

Technical and Automated Services

Annual Report

July 1, 2010 – June 30, 2011

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Summary

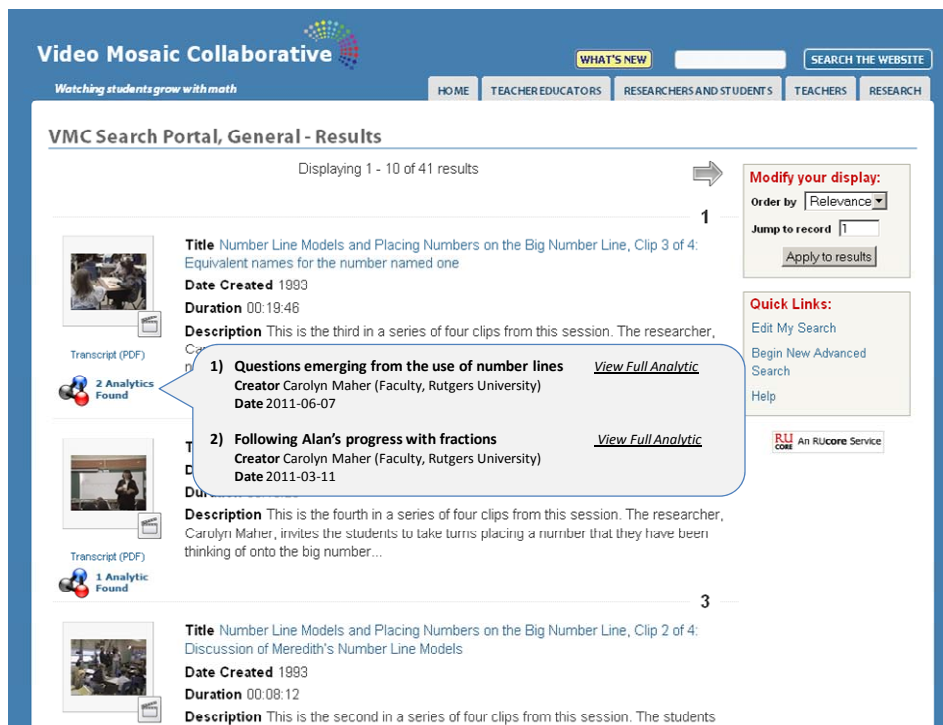
TAS had another strong year with respect to meeting its annual action items and supporting the strategic plan of the Rutgers University Libraries. This year is characterized by significant accomplishments in **innovation**, as TAS and the Rutgers University Libraries continue to break new ground and provide leadership to our peers in digital library infrastructure, **consolidation**, as we improved efficiencies, solidified our infrastructure and made significant organizational changes to position TAS to support the 21st century academic environment and **collaboration**, as TAS continued to move its organizational structure to one of substantive collaboration across functional and organizational boundaries.

TAS had a stellar year in terms of **innovation** in many areas that are outlined in the body of this report, but particularly with respect to RUcore, where four major new services were designed and either implemented or tested in FY11. Most significant was the rollout of RUresearch, a portal and suite of services to support the management of research data. RUresearch implements a successful strategy for addressing one of the grand challenges Christine Borgman, the keynote speaker at the spring 2011 CNI members meeting, identified for research data—the capturing and sharing of the context behind the research--the lifecycle of the research, and the many supporting resources (lab notes, code books, instrumentation records, etc.) that are important for documenting and explaining the primary research data. On the second day, the AUL for Digital Library Systems presented RUresearch as one strategy for documenting context, lifecycle, and ancillary documentation. In the question period after the presentation, the first question was really a statement, “Thank you, Rutgers, for doing this so the rest of us don’t have figure this out.”

The RUcore exhibitions portal, a collaboration with SC/UA to create a digital methodology for documenting and sharing exhibits, is more than an attractive and useful web display and is in fact a very innovative event-based presentations tool that assembles resources based on use events, so that the exhibit event in a resource’s metadata record not only creates the digital exhibit but also documents the resource’s reuse and provides caption level description and context to enrich the descriptive metadata for the digital resource.

The WAAND directory architecture, which documents the collections on a given subject held by archives, was repurposed and designed as a more open and mature platform for the Newark Directory, in collaboration with the Dana Library and the leadership of the Newark Directory Project. The directory application is still undergoing revision but entries are being rapidly captured by the Project staff for archives with collections that document Newark history and culture. RUDirectory will become a powerful open source tool that will be very useful for locating everything that has been collected on a topic.

