



**ANNUAL REPORT TO IFLA ON
PAC REGIONAL CENTERS ACTIVITIES
2009-2010**



SOMMAIRE

PAC ADVISORY BOARD	3
PAC REGIONAL CENTRES	4
PAC INTERNATIONAL FOCAL POINT AND REGIONAL CENTRE FOR WESTERN EUROPE / NORTH AFRICA / MIDDLE EAST	7
EASTERN EUROPE AND THE CIS	13
ACTIVITIES OF KAZAKHSTAN'S PRESERVATION CENTER	14
ACTIVITIES OF RUSSIA'S PRESERVATION CENTER	16
USA / CANADA	18
LIBRARY OF CONGRESS PRESERVATION DIRECTORATE	19
LATIN AMERICA AND THE CARIBBEAN	27
ACTIVITIES OF THE REGIONAL PRESERVATION CENTER FOR BRAZIL, BOLÍVIA, PARAGUAY AND URUGUAY	28
ACTIVITIES OF CHILE'S PRESERVATION CENTER AND BLUE SHIELD	31
ACTIVITIES OF TRINIDAD AND TOBAGO'S PRESERVATION CENTER	33
ACTIVITIES OF VENEZUELA'S PRESERVATION CENTER	NOT TRANSMITTED
ASIA	40
ACTIVITIES OF CHINA'S PRESERVATION CENTER	41
ACTIVITIES OF JAPAN'S PRESERVATION CENTER	46
ACTIVITIES OF KOREA'S PRESERVATION CENTER	53
OCEANIA AND SOUTH EAST ASIA	56
ACTIVITIES OF AUSTRALIA'S PRESERVATION CENTER	57
AFRICA	
ACTIVITIES OF BENIN'S PRESERVATION CENTER	NOT TRANSMITTED

PAC ADVISORY BOARD

Gérald GRUNBERG

Per CULLHED

Danielle MINCIO

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

Deanna MARCUM

Sohair F. WASTAWY

Ellen Ndeshi NAMILA

Johan MAREE

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

Bibliothèque Universitaire du Cap

South Africa

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**

Tel: + 33 (0) 1 53 79 59 70

Fax: + 33 (0) 1 53 79 59 80

E-mail: christiane.baryla@bnf.fr, flore.izart@bnf.fr

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

USA AND CANADA

Library of Congress

101 Independence Avenue, S.E. Washington, D.C. 20540-4500 USA

Director : **Dianne L. van der Reyden**

Tel: +1 202 707 7423

Fax: + 1 202707 3434

E-mail: dvan@loc.gov

<http://marvel.loc.gov>

www.loc.gov/index.html

LATIN AMERICA AND THE CARIBBEAN

National Library and Information System Authority

PO Box 547, Port of Spain -, Trinidad and Tobago

Director: **Annette WALLACE**

Tel: + 868 624 3075

Fax: + 868 624 3120

E-mail: awallace@nalis.gov.tt

www.nalis.gov.tt/

Biblioteca nacional de Venezuela

Apartado Postal 6525, Carmelitas Caracas 1010 – Venezuela

Director: **Ramón SIFONTES**

Tel: + 58 212 505 90 51

E-mail: dconsev@bnv.bib.ve

ramon87s@hotmail.com

www.bnv.bib.ve/

Fundação Biblioteca nacional de Brasil

Av. Rio Branco 219/39 20040-0008 Rio de Janeiro - RJ - Brasil

Director: **Jayme SPINELLI**

Tel: + 55 21 2220 1976

Fax: + 55 21 2544 8596

E-mail: jspinelli@bn.br

www.bn.br

Biblioteca nacional de Chile

Av. Libertador Bernardo O'higgins No 651 Santiago - Chile

Director: **Maria Antonieta PALMA VARAS**

Tel: + 56-2 360 52 39

Fax: + 56-2 638 04 61

E-mail: mpalma@bndechile.cl

www.bibliotecanacional.cl/

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

Nikoloyamskaya str. 1 Moscow 109 189 - Russia

Director: **Rosa SALNIKOVA**

Tel: + 7 095 915 3621

Fax: + 7 095 915 3637

E-mail: rsalnikova@libfl.ru

<http://www.libfl.ru/index-eng.shtml>

National Library of the Republic of Kazakhstan

Almaty 480013, Abai av. 14 - Republic of Kazakhstan

Director: **Zarema Shaimardanova**

Tel/Fax: +7-327-272-16-04

E-mail: zarem_a@yahoo.com

<http://www.nlrk.kz/>

ASIA**National Library of China**

33 Zhongguancun Nandajie Beijing 100081 - China

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

Deputy Director IFLA PAC China Centre: **Mr Yan Xiangdong**

Director International Cooperation Division

Fax: + 86-10- 68419 271

E-mail: interco@nlc.gov.cn

zhangzq@nlc.gov.cn, yanxd@nlc.gov.cn, hjm@nlc.gov.cn

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

National Diet Library

Acquisitions Department 10-1, Nagatacho 1-chome,
Chiyoda-ku, Tokyo, 100-8924 - Japan

