

**Digital Library and Information Technologies
2007 Annual Report**

2007 has been a productive year for DLIT including a March'07 reorganization in order to streamline our operation. Our current program includes the following digital library & IT activities:

PROJECT CATEGORY	SAMPLE PROJECTS
Digital Collection Building and Repository Development	Large-Scale Digitization Initiative  See Table 2 for examples from DCAPS
Scholarly Communications and eLearning	eCommons@Cornell  Faculty Grants for Digital Library Collections  arXiv  Project Euclid  Support for Center for Innovative Publishing  DPubS  development Global Performing Arts Consortium  Kinematic Models for Design Digital Library  Race and Religion  Vet School Learning Repository - Fedora testing Cornell Teaching and Learning Consortium  -
Collection Maintenance and Archiving	Repository Development for Large-Scale Digitization MathArc  - distributed archiving protocols arXiv and Euclid preservation
Enterprise-Level Services and Digital Content Delivery Platform Support	Voyager - Library Management System  Electronic Resources Management (ERM)  Luna Insight  , DLXS  , DSpace  DPubS  , GreenStone  , arXiv  CommonSpot MyContents Wiki and Blogging Software Support Web Streaming Application Support Support for 29 servers - mainly Sun
Digital Library Application Development	DPubs  - Developing the open source Digital Publishing System
Other Discovery Services	DataMart WebFeat GetIt! CUL Digital Collections Registry 
Desktop Services	Partner with unit IT Support Providers to meet the desktop computing needs of approximately 360 library staff & maintains 80% of the endowed library's public workstations.

2008 Goals

We'll continue to provide technical support and participate in various library initiatives in support of the CUL goals. In the digital library realm, our program emphasis will be on digital repository and digital asset management development. Both of these program areas have preservation components. We'll also implement the technical aspects of our scholarly communication projects.

Our operating principles include:

- Sustainability of our collections and services – continue to move from project to program mode and take into consideration full life-cycle management issues
- Staff development – training/conferences, information sharing, cross-team collaboration opportunities, staff back-ups, skills inventory
- Innovation – keep abreast of new digital library architectures and standards – contribute to new CUL program areas
- Communication – strengthen communication and information sharing both within the unit & to our CUL colleagues
- Set priorities – do not spread ourselves too thin and maintain a focus on specific program areas to build as our strengths
- Collaboration – seek opportunities to work with CUL and other related Cornell groups
- Maintenance – provide support for enterprise level services such as Voyager, Luna Insight, CommonSpot, etc.
- Usability and assessment – take into consideration usability issues in technology development and instill the culture of assessment
- Web accessibility - comply with the Cornell web accessibility standards to ensure that CUL's web sites are accessible to the widest possible range of users

Table 1: DLIT 2007 Accomplishments

Project	Details
KVRC deployment	Knight Visual Resources Collection contains digital images that support instruction at Cornell University in art, art history, landscape architecture, etc.). http://catalog.library.cornell.edu/cgi-bin/Pwebrecon.cgi?BBID=6093806&DB=local
LSDI storage	Set storage requirements and negotiated with CUL/CIT for LSDI Tier 4 storage
Digital Asset Management	CUL/Vet School & Library/CIT agreement for development of Fedora-based DAM system
Euclid	Completed first major Euclid upgrade since 2003 (to DPubS 2.0). Doubled the amount of content in Euclid.
DPubS	Public release of DPubS 2.1.
ePublishing Technologies	Consolation of all non-Euclid publications onto a single DPubS 2.1 system.
arXiv software upgrade	Completed software upgrades, put new identifier system online, and improved user interface. The site contains over 430,000 articles; over 56,000 new submissions and 45 million full-text downloads for calendar year 2007.
arXiv server upgrade	Installed new servers toward sustainable production hardware and system management.
arXiv new submission system	Recruited a programmer to develop on a new submission system.
Digitization	Created 137,000 images (103K outsourced, 34K in-house) in support of library and various faculty projects.
Cornell Daily Sun	Vol. 1-50 (1880 - 1930) digitized. Updated deliverables in METS/ALTO format (as National Digital Newspaper Program standard) to be launched in January 2008. 75 of first 100 years completed.
Amazon Print-on-Demand	Completed submission of files, total ~6K titles. Will enter revenue-generation stage in early 2008.
Alumni & Friends	Transition of site from CIT hosted to CommonSpot at CUL
eCommons	eCommons@Cornell (the change from DSpace to eCommons)
Aerial Photographs	Collaboration with Cornell Institute for Resource Information Sciences. This site presents a series of historical aerial photographs of the state of New York. http://aerial-library.cornell.edu/ny
DMG-RMC Workflow	Thorough work-flow analysis, revamping of price structure, improved relations
Repository	Digital repository development in support of preservation and management of digital content CUL-OAIS long-term preservation repository

