

**Content Access Management Unit Annual Report**  
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**Submitted on September 6, 2015**

**UIUC Library by the numbers for FY2014/2015**

The Library added 247,560 new titles and 262,723 new items during the past year. Of those new items, 99,775 were electronic resources or 41 percent of cataloged items were electronic formats.

Breakdown by Voyager Library Locations can be viewed at:

<https://www.dropbox.com/s/6wtlzuk9ku83fnb/New%20Titles%20and%20Items%20Added%20FY2014-2015%20by%20Voyager%20Locations.xlsx?dl=0>

Totals for the Library as of July 1st, 2015 are (Law Library not included):

Total Titles: 8,347,198 (247,560 new titles added since FY2014)

Total Volumes: 13,699,413 (262,723 new volumes/items added FY2014)

Total Ebooks included in total volumes: 1,153,456 (79,356 new titles added)

Circulation totals of the print collections were 407,135 transactions for the FY2014/2015 fiscal year.

SFX Use Stats for FY2014/2015

Total Requests: 821,333 --- Total Clickthroughs: 608,114

Unit	Titles Touched	Holdings Touched	Items Touched
CAM	154,304	171,299	319,089

**1. Major Activities and accomplishments for the CAM unit in FY2014/2015**

For FY2014/2015, the Content Access Management Teams had another good year with the total number of items cataloged. Work in CAM concentrates on cataloging electronic resource, creating metadata for digitized objects, cataloging foreign language materials, performing original cataloging of new materials, and improving and enhancing previously cataloged titles to provide better access. Over the past year, we cataloged or enhanced over 154,304 print and digital titles and touched over 319,089 items in the Library's collections. We added 98,389 new electronic resources to the catalog, including 79,356 e-books, 14,375 streaming videos, and over 10,000 other e-formats titles. Also, we created or enhanced thousands of non-MARC metadata for ContentDM, IDEALS, HathiTrust, and Internet Archive. As the numbers show above, we also performed maintenance on hundreds of thousands of bibliographic, holding, and item records. This past year, while larger numbers were produced in RBML (for the Cavagna Collection) and Collection Management Services (for the C. College Catalog Collection), CAM catalogers helped put the UIUC Library in the top ten ranking of libraries contributing original cataloging to OCLC WorldCat. CAM also had another successful year reducing the backlogs of several collections including Federal Government (1,250 titles), United Nations (1,868 titles) publications, foreign language materials (including Arabic, Hindi, Japanese, and Korean), a backlog of over 1,000 gift audio CDs for the MPAL Library, and dissertations and theses. We continue to work hard to make "all" these resources findable and accessible to users as quickly as possible.

**CAM Cataloged by Format: FY15  
Titles Touched - Physical Format**

Format	Total Titles
Archival	106
Monograph	39,168
Serial	9,351
Score	2,015
Map	263
Video	2,087
Music Rec.	2,525
Kit	12
Computer File	189
Mixed Media	5
Manuscript	194
Total	55,915

**CAM Cataloged by format: FY15  
New Titles - Electronic Format**

Format	Total Titles
Monograph	79,356
Serial	3,771
Map	146
Video	14,375
Music Rec.	230
Manuscript	189
Integrating Res	322
Total:	98,389

**CAM Cataloged by Language: FY15  
New Titles**

Language	Total Titles
English	126,405
French	3,582
German	2,601
Chinese	1,745
Spanish	1,679
Arabic	1,400
Italian	1,334
Korean	1,272
Russian	1,239
Spanish	1,679
Hindi	783
Latin	599
Polish	347
Czech	165
Persian	107
Hebrew	46
Other	10,656

## **CAM Reorganization:**

The Content Access Management (CAM) unit in the Technical Services Division is responsible for the cataloging, classification, and subject analysis of the library's collections in all formats and languages which the library acquires and publishes. CAM leads the library's efforts to keep the collections vital and up-to-date by providing best practices, training, and services for cataloging and metadata creation, as well as maintenance that ensures the discovery and access of the library collections.

In January 2015, CAM began the work to reorganize into a better functioning unit to manage all the cataloging and metadata work occurring within the department. We had the goal to become more efficient and effective in managing the different primary functions of the CAM department, including Metadata Services, Monographic Cataloging, Serials Cataloging, Electronic Resources Cataloging, Foreign Languages Cataloging, Government Documents Cataloging, Music and Performing Arts Cataloging, Database Maintenance, and Authority Control.

For Summer 2015, CAM instituted a new organizational structure. Michael Norman continues to provide overall leadership for the unit as well as for Serials, Government Documents, and Music and Performing Arts cataloging (until other leadership can be determined). Six new CAM teams were created with new team leaders named to manage and be responsible for the day-to-day work for the functional groups in CAM. These team leaders also serve as the primary contacts for the Library in general and supervisors of 29 FTE of permanent staff and additional 7 FTE of hourly employee to provide satisfactory levels of production to support the bibliographic control and best discovery and user experiences of the Library's collections.

The new CAM teams includes:

- Metadata Services (Team Leader: MJ Han)
- Electronic Resources Cataloging (Team Leader: Willy Kries)
- Monographic/Media Cataloging (Team Leader: Janet Weber)
- Foreign Languages Cataloging (Team Leader: Nicole Ream-Sotomayor)
- Authority Control (Team Leader: Qiang Jin)
- Serials Cataloging; Government Documents Cataloging ; Music and Performing Arts Cataloging (Interim Team Leader: Michael Norman)

With the new reorganization in CAM, the unit continues to emphasize close collaboration and good communication between units in the Technical Services Division and other departments where levels of cataloging and maintenance work is performed, notably Acquisitions, Collection Management Services, and the Rare Book and Manuscript Library. The CAM teams will work closely with these other units by providing cataloging best practices, workflow documentation, and training.

The CAM unit is experimenting with this new organizational structure until the end of 2015. Afterward, CAM will review the structure and make additional changes to better implement CAM's and the Library's missions. All the new team leaders have stepped up and worked hard to determine unit goals and set up the new CAM organizational structure. We continue to work to improve CAM in all aspects. We look forward to this coming year to see all that can be accomplished.

### **Metadata Services**

MJ Han had another successful year leading much of CAM's and the Library's metadata work for FY2014/2015. She was involved in many different projects over the past year to create, produce, and enhance metadata records for our locally created digital collections.

### **HathiTrust ingest of metadata records**

MJ continued to submit metadata to HathiTrust for the ingest of digitized resources created through Google Books, Internet Archive, and the University of Illinois local digitization projects. There were over 134,434 records submitted to

HathiTrust this past year. MJ continued to improve the processes of submitting metadata to HathiTrust of newly digitized titles and items. With the work of MJ and her team, this is the most efficient and effective processes of submitting metadata to HathiTrust and Google we have ever had in the Library. We are in a much better place of getting these metadata records to other organizations faster than in years past and making these digitized titles accessible to users. Much work was also put into the remediation of existing records to improve accuracy and currency of titles previously ingested in HathiTrust. These records were improved in-house and resent to HathiTrust to correct and adjust existing data. Ingesting the metadata and scanned objects into HathiTrust has become more defined, with MJ working out this segment of the digital life cycle for digitized work from Google, Internet Archive, and locally digitized collections. This has been a major improvement for the Library.

