Library of Congress Report
ALA/ALCTS/CaMMS Committee on Cataloging: Description and Access
American Library Association 2016 Midwinter Meeting
Boston, Mass.

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This document covers only selected initiatives undertaken at the Library of Congress since the ALA 2015 Annual Meeting in San Francisco, with a focus on descriptive cataloging activities. A full document covering all LC activities (including cataloging topics related to subject analysis and classification) is available on the "LC at ALA" Website, URL http://www.loc.gov/ala/.

LIBRARY OF CONGRESS EXHIBIT BOOTH
The Library of Congress Exhibit booth is no. **1531** in the Boston Convention Center.

Significant Library-wide Personnel Changes
Dr. James H. Billington, the Librarian of Congress, retired on Sept. 30, 2015, after 42 years of federal service including 28 years with the Library. Dr. Billington was the 13th Librarian of Congress.
David S. Mao, Deputy Librarian of Congress, was named acting Librarian of Congress. Robert R. Newlen is the Library's Chief of Staff.
Bernard A. "Bud" Barton was appointed Chief Information Officer, effective Sept. 8, 2015.
Roberta I. Shaffer was appointed Acting Law Librarian of Congress, effective Oct. 5, 2015.
Kathryn Mendenhall, director for National Programs, retired on Dec. 31, 2015.

Organizational Realignment
On May 18, 2015, Dr. James H. Billington announced a realignment plan to better position some of the Library's programs to support its institutional vision. The new organizational structure took effect on Oct. 1, 2015, at the start of fiscal 2016. The new structure strengthens the Library's information technology and other support functions, elevates the outreach function, consolidates digital and analog collection management, provides a better overall support structure for staff, improves overall management and delivers continuous service improvements to the Library's customers.

Staffing and Personnel Changes in Acquisitions and Bibliographic Access (ABA)
The ABA Directorate has permission to fill approximately 30 vacancies from open postings—not limited to internal applicants—in 2015-16. Every division has permission to fill one or more vacancies, and the vacancies will be announced on the USAJOBS web site and the Library's web site as the application periods open. Most of the positions to be filled are for professional librarians and may carry specific language requirements.

Ana Cristán, Cooperative Cataloging Program Specialist in the Policy and Standards Division of ABA, retired on Sept. 3, 2015, after 35 years of federal service (30 years at the Library of Congress). Notable contributions from Ana's time in PSD include development work on the Virtual International Authority File, Latin American outreach via cataloging training and documentation, RDA development and training, and automated enhancements to the LC/NACO authority file. Cassandra Harris, a longtime member of the PSD Data Integrity Section, retired in October 2015.

Federal Budget
Although Fiscal year 2016 began on October 1, 2014, the final 2016 appropriation bill for the Library was not passed until December 18. The Library's appropriation is about $11 million above the previous fiscal year, but nearly $25 million below the FY 2016 budget request.

Cataloger's Desktop
Last year's work on *Cataloger's Desktop* resystemization has been receiving some fine tuning. *Desktop* has been moved to the cloud, with both system reliability and response times dramatically improved. The most significant visible change over the past six months has been to make it possible for *Desktop* users to search and access *Classification Web* from within *Cataloger's Desktop*. There have also been several enhancements to *Desktop*'s security, with a major upgrade to password security due for release with the upcoming 2016 Issue 1 in February.

In the coming months LC staff will be surveying *Desktop* subscribers to identify needs for future development and support. Suggestions for survey questions, new content, or improved features should be sent to Bruce Johnson at LC at bjoh@loc.gov. Subscribe to the free *Cataloger's Desktop* discussion list at URL <www.loc.gov/cds/desktop/ugroup.html>.

ALA-LC Romanization Tables
The pace of ALA-LC Romanization Table development has slowed over the past six months. One proposed new table is currently in development. Staff in PSD and elsewhere in the Library of Congress worked closely with ALA's Committee on Cataloging: African and Asian Materials (CC:AAM) and Committee on Cataloging: Description and Access (CC:DA) to develop and review these tables. Highlights of 2015 include:

- A proposed new Deseret table was received from Kjerste Christensen of Brigham Young University. The proposal has completed LC-internal review and is currently undergoing constituent review until January 21, 2016.
- The Library of Congress responded to a preliminary report from a CEAL Working Group that is discussing the need for further revision to the Japanese romanization table. The Working Group's term has since expired and it is unclear when a successor group will take up this effort.
- A revision of the Mongolian table is being developed by Wayne Richter of Western Washington University, building on a proposal submitted in 1998. No completion target date has been set.

All current *ALA-LC romanization tables* are available on the Web at URL <www.loc.gov/catdir/cpso/roman.html>, as well as in *Cataloger's Desktop*. Any questions about romanization table development should be directed to Bruce Johnson (Policy & Standards Division) at <bjoh@loc.gov>.

Library of Congress-Program for Cooperative Cataloging Policy Statements
The RDA Toolkit releases in August and October of 2015 represented 74 statements updated, new, or deleted. Many of the updates were related to reconciling policy statements with the recommendations from the PCC Series Policy Task Group. The next set of updates to the LC-PCC PSs will occur in February of 2016.

