

**6.9 Appendix I**

***University of Florida***

***Digital Library Center FY2003-2004 Annual Report***

**For brevity, this Report's fiscal reporting and analyses have been removed.**

**Digital Library Center  
 2003-2004 Fiscal Year Report**

The Digital Library Center's collection *catalog* include both umbrella and sub-collections, as well as some minor divisions of sub-collections. Hierarchy is noted in the statistical tabulation.

Production statistics are always counted at the lowest level. The *World Map Collections*, for example includes several sub-collections: *African Map Collection*, *Caribbean Map Collection*, *Florida Map Collection*, etc. Items and images counted for the sub-collection are not rolled into the counts for the umbrella collection. Umbrella collection counts are general items/images that are not specific to a sub-collection.

The University of Florida contributes all of its digitized collections to the PALMM Collections. And, while it leads development of many PALMM Collections it deploys in most cases under the PALMM banner to encourage contribution and shared ownership. The following statistics represent University of Florida contributions alone. Partners are listed in the narrative that follows.

All of the University of Florida's digital masters, consistent with analog/preservation microfilming practice, are doubly stored, each with MD5 checksums at file level in separated databases also noting file name, file format, file size, creation date and methods, and other archival information, much of it derived from the file header. Applications monitor dates and files, sending inspection and migration notices/triggers. The Digital Library Center (DLC) maintains a CD-ROM or DVD-ROM archive on gold based media. The Florida Center for Library Automation (FCLA) Digital Archive maintains a second digital master in off-line MAGSTAR tape format under a maintenance agreement with the Northeast Regional Data Center (NERDC) and in accord with archive policy found at <http://www.fcla.edu/digitalArchive/>.

Project Release Information	Scanned		FTPed	
	Items	Images	Items	Images
<b><i>Aerial Photography : Florida</i></b> <a href="http://web.uflib.ufl.edu/digital/collections/FLAP/">http://web.uflib.ufl.edu/digital/collections/FLAP/</a>	48,230	48,230	48,230	48,230
<b><i>Africana Collections</i></b> Not yet in public release	5	602	2	103

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Project Release Information	Scanned		FTPed	
	Items	Images	Items	Images
<b>Digital Library of the Caribbean (dLOC)</b> Not yet in public release	141	2,819	0	0
<b>Caribbean Newspaper Imaging Project</b> <a href="http://web.uflib.ufl.edu/digital/collections/cnip/eng">http://web.uflib.ufl.edu/digital/collections/cnip/eng</a>	12	235	0	0
<b>Eric Eustace Williams Collection</b> <a href="http://palmm.fcla.edu/eew/">http://palmm.fcla.edu/eew/</a>	2	652	14	1,059
<b>Haïti : Istwa e Kulcha</b> <i>Haïti : History &amp; Culture / Haïti : Histoire et Culture</i> Not yet in public release	1	638	0	0
<b>Latin American Resources</b> Discontinued; resources distributed to dLOC collections	2	88	1	83
<b>[Puerto Rico Collection]</b> Not yet in public release	1	1,020	0	0
<b>U.S. Virgin Islands History and Culture</b> <a href="http://palmm.fcla.edu/usvi/">http://palmm.fcla.edu/usvi/</a>	29	2,355	28	2,009
<b>USVI Funeral Booklets</b> Sub-collection interface not yet in public release	2	24	1	0
<b>USVI Government Documents</b> Sub-collection interface not yet in public release	11	366	3	220
<b>USVI Research Reports</b> Sub-collection interface not yet in public release	5	1,044	0	0
<b>Florida Archival Collections</b> Pending FCLA EAD deployment				
<b>University of Florida Archives</b> Pending FCLA EAD deployment	7	2,261	0	0
<b>Florida Environments OnLine</b> <a href="http://palmm.fcla.edu/feol/">http://palmm.fcla.edu/feol/</a>	63	5,620	5	1,148
<b>Florida Geological Survey Publications</b> <a href="http://palmm.fcla.edu/fgs/">http://palmm.fcla.edu/fgs/</a>	15	1,242	12	2,092
<b>Florida Agriculture &amp; Rural Life</b> <a href="http://palmm.fcla.edu/flag/">http://palmm.fcla.edu/flag/</a>	221	11,160	26	835
<b>Howard T. Odum Center for Wetlands</b> <a href="http://palmm.fcla.edu/feol/Odumpathfinder.htm">http://palmm.fcla.edu/feol/Odumpathfinder.htm</a>	8	509	0	0

