



July 4, 2004

Annual Report 2003/2004 for the Digital Library and Archives

Incomplete



photography by Gene Dalton, Roanoke Times

Random Highlights from 2003/2004 for the Digital Library and Archives

Accessions

Special Collections added 1239 cu. ft. of manuscript and archival collections, not including 800 cu. ft. mining maps yet to arrive. (see attached)

<u>category</u>	<u>size (cubic feet)</u>		
Ag History	2		
Culinary	8		
Civil War	14		
IAWA	1062	6.5	<i>Organization of Women Architects</i>
		500	<i>Eleanor Pettersen</i>
		15	<i>Melita Rodeck</i>
Local History	12		
Sci/Tech	103	100	<i>Pocahontas</i> 800 more yet to arrive
VT	38		

Processing Collections

Processed: 470 cubic feet of manuscript and archival collections (see attached)

Rare Books

Cataloged: 1672 titles, added 1971 volumes

Joyce Nester worked 300 hours cataloging and processing the Bailey-Law Collection that was transferred from the Virginia Tech Museum of Natural History. She added approximately 605 new titles to Addison for the Rare Book Room; 20 more titles need original cataloging.

We also received 2 cu. ft. of manuscript materials and a wooden crate of plates for at least one of Harold Bailey's books. Eight of the fourteen colored plates for Bailey's *Birds of Virginia* were included in the collection. These were framed at Miller Off Main and are on exhibit with books from the Bailey-Law Collection in the gallery windows.

This collection is a tremendously rich source of original material that would be ideal for future note cards, bookmarks, posters, etc. The artists who created most of the illustrations for the Bailey books are very well known in the history of the discipline. We have a unique trove of art from these famous illustrators and can capitalize on that on a Web site. Many of the ornithologists represented in the collection's manuscript material are pioneers in that world and their letters would be of interest. There is also a unique autograph collection and many folded maps.

VT Foundation Funds

Special Collections now houses an additional \$14,785.08 worth of materials documenting the American Civil War funded by the Wallace Foundation donation.

- 1864 map, "Battles of the Crater and of June 22" [Petersburg] \$4,000
Currently exhibited along with images of Civil War railroad scenes
- CALL NUMBER: RT51 N68 1860b \$650
Author: Nightingale, Florence, 1820-1910.
Title: Notes on nursing: what it is, and what it is not. By Florence Nightingale.
Imprint: New York, D. Appleton and Company, 1860.
Description: 140 p. 21 cm.
- Biographical Roster of the Immortal 600 \$5,750
John Cason's diary written during his imprisonment. Signatures and notes written by 600 prisoners of war.

See also accompanying page about the Culinary History Collection.

Special Collections had \$1175.00 remaining from the German Club donation of \$2500 received in FY2003. After evaluating our options, Miller Off Main was selected to frame eight ornithology prints from the recent addition to the Bailey-Law Collection. These paintings are on display in the lobby cubicles. The frames truly enhance the paintings and they are well protected by light protective glass and acid-free papers. We also had the Diversity Banner framed.

We also purchased a VCR and some audiovisual cables so that patrons could use Special Collections materials in the secure Reading Room. Previously we had to allow them to take AV materials into other, less well monitored areas of the library. A researcher is currently using this equipment to view oral histories made in the New River Valley.



New logo for the Digital Library and Archives. Revised layouts will follow the IAWA model.

NANTAHALA:

<http://scholar.lib.vt.edu/ejournals/nreview/>

Publishing Ejournals (more than 150 articles were tagged with HTML)

<i>Electronic Antiquity</i>	vol. 7, no. 1
<i>Journal of Career and Technical Education</i>	vol. 19 no. 1 - vol. 20, no. 1
<i>Journal of Design Communication</i>	issue 5
<i>Journal of Industrial Teacher Education</i>	vol. 38 no. 2 - vol. 40 no. 3
<i>Journal of Pesticide Safety Education</i>	vol. 5-6
<i>Journal of Technology Education</i>	vol. 14 no. 2
<i>Journal of Technology Studies</i>	vol. 28 no. 1 - vol. 29 no. 2
<i>Journal of Vocational Education Research</i>	vol. 28 no. 1-3
<i>Techné</i>	vol. 7, no. 1-2
<i>Virginia Libraries</i>	vol. 49 no. 1-4, vol. 50 no. 1
<i>Willa</i>	vol. 11

Publishing the News

Collegiate Times: Aug, 2002-Dec. 2003, of 63 issues
Spectrum: 24 issues, *Conductor* 4 issues, *e-Learning* 1 issue
WDBJ7 started archiving weather reports

Exhibits in Newman Library include

Love & [Civil] War
 Eastern Woodland Indians
 Fashion in the 20s
 IAWA ASPIRES Grant
 Historical Culinary Cookbooks

Fabric Publications from the Rare Book Room
 Lord of the Rings
 Civil War
 Bailey/Law: Art and Publications

Exhibits elsewhere include

- Department of Animal and Poultry Science centennial celebration
- "Past, Present, and Future of Graduate Education," 1100Torgersen, March 23-23, 2004
- Women of Virginia Tech Project (University Relations/University Development campaign)
- Hillcrest Reunion display (Alumni Association)
- www.archmuse.com/mw2004finalProgra.DFT.pdf Kennelly demonstration, April 3, p. 28
"Digital Exhibitions from the University Libraries' Special Collections at Virginia Tech" Enter the web pages of Virginia Tech's Special collections and stroll through historic Blacksburg, the Civil War letters of a homesick drummer boy, or view sites from Leopold Bloom's odyssey in James Joyce's Ulysses.