### **Library Locally Digitized Collections**

CAM continued to provide metadata for several ongoing digitization projects in the Library, including Emblem, Unica, Brittle Books, and other local collections in ContentDM. Several new collections include Sanborn Maps, World War I maps, and the Myers Collections. There is ongoing work in ContentDM to clean up field names and mapping metadata over to the Access Application. CAM also aided in getting more of the locally digitized collections, including Manuscript Collections of the University of Illinois, Rare Book Collections of the University of Illinois, Brittle Books, and Theses and Dissertations into HathiTrust and IDEALS. The library endeavors to contribute all digitized general collections produced locally, as well as those digitized in partnership with the Internet Archive and the Google Books project, to the HathiTrust Digital Library. CAM will continue to collaborate Preservation Department and Library IT to provide the metadata for this work.

### **Metadata Maker application**

Last year, we reported that the innovation grant that Technical Services Division received to help create programming for collaborative cataloging of foreign language materials across academic and research libraries was transferred over to MJ Han and a small team to investigate the development of a tool to help create metadata records without extensive knowledge of cataloging rules and standards. There are many individual titles and collections sitting in backlogs of the UIUC Library and many other libraries needing original cataloging. These unique and hidden collections, as well as an increasing number of foreign language materials, are not discoverable by users due to a lack of bibliographic metadata and the individuals to create the cataloging for these items.

What is needed by the library community is programming that can allow us to pull in individuals without the extensive knowledge or experience of using the standards, rules, and systems utilized by libraries but who can still produce basic levels of bibliographic metadata to allow users to search for and find these unique and hidden titles. And, that is what has happened with the creation of *Metadata Maker*. The team of MJ Han (lead), Deren Kudeki, Nicole Ream-Sotomayor, Patricia Lampron, Janina Sarol, and Janet Weber, with *Metadata Maker* have created a metadata web application to meet the current need of a tool for metadata production which can be used by most anyone, regardless of cataloging instruction or knowledge, to create good enough metadata records.

The team finished their work in Winter 2015 and it is being used currently at the UIUC Library to catalog materials previously sitting in our backlogs, particularly foreign language materials at the start, but with possible plans to extend out to other collections such as Government Documents, Theses and Dissertations, titles identified for digitization, and microforms. Initial testing has revealed that the application is easy to use and creates metadata that meets minimum level record requirements.

When combined with a well-designed and simple training program and given materials that have the appropriate information, users could potentially create full-level metadata. However, the application has room to improve in areas that will enhance metadata quality and ease of working with other cataloging/metadata systems and databases. The application works well as a metadata production tool that supports diacritics, Unicode non-Roman language encoding, and creates good enough quality metadata records.

The application was created as an open source project, so any institution can use and modify it as needed. *Metadata Maker* has been demonstrated at multiple conferences over the past year. Other libraries have shown interest in utilizing the application. The University of Toronto has incorporated *Metadata Maker* into some of their daily workflows and, hopefully, other libraries to follow. MJ and her team should be commended for all the hard work and follow through on producing such a useful tool that is helping the UIUC Library reduce its backlogs and make these unique titles accessible to users.

## **Digital Public Library of America**

This summer the Digital Public Library of America announced the addition of four new Service Hubs to join their Hub network. The Illinois Hub is one of the new ones added and the responsibilities will be shared by the Illinois State Library, the Chicago Public Library, the Consortium of Academic and Research Libraries of Illinois (CARLI), and the University of Illinois at Urbana-Champaign. The Illinois collections will include coal mining in the state, World War II photographs, collections documenting rural healthcare in Illinois, and others.

MJ and the UIUC Library will take a lead role in the management of the metadata services for collections added to DPLA. As a metadata and service aggregator, the DPLA requires contributors' metadata comply with current applications. The UIUC Library will work with each participating institution in the Illinois Hub. Under the direction of MJ and a visiting Metadata Specialist reporting to her, best practice documents for using the Dublin Core schema has been worked on over the past year. The best practice document will ensure the creation of shareable metadata that will work with DPLA's service and other library systems as well.

The UIUC Library Metadata team will also create a collection registry for all collections that will be included in the Illinois Hub. The collection registry will work as a place not only to update the status of the metadata work but also to identify all collections available in the Illinois Hub. The UIUC Team will also work with each collection owner in the State of Illinois on their metadata (particularly mappings and use of controlled vocabularies) to identify areas of work that needs remediation for inclusion in DPLA.

Considerable time and effort by MJ and others in CAM and the Library over the past year went into the proposal to become a DPLA Hub. With the approval by DPLA last month, the UIUC Metadata Team, with MJ as the lead, will provide recommendations to Illinois partners about metadata needs and will help identify and carry the metadata work for ingesting of these important collections. This was an important achievement for the State and the UIUC Library to be part of this national initiative to make the local and state collections accessible to the world.

## **IDEALS**

With Sarah Shreeves leaving for an AUL position at the University of Miami in December 2014, CAM has stepped up over the last six months to take on much of the metadata needs for the IDEALS repository. MJ Han is the interim administrator over the Vireo Electronic Theses and Dissertations (ETD) system and Ayla Stein supports the deposit of Illinois scholarly output into the system. MJ and Ayla also work collaboratively with Merinda Hensley and Karen Hogenboom for managing the repository.

MJ has been working with Bill Ingram and Seth to get current with adding IDEALS theses and dissertation records into Voyager and WorldCat in timelier manner. We are also looking into adding more of the Proquest ETDs records into IDEALS and the online catalog to get fuller representation and access of University of Illinois theses and dissertations to library users.

With the upcoming upgrade of IDEALS from DSpace 3.2 to version DSpace 5, there is a need to update existing metadata to adhere to the Dublin Core Terms namespace. Previous versions of IDEALS metadata are based on Qualified Dublin Core which is practically an entirely different metadata schema. Over the past several months, Ayla has led the process to remediate the existing metadata to follow the new schema. Much of this work has concentrated on names with the system. There are a lot of records in IDEALS that require metadata remediation. Currently, a GA and Ayla have been working on batch metadata remediation work, focused on names. In addition to names, we can develop ways to

improve metadata in a more systematic way. Ayla has been working to automate and work with the metadata in batch processes and set this up for the upgrade to newer version of DSpace or migration to another system in the future (e.g. Fedora).