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Project Release Information	Scanned		FTPed	
	Items	Images	Items	Images
<b>Florida Heritage Collection</b> <a href="http://palmm.fcla.edu/fh/">http://palmm.fcla.edu/fh/</a>	371	20,626	12	238
<b>University of Florida Publications</b> Sub-collection interface not yet in public release	482	840	0	0
<b>University of Florida Archives. Audio</b> Not yet in public release	43	129	1	2
<b>Literature for Children</b> <a href="http://palmm.fcla.edu/juv/">http://palmm.fcla.edu/juv/</a>	250	24,679	7	1,953
<b>Linking Florida's Natural Heritage</b> <a href="http://palmm.fcla.edu/lfnh/">http://palmm.fcla.edu/lfnh/</a>	0	0	10	1,708
<b>New World Collections</b> Not yet in public release				
<b>East Florida Papers</b> Sub-collection interface not yet in public release	1	25,894	0	0
<b>Oral History Collections</b> Not yet in public release				
<b>Samuel Proctor Oral History Program</b> Sub-collection interface not yet in public release	803	20,863	0	0
<b>Parkman Dexter Howe Library of New England Authors</b> PALMM interface not yet in public release Special interface on Howe Society web page	16	1,565	0	0
<b>Performing Arts Collections</b> Not yet in public release	4	221	0	0
<b>Psychoanalytic Study of the Arts</b> <a href="http://palmm.fcla.edu/psa/">http://palmm.fcla.edu/psa/</a>	0	0	2	282
<b>Sanborn® Fire Insurance Maps of Florida</b> <a href="http://palmm.fcla.edu/sanborn/">http://palmm.fcla.edu/sanborn/</a>	12	127	12	127
<b>Theology Collections</b> Not yet in public release	0	0	3	82
<b>University of Florida Herbarium</b> <a href="http://www.flmnh.ufl.edu/natsci/herbarium/cat/">http://www.flmnh.ufl.edu/natsci/herbarium/cat/</a>	675	675	675	675

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Project Release Information	Scanned		FTPed	
	Items	Images	Items	Images
<b>World Map Collections</b> <a href="http://palmm.fcla.edu/map/">http://palmm.fcla.edu/map/</a>	234	244	233	243
<b>African Map Collection</b> <a href="http://palmm.fcla.edu/map/mapaf.html">http://palmm.fcla.edu/map/mapaf.html</a>	35	55	42	71
<b>Asian Map Collection</b> <a href="http://palmm.fcla.edu/map/mapas.html">http://palmm.fcla.edu/map/mapas.html</a>	10	20	10	20
<b>Caribbean Map Collection</b> <a href="http://palmm.fcla.edu/map/mapc.html">http://palmm.fcla.edu/map/mapc.html</a>	317	441	313	354
<b>European Map Collection</b> <a href="http://palmm.fcla.edu/map/mapeu.html">http://palmm.fcla.edu/map/mapeu.html</a>	24	45	24	45
<b>Florida Map Collection</b> <a href="http://palmm.fcla.edu/map/mapfl.html">http://palmm.fcla.edu/map/mapfl.html</a>	2,125	2,578	2,032	2,244
<b>Middle East Map Collection</b> <a href="http://palmm.fcla.edu/map/mapme.html">http://palmm.fcla.edu/map/mapme.html</a>	5	7	5	8
<b>North America Map Collection</b> <a href="http://palmm.fcla.edu/map/mapna.html">http://palmm.fcla.edu/map/mapna.html</a>	3	5	3	5
<b>Pacific Map Collection</b> Sub-collection interface not yet in public release	10	20	10	20
<b>South America Map Collection</b> <a href="http://palmm.fcla.edu/map/mapsa.html">http://palmm.fcla.edu/map/mapsa.html</a>	1	1	2	3
<b>[Miscellaneous materials]</b> Officially unnamed & without web interface Resources cataloged in OPAC & OCLC	12	364	11	327
<b>TOTAL</b>	<b>54,188</b>	<b>178,264</b>	<b>51,729</b>	<b>64,186</b>

Scanned = digitized;

FTPed = sent to FCLA for load into test or public collection

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#### **OTHER HIGHLIGHTS OF THE YEAR**