Tours, Information Sessions

- Agricultural Economics Reference Organization 10/16/03
- Mr. And Mrs. William Atkinson 3/22/04
- UT Prosim Open House 4/23-24/04
- Mr. and Mrs. Tom Clark 5/14/04
- Andreas Degkwitz, CIO, Technical University of Cottbus, Germany 4/22/04
- Ramesh C. Gaur, Fulbright Scholar Librarian from Tata Institute of Fundamental Research, Mumba, India, fall semester
- Meleladom Sreekumar, Librarian and Head, Center for Development of Digital Libraries, Indian Institute of Management Kozhikode, Calcutta
- Andrew Treavor, Monash University (Australia)

Instructional Sessions

- FDI, "Scanning and Digital Library Archives," Kennelly, Worley, July 11
FDI, "Digitizing for Access and Preservation," Kennelly, Worley, Pratt, May 23
Dr. Jim McKenna
HIST 3124, Agricultural History, Kennelly, Merrill, Pencek, Oct. 1
"Applying Copyright in Scholarship and Instruction" (McMillan)
FDI Summer, presented six session after developing presentation with and for college librarians
FDI Fall, presented two sessions (Oct. 14, Oct. 29)
Dr. Crandle Shifflet (McMillan, copyright)
HIST/GEOG 5144, The Transatlantic World: A Research Seminar, Oct. 17
Dr. Karen DePauw (McMillan, copyright)
Copyright for the Future Professoriate, Graduate Education Week at VT, March 24.
Delores McDowell (McMillan)
ETDs: for Newman Library's graduate assistants, Jan. 14
Dr. Shellie Fowler "The Information Cycle," McMillan and Seamans
GRAD 5984 Teaching & Learning in Contemporary Contexts,
Dr. Dean O'Donnell (Nester)
HIST 2004, Historical Methods
Primary sources and tools for finding them, Oct. 28
Secondary sources and their tools, Nov. 4



The Culinary History web is currently undergoing a redesign. In the meantime, DLA published the latest issue of the popular *Virginia Culinary Thymes*.

Several important publications were purchased with Foundation funds for the Culinary History Collection. Among them were

CALL NUMBER: HQ1201 K52 1789

Author: Kenrick, W. (William), 1725?-1779.

Title: The whole duty of woman.

Edition: A new ed., with considerable improvements.

Imprint: London printed: Reprinted at Litchfield [Conn.]: by T. Collier, [1798] + 1 loose sheet (hand written poem with note).

Description: 106 p. ; 11 cm. (8vo)

Note: REFERENCES - Evans 3948

Brief essays on marriage, education, religion, and reputation: "Sport not with thy good name, nor run it heedlessly into danger; for the consciousness of thine own innocence, will not protect thee from reproach."

CALL NUMBER: RA778 D3 1878b

Author: De La Banta.

Title: De La Banta's Advice to ladies concerning beauty : development of the figure, etiquette, the art of pleasing, dress, etc. : also his valuable collection of oriental mysteries of the toilet / by Professor De La Banta.

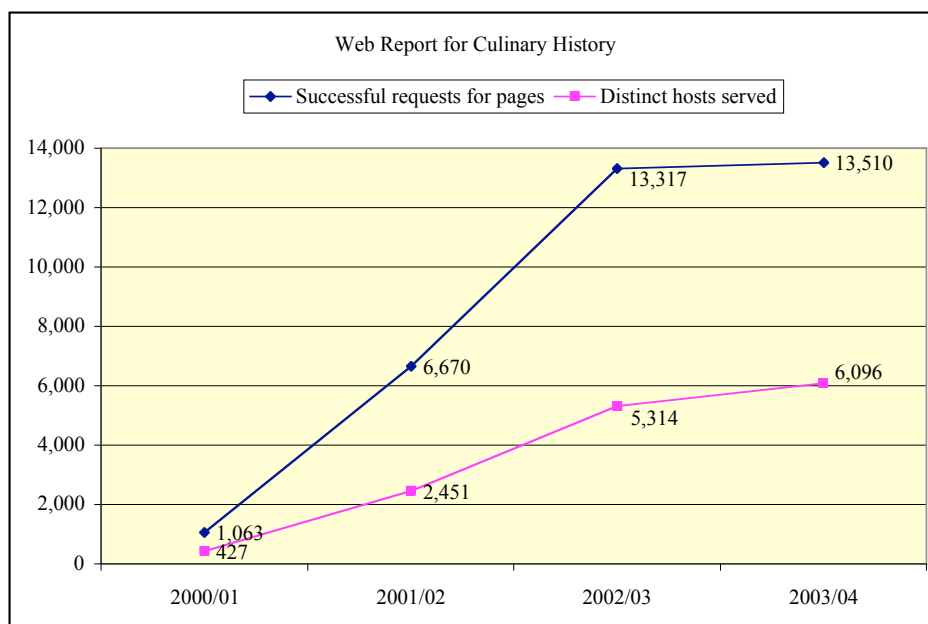
Imprint: Chicago : H.A. Sumner, 1878.