### **Additional Metadata Work by Ayla**

Ayla Stein has been with the Library for over a year now. She has been helping CAM and the Library in three major areas regarding metadata work. She stepped up to help with the repository work in IDEALS and helping migrate the metadata of Illinois scholarly output. As much of this metadata is input directly by Illinois faculty and staff, it is important this metadata is accurate and consistent with the repository standards. Ayla is putting in considerable time to determine ways to accomplish this in batch and bulk processes to correct mistakes and mappings. It will benefit IDEALS to achieve this but could also aid us in other Library systems and repositories.

Another area Ayla has put concentrated effort over the past year is digital preservation. She has been working with Kyle Rimkus, Tracy Popp, and Josh Harris to help establish the best metadata schemas to utilize for the preservation of born-digital items and media preservation. Ayla has been working with each to establish metadata records for ingest into Medusa, the Library's digital preservation service (which according to Kyle holds over 7,000,000 files totaling over 46 terabytes of master files from over seven hundred digital collections). CAM always needs to work collaboratively with the Preservation Department to determine best ways to define the best practices and processes of creating and ingesting the descriptive and administrative metadata into the lifecycle of all the Library's local digital objects. Ayla will continue to play an important role for CAM in this collaborative work in digital preservation.

A third area that Ayla has helped CAM and the Library with in FY2015 is data curation. As the Library gears up to partner with researchers to help manage, curate, publish and archive research data including numeric, geospatial, image, and video data, the creation of metadata and provenance information for datasets will be critical for the dissemination and discovery of this data. CAM wants to support the metadata needs for research data management, publishing, and long-term access to research data. As the Library assists researchers to prepare and deposit datasets into campus or discipline-specific repositories, the metadata associated with the datasets is important for ingest but also into our local discovery services including the online catalog and Easy Search. This metadata can also be discovered in such services as DataCite and other subject indexing and abstracting services. In FY2014/2015, MJ and Ayla started working with Bill Ingram as Repository Manager and Heidi Imker and the Research Data Services Team to determine the best options for repository-level metadata. Similarly, CAM's Metadata Services Team is in the process of discussing functional requirements of the Research Data Bank.

Ayla also worked with Karen Hogenboom to provide better access to the Library's paid dataset collections. We were able to harvest metadata records for these collections, including the ICPSR collection, and get these collections loaded into the online catalog and up-to-date for the first time in several years.

The past year, Ayla has also worked with Heidi Imker as a faculty mentor for a Focal Point project, the initiative designed to stimulate new interdisciplinary research in areas of critical national and human need.

### **Foreign Language Cataloging**

Overall, the Library cataloged a total of 46,777 non-English titles for FY2014/2015. The Foreign Language Cataloging Team, led by Nicole Ream-Sotomayor, had another productive year by cataloging 10,198 print titles throughout the year. The top ten non-English languages titles cataloged by CAM are Chinese, Arabic, Japanese, Russian, Korean, Hindi, Polish, Ukrainian, Bengali, Czech, Sanskrit, and Turkish. Also, over the last fiscal year, CAM catalogers touched a total of 173 different non-English language materials. It is fascinating to see all the different language materials that come into Room 220 each year. The Foreign Language Cataloging Team did really good work cataloging all these titles.

Also, the Library keeps adding more non-English titles in electronic format. These are mostly ebooks. Willy Kries cataloged 8,383 foreign language titles in FY2014/2015. There were over 1,200 titles added to the cataloging of non-

English titles added to the catalog of locally digitized materials with Russian, French, and German the predominant represented languages.

### **CIC Cooperative Cataloging Pilot**

Another big project Nicole and the Foreign Language Cataloging Team participated in over this past year was the CIC Cooperative Cataloging Pilot. Many of the CIC Libraries joined the pilot to investigate the sharing of cataloging needs across the participants to create bibliographic records for foreign language materials where an individual library does not have the language proficiency to catalog in-house. For example, another CIC Library with someone on staff with specific language expertise could create the record for the library needing help with language materials they don't have proficiency.

Each of the participant libraries agreed to catalog a total of 120 titles for another library. UIUC Library sent materials out in Hungarian, Hindi, Turkish, and Portuguese languages to the University of Chicago to catalog for us. In return, CAM cataloged materials in Hebrew and various Slavic languages. We successfully cataloged and returned the titles to the library which sent the materials. And, we received optimal cataloging of the language materials we sent to the University of Chicago to catalog for us.

The CIC pilot has concluded and is currently at a stage of analyzing the data collected from all the participant libraries. A small group that includes Mary Laskowski from UIUC Library has formed to look at the data, make recommendations for ways to proceed forward, and write up a formal report to submit to the CIC Technical Services Directors and Library Directors in the Fall 2015. The group is looking at comparing the work completed in the pilot with what it would cost to outsourcing to various contract cataloging vendors such as OCLC Contract Cataloging, Backstage Library Works, Library Cataloging Solutions, and MARCNow.

Later this year, the Library should know if any permanent situation will be set up to share cataloging needs of foreign language materials across the CIC Libraries. If the cost is not prohibitive, sharing this work for titles we do not have language proficiency in CAM or the Library could be beneficial for us. We look in anticipation to the report from the study team. Nicole, the Foreign Language Cataloging staff, and Mary Laskowski did great work for this pilot project and important information was gained for future possibilities.

### **Additional Work by Nicole**

In her work as Foreign Language Cataloging Specialist and also now as the Foreign Language Cataloging Team Leader, Nicole has been extremely productive managing the staff and work from the team. She cataloged a second large collection of South Asian graphic novels, primary in Hindi and Bengali. She basically learned Hindi and Bengali on her own to be able to catalog this collection of graphic novels. In connection to the cataloging of the Undergraduate Library large collection of graphic novels, probably among the most difficult materials to catalog, Nicole led two graduate assistants in a project to create new cataloging procedures and documentation for the graphic novel collection.

Nicole served as the Library's testing coordinator for OCLC's Low Barrier Metadata Creation tool which is similar to the Metadata Maker application created in CAM to produce metadata for uncataloged backlog materials and foreign language titles. Nicole pulled the Foreign Language cataloging staff into continued testing of Metadata Maker to catalog materials received by the Library to see how it could impact current cataloging as well. And, Nicole, working with Patricia Lampron and others, helped present about the Metadata Maker project at the 2015 ALA Midwinter conference.

Nicole used her investigation time to complete a 2-week intensive beginning Arabic course and a semester-long Modern Hebrew course. This course work as helped us tremendously in having someone who can help cataloging in these languages.

## **Electronic Resources Cataloging**

There were 98,389 new electronic resources added in FY2014/2015, including 79,356 e-books, 3,771 e-seriales, 14,375 streaming videos, 322 integrating resources, and 565 other formats. Also, there were over 11,560 upgrades and enhancement of existing bibliographic records of e-resources in the online catalog. As of June 30, 2015, there are 1,204,826 total e-resources in the Library's collections with over 1,074,100 e-books included in the totals.