Finally, the RUanalytic tool, which enables the clipping and annotation of one or more videos into an event based evaluation object, has moved from alpha testing to beta testing by mathematics education graduate students who are creating analytics for ingest as resources linked to, and discoverable with, the videos they analyze. These analytics will be ingested into RUCore and viewable on the Video Mosaic Collaborative website in fall 2011, after which RUanalytic will be available for further use for other videos and video collections within RUCore:



The RUanalytic will provide significant added value for resources by adding critical evaluative information, such as guidance on using VMC videos in the classroom. The RUanalytic is the first and only annotation tool that creates a digital resource that lives outside the tool and that can be

discovered along with the resource(s) it annotates. This has the potential to add significant value to resources, since evaluative information and keyword terms that are indexed for resource discovery are both provided by the analytic resource. In the case of the VMC, it will enable busy teachers to find resources that demonstrate forms of reasoning, effective teaching practices to elicit reasoning in students, and effective methodologies for presenting topics to students, among other useful categories of analytic. With the RUanalytic and other RUCore applications created in FY2011, the Rutgers University Libraries continue to not only break new ground but actually to *reinvent* metadata so that it provides not only description, but context and use, thus increasing the potential for long term impact for the resources in RUCore and beyond.

In the area of **consolidation**, much work was done in strengthening the physical footprint and configuration of RUL's cyberinfrastructure. IIS (Integrated Information Systems) and the SCC (Scholarly Communication Center) developed and released an RFP for the purchase of a state of the art digital storage system. The Isilon mass storage system, with 43 TB of usable storage, a system in use for digital library initiatives in peer institutions such as the University of Michigan and NYU, was selected. Three high performance HP servers and a new LTO-5 tape backup system were also purchased to complete the redesign of the Libraries' digital storage capabilities. The system, which is currently in test install, will support the growing digital video and data collections in RUCore and replace an aging and depleted storage system that failed twice for significant time periods over the last two years.

IIS also performed a comprehensive review of its services, projects, and internal processes as well as all software and hardware it supports. The review has resulted in a long-term plan to secure reliable operations and has laid the groundwork for the renewal of an aging infrastructure that includes increased collaboration with OIT and other relevant Rutgers departments.

IIS has also worked with, and actively supported, other departments in the implementation of new or upgraded applications, including the new EZ Borrow Relais software and Illiad software for interlibrary loan, the patron self-checkout system and the ability to pay with RU Express for printing and copies. DTS, with the active assistance of IIS, was able to migrate most of the serials management tools from Serials Solution to EBSCO, including the replacing of 75,000+ MARC records in Serials Solutions with 85,000+ EBSCO MARC records. A significant achievement for both DTS and IIS was the migration of the Searchlight Federated search from Serials Solution to EBSCO.

Finally, the SCC completed the migration of the New Jersey Environmental Digital Library (NJEDL) from a proprietary, standalone format to a Drupal website and dynamic RUCore portal. The NJEDL website is reflective of new RUCore portals, which are developed as streamlined but attractive Drupal sites that can be maintained by the relevant departmental owner and easily and dynamically updated with an RUCore search interface customized to the needs of the collection or research domain.



Search Help

_____ in **Full Record** All Counties

AND _____ in **Full Record** All Subjects

Search Results per page: 50

RUTGERS UNIVERSITY
An RUCORE Service

SPOTLIGHT

Welcome to the new NJEDL website!

Whether you are a long time user or a brand new visitor, we welcome you to the new and improved NJEDL.


While the appearance of the site is the first difference you notice, there is a lot more than just shiny new graphics here. NJEDL's collections are now stored in Rutgers Institutional Repository software, RUCORE. RUCORE uses Fedora repository architecture, which allows us to store, manage, and deliver a broad range of types of digital information. The new platform provides the same high-level of access to a broad corpus of environmental information (the original collection plus hundreds of new items) as the original site.

So, why the change?

[Read more...](#)

Riparian & Stream Survey

The Riparian & Stream Survey is a collection of historic maps created in the late 1930's and early 1940's. These maps provide a level of detail of New Jersey coastlines that is rarely seen in other historic maps. The survey, completed by the Works Progress Administration (formally the Emergency Relief Administration), was a means to stimulate work for draftsmen and surveyors. The Bureau of Tideland Management provided these maps to NJEDL's collection for their historical significance and to provide public access.



NEWS & UPDATES

- » **Final Report Completed on Nutrient and Ecological Histories in Barnegat Bay**
Is nutrient-eutrophication having an impact on Barnegat Bay New Jersey?
[Read more...](#)
- » **Green Acres Photography Content**
How many pictures would it take to capture the amazing diversity and beauty of open space and parks protected in New Jersey?
[Read more...](#)
- » **Oyster Creek Safety Advisory Panel Established**
Panel created to oversee the safe operation of the nuclear power plant leading up to its closure by the end of 2019.
[Read more...](#)

NJEDL Drupal portal website

A major development for TAS was the continuing and intensifying refocus of workflow from within the department to cross-departmental work teams, representing the move to a culture of ongoing **collaboration** rather than support. A Web Board, co-chaired by the Director of IIS and the Interim Deputy Director of Research and Institutional Services/Head of Access Services, was established in November 2010, reporting primarily to USC and representing major stakeholders among faculty and staff, working bodies, libraries and campuses at RUL. The Web Board held ten meetings in six months and established a thorough process for the web redesign project while also overseeing focused projects for the current platform, coordinating new initiatives, such as mobile web applications, and establishing an ongoing methodology for web governance. About one third of the identified web redesign work was completed, including a design document to provide a blueprint and ongoing guidance for web redesign and the establishment of teams focused on major strategic areas of need, including information architecture and search functionality. Roger Black Design Studio in NYC, a noted web design firm, provided significant pro bono assistance to the Web Board.