Goldsen Archive	Create a research repository of new media art and resources for the Rose Goldsen Archive of New Media Art http://goldsen.library.cornell.edu/
Staff IT support and services	Through a unit re-organization, transitioned from having a single, dedicated IT service provider assigned to each Library unit to a unified team-based Help Desk to improved service responsiveness and reinforced common standards of practice within the group.
Provisioning public computers	Of the approximately 200 desktop public computers Desktop Services maintains in a dozen buildings across campus, we replaced over 90 this past and expanded by over 30 laptops.
Staff computer and monitor replacements	We successfully addressed a backlog of 50 older staff computers, enabling us to get back on track to replacing approximately 100 staff systems each year as part of our standard 4-year staff computer replacement schedule.
Systems architecture	Moved all servers to storage area network and configured new arXiv servers, LSDI server, and Luna test server.
Special reports	Auditor's Change Management Project & Library's Emergency Planning & Recovery System.
eNerf development and implementation	Working with Liisa Mobley and other staff members in LTS, Matt Connolly adapted the MANTIS open source software for the purpose of eresource workflow management. The new software increases the speed and efficiency of our acquisitions workflow significantly.
Web log statistical server	Pete Hoyt developed a replacement for Nettracker that improves and expands the quantity and quality of reports available on the use of our online resources. Our next step is to develop an AJAX interface that will allow users to queue up and save reports.
Web Vision report	Adam Chandler and Marty Kurth were members of the team that researched and wrote the Web Vision report that sets our strategic online direction for the next couple years. Adam is also chairing the group responsible for implementing OCLC WorldCat Local as a replacement for our Voyager OPAC.

Table 2: 2007 Projects Completed by Digital Consulting and Production Services

Digital Consulting and Production Services is a virtual group composed of various DLIT and CTS metadata staff to form a unified services point.

Name	Description/URL
ARL 75th Anniversary	materials from Human Sexuality for inclusion in ARL publication: http://www.arl.org/news/enews/enewsmarch07.shtml#2
Bolivian Pamphlets	900 pamphlets, approx 40K pages. Planning in 2007, digitization will begin in January 2008.
French Commemorative booklet	Digitization of rare French/American law materials for inclusion in commemorative booklet produced by CU Law School.
Liberian Code of Law	Digitization of a single volume as an example for discussions with potential funding sources for entire set of code http://dlxs2.library.cornell.edu/cgi/t/text/text-idx?c=liberian;idno=lib100
Nuremberg Trial	For CU Law Library Nuremberg site http://library2.lawschool.cornell.edu/donovan/index.html Digitization of 2000 pages of trial indexes pages, deliverable of OCR documents Digitization of 5000+ pages of trial documents, deliverables of OCR PDFs
Project Euclid	Manage retro-digitization: <i>Bulletin of the American Mathematical Society</i> -80K pages <i>Rocky Mountain Math Journal</i> - 1500 pages <i>Journal of Differential Geometry</i> - 30K pages <i>Proceedings of the Japan Academy</i> - 25K pages <i>Publications of the Research Institute for Mathematical Sciences</i> - 32K pages <i>Tohoku Mathematical Journal</i> - 30K pages <i>Hiroshima Mathematical Journal</i> - 23K pages <i>Osaka Journal of Mathematics</i> - 33K pages <i>Institute of Mathematical Statistics, JSTOR</i> - 120K pages <i>Association for Symbolic Logic, JSTOR</i> - 45K pages <i>IMS Lecture Notes—Monograph Series</i> - 13K pages <i>Berkeley Symposium on Mathematical Statistics and Probability</i> - 10K pages
RMC Exhibits	Lafayette: http://rmc.library.cornell.edu/lafayette/index.html Human Rights Campaign : http://rmc.library.cornell.edu/HRC Ezra : http://rmc.library.cornell.edu/Ezra/ Poe : http://rmc.library.cornell.edu/poe/ Cornerstone Box: http://rmc.library.cornell.edu/baldwin/ Roaring 20's: print exhibit
RMC Patron Requests	235 unique patron requests - including 147 Betterlight, 668 Flatbed, 126 negative, 43 Nikons, 45 slides, 871 Zeutschel, 113 Prints and 132 File Retrievals