Willy Kries, E-Resources Cataloging Specialist and also now the Team Leader of E-Resources Cataloging, cataloged most of those new e-resources added over the year. He added and edited over 124,000 records for e-resources in FY2014/2015. He continued the work to make e-resources, particularly e-books, accessible as quickly as possible after the purchase of titles or collections. It is only taking on average 2-3 weeks after purchase to get these records into the online catalog. Many new e-resource collections were purchased and added to the catalog this past year, including Adam Matthews collections, Alexander Street Press streaming media, Springer Ebook backfiles, Wiley Online Book backfiles, and Kanopy streaming media. Willy also continued to add new titles for over 40 different e-book collections, including Elsevier, CRC, SPIE, Access Engineering, and Safari. Willy has also taken on the responsibility for cataloging title-by-titles streaming video purchases.

More and more e-resource titles are being purchased by the Library and CAM will work to increase the number of individuals working on these collections. In FY2014/2015, CAM did get approval to hire a new E-Serials Bibliographic Control Specialist position. Reporting to Willy, this new position will add another important person to help provide better representation and accessibility of all e-resources collections in the online catalog, WorldCat Discovery, Easy Search, and the Library's various search systems.

## **Monograph/Media Cataloging**

CAM had another productive year in the number of monographs and media titles cataloged and maintained in FY2014/2015. Over the past year, there were 39,168 print monographs, 2,087 videos, 2,585 music recordings, and 2,100 micorform reels added or enhanced in the online catalog. Of these records, over 2,200 were original cataloging by CAM staff.

In fact, the Library again ranked in the Top Ten Original Catalogers for FY2014/2015. In the OCLC Annual Report for FY14, ranked eighth for libraries contributing original cataloging for the year. The Library added 13,642 records during this period with a large number of the records contributed including original cataloging of e-books, foreign language materials, locally digitized items, historical titles from the Library's College Catalog collections (C. Collection) and thousands of titles cataloged by the Rare Book & Manuscript Library (RBML) and Content Management Services (CMS) from the Cavagna Collection.

Along with the cataloging of many new materials, there were continued efforts to clean up large collections of bibliographic records in the online catalog including:

- moved holding records of items missing longer than three years to newly created Missing - Long Term location
- worked with holdings of library locations no longer being used (particularly of libraries merged or collections transferred to new locations) to make current and accurate
- continued the enhancement of over 1,000 short MARCette records to full-level bibliographic records in the subject categories of art, architecture, literature, linguistics, and history
- worked with Prairie Library to catalog and enhance over 1,000 titles from the various Illinois survey libraries for transfer to Oak Street
- cataloged hundreds of items for ACES City Planning special collections
- updated thousands of bibliographic and holding records for audio/visual titles
- cleaned up thousands of S. Collection Children's Literature holdings
- Janet Weber had another productive year with editing 16,594 bibliographic, holdings, and item records in the catalog and worked on over 500 line items in the Acquisitions module

In her work as Manager of Cataloging and now also as the Monograph/Media Cataloging Team Leader, Janet Weber continued to lead the unit in managing all the numerous workflows and processes we follow to get materials into CAM to catalog and out to the Library shelves when finished. She spent considerable time cleaning up cataloging authorizations after the upgrade to Voyager 9.1.2 in late May 2015. This past year, CAM made it a priority to review all authorizations and clearances to decrease the number of errors and issues appearing in the catalog. The Cataloging Clearance Team worked with Library departments to address cataloging needs and determine appropriate clearance levels within the units.

Janet, Willy, and Stephanie Baker worked to investigate CAM's transition to utilizing OCLC's WorldShare Platform in our day-to-day work for cataloging, management of holdings data, bibliographic notification of enhancement of records, and administration of new records added to particular e-resource collections. The current OCLC Connexion system will eventually be retired sometime in the near future. The work by this team for FY2014/2015 will benefit CAM and the Library in this important change to our cataloging and maintenance workflows.

### **Authority Control**

In FY2014/2015, Qiang Jin, the Senior Coordinating Cataloger and also now the Team Leader for Authority Control for CAM, examined multiple ways to perform authority maintenance for the Library's online catalog. It is complicated work and, in many ways, discouraging and daunting to undertake. The Authority Control Team is still investigating the manual and automated means to update headings in the catalog. Much time and effort was put into examining a sample of 1 million records to determine processes for extracting, enriching, loading, and replacing bibliographic records to update headings in the catalog to make current and accurate. This work will benefit the Library's users in incredible ways and this work has become one of CAM's highest priorities.

Also, in June 2015, Qiang Jin and Jim Hahn completed their BIBFRAME project to convert nearly 300,000 e-book records from our online catalog from MARC records to the BIBFRAME structure. This work can be seen at <http://sif.library.illinois.edu/bibframe/>

In May 2015, Xiaoping Xi and Qiang Jin also finished cataloging 21 boxes of rare Chinese language books published before 1911. Knowledge of Classical Chinese language was required to work on many of these titles. Adding these rare titles to the Library's collection and OCLC WorldCat was an important achievement and should benefit researchers around the world for discovery of these titles.

### **Serials Cataloging, Government Documents Cataloging, and Music & Performing Arts Cataloging**

In FY2014/2015, the CAM Teams of Serials Cataloging, Government Documents Cataloging, and Music & Performing Arts Cataloging had another productive year. The Teams produced the following cataloging totals for the year:

The Serials Cataloging Team cataloged and updated 9,351 serials titles and added 22,050 volumes. The Library added a total of 28,075 new serial items with many added to Oak Street and Main Stacks. There were several projects to clean up serial holding records for short MARCette records, adding summary statements to existing records, adding holdings information to OCLC WorldCom, and enhance holdings data to follow MARC 21 standards for the future migration to new ILS system.

The Government Documents Cataloging Team cataloged a total of 5,485 titles and added 5,880 new items to the various Government Documents collections. Of these print format totals, 3,835 items were U.S. Federal Documents, 1,910 were United Nations Documents, and 135 were Illinois State Documents.

For electronic formats, the Library added 7,591 Federal Documents through the Marcive service. There were also 585 Canadian Documents electronic format bibliographic records added to the online catalog for FY2014/2015. This marked the first year where the Library received most of the Canadian Government Documents through electronic means as the shipment of print materials to non-Depository libraries was suspended in later 2013. We successfully created automated processes to continue adding many of the same print titles in electronic formats.



We also hired several academic hourly employees to continue cataloging the backlog of Government Documents materials located in the Stack Mezzanine and 200 North locations of the Library. The hourly employees and Government Documents Team members significantly reduced the backlogs of materials by catalog and integrating a total of 1,638 items. CAM should be able to eliminate the remaining Gov Docs backlogs of U.S. Federal Government and United Nations items in FY2015/2016.