Another significant collaboration is represented by RUresearch, the RUCORE research portal and service suite. In 2010, Ryan Womack became the RUCORE Research Data Manager. In this capacity, he is leading a team providing technical and liaison expertise for a critical emerging service, research data management. The RUresearch team is offering support in developing data

management plans to meet the NSF requirement, as an initial service to faculty. Three data management plans have been edited and revised and one plan has been written for a proposed NSF grant in which the libraries would be a significant partner.

The E-Books Team, a cross-departmental team with leadership from the Heads of CTS (Central Technical Services) and DTS (Distributed Technical Services) has developed and implemented procedures for patron driven acquisitions and other e-book offerings. Modeled after the very successful serials team, it addresses issues for the end to end acquisition and access to E-Books. In FY11, workflows for editing and importing large batches of bibliographic records for patron-driven, firm-ordered, and approval plan ordered e-books were developed and a series of vendor visits were arranged to inform selectors of the different packages and content available for purchase.

A final important cross-departmental initiative to mention is the Media Team, chaired by the Media Catalog and Metadata Librarian, which is tasked with providing a complete workflow for media, from analog to streaming, including overseeing a streaming media technical infrastructure. The team is currently spearheading the introduction of NJVid at Rutgers and developing an end to end workflow for ordering, cataloging and providing access to streaming media.

Organizational structures were also intensively examined and modified to create a more agile work environment that is responsive to the transformative changes in the nature of information, to the emerging, increasingly digital information needs of the Libraries' users, and to the need to compensate for ongoing staffing and resource retrenchments. DTS has historically operated in a team environment and has served as a model for other TAS departments in that respect. In 2011, they added an element of "triage," where team leaders met regularly to examine and address the current workflow challenges facing the department, across the established teams. This added a critical holistic focus at the administrative layer to the more distributed, cross-departmental team environment that has emerged in DTS.

CTS began its substantive reorganization by establishing two units that provide end to end management for important collection areas—Asian Languages and Media and Music. All units also took on materials processing, which has become effective to perform at point of need rather than in a centralized "batch" mode due to shrinking analog resource receipts and also to software applications and routines that make this processing very efficient and virtually error free.

IIS and the SCC have worked to consolidate the Libraries' server footprint within IIS, reserving the SCC for offsite access as emergencies dictate. This technical consolidation is resulting in greater efficiencies and economies of scale but also better accountability and responsiveness when emergencies, such as power outages, occur.

TAS demonstrated accountability to the Libraries' strategic plan and annual goal setting through the accomplishment of many of the objectives on the FY11 action plan. Of 56 objectives, 23, or 41% of the objectives were completed and 39% has substantial progress with expected completion early in FY12, for a combined total of 80% that are either completed or on track for completion. Only 5 (or 8%) have a status of "in process" without significant accomplishment in FY11, a year with significant staff vacancies. Three objectives were cancelled because of changing priorities and six were postponed due to lack of staffing or other critical resources.

The accomplishments of TAS departments and staff are provided below, arranged by library strategic goals.

Expand the collections both electronic and in print to the level of our peer institutions

- The New Jersey Digital Highway added a significant number of participants and resources. Currently, there are over 11,500 resources from 29 organizations.
- DTS and CTS transitioned support for government documents to the electronic *Documents without Shelves* MARCIVE service, which involved developing load procedures and creating brief records for tangible materials which no longer receive MARCIVE shipping list records. These in-house records which are created when the resource is received but before the full MARC record arrives, have fewer errors and are easier to replace with the full records since they are based on the resource itself. This is a much more streamlined and less expensive process for providing access to digital government documents.
- The Media and Music Cataloging and Metadata Librarian worked with the IIS Application Developer for batch loading to develop a mapping profile and multistage mapping process for the IJS Access database of sound recordings. 35,000 records (approximately 35%) have been converted and loaded into the Libraries' catalog. This process is ongoing with substantive additions to the Libraries' catalog every month.
- The Special Collections and E-Books Cataloging Unit of CTS added links for 300 titles of rare books in the Libraries' Special Collections that are available in full-text form in the *HathiTrust Digital Library*.
- Batch loading of records for large collections in digital or microform formats continues to be an important program for Central Technical Services (CTS). The Batch Loads and Gifts Cataloging Section completed 32 batch loads of electronic resources into the library catalog for a total of 182,842 records. The breakdown of batch record loads is provided as **Appendix A**.
- The Batch Loads and Gifts Cataloging Section received two significant gift collections, the *Alicia S. Ostriker Collection of American Poetry* (369 volumes) and the *Donna M. Davis Collection of Lesbian Literature* (439 volumes). The *Ostriker Collection* has been

processed and was showcased during the April 26, 2011 RUL program “Celebrating Creativity.” About 50 percent of the *Davis Collection* has been cataloged.