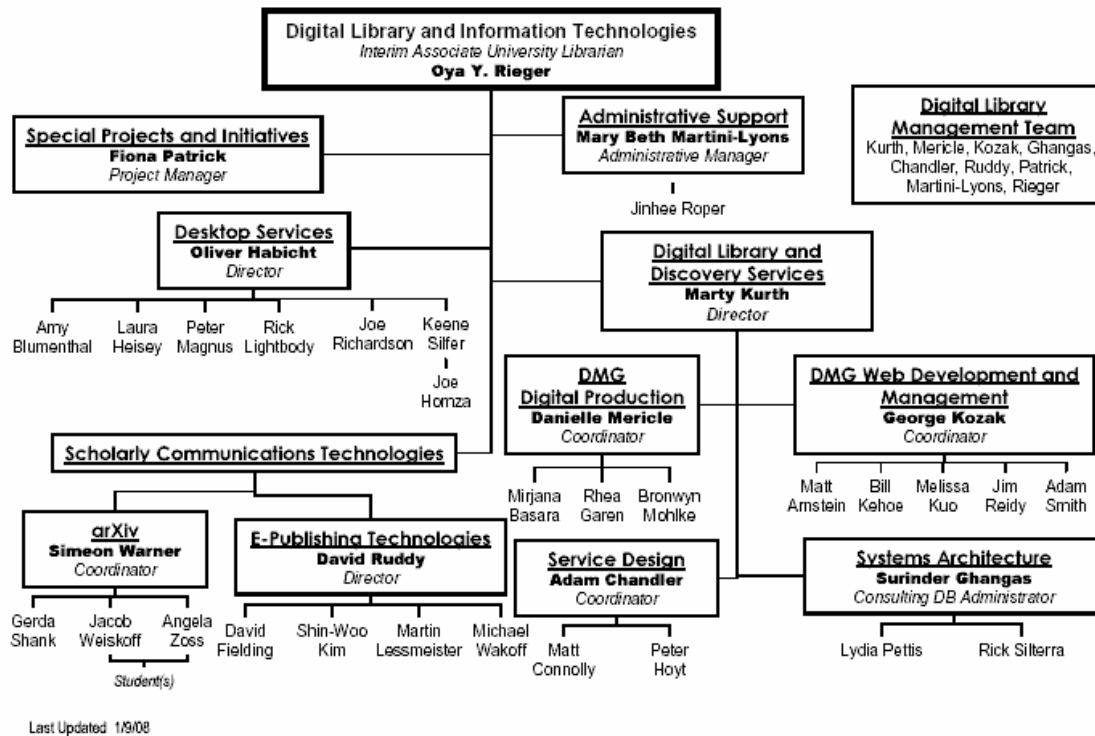
Saving Americas Treasures, Huntington Free Library Digitization Project	Funded, the digital collection creation process will be managed by DCAPS. Planning underway.
VICOS Peru Project (RMC/LUNA) Herman Goldman Foundation	Cornell University, Department of Anthropology, RMC-- Grant to digitize extensive holdings of Vicos material in RMC and make available on www. Planning meeting 07/07; estimated completion date 07/08.
The World of Dante Project	Extending UVA's multimedia site (http://www3.iath.virginia.edu/dante/overview.html) with additions from CUL's Fiske Dante Collection.
Trade Union Publications	Digitization of 3 volume set, index of major labor union publications, long out of print. It is Lloyd G. Reynolds and Charles C. Killingsworth's Trade Union Publications: http://digitalcommons.ilr.cornell.edu/tradeunionpubs/
Cornell Daily Sun	Digitizing 1885 - of CDS. Years dependent on alumni funding. Currently deploying Greenstone platform http://cdsun.library.cornell.edu
Cornell Alumni News	Digitizing additional years 1998-2005: http://ecommons.library.cornell.edu/handle/1813/3157
Connections	Digitization of newsletter of the School of Electrical and Computer Engineering; intended to provide information and updates to alumni and donors of the College. This collection contains issues from 1992 to 2005 http://ecommons.library.cornell.edu/handle/1813/8273
DPubS: Indonesia Journal Cornell Real Estate Review	Metadata production for submission http://cip.cornell.edu/Indonesia Back-issue digitization and metadata production for new DPubS title content, available in Late Summer 07. http://cip.cornell.edu/crer
Indian Architecture (MacDougall slide collection)	FIG (Faculty Innovation Grant) Additional 3,000 slides to be digitized http://beyondthetaj.library.cornell.edu
GloPad	GloPAD includes images, sound recordings, video clips, and 3-D models of the world's performing arts with detailed descriptions in standardized formats to enable effective cross-cultural searching. DCAPS Digital Media Group provides database development, web programming, design, and assessment services. http://www.glopac.org/glopad/index.php
EPE - Entrepreneurship Portal	http://entrepreneurship.cornell.edu
Johnson Museum	Ongoing Luna collection building http://insight.library.cornell.edu
Knight Visual Resource Facility	Moving their digital image collections to Luna interface. Access for CU Community only