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- Florida Center for Library Automation loaded new versions of XPAT/Search System software for Archives, Text and Image classes.
  - Collaborated with the DLC to build Archives Class behaviors (not completed)
  - Collaborated with the DLC to build support for new Text Search product created by the DLC.
- *University of Florida Herbarium* Collections remain our most heavily used digital collection.
- Acquired PrimeRecognition optical character recognition (OCR) software (<http://www.primerecognition.com/>), with 6 voting engines, for text conversion.
  - Average accuracy for text conversion: 99.95%
  - Liaison with FCLA to configure XPAT to support PrimeRecognition product (PDF with hidden text)
  - Initiated programming of a zoning tool for newspapers
- Acquired Meikel 525 GS high-speed microfilm scanner.
  - Difficulty using the scanning at high speed. Similar problem reported by Georgia State Archives and University of Kentucky (UK). UK's IMLS-funded "Beyond the Shelf" (<http://www.uky.edu/Libraries/BTS/>) project reports having to use the Meikel "by hand".
- Mark Sullivan (Systems Dept./DLC applications) and Gus Clifton (DLC Text Conversion & Mark-up) program new METS/MXF metadata packaging applications.
  - Application allows the aerial photography project to gain labor/cost saving efficiencies. The application also supports automated header inspection to determine compliance with imaging specifications.
  - Application allows metadata wrappers to be constructed quickly and efficiently with minimal human intervention.
  - Application supports semi-automated quality control and structural metadata creation; and it builds TEI shell. It also generated reports on rejected images.
  - Application builds on PrimeRecognition output to automate table of contents creation and other tagging.
  - Application implements GATE and ANNIE scripts for intelligent/semantic name recognition. It speeds text quality control review and semi-automates name authority tagging and geographic referencing within texts.

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- Institute for Museum and Library Services awards the *Ephemeral Cities* project.
  - Project will link archival, graphical, and print resources to interactive maps using a geographic information system with temporal layers, using highly detailed Sanborn® maps.
  - Erich Kesse delivers presentations on the project at WebWise 2004 (Chicago, IL) and SOLINET's annual membership meeting (Atlanta, GA)
  - Mark Sullivan (Systems Dept./DLC applications) programs new METS-compliant metadata tool for the project's "*Community Days*" (a kind of antiques road show with digitization and preservation advice for artifacts brought in by the community). FCLA suggests the tool might replace its MXF client, used by the other State University Libraries to package metadata.
- Sanborn® Fire Insurance Maps of Florida
  - Entered its second phase: georectification and indexing of structures.
  - Work on Gainesville, Key West and Tampa funded by the IMLS-funded *Ephemeral Cities* project.
  - Work on Miami and Fort Lauderdale funded by the Southeast Florida Water Management District – georectification only.
  - Stephanie Haas initiated discussions with other water management districts to fund additional geo-rectification.
- Library Services and Technology Assistance (Florida program) awards the second phase of the *From the Air* project (a.k.a., *Aerial Photography : Florida*)
  - Project exceeds the target of 35,000 images by 13,230 within original budget.
  - Availability generates tremendous interest and request for access to high resolution digital masters.
    - Stephanie Haas and Mark Sullivan respond for tens of thousands of images, most provided on a *quid-pro-quo* basis, exchanging images for additional geographic referencing information.
    - Erich Kesse initiates discussions with a local donor to fund a JPEG2000 server that will deliver high resolution copies.
- St. Augustine Foundation funds *East Florida Papers* project.
  - Jim Cusick, Curator, P.K. Yonge Florida History Library authors grant.
  - The first of several planned *New World Collections* projects, *East Florida Papers* card calendar is digitized and parsed text into a searchable database.

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- *Literature for Children* continue to process materials.
  - The NEH-funded Baldwin Library cataloging and preservation project generated thousands of titles, only a quarter of which are currently available on-line.
  - Hybrid method, combining color digitization from source integrated with microfilm digitization, proves cost-effective but more time-consuming than projected.
  - Processing was halted pending UF DLC installation of PrimeRecognition optical character recognition (OCR) application of FCLA modification of XPAT search engine to accommodate its out-put. New method will make keyed/human entry of table of contents metadata obsolete.
  - OCR will make all text searchable, supporting literary and social studies.
  - John Ingram (Director for Collections) and Rita Smith (Curator, Baldwin Library of Historical Children's Literature) procure funding for continued digitization, albeit fully digital (abandoning the hybrid model).
- *Linking Florida's Natural Heritage* and other collections begin to repurpose page-image resources using PrimeRecognition optical character recognition (OCR) application to enhance search and access.
- Name authority is the name of the game.
  - Preparations for migration of *Ringling Collection* to RLG's *Cultural Materials* collections and issues associated with name and place queries in the *Ephemeral Cities* project make apparent the importance of name authority. Discussions with Catalog Department are on-going.
- *Great Floridians* project continued to be delayed by release of new XPAT Archives Class from the University of Michigan.
  - Deployment under previous XPAT systems was kludged. Substantial work will be required to redeploy this project.
  - Includes the *Papers of Governor C. Farris Bryant* (23,000+ digitized items linked via Encoded Archival Description (EAD)).
  - John Nemmers (Dept. Spec. & Area Studies Coll.) has tagged (EAD) more than 50 additional collections : to be mounted, pending new Archives Class. Prominent among them is the *Papers of Napoleon Bonaparte Broward*, governor during the period covered by the IMLS-funded *Ephemeral Cities* project and during the NEH-projected *National Digital Newspapers Program*. Together with resources in the *Florida Environments OnLine*, *Florida Heritage*, *Florida Historical Legal Documents* collections, the papers of Governor Broward will create an information continuum.