Director: **Noriko NAKAMURA**

Tel: + 81 3 3506-5203

Fax: + 81 3 3581-3291

E-mail: pacasia@ndl.go.jp

www.ndl.go.jp/

National Library of Korea

KRILI/Preservation office

Banpo-Ro 664, Seocho-gu

Seoul 137-702 - Korea

Director: **Giu-Won LEE**

Tel: + 82-02-535-4142

E-mail: leegw@mail.nl.go.kr

OCEANIA AND SOUTH EAST ASIA

National Library of Australia

Preservation Services Branch

Canberra Act 2600 - Australia

Director: **Colin WEBB**

Tel: + 61 2 6262 1662

Fax: + 61 2 6273 4535

E-mail: cwebb@nla.gov.au

www.nla.gov.au

AFRICA

FRENCH-SPEAKING AFRICA

Bibliothèque nationale du Bénin

BP 401

Porto Novo - Bénin

Director: **Francis Marie-José ZOGO**

Tel/Fax: + 229 20 22 25 85

E-mail: derosfr@yahoo.fr

www.bj.refer.org/benin_ct

SOUTHERN AFRICA

Preservation Unit - UCT Libraries - University of Cape Town

Private Bag - Rondebosch 7701 – South Africa

Director: **Johann MAREE**

Tel: + 27 21 480 7137

Fax: + 27 21 480 7167

E-mail: jmaree@hiddingh.uct.ac.za

www.lib.uct.ac.za/

**PAC INTERNATIONAL FOCAL POINT
AND REGIONAL CENTRE FOR
WESTERN EUROPE
NORTH AFRICA
MIDDLE EAST**

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF PAC INTERNATIONAL CENTER

ACTIVITIES OF THE REGIONAL PRESERVATION CENTER FOR

WESTERN EUROPE, NORTH AFRICA, MIDDLE EAST

*Prepared by Christiane Baryla,
IFLA-PAC Director*

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

1. Publications

- Updating of PAC mailing list (now: 442 subscribers registered)
At the same time, we are studying the possibility for a cyber letter dedicated to brief information. The first one would be published at the end of the year. It will allow us to “lighten” IPN. Currently, we need more than 44 pages. The cyber letter could present news and notices, saving about 3 or 4 pages in each *IPN* issue.
- Circulation of our new brochure produced by Flore Izart, Program Officer (printed in July 2009). The new brochure was distributed in Milan, Rome, India and on the occasion of all the 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).
- IPN 48 (*Paper*, August 2009). This issue was very well received from colleagues notably from researchers in the field.
IPN 49 (*Disasters Management: Power of collaboration*, December 2009). The papers submitted were excellent, because of good reporting and lessons learnt from several disasters that occurred in 2009 (Köln, L’Aquila). Unfortunately, this issue was distributed the same day as the Haiti earthquake.
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).

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)

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.

3. Events and Conferences

- IFLA general conference in Milan: planning of PAC open session (25 August) dedicated to "[Convergence in Preservation Research between Libraries, Archives and Museums](#)"
- IFLA PAC and P&C Section satellite meeting in Rome : the main part of the event organization relied on CB and ICPAL's works. 110 participants were registered. Attendance was good and the papers were loaded on the IFLA website. We obtained financial sponsorship: thanks to Zeuschel and Treventus. Importantly, there will be follow-up and other meetings on the hot topic of scanning and preservation.
- Participation in the planning of Prague Conference – 29-31 October, 2009
IFLA-PAC Cycle "Preservation and the four elements", 2nd conference"
[Water Impact on Library, Archival and Museum Materials](#)

It was a success. We were honored with the presence of Prof G. Banik. The publication of the papers in Banik's important journal *Restaurator* has been delayed. Preparation of the two last conferences: 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.

- 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.

- 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)

4. Meetings

LIBER - C. Baryla is now 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 has been requested to be in the working group for ISO 11799 standards. There have already 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). End of Project Conference
<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.

Conference sponsored by IFLA-PAC:

"CULTURAL HERITAGE on line. Empowering users: an active role for user communities".
15 December 2009 - 16 December 2009, Florence, Italy.