- Beginning in September 2010, a process was started in DTS where selected STATE NJ titles at LSM were sent for cataloging and subsequently moved to DOCNJ. This year 34 titles were sent to be cataloged.
- 19, 842 orders were placed (6,449, approval orders, 11,505 firm orders and 1,888 recurring orders) and 291, 736 items were cataloged.

Adopt or develop tools that provide easy, seamless, reliable, and convenient access to both online and traditional scholarly resources, wherever they are located, such as cross-database searching, link resolvers, and citation software.

- The digital exhibits application was developed and the first digital exhibit, “John Milton and the Cultures of Print: An Online Exhibit of Books, Manuscripts, and Other Artifacts,” using the resources of RUcore, was created. Forty objects with full caption and section descriptions were included in the digital exhibition, based on the physical exhibition at the Special Collections and University Archives Gallery, February-May 2011.
- At a significant cost savings, a new suite of electronic resource management tools were implemented in a move from Serials Solutions to EBSCO. This complex electronic resource management suite included the Knowledgebase, E-host provider, E-Journals host platform, Link Resolver, MARC records, Federated Search, and a beta test Usage Consolidation tool. This was a significant undertaking with a very short deadline. Members of DTS worked with the Digital Interface Committee and with IIS to execute this very complex transition. Throughout the transition, feedback was offered to the provider for improvement in execution. Staff evaluated and worked with Ebsco Customer Support to identify and resolve technical and workflow issues. This process was significant in improving staff problem solving skills for electronic resource issues. All components of the new tools are operating and Usage Consolidation (a COUNTER compliant statistical service) is now in beta testing.
- The RUanalytic tool, which provides clips and annotation of video files and creates analytic objects discoverable with the resource(s) being analyzed, is currently in beta test with the Graduate School of Education Mathematics Education program. Graduate students are creating analytics that identify forms of reasoning exhibited by students, teaching strategies to elicit student reasoning and sense making and teaching strategies for common mathematical concepts. These analytics will be promoted to practicing teachers to encourage use of the VMC collection in the classroom. The AUL for Digital

Library Systems has been invited to write a chapter for a book on promoting reuse of repository resources on this project.

- The OpenWMS: Workflow Management System for Digital Objects was released in beta in February 2011. Major features include METS support, an event-based data model, customization capabilities, particularly for adding controlled vocabularies, digital file handling, XML and TXT format import, and METS and TXT format export. 100 downloads of the application have occurred as of August, 2011.
- The WAAND directory application has been substantially written to a more robust open application that is now in beta test as of May 2011 with the Newark Directory, a directory of archives and libraries holding Newark collections.
- The Faculty Deposit service of RUcore was improved to allow NIH-funded authors to deposit their articles on the same form used for other faculty scholarship. They no longer need to use a separate form to have their articles included in PubMed Central, as mandated by the NIH Public Access Policy.
- A standard citation note is now provided for all faculty deposits based on publication information supplied during the article upload process. An APA citation note is now provided for videos in the Video Mosaic Collaborative, to support graduate students citing these videos in dissertations, in particular.
- Faculty can now view and download statistics for their deposited works in RUcore.
- Google Scholar indexing was improved so that now virtually all faculty articles as well as electronic dissertations and theses are being indexed. This was achieved through a combination of techniques: enhancements to the meta tags in the bibliographical displays of RUcore objects, the creation of a new “scholar” sitemap, and the creation of a citation link page that also serves as a Browse by Date page. The number of RUcore objects in the Google Scholar index has increased from fewer than 100 to 2,460 this year.
- Searching in RUcore has been improved, more capabilities for customization and controlled vocabulary creation have been implemented as well as increased customization for portal search and display. A new look for RUcore that differentiates between the three major collection areas—digital collections, scholarship, and research data, has been prototyped and will soon be implemented.
- A prototype SOLR/Lucene search facility has been prototyped and is in test. SOLR/Lucene provides native support for federated searching across disparate databases and is the search engine underlying all federated search engines as well as webscale discovery layers such as Summon.

- The Web Board made great strides in the multiyear effort to redesign the Libraries' website. Migration to Drupal continued, including the migration of the indexes and databases page. A design document that will serve as a migration blue print was designed with extensive assistance, much of it pro bono, from Roger Black Design Studio in New York City, a nationally prominent web design firm with extensive experience with scholarly publication websites.
- IIS has outfitted the TSB data center with network switches ten times the speed of the ones replaced.
- The TSB Data Center was re-engineered for improved robustness and stability, including a backup generator, adequate A/C and Uninterruptible Power Supplies to meet the goal to guarantee availability of services to RUL and the University. Other enhancements include a complete server monitoring system which alerts IIS staff to any downtime in servers and backup power and a backup air conditioning system, The existing AC systems have been added to maintenance contracts. A solution for a backup generator with sufficient power to last through the statistically expected outages is in process for FY12
- IIS worked with the User Services Council to implement LibGuides and integrate it into the Libraries' website.