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- Toward a *Florida Newspaper Collection*
  - The PALMM partnership (i.e., the statewide *Digitization Projects Planning Committee*) declined UF's suggestion to fund newspaper digitization pending standardization of newspaper encoding and delivery technologies.
  - IMLS-funded *Ephemeral Cities* project, allows us to open a back-door, allocating funds for digitization and text conversion of 1900-1910 newspapers from Gainesville, Key West and Tama/Ybor City.
    - Microfilm sent to vendor at end of FY; product not yet scheduled for return.
  - FCLA investigate support for newspapers under various platforms/software applications. XPAT does not readily accept newspaper test product. Greenstone, with iArchives' modifications proven to accept test product, but Greenstone behaviors are not entirely satisfactory. Olive Active Paper™ assessed to have the best interface and behaviors but DTD is proprietary and not public (raises questions about ongoing maintenance & viability of future migrations), its maintenance costs are high as are OCLC's production fees and server costs.
  - UF DLC conducts research into newspaper mark-up methods (DTDs) and asks NISO to empanel a standards committee to move forward a public standard. The effort receives wide-spread support and endorsements from DLF member institutions and the Executive Director of the Coalition for Networked Information. But, it is eventually blocked, reportedly by a NISO vendor member marketing one of the newspaper applications.
- Staff Assignments: National
  - Stephanie Haas sat on a NSF panel
  - Erich Kesse sat on an IMLS panel
  - Stephanie Haas server as President/Past-President of IAMSLIC
  - Erich Kesse continues to serve on NISO committee: Technical Metadata for Digital Still Images ([http://www.niso.org/committees/committee\\_au.html](http://www.niso.org/committees/committee_au.html))
  - Erich Kesse presented papers on the IMLS-funded Ephemeral Cities project at Web Wise 2004 (Chicago, IL) and the SOLINET Annual Membership Meeting (Atlanta, GA). A version of the paper can be found at <http://web.uflib.ufl.edu/digital/collections/ephemeralcities>.
  - Erich Kesse presented a paper on OAI in the AmericanSouth.org project. The paper is collected at: <http://metascholar.org/word/MetaScholarFindingsProceedings.doc>, pp. 56 forward.

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- OAI and other Contributions

PALMM Collections now are contributed selectively to the following “harvesters”

- *AmericanSouth.org*
- RLG *Cultural Materials* Collections
- *National Digital Science Library*
- *International Digital Children’s Library*

- Assistance Provided

The Digital Library Center recognizes that collections can be made more complete and, therefore, more useful to the University of Florida community through partnerships. The Center maintains the following content development or technology assistance partnerships. Statistical tallies do not currently report this effort.

- ***Alachua County Public Library District***  
Shared collection development of the IMLS-funded *Ephemeral Cities* project.
- ***Alachua County Public Records Office***  
Image & metadata collection service.  
Directs county public documents, genealogical information, etc. into the Florida Heritage Collection  
A no-fee pass-through partnership.  
Also, shared collection development of the IMLS-funded *Ephemeral Cities* project.
- ***El Pilar Archaeological Reserve for MAYA Flora & Fauna***  
A partnership providing the Reserve’s publications to a planned *The Classic Maya / Los Mayas clásicos* Collection, scheduled for FY2004-2005 public release.
- ***Eric Eustace Williams, Estate of***  
Shared collection development of the Eric Eustace Williams Collection, including a pass-through partnership with the ***University of the West Indies’*** St. Augustine (Trinidad) campus (UWI-TT), which houses the Eric Williams Memorial Collection, a UNESCO *World Heritage Collection*.
- ***Florida Agricultural and Mechanical University (FAMU)***  
Digital imaging, text conversion, mark-up, etc. for FAMU’s Florida Heritage Collection contributions.  
A fee for services partnership.
- ***Florida Atlantic University (FAU)***  
Shared collection development for a planned *Judaica Collections*.  
FAU is developing collection infrastructure; UF will contribute content.