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".

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

Remarks: as several disasters have occurred since the Haiti earthquake (Chile, North Mexico, China, French Atlantic Coast, Iceland, Pakistan) I pressed for a general meeting on the topic in Gothenburg not confined to Haiti.

5. Participation in events

- Metz - September 29:
Conference about sustainable development and library buildings.
- Prague - October 30:
Visit to the preservation centre of the National Library.
- Madrid - November 9
ENRICH conference (digital preservation) and visit to the preservation centre of the National Library and the Instituto patrimonio (future collaboration).
- ICCROM general assembly
French ICCROM division projects to organize the Conservation and Science forum that will be planned in 2011.
- London - November 30
Participation in the conference on preservation training organized by the BL Preservation Advisory Centre and launch of this Centre. Lots of ideas about training.
- Florence - December 15
Participation in the conference on digital preservation.
- Palermo and Rome - 20-25 January 2010
Meetings to prepare the last PAC conference (Earth and Fire) ICPAL Rome 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 and 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.

6. Network with PAC Regional Centres

- Renewal of all the agreements
- Preparation of PAC and P&C section in Gothenburg on sustainable development
- Research survey for the creation of two new PAC centres in India (Prof. Agrawal) and Central America (Dr Jesus Lau)
- Preparation of 2 Puerto Rico satellite meetings in connection with 1) the Rare Books and Manuscripts Section and 2) the Newspapers Section.

7. Remarks

C. Baryla was disappointed not to have been able to organize a conference during the COP 15 in Copenhagen (December 2009); she is studying the possibility to have a post COP 15 event (climate change and cultural heritage) later in Paris, involving politicians.

We are still trying to work on convergence: archives, libraries, and museums.

Conservation issues are more and more dominating all the fields in librarianship mainly due to the development of digitization.

**EASTERN EUROPE
AND THE CIS**

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 are created 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.

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 (№№ 48, 49,50) with Russian translated to 120 addresses;
- Distribution of video-films for restorers' training to Regional Libraries;

2. Seminars and Conferences

2009

- 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.

2010

- 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.

USA
CANADA

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.

LATIN AMERICA
THE CARIBBEAN

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*

PREPARATIONS DES URGENCES

2010 a constitué l'année des catastrophes à cause du tremblement de terre du 27 février 2010. On a travaillé dans 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" fait par le CNCR avec des instructions et des recommandations pour sauver le patrimoine, et la brochure "Préservation des risques" fait par le Comité Bouclier Bleu chilien.

On a fait la présentation du Bouclier Bleu et la distribution de 200 exemplaires de la brochure "Preservation 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 de 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 fait 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 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 introduced the Blue Shield and disseminated 200 issues of the brochure “Preservation des risques” in the Cities of Ancud and Valparaiso (which are in the UNESCO + 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” done in Cartagena de Indias (Colombia). M.-A. Palma presented goals and misión of PAC and Blue Shield in the Dibam blog. MAPalma sent materials in 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 as : “Emergency Psychology”, “Risk Prevention” ,“Security and Emergency” - Training in Preventive Conservation at the Biblioteca Nacional et 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

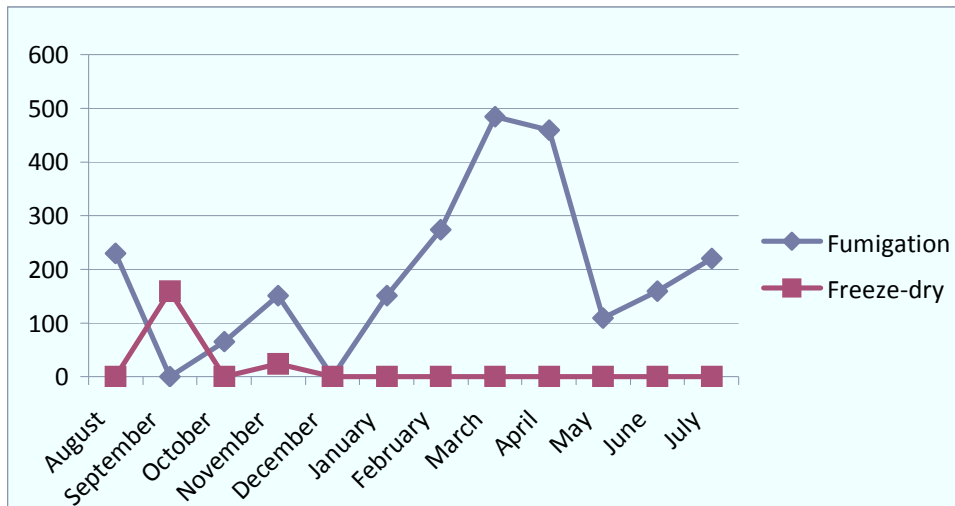
In 2005, NALIS continued to initiate the recommendations of Randy Silverman, Preservation Librarian at the University of Utah's Marriot Library in Salt Lake City. His preservation assessment detailed several steps ranging from initiating environmental monitoring and control to upgrading exhibition practices 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 in accordance with the 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.