Build a preservation program for the collections in all formats to ensure that critical and unique collections remain available in perpetuity

- IIS and SCC collaborated to select the Isilon mass storage system, with 43 TB of usable storage through a competitive bid process. The architecture also includes three high performance HP servers and a new LTO-5 tape backup system

Focus the creation of digital resources on the Libraries' unique collections and on the output of Rutgers University, with an emphasis on support for the faculty research process

- The TAS Administrator/Digital Projects coordinator and other TAS staff from CTS and the SCC completed the NJ Broadsides from 1850-1875. 426 unique objects (consisting of 762 images) were processed and are now available via RUcore.
- RUcore, the Rutgers University Community Repository, continued to add collections. 299 posters from The Center for Women's Global Leadership were placed in RUcore and are gradually becoming publicly available as permissions are received. The Equine Science Center contributed 48 research videos that have supported student and faculty research including several dissertations. The Rutgers University Libraries digitized the Central China Relief Records, 1943-1947, which document relief work in China and attempts to educate Americans about China and the Chinese people. A selection of the Tracy Voorhees papers

that document the relocation of Hungarian refugees in the 1950s through Camp Kilmer (now the site of Rutgers' Livingston Campus) was also added to RUcore.

- The Lyris mass digitization project, which involved scanning 87,500 pages into the Internet Archive and adding links for the new IA digital facsimiles to RUL library catalog records was completed in May 2011.
- IIS embedded an RUcore portal on the Special Collections web page.

Develop services that facilitate scholarly communication and support the research in process among researchers at Rutgers

- In January 2011, RUcore debuted its data portal, **RUresearch**, with the capability for archiving and preserving research data and supporting access to, and the reuse of, datasets and other research data. RUresearch includes guidance for faculty on preparing the NSF data management plan, provides access to supplementary resources ranging from code books to data analysis applications (e.g., SPSS scripts) and lifecycle events that can situate the data in the scientific workflow process (e.g., creation event documenting that the dataset was captured in the third trial of the second experiment). RUresearch meets or exceeds all federal requirements for data sharing such as the recent National Science Foundation data management plan recommendations. RUresearch is the product of a focused multiyear effort involving many RUL departments, with leadership from the RUcore research Data Manager, the Digital Library Architect, the AUL for Digital Library Systems and many faculty and staff in the SCC and CTS.
- The Open Journal (OJS) platform continues to provide robust and effective access to peer-reviewed open access content. The *Journal of the Institute for Jazz Studies* was introduced in a collaboration with IJS in FY11.
- LDAP authentication was integrated into all SIRSI library functions, enabling users to access library resources and services via NetID.
- IIS implemented the implemented the new EZBorrow Relais software , which involved testing, bug reporting and extensive testing of circulation transactions using the SIRSI/Dynix NCIP protocol.

Enhance the reciprocal partnerships, including collaboration with UMDNJ and NJIT that provide Rutgers faculty and students seamless access to collections outside the university

- Five additional New Jersey Digital Highway collection owners and 415 resource objects were added to NJDH. They include Temple Sholom (Scotch Plains, NJ), St. Joseph's Parish (Camden, NJ), Trenton Free Public Library, New Brunswick Free Public Library, and

Plainfield Public Library. The SCC introduced a new NJDH website this year, spotlighting feature collections, news about digital preservation, and tools for NJDH participants. The NJDH also embraced Electronic New Jersey, which found an ongoing home in the Educator's Portal.

- An innovative collection, *My Jersey Roots*, which adds the personal historical artifacts of New Jersey citizens, debuted at Rutgers Day and was a very successful event.
- The New Jersey Environmental Digital Library, a collaboration with the New Jersey DEP, moved from an aging stand-alone database to a new Drupal-based NJEDL web page with a custom search portal to the collection which is now maintained in RUcore. Thousands of NJEDL metadata records and digital files were batch loaded into RUcore and all new content is being added directly into RUcore. The new NJEDL now adheres to national standards and practices (as embodied in the RUcore platform) and assures the long-term preservation of the state's environmental literature and media.
- The AUL for Digital Library Systems and the System Administrator responsible for SIRSI/Dynix management served on the VALE Open Library System Steering Committee and the VALE Open Library System Implementation Team, respectively.

Continuously improve services by utilizing assessment and accountability indicators that measure needs and impact

- DTS and IIS collaborated on a project to implement e-journal usage statistics using the SUSHI/COUNTER standard. A Drupal site is set up with a custom client to query servers for statistics gathered via the SUSHI/COUNTER standard.
- IIS implemented Google Analytics over a major portion of the Libraries' website, which will produce benchmarking data for the future new site for comparison to the old site's usage and usability.
- The DTS Orders Coordinator, DTS Electronic Resources Coordinator and DTS Coordinator designed a system to measure usage of print based current periodicals in 2010, resulting in the move of 262 titles to online only. The tool was used system wide in FY11, resulting in 653 titles moving from a print format to an online only format, ensuring greater access for all Rutgers University users.

