BSA because it promotes May Day, an annual campaign to stimulate emergency preparedness by cultural heritage organisations. This year a symposium called *Disaster Proofing Heritage Collections* was held at the National Library of Australia. The symposium had two themes :

Regional Disaster Preparedness for Heritage Collections

The Risk Management of Energy-Efficient, Heritage Collection Storage

Information about the symposium is on the Blue Shield website at

<http://www.collectionscouncil.com.au/twenty-fourth+announcement+19+march+2010.aspx>

The Australian Newspapers Plan (<http://www.nla.gov.au/anplan/>)

The Australian newspapers Plan (ANPlan), a collaborative program involving the Australian national, state and territory libraries with the objective of preserving a copy of every Australian newspaper title published, continued to make good progress throughout the year. A new 5-year work plan was developed; key performance indicators covering collecting, reformatting, acetate replacement, storage and cataloguing, were developed; and a public *Search & Rescue* publicity campaign was successful in generating several offers of newspapers issues to ANPlan member libraries. Two issues that ANPlan is currently interested in are preservation of pre-press electronic versions of newspapers and appropriate environmental standards for storing newspapers taking into account the pressure on libraries to reduce energy usage and costs.

Policy on exposure of collection items to light

Work is progressing on the development of policy and guidelines on the amount of light that collection items can be exposed to during exhibition and display, before an unacceptable level of deterioration occurs. The policy is being developed by Preservation Services staff with input by collection curators and exhibition staff. To assist with understanding the issues, some light fade testing was carried out on selected items. Library of Congress and the British Library were approached for advice on their policies.

Visits/assistance provided

- During the year we hosted separate visits from staff from the national libraries of Malaysia and Indonesia who wanted to learn more about our web archiving and digital preservation activities.
- The Library provided information to the Kansai-kan of the National Diet Library (Japan) in response to a survey of audio-visual digitisation and digital preservation activities; and participated in a survey of digitisation and preservation approaches on request from Archives New Zealand.
- The Library donated \$2,000 to the Tuku'aho Memorial Museum, Tupou College, towards a new cabinet to house and protect the Tongan Constitution document.

ANNEX 1: PAC ADVISORY BOARD

Gérald GRUNBERG

Per CULLHED

Danielle MINCIO

Representing hosting library, BnF

Chair of IFLA P&C Section

Uppsala University Library

Member of IFLA Governing Board

Bibliothèque Universitaire Lausanne

Réjean SAVARD

Susan ALLEN

Maria Isabel FRANCA

Jan FULLERTON

Pam GATENBY

Deanna MARCUM

Sohair F. WASTAWY

Ellen Ndeshi NAMILA

**New Member (August 2010): Deborah
Novotny**

Chair

Canada

Getty Research Centre Library

USA

Brazil

National Library Director

Australia

Library of Congress

USA

Bibliotheca Alexandrina

Egypt

Director of the University Library of Namibia

Head of Preservation, British Library, London

ANNEX 2: PAC REGIONAL CENTRES

PAC INTERNATIONAL CENTRE

AND REGIONAL CENTRE FOR WESTERN EUROPE, NORTH AFRICA AND MIDDLE EAST

Bibliothèque nationale de France

Quai François Mauriac, 75706 Paris cedex 13 France

Director: **Christiane Baryla**

Program Officer: **Flore Izart**

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<http://www.ifla.org/en/pac>

USA AND CANADA

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LATIN AMERICA AND THE CARIBBEAN

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Biblioteca nacional de Venezuela

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Director: **Jayme SPINELLI**

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Director: **Maria Antonieta PALMA VARAS**

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Fax: + 56-2 638 04 61

E-mail: mpalma@bndechile.cl

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EASTERN EUROPE AND THE CIS**Library for Foreign Literature**

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Director: **Rosa SALNIKOVA**

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Fax: + 7 095 915 3637

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Director: **Zarema Shaimardanova**

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ASIA**National Library of China**

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Director IFLA PAC China Centre: **Mr Zhang Zhiqing**, Deputy Director

New Deputy Director IFLA PAC China Centre: **Dr. Wang Xiaofei** (since January 2011)

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National Library of Korea

KRILI/Preservation office

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Director: **Giu-Won LEE**

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OCEANIA AND SOUTH EAST ASIA**National Library of Australia**

Preservation Services Branch

Canberra Act 2600 - Australia

New Director: Pam Gatenby (Assistant Director General, Collections Management)

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BP 401

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ENGLISH SPEAKING AFRICA:

RESEARCH FOR A NEW CENTRE (JOHAN MAREE RETIRED) PROBABLY IN NATIONAL LIBRARY (SOUTH AFRICA)