The Music & Performing Arts Cataloging Team had another successful cataloging year as well in FY2014/2015. There were a total of 3,328 new titles and 4,952 items added to the catalog over the past year. These totals included 1,368 monographs, 285 serials, 1,382 scores, 1,691 sound recordings, and 173 videos.

In the past six months, the MPAL Cataloging Team was able to substantially reduce the backlog of sound records that had accumulated over the past 3-4 years. Diana Eynon cataloged hundreds of CD titles to get us current on Working with new acquisitions. A small project to catalog a backlog of Music Library dissertations and theses was completed. And, a larger project to add bibliographic records for the Naxos Music Library collection of 78,183 titles was started in April 2015 and is near completion as well

FY2104/2015 was a good year for all three CAM cataloging teams and with the new reorganization of the unit for FY2015/2016, there should be a new emphasis on eliminating remaining backlogs, continuing to enhance existing bibliographic and holding records to follow national standards and rules for future migration of data, and resume processes to bring in current and accurate records to replace dated and incorrect information, particularly for the Library's serial collections.

#### **Other work in CAM for FY2014/2015**

There were much work going on in CAM over the past year. It would be difficult to showcase all in this report. But, here are some bullet points of some other important work occurring in FY2014/2015:

- CAM was included in the Rare Book & Manuscript Library CLIR Grant for the Cavagna Collection. The CAM unit is providing hourly work to help enhance previously cataloged Cavagna titles, RDA and Authority Control training for cataloging of new titles in the collection, adding Aeon links to the existing holding records, and contributing information for identification of Cavagna titles distributed throughout Main Stacks and other Library locations.
- In May 2015, CAM worked with several librarians at the University College Dublin in Ireland. They are in the process of creating a Short Title Catalogue of titles published in Spain, Portugal, and the New World printed in Spanish or Portuguese from 1472-1700. The UIUC Library holds nearly 700 titles of these titles and our titles and holdings were added to their knowledge base. This work continued our exploration of trying to shift through the noise and duplication existing in WorldCat and our online cataloging by clustering and de-dupping of various manifestations and items of the same work. The database can be found at <http://iberian.ucd.ie>
- Many hours were put to the Library's implementation of our instance of WorldCat Discovery. This is the eventually system that will replace OCLC's FirstSearch WorldCat. The new WorldCat system has many web-scale discovery features and configurations, adding the capabilities to include hundreds of millions of article citations for any search. Much time and effort were contributed to testing the configuration of the new system, particularly in producing acceptable relevancy of searches. The new UIUC WorldCat instance was incorporated as target within Easy Search during the Spring 2015 and went live as specific search system in July 2015. Over the summer, Michael Norman helped lead several information sessions on the new WorldCat system.
- CAM provided much time and effort into determining the Elsevier, Springer and Wiley published serial titles and volumes that the Library could contribute to the CIC Shared Print Repository (SPR). The CIC SPR is a collocated shared print storage program dedicated to preserving legacy print collections of the universities in the CIC consortium. The serial volumes from UIUC Library would fill gaps or add titles not currently included in the repository at Indiana University remote storage facility. It had to be verified if the Library had perpetual rights to the electronic access to these serial titles before we could send to CIC Shared Print Repository. It was determined that the Library could send over 40,000 volumes to the SPR and work began in May 2015 by Collection Management Services to physically ship volumes at Indiana.

- CAM continued to work in collaboration with the Google Digitization Team to help facilitate the candidate's and pull lists of materials requested by Google to digitization in FY2014/2015. Much work went into examining the Library's collections of various government publications including the Illinois State documents, documents published by other U.S. State governments, United Nations publications, League of Nations publications, and Foreign Government publications.
- Michael Norman was named to the I-Share Next RFP Task Force in July 2014. He contributed hundreds of hours to the discussion and construction of the RFP document to select the next system to replace Voyager in 2017. The RFP document will be presented to the CARLI Board of Trustees in September 2015. Michael led the process of creating the RFP section on Describing, Cataloging, and Metadata creation and remediation. If approved by the Board, the RFP process will start later in FY2015/2016.
- CAM worked with CARLI to load over 700,000 bibliographic records from various collections of government publications including the U.S. Government Serial Set, U.S. Congressional Hearings, and British Parliamentary Papers collections. In addition, nearly 300,000 HathiTrust records of U.S. Federal Government publications were also loaded to the online catalog. The UIUC VuFind Catalog now holds over 2 million titles with access to over 5.3 million volumes in the public domain. This work will be concluded in FY2015.
- Michael Norman also contributed much time to determine duplication within the Library's collections. The Library holds nearly 800,000 duplicate titles and items through its overarching collections. The data compiled in FY2014/2015 will help supply the information needed to determine what options are available to the Library to deal with these impending situations of housing physical materials in the departmental libraries, Main Stacks, and Oak Street.
- Many reports were run against Voyager and our other search and discovery systems to provide bibliographic and circulation data for analysis of various Library collections including Art & Architecture Library, History Philosophy and Newspaper Library, International and Area Studies Library, Social Science, Health and Education Library, ACES Library, Chemistry Library, Grainger Engineering Library, Prairie Library, Main Stacks, and Oak Street.
- CAM continued to participate in the important discussions on search, discovery, and delivery to all the Library's collections. The continued evolution of Easy Search is one major area the Library continues to provide better access to resources. Adding the WorldCat Discovery instance is another positive endeavor to create opportunities for discovery much of what is out there for research. Working through the Discovery and Delivery Study Team (DDST) and CAPT, representatives from CAM have continued to make discovery and access a priority. We continue to work to make the Library's collection as easy to find as possible. Much more work needs to occur in these endeavors but respectable progress was made with the online catalog, Easy Search, and the Library gateway to make this as intuitive as possible for all Library users.

## 2. Review the major challenge faced by the unit during the FY2014/2015 period

Much of FY2014/2015 was spent with the reorganization of the CAM unit. Starting in January 2015, CAM Faculty and Academic Professionals started meeting regularly to determine a better way to manage the day-to-day cataloging and metadata work occurring within the unit. The CAM Team Leaders, including MJ Han, Ayla Stein, Janet Weber, Nicole Ream-Sotomayor, Willy Kries, and Qiang Jin (with much help from Tom Teper) stepped up and helped create the new CAM smaller teams structure. Each also agreed to take on the role of Team leader to manage the work of smaller groups. And, then CAM staff and hourly employees were reassigned to the most suitable team.

On July 1<sup>st</sup>, 2015, CAM went live with this new organizational structure, and, so far, positive changes have occurred and all the teams are working toward the goal of becoming as effective as we can be to catalog and create metadata for all that the 37 FTE in CAM encounters each day. Over the past years, there have been concerns voiced from the Library and from within CAM itself to improve the operation of the unit. To become more efficient and productive in dealing with all we face as a unit. Creating these smaller teams and pulling these very talented team leaders into a management role should address this important challenge we face. Hopefully this upcoming year will grant us the chance to improve the situation for CAM and the Library. We appreciate all the hard work in FY2014/2015 to get us to a much better position to get all the work done more efficiently and successfully.