Focus on upgrading the maintenance and physical library environment, so that all libraries are welcoming, comfortable, safe and secure, and easy to navigate:

Organize print library collections to respond to efficient delivery services and reciprocal borrowing opportunities

- DTS undertook a major project to weed and reorganize print periodicals and microforms in the Alexander Library to accommodate the Scarlet Latte Café. This involved both a shifting and a reduction of microforms and current periodicals. Microform collections, such as EEBO, that are available in electronic form, were moved to the Annex. 1,215 current periodicals were reduced to 515 print titles via cancellations. Holdings were updated, loose periodicals were bound, and titles were physically weeded as appropriate. Eleven DTS staff worked on the project over the course of one week; it required collaboration and focus as well as accuracy in the changes. Also, microforms sent from the Douglass Library and stored in the spare microform study room were also cleaned up, as were other “orphan collections” such as 48 E-folio books, which were sent to CTS for cataloging.
- The Media Team, led by the Media and Music Catalog and Metadata Librarian, created an end to end process for ordering, cataloging and providing access to streaming video.
- DTS accomplished all cancellations identified by Collection Development and selectors, realizing a savings of \$800,000. A total of 1,049 titles were cancelled. The majority were cancelled in favor of aggregated online access via one of the Libraries’ major databases such as Academic Search Complete, HW Wilson, etc.
- CTS has reviewed the new cataloging standard RDA and developed interim procedures for an eventual migration to RDA as the vendors used for cataloging record creation and display adopt the standard. CTS is ensuring that RUL is well positioned for transition to this new standard, which is very different from AACR2, through training to understand the standard, tracking of its adoption by key stakeholder vendors and peer institutions, and procedures to prepare for the transition.
- CTS and IIS worked together to implement processes to reduce the cataloging backlog. The backlog has been reduced by one third and the length of time materials remain in the backlog has been greatly reduced. It is a goal in FY12 to completely eliminate the backlog.
- The Asian Languages Catalog and Metadata Librarian completed Pinyin conversion project with substantial assistance from the IIS Application Developer for batch loading. There are 29,764 Wade-Giles records in total in the library catalog, of which more than 14,000 records were manually reviewed, and 255 OCLC holdings were deleted.

- IIS, in collaboration with Access Services, implemented the new patron self checkout system.
- IIS implemented the ability to use Knight Express cards to pay for library services.
- IIS implemented new hardware for Illiad interlibrary loan software and new hardware and a software upgrade for Director's Station.
- While binding activities are greatly reduced, print resources are still bound, particularly in support of the consolidation of the current periodicals area. 477 volumes were rebound by DTS in FY11.

Develop and implement marketing and communications plans for university and statewide constituencies

- The TAS Administrator performed an assessment of RUL Brand characteristics by analyzing results of the Counting Opinions survey. Based on this data, all four brand characteristics (Friendly Service, Higher Education Focus, Enriching Knowledge, Essential Services) were demonstrated to remain valid for RUL.
- IIS implemented the new RUL Faculty newsletter as a multi-distribution platform so that the same content is re-used as an e-mail newsletter and as web content.
- An RUL-wide project information distribution platform was created to communicate the status of the web redesign project and solicit ideas and feedback from Faculty and Staff during the redesign.
- IIS created a self-service content management platform for public displays on Internet-enabled TV sets in the Scarlet Latte Café at Alexander, Kilmer, Douglass, and LSM libraries, scheduled to launch with the opening of the Scarlet Latte Café.
- As part of its efforts to improve communication with RUL Faculty and Staff, IIS created a special website, ZimbraHelp, to provide detailed information about the transition to the new collaboration suite. The website handled scheduling, allowed for self-service sign-up for classes, provided help and tutorials, FAQs, and general information and justification for the project, which is, by nature, somewhat temporarily disruptive in any environment because people almost always prefer the old solutions they are used to. IIS plans to continue such

“real-time” communication efforts to alleviate the burden of the “new.” CF:
<http://zimbrahelp.iis.libraries.rutgers.edu/>

Invest in staff development and recognition, and support organizational development, including the areas of managing people and resources.

- The AUL for Digital Library Systems, in collaboration with the RUcore Research Data Manager is offering an intensive half year course on managing research data for RUL faculty and staff who will work individually and in teams with research faculty depositing research data into RUcore.
- In response to an identified need to provide better coordination and accountability for digital collections projects, a digital projects coordinator position was designed and an incumbent hired for the Scholarly Communication Center.
- IIS migrated the entire RUL faculty and staff to the Zimbra Collaboration Suite for e-mail, shared calendaring, document sharing, briefcasing, and more collaborative services. The half-year-long project included intensive contacts with each individual staff member, elaborate planning, scheduling, training, and troubleshooting. Change management was a large part of the successful transition as over 80% of staff reported, in a subsequent survey, that they were “Very satisfied” or “Satisfied” with the process. The new collaborative platform will contribute to more efficient work of all staff in the future, and will be augmented with further integrated elements and features, as well as focused training in FY12 in collaboration tools such as the calendar and the briefcase.
- IIS is collaborating with OIT on the implementation of the new Voice-over-Internet-Protocol (VoIP) telephone system at Rutgers. Kilmer Library was first to transition in November 2010, while LSM and DGLSS have been prepared for the next phase. The new system will allow for a lot of new capabilities – such as a single central number for the Libraries that is switchable and routable – in communicating with patrons.
- IIS has installed a new antivirus protection system provided by OIT on all desktops and organized a RUL-wide round-table on cyber-security with the participation of the New Jersey State Troopers Cyber-Safety Division, OIT’s security office, and the IIS Director.