Description: 377 p. : ill. ; 22 cm.

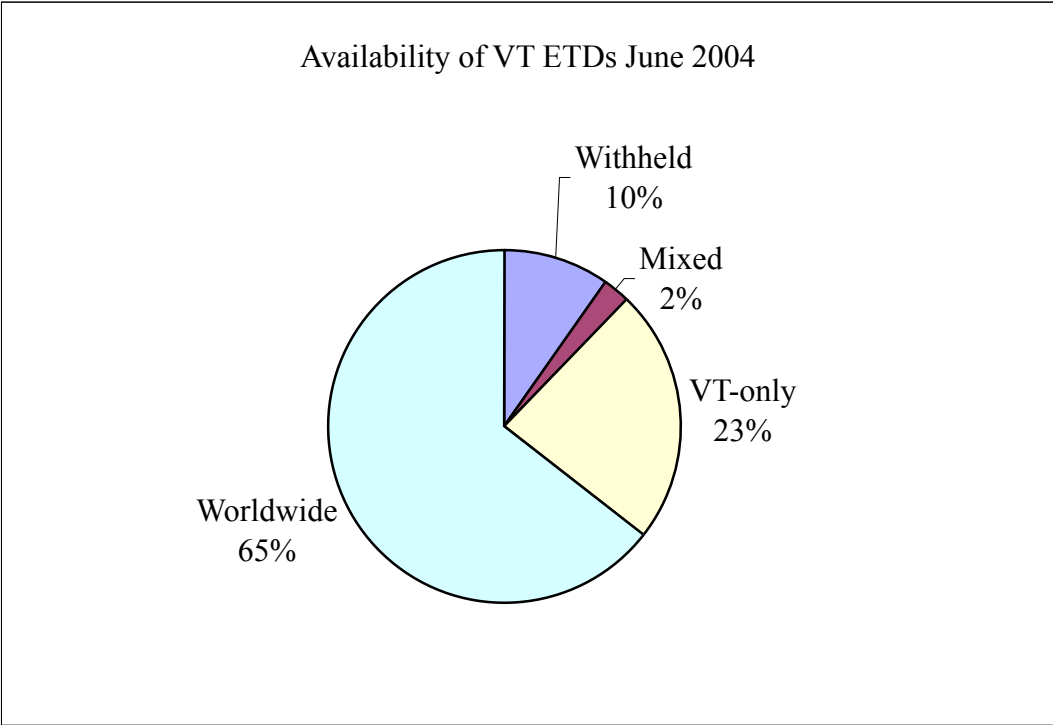
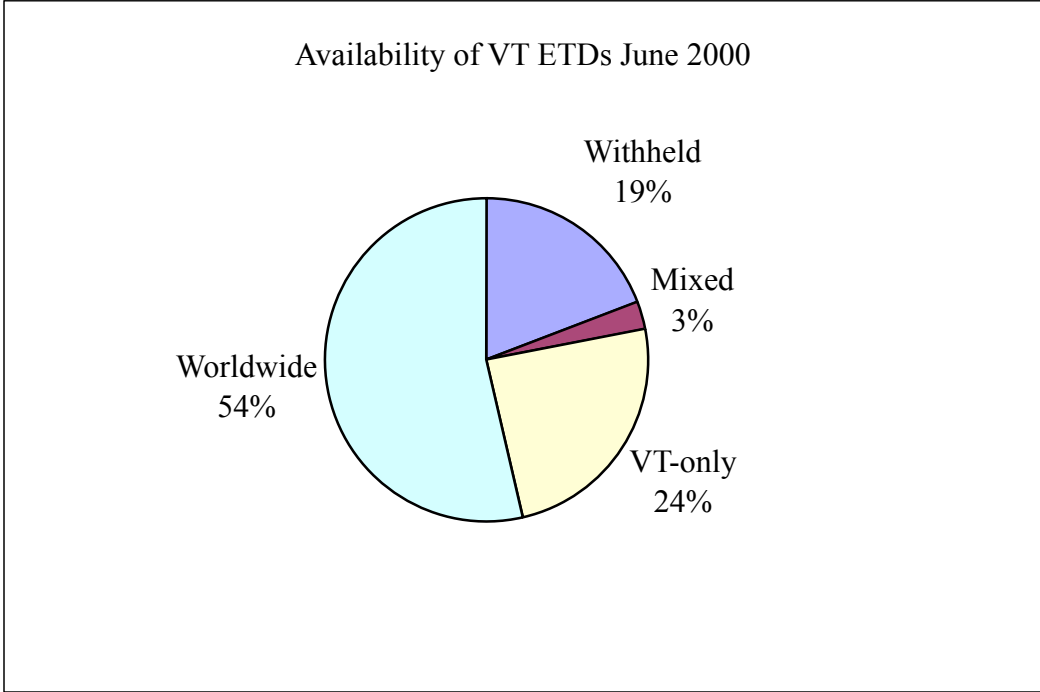
Subject: Women -- Health and hygiene.