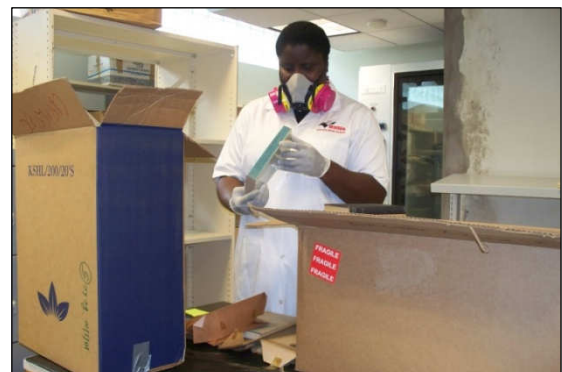
Mold growth in cover of book



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"*.

ASIA

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF CHINA'S PRESERVATION CENTER

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

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 JAPAN'S PRESERVATION CENTER

*Prepared by Noriko Nakamura,
Director IFLA/PAC of 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 its Strategic Plan 2009-2011. The following is what the NDL and PAC Tokyo carried out from August 2009 to July 2010.

1. Publications

a) 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

b) Contribution

PAC Tokyo contributed the following report to "International Preservation News" No.51: "Remote Training Program for Preservation and Conservation Provided by the National Diet Library" by Noriko Nakamura.

c) 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. Last July we created a page for the IFLA/PAC Regional Centre for Asia in Japanese on the NDL website. This page carries a description of IFLA/PAC, PAC/Tokyo's activities, news on IFLA/PAC, and the table contents of IPN translated into Japanese.

2. Training

a) 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. The 14th one-day training program was held twice in July 2010 in NDL Tokyo Main Library. The number of trainees in each session was 21, so the total number came to 42. The 14th set of trainees rated the program as very helpful.

b) 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 will be 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 have been providing the fourth e-learning program to 250 participants from April to September in 2010. This program is also very popular.

c) Other training programs

Every year the NDL provides a preservation training program to staff members of its branch libraries in Japanese government offices and the Supreme Court. The program was carried out in September and October 2009. And the program will be carried out in September and October 2010.

d) 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 2009 the NDL accepted a trainee from the National Library of China on based of the cooperation program between the NLC and the NDL, and we provided a training program on preservation as part of the curriculum last November.

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.

e) Dispatch of instructors

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

In Japan the NDL dispatched a staff member of the Preservation Division as the instructor of a seminar on preservation and conservation at the request of the library associations of Chiba Prefecture in November 2009. Now we are preparing to dispatch a staff member of

the Preservation Division to give seminars on preservation and conservation this autumn at the request of libraries in Japan.

3. Raising awareness

a) 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 2009, inviting Dr. Porck, a researcher of preservation of the Koninklijke Bibliotheek the Holland Royal Library, based on the agreement on cooperation between the Koninklijke Bibliotheek and the NDL, and we held 2 forums. The titles were "The Preservation Research Projects in Holland" and "The Special Collection of the Holland Royal Library, History of Paper".

In addition, Dr. Porck mentioned that a small fire broke out in the stacks of the Koninklijke Bibliotheek just before he left for Japan and that hundreds of books in the special collection were damaged by soot. He said the following: The library treated the soot damage early and promptly; it is important to have a disaster plan made on the assumption that any disasters can happen, and to let every staff member know the disaster plan very well, and to hold staff training in coping with disasters. The audience was surprised that a fire had broken out in the Koninklijke Bibliotheek, and it raised the audience's awareness about disaster.

In 2010, we will hold a forum on disaster preparedness, which will include both a lecture on disaster preparedness and training to rescue materials from disaster.

b) Participation in the Tokyo International Book Fair

The NDL participated in the 17th Tokyo International Book Fair from 8th July to 11th July 2010. At the booth we gave IPN to people who are interested in preservation.

c) Participation in the Children's Kasumigaseki Tour Day

Every summer vacation (in August) Japanese governmental offices invite children to see their work. The NDL located, in the Nagata-cho area next to Kasumigaseki, also invites children who are interested in the NDL. The Preservation Division, described as a "Hospital for books" explained preservation and conservation to children and gave them some practice of making book jackets.