Scholarship

Publications

Books:

Weber, Mary Beth and **Austin, Fay**. *Describing Electronic, Digital, and Other Media Using AACR2 and RDA: A How-to-do-it Manual and CD-ROM for Librarians*, New York: Neal-Schuman Publishers and London: Facet Publishing, 2011, 301 pages.

Bikson, Tora K., Kalra, Nidhi, Galway, Lionel A. and **Agnew, Grace**. *Steps Toward a Formative Evaluation of NSDL*. Santa Monica, CA: Rand Corporation, 2011 (Rand Technical Report, TR-998-NSF) http://www.rand.org/pubs/technical_reports/TR998.html

Peer reviewed articles:

DeFino, Melissa and Lo, Mei Ling. “New Roads for Patron-Driven E-books: Collection Development and Technical Services Implications of a Patron-Driven Acquisitions Pilot at Rutgers” *Journal of Electronic Resources Librarianship*, volume 23, number 4 (forthcoming)

Jantz, Ron. “Innovation in academic libraries: An analysis of university librarians’ perspectives” *Library and Information Science Research*, vol. 33, issue 4 (October 2011) (forthcoming)

Sun Li. “Applying NISO Metasearch Initiative Scheme to Enhance E-Resources Management at Rutgers University Library,” *The Serials Librarian*, vol. 61, no. 1, pp. 75-89. 2011. (Preprint: <http://hdl.rutgers.edu/1782.1/rucore30111800001.Manuscript.000059605>)

Presentations:

Agnew, Grace and **Otto, Jane**, “Introduction to Rights Metadata,” as part of Preconference workshop “Cataloging and Metadata for Moving Images,” AMIA Annual Conference Cataloging and Metadata for Moving Images, Philadelphia, PA, November, 2010.

Agnew, Grace. “Adding Context to Research Data, the RUcore Approach” CNI Spring Members’ Meeting, San Diego, CA, April, 2011.

Beard, Isaiah, “Format Overview: RUcore Platform/NJVID Video Portal” at AMIA/IASA Joint Conference, November 4, 2010, Philadelphia, PA

Pavlovsky, Taras and **Brennan, John**. “VALE-OLE: Partnering Today to Manage Tomorrow’s Libraries”. Poster session. NJEdge 7.0 annual conference, November 2010, Plainsboro, NJ.

DeFino, Melissa and Lo, Mei Ling. Building a Collection that Meets Users’ Needs: the E-books Patron-Driven Model.” VALE Annual User Conference, January 2011.

Jantz, Ron. Model for innovation in libraries” ALISE 2011 Poster Session. January, 2011, San Diego, CA

Denda, Kayo, **Marker, Rhonda**, and **Sun, Li.** “Please, May We Include Your Poster in Our Repository? Permission Due Diligence, and Supporting Rights Metadata.” ALA/ACRL/Women and Gender Studies Section, June 25, 2011, New Orleans, La.

Denda, Kayo, **Marker, Rhonda**, and **Sun, Li.** Please, May We Include Your Poster in Our Repository? Permission Due Diligence and Supporting Rights Metadata.” Poster session with Kayo Denda and Li Sun, ACRL 2011, March 21, 2011, Philadelphia, Pa.

Marker, Rhonda, “New Modes and Models of Scholarly Publishing and Communication.” Panelist, VALE Scholarly Communications Symposium, March 14, 2011, New Brunswick, NJ

Marker, Rhonda. “Customized Search Portals: One Size Does Not Fit All.” Presenter at SPARC Digital Repositories Meeting Information Fair, November 8, 2010, Baltimore, MD

Mills, Chad. “RUanalytic: Demonstration and Next Steps” Video Mosaic Collaboratory Grant Advisory meeting, June 2011, Sea Isle, NJ.

Otto, Jane, Cataloging and Metadata Trends” symposium, School of Communication and Information (SC&I), Rutgers University, February 16, 2011, New Brunswick, NJ.

Otto, Jane, “Horsin’ around: Bringing Videos to Light through Innovative Metadata” at the Association of College and Research Libraries (ACRL) 2011 Conference, Philadelphia, Pennsylvania, April 1, 2011.

Otto, Jane. “AV Description and Access for the Digital Repository” (Open WMS) as part of the program “New Developments in Describing Audiovisual Materials,” Mid-Atlantic Regional Archives 2011 Conference, Alexandria, Virginia, May 6, 2011.