Subject: Beauty, Personal.

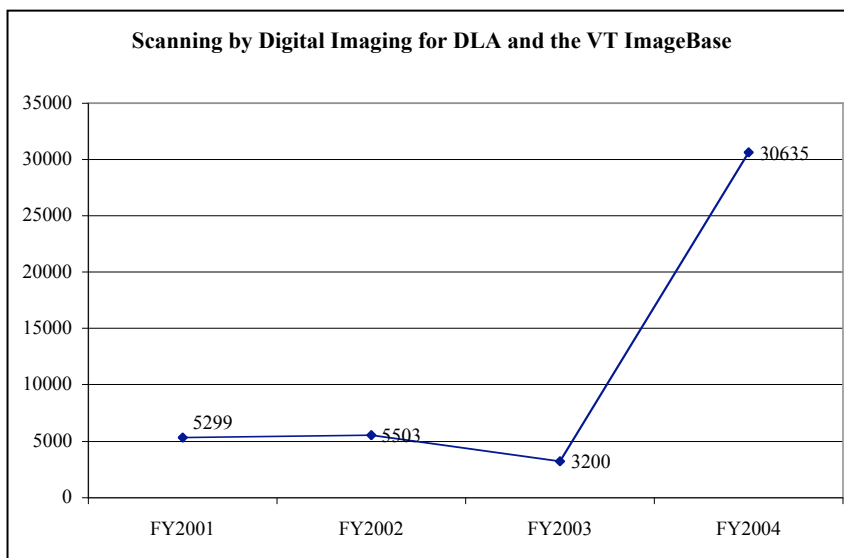
Culinary History continues to be a popular web destination, as evidenced by the log reports for the last four fiscal years.



	June 2000	June 2001	June 2002	June 2003	June 2004
Withheld	504	634	714	626	569
Mixed	77	102	121	120	141
VT-only	640	849	1111	1227	1352
Worldwide	1410	1752	2161	2916	3749
	2631	3337	4107	4889	5811



Special Collections benefited tremendously when Digital Imaging stopped charging per image scanning fees in July 2003. The VT ImageBase grew with images from a variety of units, including 4,183 color images from University Relations (compared to 501 on 6/10/03). Patrons requested 569 TIFF copies.



In addition to scanning, Digital Imaging combines appropriate image files into user-friendly PDF publications. Our popular university yearbooks are now available at <http://spec.lib.vt.edu/archives/bugle/>, including 43 *Bugles* from 1900 to 1930 and some from 1940-1961. That's 13,743 individual page images!

The Bugle Archive



Welcome to the University Archives digitized version of Virginia Tech's yearbook, *The Bugle*. The *Bugle* was first published in 1895. Our archive represents two series of digitized *Bugles*. The earliest yearbooks (1895-1900) have each page presented separately. The later issues are available by year as PDF files. Decades linked represent the periods we have the *Bugle(s)* available in digitized form.

The Tin Horn

From 1925-1931, women students at Virginia Tech were not allowed to be part of *The Bugle*. Women students published their own yearbook named the Tin Horn. This yearbook was published for four years (1925, 1929, 1930 and 1931.) [For more information.....](#)

[1890s](#)

[1900s](#)

[1910s](#)

[1920s](#)

[1930s](#)

[1940s](#)

[1950s](#)

[1960s](#)