### 3. Identify Significant changes to unit operations, personnel, service profile, or service programs

Previous sections have already detailed the reorganization of the CAM unit. So, no need to go into those significant changes to the unit. There has been a period of transition for CAM personnel to adjust to new team leaders and team leaders getting experience managing the new team structure. New workflows are being introduced with new sessions of training and updating of cataloging and metadata documentation.

MJ Han and Ayla Stein did step up to help management the IDEALS repository after Sarah Shreeves left in December 2014. Michael Norman did help the Collection Management Services (CMS) unit over the past year when Mary Laskowski, head of the unit, was out on sabbatical for 2015. Jenny Maddox Abbott and Andy Cougill did great work in managing CMS over this period.

There were no new personnel added to CAM in FY2014/2015. And, the unit did not lose any individuals this past year either. We did start two new searches in the last few months of the fiscal year, including E-Serials Bibliographic Control Specialist and Metadata Services Specialist positions to start work in this coming year.

### 4. Articulate (with appropriate examples) the ways in which the unit and/or its members contributed to Library-wide programs, including information services, instructional services, scholarly communications, assessment, collection management, digital content creation, staff training, and development, diversity efforts, and public engagement

The narrative sections above highlight many of the Library-wide programs that CAM has played a leading role and participated in over FY2014/2015. We always consider it essential to offer Library-wide sessions to aid all employees in the University of Illinois Library to better understand the cataloging and access of the Library's collection. We want to make available the best possible metadata to make it as easy as possible for users and Library staff to discovery and locate the entire Library's collection, in whatever format it is best available to use. We always strive to follow national standards and rules when cataloging any materials or resource to add to our search and discovery systems. The vital component to that is consistently have information sessions to the Library to discuss any new developments or to inform any new individuals about how items are best discovered and located in this large library.

We held information sessions on the various online catalogs the Library has, including VuFind, Classic Voyager, and WorldCat Discovery Catalog, comparing the strengths of each system and when it is better to utilize one over the others (for example, call number searches cannot occur in VuFind). As we have moved to promoting VuFind and Easy Search over other options, CAM has participate in additional information sessions and search and discovery of Library collections.

Nicole Ream-Sotomayor participated in the annual GA training and she presented a much valued session. We hope to present additional sessions in the coming fiscal year.

### 5. Review progress made on Unit Annual Goals for FY2014/2015

- With the Primo termination, find different solution to making our local collections more discoverable within the Library's existing systems

We did make some progress in getting our locally created digital collections into the online catalog, including better representation of the University of Illinois Theses and Dissertation titles. We still have additional work to get all local digital items into the paths of our Search and Discovery systems, including resources available in IDEALS, ContentDM, Archon, locally digitized newspapers, BibLeaves, ArtStor Shared Shelf, Research Data Bank, etc. There is ongoing work with Medusa and the locally created Kumquat service to make local collections more accessible to users and CAM hopes to contribute to the metadata needs to make this viable going forward.

- Invest time and energy into enhancing the University Graph, interlinking with metadata all the University's assets into ease of discovery. Ayla Stein and Qiang Jin are already investigating the possibilities for this work, looking to collaborate with Heidi Imker and Sarah Shreeves to determine best way to provide metadata for this important work.

We did have several meetings with Beth Sandore and Rebecca Bryant about assisting with the metadata needs for discovering and harvesting information about the University of Illinois publications of faculty, staff, and students. Ayla and Qiang did put in additional time to determine if there were ways to obtain needed data about University of Illinois faculty and then associate books, articles, conference proceedings with a particular individual. We have investigated ways to find and associate identifiers with specific individuals. We will continue to work with Beth and Rebecca to see how we can aid the ongoing work to create this University of Illinois Knowledge Graph.

- Major effort to clean up our data for future migration to new system. Possibly pursue hiring visiting individual to lead this effort.

We did make some progress in cleaning up bibliographic data for future migration to new ILS system. Serial holdings data has been converted to follow national MARC 21 standards. We need to have a major initiative in place over the next 2-3 years to get as much of our bibliographic, circulation, acquisitions, and knowledge base data into conditions that can be imported into whatever system the CARLI consortia and the Library select after Voyager contract ends in 2017.

- Continue to help lead efforts with national and international initiatives to utilize schema.org and BIBFRAME to make our holdings and collections more accessible on the web. Encourage our peers, to contribute metadata as open data, starting with CIC libraries, to see how we can continue to better collaborate on digitization, shared print repositories, and collection management projects.

CAM continued to work in investigate possibilities with utilizing schema.org, BIBFRAME, and Linked Open Data. Some of that investigation concentrated on pulling the Library's holding information into the metadata structure of schema.org. MJ Han and Willy Kries took part in training sessions to learn more about using BIBFRAME. We still do not feel it is in a place to introduce into our local workflows to create metadata for titles cataloged. We still have no systems in place that can be easily used to take advantage of the new structures. We will continue working with schema.org and BIBFRAME to determine better ways to incorporate these in making our Library collections more accessible on the web.

- Continue to streamline and make more efficient our production-oriented work. We should continue to automate where we can so that our more experienced staff can concentrate more on the Library's unique holdings and items. MJ's work on creating a MARC Maker system will be a good step in getting access to these titles out for users to find.

MJ Han and the Metadata Maker Team (MJ Han, Patricia Lampron, Nicole Ream-Sotomayor, Janet Weber, Deren Kudeki, and Janina Sarol) had great success with creating the Metadata Maker tool that can now be pulled into streamlining the metadata creation process. We first started utilizing the tool to create records for foreign language backlog materials. We made some good progress with that work. MJ is expanding the scope of using the tool to create records for Government Documents, Datasets, technical reports, and other collections needing basic records to allow many of these unique titles to be discovered by Library users. We have started incorporating the Metadata Maker tool into some of our regular workflows and that can be consider success in getting some of these difficult materials to catalog into our local systems and also into OCLC WorldCat.

- Create wiki process that would allow crowd sourcing to find errors and make suggestions to enhancing metadata of resources. We will start with HathiTrust Government Documents records, maybe also all CIC Government Documents holdings and build from there.

We did not make any progress on creating these wiki processes to utilize crowdsourcing to create or update metadata records of uncataloged or under-represented materials in the Library's collections. We will continue to investigate any possibilities to use the public's help to create or enhance our metadata records. One development that did occur in 2015 was personnel at HathiTrust created the U.S. Government Documents Registry which is intended to include item-level metadata for the comprehensive corpus of U.S. federal documents produced from 1789 to the present.