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- **Florida International University (FIU)**  
Shared collection development for the *Digital Library of the Caribbean*, including a pass-through partnership with the **Bibliothèque Nationale d'Haïti** for a planned *Haïti : Istwa e Kulcha / Haiti : History and Culture / Haïti : Histoire et Culture* Collection scheduled for FY2004-2005 public release.  
Shared collection development of the IMLS-funded *Ephemeral Cities* project.
- **Panhandle Library Network (PLAN)**  
Metadata assistance to facilitate direct entry of PLAN member institution content directly into PALMM Collections.  
Provides textual and graphical resources on the Panhandle of Florida, including military history.  
A one-time no-fee partnership to build state infrastructure.
- **Matheson Historical Center (MHC)**  
Training in digital imaging; arranged gifting of computer and scanning equipment; staffing through grant funds.  
Some services provided with grant funding. Others represent a one-time no-fee partnership to build state and local infrastructure.  
Also, shared collection development of the IMLS-funded *Ephemeral Cities* project.
- **Monroe County Public Library (MCPL)**  
SID compression of its LSTA-funded *Mile Markers* project  
Provides graphical resources on the Florida Keys.  
A one-time no-fee partnership to build state infrastructure.  
Also, shared collection development of the IMLS-funded *Ephemeral Cities* project.
- **Southwest Florida Library Network (SWFLN)**  
Database and metadata assistance with its LSTA project, to eventually facilitate direct entry of PLAN member institution content directly into PALMM Collections.  
Provides graphical and textual resources on southwest Florida, e.g., Big Cypress National Park, Koreshan State Historic Site, and Sanibel Island National Park.  
A one-time no-fee partnership to build state infrastructure.
- **University of Central Florida (UCF)**  
Shared collection development of a planned *Arte del Sol: Caribbean and Latin American Arts* Collection scheduled for FY2004-2005 public release.  
Shared collection development for the *Digital Library of the Caribbean*.  
UCF also agreed to become an alpha-test institution for our text zoning application when it becomes available in FY2004-2005. The application increase the accuracy of optical character recognition (OCR), particularly of newspaper pages.

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- ***University of North Florida (UNF)***  
Digital imaging, text conversion, mark-up, etc. for UNF's Florida Heritage Collection contributions.  
A fee for services partnership.
- ***University of the Virgin Islands (UVI)***  
Image and metadata collection service.  
A no-fee pass-through partnership.  
Also, UF contributes its own new content to build a stronger U.S. Virgin Islands Collection.

The Center also maintains collection development partnerships with other PALMM contributing member institutions: Florida Agricultural & Mechanical University, Florida Atlantic University, Florida Gulf Coast University, Florida International University, Florida State University, University of Florida, University of Central Florida, University of North Florida, University of South Florida, and University of West Florida, as well as other divisions of the University of Florida, principally: the Florida Center for Library Automation, the Florida Museum of Natural History and notably its University of Florida Herbarium, the Howard T. Odum Center for Wetlands and other units of the Institute for Food and Agricultural Sciences, and the Institute for Psychoanalytic Study of Art.

In FY2003-2004, it also initiated discussions to extend partnerships to International Consortium of Psychoanalytic Study of Art, Jacksonville University, the University of Miami, the Bibliothèque Nationale d'Haïti, University of Puerto Rico, University of the West Indies, CARICOM, UN-ECLAC, National Library of Jamaica, and other Caribbean institutions. Additionally, it continued partnership discussions the University of Florida's climate centers (Land Use and Environmental Change Institute (LUECI) & Florida Institute of Paleoenvironmental Research (FLIPER).

Discussions were also initiated by the Libraries Government Documents Department with the Super-Intendent of Documents on participation in retrospective digitization of government documents. The Digital Library Center digitize U.S. government documents meeting the collection development criteria of the *Florida Heritage Collection*, the *Puerto Rico Collection* and the *U.S. Virgin Islands History and Culture Collection* as demonstration of imaging and text conversion and mark-up capabilities.