Otto, Jane. “Sound Bytes: A Case Study of Audio Engineering Society Technical Metadata in a Digital Repository” as part of the program “Sound Bytes: Audio Metadata Standards in Slightly More than Six Seconds,” ALCTS Metadata Interest Group, 2011 ALA Annual Conference, New Orleans, June 25, 2011.

Otto, Jane. “ Video Cataloging: a Principled, Practical Approach,” New Jersey Library Association Technical Services Section, Half-day workshop, Franklin Township Public Library, Somerset, NJ , December, 2010.

Smulewitz, Gracemary. “RUL Ebooks” VALE Annual User Conference, January 2011.

Smulewitz, Gracemary and **Weber, Mary Beth.** "Rutgers University E-book Collections" VALE/NJLA E-Books Collections Symposium, Montclair, NJ, May 2011.

Sun, Li. “Seeking Copyright Permission” Presented at *ALA ACRL/AAMES (Asian African and Middle Eastern Section)* in New Orleans, June 25, 2011.

Weber, Mary Beth. Co-moderated with Christopher Cronin of the University of Chicago, an ALCTS E-Forum “Preparing Your Library for RDA,” in September 2010. The ALCTS E-Forum is an online discussion forum and open to the public. 2,000 individuals participated.

Service to the Rutgers University Libraries.

Faculty and staff served on many councils, committees and task forces. A representative sampling of the many contributions of TAS faculty and staff are included in this section. **Isaiah Beard** is serving on the search committee for the Associate University Librarian for Research and Instructional Services. **Rhonda Marker** served on the search committee for the Copyright and Licensing Librarian and served as co-chair of the Rules of Procedure Committee. **Jane Otto** served as chair of the RUL Personnel Policy & Affirmative Action Committee **Melissa DeFino** completed her 2-year term as faculty Secretary.

Awards

Weber, Mary Beth. 2011 Presidential Citation by the Association for Library Collection and Technical Services (ALCTS) in recognition for her outstanding service as editor of the ALCTS Newsletter Online, the official newsletter of the association. She served two terms as editor (2005-2008, 2008-2011).

Service to the University and to the Profession

Agnew, Grace

- Serves as co-chair of the NISO Institutional Identifier Standard Working Group.
- Served as consultant to the National Science Foundation via the Rand Corporation to evaluate the collections and metadata of the National Science Digital Library.
- Participated in the site visit for the NSF-funded National Earthquake Engineering System, Purdue University, West Lafayette, IN, September 2010.
- Independent study advisor, SC&I LIS, for student K. Whitman, for the project, developing a metadata strategy for a patent consultant database.

Agnew, Grace and Otto, Jane.

- “Metadata for Information Professionals” online course, SC&I LIS, Fall semester 2010

Beard, Isaiah

- Served on the External Advisory Committee, Media Preservation Team, University of Indiana-Bloomington.

DeFino, Melissa.

- Chair of the Research Subcommittee of the VALE Bibliographic Control and Metadata Committee
- Member, VALE BCMC OLE Implementation Committee.
- Served as Webinar Assistant for the ALCTS Continuing Education Committee

Jantz, Ron.

- Chair, Duraspace Preservation and Archiving Group

Marker, Rhonda

- Co-chair, ALA/ALCTS/Metadata Interest Group, Program Committee
- Member, ALA/ACRL Poster Sessions Committee

Otto, Jane

- Rutgers Representative, VALE Bibliographic Control and Metadata Committee (BCMC)

Smulewitz, Gracemary.

- Member, VALE Electronic Resource Committee.
- Chair, VALE E-book Task Force.
- Member, VALE Cooperative Collection Management Committee
- Chair, VALE Serials Committee
- Member, ALCTS CRS Planning and Policy Committee Co chair, NASIG Mentoring Committee

Sun, Li and Zimmerman, Carla

- Origami demonstration and workshop, Rutgers Day 2011.

Weber, Mary Beth.

- Served as a consultant to SC&I and reviewed their cataloging curriculum.
- Member, NISO E-Books Special Interest Group.
- Represented Rutgers at the Ingram Advisory Group during the 2011 ALA Midwinter Meeting in San Diego, CA.

Zimmerman, Carla

- Membership Officer and Webmaster, New Jersey Studies Academic Alliance
- District Representative in the Membership Committee of the Society of American Archivists

Appendix A : Batch Record Sets Loaded into RUL Library Catalog

Vendor	
Supplied record sets	
Number of sets	41
New records	179,442
Updated records	4,945
Added RU-ONLINE item	1,700
Added MICROFORM item	46,605
IJS database	
New records	33,890
Updated records	27,717
Added copies	857
MARCIVE	
Monographic new records	10,283
Monographic updated records	4,428
Monographic added RU-ONLINE items	213
Serial new records	621
Serial updated records	926
Serial added RU-ONLINE items	22

EBSCO	
Records added	86,620
Records changed	74,063
Added RU-ONLINE item	5,241
Records deleted	13,482
SerialsSolutions	
Records added	2,467
Records changed	1,829
Added RU-ONLINE item	1,291
Records deleted	49,732