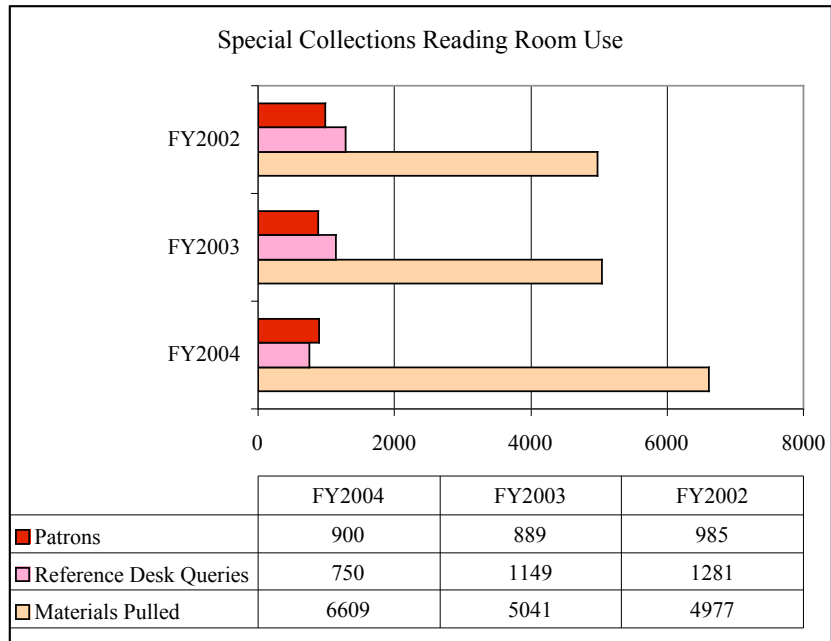
[1970s](#)

[1980s](#)

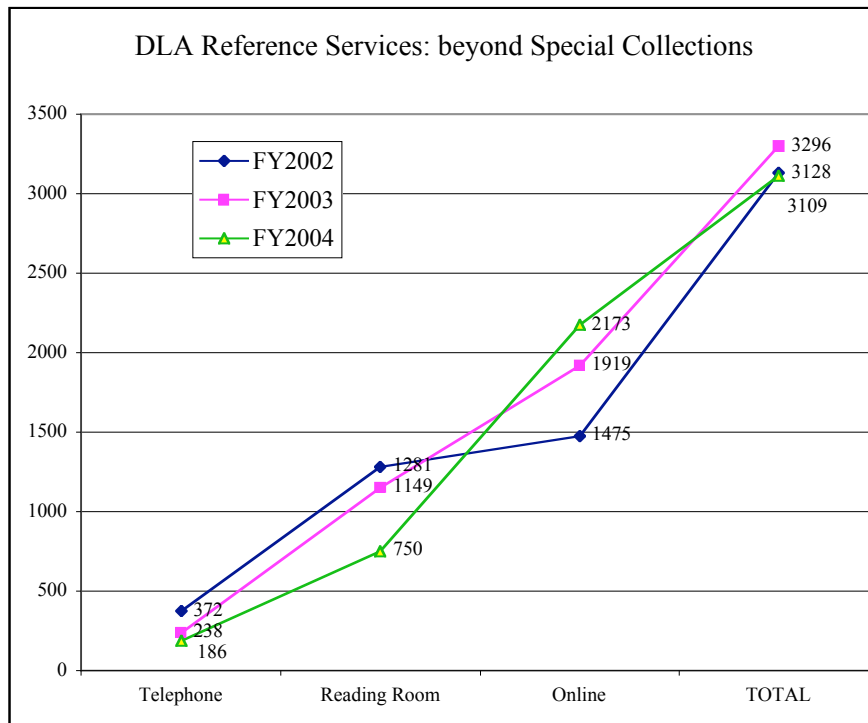
[1990s](#)

[2000s](#)

Patron use of the Special Collections Reading Room has remained steady over the last three years. However, they are using an increasing number of materials. In FY2002, on average, patrons requested 5 items each. In FY2004, each patron requested 7 items.



While Reading Room and telephone reference queries dropped considerably, online queries have more than made up this decline.



Goal 1 Collections

We will acquire, develop, and provide timely access to research-level information resources in support of research and scholarship at the university.

Obtain and maintain the financial resources necessary to acquire information resources in all formats sufficient to sustain a world-class research enterprise, especially in the university's areas of emphasis

Submit at least one major grant proposal to an appropriate federal or foundation agency for support to maximize access to special collections of the Digital Library and Archives

The library submitted two grant applications to the Library of Congress for its National Digital Information Infrastructure and Preservation Program: (1) Partnering with Emory, Auburn, Florida State University, and Georgia Tech, we requested total (3-year) funding of \$1,385,000 (VT: \$328,000) to create the Meta-Archive of Southern Cultural Heritage: A Preservation Network for Critical At-Risk Digital Content of Southern Culture and History. (2) With the University of Tennessee, VT requested \$1,067,353 (VT: \$514,000) for *ICAP: Informed Creation Aids Preservation*, which would have contributed to Dean DePauw's Transformative Graduate Education initiative. The library also submitted two preliminary requests for funding (\$60,000 each) to the Getty Grant Program and the Gladys Kriebel Delmas Foundation to support the IAWA's Eleanore Pettersen Collection.

Acquire, organize, and make available scholarly or scientific contributions originating at Virginia Tech

As an initial step in addressing one of the research goals in the university strategic plan (*Research 1.2.3 Establish an electronic university press*) identify university partners interested in collaborating with the Libraries in preparing a report on the current status of electronic presses in research universities.