PCC RDA Authorities Phase 3B Changes
Staff at LC and the NACO Nodes continue to work with Gary Strawn (Northwestern University) and the PCC Phase 3 RDA Authorities Task Group to prepare for the final phase of recoding all eligible name authority records in the LC/NACO Authority File with the appropriate RDA indicia. Although it was hoped that Phase 3B would take place during 2015, the date of the production change has not yet been set pending a successful test of the process. The two major tasks to be achieved in Phase 3B are: re-coding AACR2 authority records as RDA when 1XX fields contain no RDA-contrary elements; and enhancing records with other data elements including the addition of 024 fields for ISNIs (the International Standard Numerical Identifier) to names in the LC/NAF that match the ISNIs on the list supplied by OCLC-Leiden (these additions may occur on records already coded as RDA). Announcements on the timing of the changes will be made after testing has been completed.

LC's Integrated Library System
In December 2015 the Library retired the old user interface to the LC Online Catalog. The current interface has all the functionality of the old version, including context-sensitive help pages. The Library is currently running the LC Integrated Library System (ILS) on Voyager 8.2.0.

In September 2015, the ILS Program Office implemented Secure Sockets Layer (SSL) technology in the LC Online Catalog. SSL is a commonly used cryptographic protocol designed to protect communication over the Internet. This encryption technology ensures the privacy, integrity, and authenticity of web site communication, thus securing the user's OPAC session to prevent eavesdropping and tampering. All OPAC sessions now use the URL "https://catalog.loc.gov" instead of "http://catalog.loc.gov". Users will see a small padlock icon preceding the URL in the address bar of most browsers. Existing URL links to the LC Online Catalog will be seamlessly redirected from http to https.

Market Research for Next Generation ILS: In fiscal 2015 the ILS Program Office began market research for a Next Generation Integrated Library System. The ILSPO is conducting outreach to ILS vendors to discuss the future of Next Generation systems and learn about technological trends and improvements on the horizon in order to develop the Library's requirements for a next generation system.

Bibliographic Framework Initiative
This initiative is an investigation of the emerging Linked Data environment for sharing of bibliographic descriptions that currently use the MARC Format. Documentation of the project is available from the BIBFRAME web site, URL <http://www.loc.gov/bibframe>. In FY 2015, the Library of Congress continued development of the Bibliographic Framework model and vocabulary to replace MARC 21 as a cataloging metadata standard in order to reap the benefits of newer technology, particularly data linking. The Library built on the work and tools developed in fiscal 2014: a stable version of the vocabulary, data entry editing tool, and transformation tool that converts MARC records to BIBFRAME descriptions. These were updated and combined with other new components to support a BIBFRAME Pilot that enables input of native BIBFRAME descriptions. The Pilot was implemented by ABA at the end of September 2015. The following tools and components contribute to the Pilot and to the encouragement of experimentation with BIBFRAME by the community, as generally they are made available for download on the software sharing site, GitHub:

BIBFRAME infrastructure. In fiscal 2015 NDMSO began the process of revamping servers and systems to handle new traffic loads anticipated for linked data resolution, label lookup, and other services related to the BIBFRAME project and the linked data service, id.loc.gov. An upgrade to the MarkLogic datastore server to 8.0 was purchased, to allow for security updates and the inclusion of native handling of RDF triples in the database, as well as to allow for the possibility of using Javascript for various components of the system, not only xQuery. This effort is continuing in fiscal 2016 as we install the upgrade and begin to take advantage of its new features. The currently installed version of MarkLogic (5) was used to support the BIBFRAME Pilot.

BIBFRAME Editor (BFE). Development of the BIBFRAME Editor continued in 2015, and was integrated with profiles provided by the Profile Editor. Lookups were also developed for resources within id.loc.gov that were needed by the Editor. The enhanced BIBFRAME Editor was successfully introduced in the BIBFRAME Pilot to develop descriptions of library resources using the BIBFRAME model and vocabulary. Version 0.2 of the editor was prepared for release; see URL <https://github.com/lcnetdev/bfe>.

BIBFRAME Profile Editor. A BIBFRAME Profile Editor, which was needed to make the BFE flexible for use with different forms of material, was delivered by a contractor in February 2015. It enabled creation and editing of BIBFRAME profiles for use with the BFE in support of the BIBFRAME Pilot. Version 1.1.1 was released to the public in July 2015 (URL https://github.com/lcnetdev/profile-edit).

BIBFRAME discovery interface. Influx Library Systems was contracted by NDMSO to build a proof-of-concept implementation of an open-source based discovery interface to the BIBFRAME vocabulary. MARC records were converted to BIBFRAME using the existing marc2bibframe conversion application. A docker container with an Elasticsearch search engine, Blazegraph SPARQL endpoint,

FEDORA Commons datastore with a front end UI, developed using Python 3.x. Version 0.1, was released in August 2015 for experimentation with BIBFRAME by the community (URL https://github.com/lcnetdev/bibframe-catalog).

    Metaproxy enhancement. In fiscal 2015 LC contracted with IndexData to augment Metaproxy to process SRU searches against a BIBFRAME-based database and retrieve BIBFRAME data (in addition to the MARC-based database it currently expects). The project illustrated that Metaproxy could accommodate the BIBFRAME-based data model. A follow-on contract then enhanced the product to a more detailed level to enable LC to determine issues and enhancements needed for the SRU standard search protocol and its query language Contextual Query Language (CQL). These standards are maintained by the Library of Congress and used extensively by LC and the library community for information retrieval.

    AV in BIBFRAME. The Library also commissioned a study as a follow-on to the study on modeling audiovisual material in BIBFRAME that was published in 2014 (URL <http://www.loc.gov/bibframe/pdf/bibframe-avmodelingstudy-may15-2014.pdf>). The new study investigates the levels of technical metadata needed in the bibliographic description in order to use the item, versus linking to more detailed technical details needed for preservation of an item. It is completed and near publication.