	http://resolver.library.cornell.edu/collection/1901
Scholars Resource	Luna collection building http://resolver.library.cornell.edu/misc/5858171
Lab of Ornithology	Creating a Luna collection for Lab of O. bird art collection. 800 objects photographed, 250 to be converted from Fuertes
eCommons - Graduate Office (dissertations and theses)	300 titles per year
Gaypril event--Human Rights Campaign (Dean of Students Office)	Print exhibition--Takton Center
Vet College – Poultry Diagnostics	Cornell University Department of Pathology and Bacteriology Poultry Disease Diagnostic Laboratory Reports: http://ecommons.library.cornell.edu/handle/1813/5380
Edward D. Cope monographs	2 vol. (1500 pages) Vertebrata of the Tertiary and Cretaceous Formations of the West
Geoffrey Chester	digitization of handwritten family diary
Project Euclid	Ongoing metadata conversion and production work for publishers participating in http://projecteuclid.org/
Iota Sig	Digitization of 80 issues of Iota Sig fraternity newsletters from 1920 - 1970
Harper's image exchange	Exchange of tif images from MOA Harper's New Monthly with current Harper's http://www.harpers.org/archive/
Syracuse University	Voyages to Europe, late 19 th Century photo scrapbook, digitization of this rare work on Zeutschel for Syracuse architecture program
Sphinx	Digitization and delivery of searchable PDFs of estimated 325 issues, 15000 pages, for the Alpha Phi Alpha Fraternity. Sphinx is the nation's second oldest African-American publication still in existence (NAACP Crisis is the oldest) http://www.alphaphialpha.net/Page.php?id=85
New York State Archives/Cultural Education Center	Digitization of 45 Acts from the US Code.
Cuneiform Tablets	Creation of a web delivery platform for Professor Owen's existing cuneiform tablet collection to archive and make the collection accessible to the world. Cataloged and began digitization of Rare and Manuscript Collection's ~200 tablets. http://cdli.ucla.edu/collections/cornell/cornell_library.html
Kluge/Mueller Video	Digitizing a set of interviews between West German filmmaker Kluge and the East German playwright Muller. Develop a web portal with digital video segments, online bibliography, biographies and 2000 pages of supporting articles, books, etc. http://muller-kluge.library.cornell.edu/

Social Welfare	Develop a web portal to support teaching and research on the history of social welfare development, focusing on African American and New York State. The site will include manuscripts, early journals, narratives, reports, photographs, etc. 10,000 pages of materials to be digitized. http://dlxs2.library.cornell.edu/s/social/
NYS Aerial Photos	Digitize additional 2,500 photos and enhance delivery platform from existing prototype – preservation & access project http://aerial-ny.library.cornell.edu/ny/
Los Libros and La Cultura en Mexico	Journals include Los Libros (Argentina) and La Cultura en Mexico. Primarily text digitization to DLXS. ~4000 pages http://izquierda.library.cornell.edu/
Samizdat	Polish Solidarity movement owned by CUL - rich array of samizdat (self-published) publications from Wroclaw Primarily text digitization to DLXS delivery platform ~10,000 pages
Cornell East Asia Series Estimated completion: February 09	Cornell East Asia Book Series - digitize 20 discontinued monograph titles. Text digitization and DLXS delivery platform ~5,000 pages
Medieval Philosophy and Theology	digitize 10 years of back issues and set up as open access via DPubS. ~2,500 pages http://cip.cornell.edu/mpat/
Rockefeller/NVR fellowship competition archive Estimated completion: Fall 07**	Paper archives of the annual fellowship competition - digitizing approximately 100 folders of application and dossier materials Text and image digitization and portal development ~3500 text pages and 100 slides ** 2/3 available, remaining TBD (artist contact required) http://goldsen.library.cornell.edu/rockefeller/
Southeast Asia Program publications	Digitize 120 SEAP back-catalog Data Papers series publications for open-access. Text digitization and DLXS delivery platform ~17,000 pages http://seapdatapapers.library.cornell.edu/
eCommons --Internet First University Press	Dale Corson materials Howard Riley Transcript & Slides for IFUP publication - <i>Riley-Robb Hall at Cornell University: Celebrating It's Opening</i> http://ecommons.library.cornell.edu/index.jsp Victor Underwood Transcripts
Billie Jean Isbell Anthropology	Consultation on grant funding for additional Cornell Andean collection digitization.
Shirley Samuels	Digitization of images for publication in upcoming book

Stuart Blumin	Digitization of images for publication in upcoming book
Mary Beth Norton	Digitization of her out-of-print monograph for inclusion in eCommons - The British-Americans: The Loyalist exiles in England, 1774-1789
Robert Foote	Digitization of monograph for inclusion in eCommons - Artificial Insemination to Cloning

**Transitional Stage
Cornell University Library
DIGITAL LIBRARY AND INFORMATION TECHNOLOGIES (DLIT)**



Appendix A: DLIT Organizational Chart