With a real life situation at hand, representatives of the library (McMillan) and Information Systems (Anne Moore, Tom Head, John Moore, Shellie Fowler), and the Center for Digital Discourse and Culture (Tim Luke), communicated and met frequently to discuss assuming publication of *Technology Source*, which Michigan Virtual University planned to stop supporting. In our discussions we proposed assuming all the traditional publishing activities (e.g., editorial, marketing, etc.) and evolving this peer-reviewed ejournal into a multilingual publication with more research based articles as well as opinion and philosophical pieces. MVU ultimately decided to discontinue this journal altogether.

DLA repeated the epress survey of SCHEV and Top 30 institutions that was conducted in 2002 and found that nothing had changed in two years. [Since a community service student did most of the data collection, we're spot checking to verify the situation. GMc 6/22/4]

In response to a recommendation in the visiting team's *Report (May 6, 2002)* submitted as part of the Provost's review of the Libraries (Spring 2002) "develop a cohesive plan for acquiring and preserving digital primary resources" created by Virginia Tech scholars.

The Digital Image Repository Task Force reviewed four products currently on the market to manage and present online images. After perusing the literature, conferring with colleagues at other institutions, and testing four software packages, DIRTF recommended that the library purchase Luna Insight. In March DIRTF accepted the Dean's challenge to supplement her commitment of 50% funding with support from other deans. Dean Knox/ Architecture has agreed to cost-share, and DIRTF has met with Vet Med and has an appointment to meet with Engineering.

More information technology is coming for

- Teaching: digital materials for use in the classroom
- Scholarship: works will be created that are meant to be primarily online

Therefore, libraries will be well positioned by continually expanding their services and resources. However, I believe we should take up the mantra

Law of Convenience: let's give users what some would say is the impossible:

- Deep and reliable library collections
- that are
- easy to find on the web
- through
- sophisticated systems that are functionally complex and intelligent

The Law of Convenience would allow users to decide how much time to invest in search and retrieval.

LoC attributes are derived from "In Support of Long-Term Access" by Abby Smith in
Emerging Visions for Access in the Twenty-first Century,
Washington, DC: Council on Library and Information Resources, Aug. 2003.

Working in this direction through the library's Strategic Plan, my department, the Digital Library and Archives, will foster the Law of Convenience and expand the ways information technology (IT) supports teaching and scholarship at Virginia Tech, but of course this also means global access

DLA and the UL Strategic Plan

Goal 1: Collections. *DLA will improve them in various ways such as*

- *Financial support* from grants and donations, both: corporate and personal
- *Functionally*, for example when we collaborate with other university units to purchase a new and much improved image management and presentation system.
- *Administratively* as we research what will become infrastructure such as: learning object repositories

Goal 2: Services

- Publishing: journals meant to be online
- *Reduce compromises scholars make to fit their work onto paper*

Goal 3: Information Literacy

- **Copyright education** will continue to be important for use throughout our lives

Goal 4: Digital Preservation as well as conservation of special collections

- *Digital preservation: canNOT separate from access, make collections known*
- *Not just a library responsibility; university-wide responsibility*

Goal 5: Systems

- Upgrades constantly on our minds, such as the ImageBase >> Luna, ETD, DOR (digital object repository) research

Goal 6: Physical Spaces

- Renovations to Spec
 - Bring DLA staff and resources together
 - Integrate technology in the Reading Room for scholars and staff; multimedia resources and services

Goal 7: Staff

- Develop our skills so we can manage the new info resources: Information Literacy
- Cloning

The real heroes of the digital revolution in higher education are [library workers]; they are the people who have seen the farthest, done the most, accepted the hardest challenges, and demonstrated most clearly the benefits of digital information. In the process, they have turned their own field upside down and have revolutionized their own professional training. It is a testimony to their success that we take their achievement for granted.

"Why IT Has Not Paid Off as We Hoped (Yet)" in *EDUCAUSE review*, Nov./Dec. 2003: 43.
By UVa: Ed Ayers is Dean of the College and Graduate School of Arts and Sciences;
Charles Grisham is its Chief Technology Officer and Professor Chemistry

QUESTIONS:

What do you think about the law of convenience?

What can you do in your department to improve library resources and make them easier for users to find?