#### 6. Articulate Unit Annual Goals for FY 2014/2015

- Continue the progress made in the reorganization of the CAM unit and produce more effective and efficient workflows to be as productive as possible in the areas of cataloging and metadata creation for the Library.
- Work with each CAM Team Leaders to optimize the working conditions to create success for all functional and production areas for cataloging, metadata creation, and maintenance of data.
- Collaborate more closely with Acquisitions, Collection Management Services, Preservation, Rare Book & Manuscript Library, Map Library, and other units to keep cataloging best practices and procedures up-to-date and work to ensure basic competencies are in place for all cataloging and metadata work occurring in the Library.
- Get the Library's e-serials collections in as good of shape as Willy Kries has produced for e-books, databases, and streaming media collections
- Continue to work with Heidi Imker and the Research Data Services Team and Bill Ingram, Repository Manager, to determine the Library's best options for creating repository-level metadata for numerous resources.
- Continue to collaborate with Research Data Services on metadata requirements of the Research Data Bank.
- Pull Metadata Maker into more of CAM's workflows to eliminate backlogs of materials needing cataloging.
- Produce a more effective method to communicate to the Library about cataloging and metadata creation topics and issues
- Investigate and put plan in place to transform all the Library's data, including bibliographic, acquisitions, circulation, knowledge base, and administrative, to migrate information into the Next Generation Shared Library Management system selected in the I-Share Next RFP process over the next year.
- Most important, make it easier for the Library's user to discover all we have access and get more of the Library's local collections into the search and discovery pathways of our users.

#### 7. The Number of GAs (FTE and Head Count) employed during FY2014/2015

CAM had three graduate assistants for FY2013. Each had an appointment of .33 percent and worked from August 16, 2014 to May 15, 2015.

- 1) Andrea Black (.33 percent appointment, state funds)
- 2) Scott Witmer (.33 percent appointment, state funds)
- 3) Kate Butterworth (.33 percent appointment, state funds)

#### 8. The funding source for the unit's GAs (e.g. state funds, grant funds, endowment funds)

All three graduate assistants were funded using state funds.

#### 9. The major responsibilities assigned to the GAs in the unit, and an overview of the contributions made (or projects completed) by GAs during the fiscal year.

- 1) Andrea Black – Andrea's main duties in CAM was to provide copy and original cataloging of new materials added to the Library's collections. She learned to use all the standard tools and systems we utilize in our day-to-day work for cataloging. She has gained expertise in AACR2, RDA, using OCLC Connexion, Voyager cataloging and acquisitions client, assigning call numbers, subject headings and working with authority records. This experience is needed to become a cataloger at most academic and research libraries. Thankfully, Andrea also put needed

time and effort to catalog collections of graphic novels (some of the most difficult materials to catalog), children's literature and helping Janet Weber eliminate some backlog of materials. In the past, Andrea has also helped MJ Han and Metadata Services create metadata for collections in ContentDM.

- 2) Scott Witmer – Scott's main duties in CAM was to provide copy and original cataloging of new materials added to the Library's collections, particularly various collections of graphic novels. He gained some valuable experience with working with these difficult items to catalog. He was able to use all the standard tools and systems we utilize in our day-to-day work for cataloging. She has gained expertise in AACR2, RDA, using OCLC Connexion, Voyager cataloging and acquisitions client, assigning call numbers, subject headings and working with authority records. This experience is needed to become a cataloger at most academic and research libraries. Scott aided CAM specifically with helping create and update documentation to work with the graphic novels. His knowledge and experience working with these materials was very helpful in determining our best practices for the future cataloging of these titles.
- 3) Kate Butterworth – Kate did exceptional work for us in cataloging Russian and Slavic language materials. She cataloged over a thousand items in these languages and helped reduce the number of Russian language items in the backlogs. Kate was able to use all the standard tools and systems we utilize in our day-to-day work for cataloging. She has gained expertise in AACR2, RDA, using OCLC Connexion, Voyager cataloging and acquisitions client, assigning call numbers, subject headings and working with authority records. This experience is needed to become a cataloger at most academic and research libraries. She had to create original records in OCLC Wordcat for several hundred titles, making these available to other libraries. Over the summer, Kate also helped catalog a Slavic language backlog of materials.

1. Facilities.

1a. User seating counts: N/A

1b. Number of hours open to the public per week (if applicable): N/A

2. Personnel

2a. List by name, all faculty, academic professional, civil services staff, and Graduate Assistants assigned to the unit in FY2014/2015.

Name	Appointment	FTE	Duration
Norman, Michael	Faculty	1	Full year
Han, Myung-Ja	Faculty	1	Full year
Jin, Qiang	Faculty	1	Full year
Joseph, Lura	Faculty	1	Full year
Stein, Ayla	Faculty	1	Started May 2014
Weber, Janet	AP	1	Full year
Kries, William	AP	1	Full year
Ream-Sotomayor, Nicole	AP	1	Full year
Adamczyk, Jan	Staff - SLS	0.5	Full year
Bendel, Andrew	Staff - SLS	1	Full year
Biggers, Vanessa	Staff - SLS	1	Full year
Eynon, Diana	Staff - SLS	1	Full year
Fentress, Roxanne	Staff - SLS	1	Full year
Hess, Bennett	Staff - SLS	1	Full year
Hess, Robin	Staff - SLS	1	Full year
Howerton, Robert	Staff - SLS	1	Full year
LeSure, Bridgette	Staff - SLS	1	Full year
Machula, Lincoln	Staff - LS	1	Full year
McLaughlin, Kevin	Staff - SLS	1	Full year
Menkhaus, Jane	Staff - SLS	1	Full year
Nguyen, Catherine	Staff - Clerk	1	Full year
Oono, Yuriko	Staff - SLS	0.8	Full year
Qi, Xiaoping	Staff - SLS	1	Full year
Towns, Elonda	Staff - LS	1	Full year
Vineyard, Ida	Staff - SLS	1	Full year
Watkins, Julie	Staff - SLS	1	Full year
Witmer, Scott	Graduate Assistant	0.33	Aug. 2014 – May 2015
Butterworth, Kate	Graduate Assistant	0.33	Aug. 2014 – May 2015
Black, Andrea	Graduate Assistant	0.33	Aug. 2014 – May 2015
Maher, Paul	Academic Hourly	0.10	Full year
Nowak, Maria	Academic Hourly	1	Full year
Lampron, Patricia	Academic Hourly	0.70	Full year
Total:		29 FTE	

2b. Specify the amount of units FY2014/2015 Student Assistant wages budget and Student Assistant FTE.