4. Cooperation

a) 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.

b) 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.

c) Participation in the Asia Seminar “Preservation and the Four Elements: Air, Water, Earth and Fire”

The Asia Seminar “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 mainland China, Hong Kong, Korea, Macau, Taiwan and Japan. Two NDL staff members (including me) and the Head of Conservation of the Tokyo National Museum attended the seminar from Japan and each made a report. The seminar was really meaningful and stimulating to share information and experiences on the four elements in Asia.

d) Visitors

Visitors from overseas: 16 people

Visitors from inside Japan (including reporters of mass media) : 42 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 are now preparing to publish the results of the research in 2010.

6. Storage Environment

For integrated pest management (IPM), we have been monitored the storage regularly, recorded the presence of insects and pests, and set sticky traps. 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.

So we decided to hold a meeting regularly, which all members concerned in the NDL attend, to improve of the storages. The first meeting was held in August 2009. We have already achieved some results.

For example, we decided on the procedure of killing insects and sterilizing materials acquired by purchase from a secondhand bookstore, by donation and by exchange with tropical countries, to protect against insect, pests and mold. We decided that we would wear indoor shoes in the stacks, and that visitors would wear covers on their shoes in the stacks.

In order 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 of 2010. We also contributed a report on the storage environment IPM to the next issue of the CDNLAO Newsletter.

7. The NDL principle to protect materials from disaster

The NDL formulated the principle to protect materials from disaster. 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. Happily, 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 we made a principle to protect materials from disaster, and under the principle we are improving existing manuals, making new manuals and our disaster plan.

8. Preservation of Digital Resources

a) 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 will digitize approximately 900,000 materials such as books, serials, old rare books, doctoral theses, children's books, and official gazettes, on a supplementary budget for two years, on the base of the plan for preservation reformatting, covering FY 2009 - FY 2011.

b) 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.

c) 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.

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

The three libraries have discussed "Trilateral Cooperation in a Digital Archiving Project between NLC, NLK and NDL". The conference of directors of the three national libraries held in Seoul on 18th June reached an agreement on the trilateral cooperation project. The concrete discussion, mainly on the development of the portal site, mutual use of meta-data, and machine translation, will be conducted among the three national libraries in the future.

e) Cooperation with international organizations

The NDL has been cooperating and liaising with international organizations such as 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.

9. Others

Mr. Takao Murayama, the former director of the IFLA/PAC Regional Centre for Asia, has been dispatched to the Nepal National Library to proceed with preservation activities as a JICA (Japan International Cooperation Agency) Senior Volunteer in June. We are supporting his activities.

We are supporting the Conservation & Preservation Division of the Sri Lanka National Library by providing information on preservation.

10. Development of human resources

As mentioned above, in order to cope with a variety of preservation issues, from traditional preservation to digital preservation, development of human resources is necessary. So the NDL provided staff members with opportunities for various kinds of training inside and out of Japan. A staff member of the Preservation Division learned all the preservation activities including leather binding in the Bibliothèque Nationale de France from last September of 2009 to June of 2010, and now she is studying in the Library and Archives of Canada, subsidized by the Library Advancement Foundation. The NDL also sent a staff member of the Digital Library Division to Leiden Graduate School to study the publication and sharing of cultural heritage in digital environment.

REPORT TO IFLA ON PAC ACTIVITIES

ACTIVITIES OF KOREA'S PRESERVATION CENTER

*Prepared by Guiwon 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.

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.

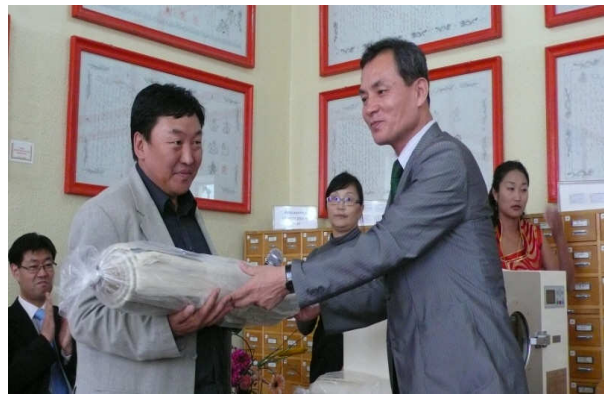
3. Seminars and Conferences

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 donated preservation materials such as box, folder and Han-ji and so on. Korea and Mongolia has concremented 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]

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 conservatin 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.

OCEANIA
SOUTH EAST ASIA

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 commenced 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.