Accession Log (partial) for Special Collections 2003/04

Ms. No.	date of Accession	collection/donor	accession no.	Description	Size	condition	Preservation/General Notes
2003-014	6/10/03	Houck Civil War	2003-060	Photocopies of Hc	.1 lf	NO	Donated with suggestion ori
	6/12/03	James Dean Illust	2003-061	Ms materials	.2 cf	YES	Transferred from Smithsonia
94-034	6/16/03	Thomas Preston	2003-062	Letter from Pres	.1 lf	yes	Purchased. Add to John Pre
	6/18/03	Diana Balmori, La	2003-063	Landscape Archite	2 cf	NO	
97-003	6/24/03	Gottlieb, Lois/Milk	2003-064	9 of 9 Architectura	1 cf	yes	Add to Gottlieb unprocessed
94-021	6/24/03	Stonewall Jacksor	2003-065	Print #48/500 E	.3 cu	yes	Add to ms collection
97-066	6/25/03	Sigrid Rupp	2003-066	2 Watercolor paini	0.5	yes	enclosed in mylar, hope to fr
2000-014	6/25/03	Aulenti, Gay/Asian	2003-067	1 set computer de	.5 cf	yes	
2001-011	6/25/03	Gross, Al/Ethel Gr	2003-068	Addition to Gross	1 cf	yes	
	6/25/03	Col. James Wood	2003-069	digital image of Cr	.1 lf	yes	image is on loan only for prir
	6/25/03	textiles/Laury War	2003-070	blue t-shirt sil scre	0.25	yes	t-shirt made by VT student fc
2003-013	7/9/03	Sutton-Martin-Ma	2003-071	correspondence, €	.2 lf	no	Purchased (ca. 1990?)
	7/10/03	book: Patriot Boys	2003-072	1866	.1 lf	G	Civil War book, only 34 copik
	5/29/03	printing office/VT	2003-073	ephemera and VT	1 lf	yes	review, weed, integrate in R
	7/10/03	Whitethorne RR s	2003-074	3 copies of photo	.1 lf	yes	scan and add to University F
2001-011	8/14/03	Gross, Al, Ethel G	2003-075	award, articles (4)	.1 cf	yes	folder added to control folder
	7/30/03	Pettersen, Eleano	2003-076	Architectural Arch	500 cf	NO	
2003-014	9/22/03	Shreve, David Pre	2003-077	writings on CW ar	.1 lf	no	added to CW small ms. coll.
	9/23/03	Willis, Julie	2003-078	Women Architects	.1 cf	NO	Cataloged and added to boo
94-021	9/24/03	Robertson, James	2003-079	Stonewall Jacksor	.1 cf	yes	added to Robertson's papers
2003-016	9/25/03	Woodward, Barba	2003-080	California Architec	1.75 cf	no	
92-028	9/29/03	Rodeck, Melita	2003-081	Addition to Rodec	15 cf	yes	Location: Rm 2038
2003-014	10/1/03	Holcombe Family	2003-082	Civil War letters oi	0.1 cf	no	Donated through Robertson;
2002-045	10/7/03	Gayer, Diane Ellio	2003-083	Groundswell, a Ve	.1 cf	yes	Addition to Ms2002-045
90-016	10/7/03	Torre, Susana	2003-084	Published materia	.2 cf	yes	Addition to Ms90-016. Includ
2001-004	10/7/03	Hertzler, Ann	2003-085	Five large binders	1.5 cf	yes	Location: AR/7/A2
	10/13/03	Center for Nutritio	2003-086	monographs and	0.5 cf	no	add to VPI pubs--catalog; ex
Ms2003-020	10/20/03	Shepherd, Harvey	2003-087	scrapbook docum	0.4	no	catalog as ms. Collection; sc
Ms2003-022	10/31/03	Edgemont Farm/F	2003-088	8 farm books, corr	2 cu.ft.	no	catalog as ms. Collection
Ms2002-051	11/3/03	Anna Sokolina	2003-089	Several Russian	2 cu.ft.	yes	Addition to Ms 2002-051
Ms90-016	11/4/03	Susana Torre	2003-090	Issue of AAA, one	.5 cu.ft.	yes	Addition to Ms90-016. Includ
Ms2003-021	10/28/03	Sheet Music Colle	2003-091	Sheet music pre-Civil War	1.5 cu.ft.	no	In Jane's office being proces
Ms2003-023	10/28/03	University Slide C	2003-092	Slides taken by ur	6.5 cu ft	ongoing	In Jane's office being proces
	11/5/03	Marvin, George	2003-093	scrapbook with ph	1.5 cf	no	In digital imaging
Ms2003-024	11/7/03	Lucy Minogue Ro	2003-094	approx 34 letters t	0.2	no	catalog as Ms. Collection
	11/12/03	VA Association of	2003-095	Records and pubs	4.5 cf	no	donated by Irene Leech; adc
Ms1993-025	11/12/03	Appalachain Oral	2003-096	oral history interv	1 cu. ft.	no	catalog as ms. Collection
Ms2003-025	11/12/03	James F. Johnsor	2003-097	speeches made b	0.5 cu ft	no	catalog as ms. Collection
Ms2003-026	11/13/03	VAMC Oath of Off	2003-098	VAMC B-o-V swor	0.1cf	no	catalog as ms. Colleciton
	11/17/03	Books/Hugo Neut	2003-099	3 titles/5 vols.		no	catalog
Ms2003-014	11/19/03	Bailey UDC applic	2003-100	UDC application fr	0.1 cf	no	donated; added to CW small
Ms2003-014	11/19/03	Confederate curre	2003-101	2 Confederate not	0.1 cf	no	donated; added to CW small
Ms2003-014	11/19/03	Evans, Washingto	2003-102	photocopies of let	0.1 cf	no	donated; added to CW small
Ms2003-014	11/20/03	Compton, Jno R. I	2003-103	198th Virginia Mili	0.1 cf	no	purchased from Ken Farmer
Ms2003-014	11/20/03	Babcock, H. O. di	2003-104	Diary of Connectic	0.1 cf	no	purchased (from Valentino?)
Ms94-021	11/21/03	Robertson, James	2003-105	Misc. CW material	2.0 cf	yes	to be added to Robertson's c
Ms88-080	11/24/03	Organization of W	2003-106	records of Organiz	6.5 cf	yes	to be added to OWA, Ms88-l
Ms2003-014	12/3/03	Garrett, Samuel E	2003-107	CW letters (photo	0.1 cf	no	donated through Robertson,
Ms2003-014	12/3/03	Briggs, Marian let	2003-108	CW letter	0.1 cf	no	purchased. Added to CW sr
	12/3/03	Campbell, Donald	2003-109	CW letter	0.1 cf	no	purchased. Added to CW sr
	12/3/03	Audubon, John J.	2003-110	two portraits; one print		no	transferred from VT Museum
	12/8/03	VT Research and	2003-111	misc. pubs, clippir	0.4 cf	yes	weed and integrate into RGs
	1/7/04	Leonard Currie	2004-001	architectural draw	6 cf	no	.2 cf (one folder) of drawings
Ms2003-014	1/12/04	Charlton Family le	2004-002	CW letter (photocr	.1 cf	no	donated through Jack Davis;
Ms2003-014	1/22/04	C. F. W. Walther	2004-003	Transcripts of CW	.1 cf	no	donated through Robertson;