1. CMS/CAM Wage Fund: \$174,276

Student Hourly Wages: \$41,936

Academic/Grad Hourly Wages: \$140,280

Staff Wages - Extra Help: \$5,880

Federal Work Study Wages: \$10,781

2. CMS/CAM Fee Fund 795015: \$146,044

Student Hourly Wages: \$50,972

Academic/Grad Hourly Wages: \$70,055

Staff Wages - Extra Help: \$4,945

Federal Work Study Wages: \$3,592



Appendix A.

FY2014/2015 Total Titles and Items Added by Voyager Location

<b>Voyager Library New Titles and Items Totals FY2015</b>		
<b>Voyager Libral</b>	<b>Total New Titles A</b>	<b>Total New Items Added</b>
ACES	3,205	3,922
Arch/Art	3,326	3,690
Archives	1,249	1,426
Chemistry	302	326
Classics	854	869
Commun	1,022	1,166
Ctr Chl Bks	1,203	1,248
Engr	3,602	3,635
Gdocs	145	381
Geol Srvy	2	11
History	1,547	2,516
IAS	1,559	2,114
ILHistLinc	201	271
Law	7,217	10,568
Lit Lang	1,283	1,409
Map/Geo	1,727	2,168
Math	1,111	1,711
Music	3,328	4,952
Net Gdocs	159	159
Net Marcive	7,591	7,591
NetResource	92,025	92,025
Oak Street	29,680	30,975
Prairie Lib	925	1,602
Rare Bk	8,663	8,849
Ref [noncirc]	51	192
RHL Allen	344	344
RHL Busey	384	384
RHL FAR	408	408
RHL Ikenberry	937	958
RHL III St	370	370
RHL LAR	327	327
RHL PAR	366	366
RHL Res Ctr	76	76
Scholarly Com	50	50
SSHEL	8,581	9,625
Stacks	46,752	47,878
Stacks GDocs	5,340	5,502
Stacks Ref	21	44
Undgrad	10,008	10,548
Uni High	977	1,004
Vet Med	597	921
Water Srvy	45	142

Appendix B.

FY2014/2015 Total Titles Added by Language

Language Name	2013 Total Titles added	2014 Total Titles added	Total titles in Voyager 2015
English	132,861	161,394	5,222,194
German	6,835	5,174	361,102
Spanish	5,393	7,370	346,306
Undetermined	480	171	319,921
French	6,481	6,839	283,944
Russian	4,300	4,344	256,178
No linguistic content	4,127	2,564	202,548
No language information	154	51	139,497
Italian	7,802	5,478	131,419
Chinese	3,380	1,510	113,440
Portuguese	698	3,663	66,772
Latin	988	866	54,204
Arabic	1,888	1,202	47,985
Japanese	1,380	1,310	41,572
Ukrainian	439	688	33,874
Hindi	654	661	33,437
Polish	680	825	32,617
Czech	620	663	18,802
Urdu	131	41	14,490
Hungarian	320	449	14,316
Croatian	0	0	12,500
Korean	337	1,150	13,446
Bengali	65	191	12,073
Dutch	212	143	11,662
Tamil	14	42	10,656
Romanian	274	241	10,955
Catalan	126	264	9,707
Swedish	125	173	9,225
Bulgarian	245	153	8,482
Danish	172	33	8,229
Serbian	0	0	6,776
Hebrew	233	166	6,675
Other languages	1,339	3,158	115,811

Appendix C.

FY2014/2015 Total Titles and Items Added by Format (including by electronic format)

	FY2014/2015	
Format	Titles Added	Overall Total Titles by Format
Archival	212	6,439
Monographs	181,607	7,439,857
Serials	7,247	356,213
Scores	1,879	133,808
Cartographic Materials	1,091	83,692
Video	16,581	77,321
Nonmusical Sound Recording	142	5,443
Sound Recording	1,317	104,350
Graphic	89	1,039
Computer File	230	13,567
Kit	86	2,301
Mixed Materials	29	4,196
3-D Artifact	58	485
Manuscript	410	81,905
<b>Total:</b>	<b>210,978</b>	<b>8,310,616</b>
Electronic Formats (counts included in totals above)	Titles Added	Overall Total Titles by Format
Monographs	79,356	1,074,100
Serials	4,093	45,614
Cartographic Materials	146	5,335
Video	14,375	24,059
Musical Recording	230	23,879
Manuscript	189	18,329
<b>Total:</b>	<b>98,389</b>	<b>1,204,826</b>

Appendix D.

FY2104/2015 Total Circulation Totals:

PATRON_GROUP_NAME	PATRON_GROUP_DISPLAY	2014/2015	2013/2014	2012/2013	2011/2012	2010/2011
UNDERGRAD	Undergraduate	131,705	145,536	172,942	204,096	195,271
GRAD STDNT	Graduate Student	93,726	97,927	116,217	136,620	157,735
INTERLIB	Interlibrary	56,266	52,654	54,926	60,613	58,305
UBReg	UBReg	31,103	32,205	37,091	39,155	18,409
FACULTY	Faculty	24,470	26,127	31,619	33,142	41,229
UBLong	UBLong	15,354	14,414	15,178	14,751	34,225
AC EMPLY	Academic Employee	14,036	13,621	15,972	19,728	19,483
LIBSTAFF	Library Staff	9,948	10,413	11,209	9,899	10,103
LIBRARYUSE	Library Use	11,092	7,702	7,220	5,963	6,147
LOCAL LOPRV	Local Low Privilege	3,739	3,516	4,621	5,248	6,132
EMERITUSFC	Emeritus Faculty	3,819	3,433	4,024	3,976	4,115
SUPT STAFF	Support Staff	3,129	3,239	3,106	2,864	2,795
LOCAL HIPRV	Local High Privilege	3,479	2,909	2,941	2,876	2,775
HIGHSCHOOL	High School	2,032	2,096	2,293	2,778	3,172
UBIN	UBIN	1,266	1,418	1,508	1,556	1,522
RETIRED STF	Retired Staff	1,049	872	1,104	964	665
EXTRAMURALGR	Extramural Graduate	409	814	456	969	1,222
INTL ILL	International ILL	400	454	417	440	411
LOCAL BUO	Local Building Use Only	56	94	120	52	51
EXTRAMURALUG	Extramural Undergraduate	13	4	6	1	1
GRAD ASST	Graduate Assistant		1			7
PERMIT HI	Permit High Privilege				11	51
PROBLEMPAT	Problem Patron					
ALUM	Alumni			17	544	648
PERMIT LO	Permit Low Privilege					69
AFFLORGAC	Affiliated Organization, Academic					
AFFLORGSTF	Affiliated Organization, Staff					
GS	GS					
AFFLORGOTH	Affiliated Organization, Other					
ILLINETLIB	Illinet Library					
LIBSYSTEMS	Library Systems					
UBNonCirc	UBNonCirc					
	<b>Grand Totals:</b>	<b>407,139</b>	<b>419,451</b>	<b>484,967</b>	<b>548,248</b>	<b>564,543</b>