Ms2003-014	1/22/04 Carl Hayes ms. / \ 2004-004	"Neighbor Against .1 cf	\r no	donated through Robertson;
	1/28/04 Greg Roseberry b 2004-005	Two genealogy bc .2 cf	r no	cataloged for Spec Gen bool
Ms2003-015	1/29/04 Lilia Sofer Skala E 2004-006	architectural draw .2 cf	n yes	addition to Ms2003-015; dra
Ms2003-014	1/30/04 John Hilton paper: 2004-007	Photocopies of pa .1 cf	\r no	donated through Robertson;
Ms96-007	1/30/04 Maria Aubock Arc 2004-008	Photocopies of ori .1 cf	n yes	addition to Ms96-007; donat
	2/4/04 Thomas David Pe 2004-009	Papers and resea 5 cf	n yes	addition to previous accessi
Ms2004-002	2/5/04 Pocahontas Mine: 2004-010	survey books, flat 900 cf	jm	150 cf of survey books (Stor
	2/18/04 John F. Crosby P: 2004-011	research papers fr 3 cf	\r no	
	2/19/04 Aerospace books/ 2004-012	6 books published .1 cf	er no	to be cataloged and added to
Ms2004-003	2/25/04 Florence Knoll Ba: 2004-013	Article about Bass .1cf	n no	donated by Donna Dunay; a
Ms2004-003	2/25/04 UIFA Japan 2004-014	2 copies of June 2 .1 cf	n no	donated by Matsukawa Junk
Ms2002-051	2/25/04 Anna Sokolina 2004-015	copies of posters 1.1 cf	n yes	donated by Marcia Feuerstei
Ms2004-003	2/26/04 Aysun Ozkose 2004-016	CV and copies of .1 cf	n no	added to IAWA small collecti
Ms2003-014	3/9/04 Mickey Fitting/CW 2004-017	Typescript ms. "Ti .1 cf	\r no	donated through Betty Spilln
	3/3/04 McBryde Family a 2004-018	photocopies and c .2 cf	\t no	integrate in exiting biographi
	3/10/04 Andy Swiger Pap: 2004-019	correspondence, r 1 cf	st no	weed and organize as ms. C
	3/12/04 course CD, Steph 2004-020	"Clinical Applicati 1 cd	\t no	catalog
	3/15/04 James Craig Tayl: 2004-021	photocopies of ob .1 cf	\t no	organize as biographical folc
	3/19/04 University relation 2004-022	university relation: 1 lf	\t yes	J. Talbot marked some slide
Ms97-016	3/23/04 League of Womer 2004-023	video tapes, recor 3 cf	jn yes	addition to Ms97-016
	3/24/04 Laddie Fisher/Lan: 2004-024	unpublished biogr. .5 cf	\t no	typescript; could be catalo
Ms2003-014	3/24/04 Mary F. Armistead 2004-025	typescript Civil Wa: .1 cf	\jj no	donated through Robertson;
	3/24/04 Walter H. Beal/Dr. 2004-026	military service rer 3 cf	\t no	original 3 cf weeded to 1.5 a
Ms2000-019	3/24/04 Audrey Brians 2004-027	copy of book, In S .1 cf	n yes	donated through Milka Blizn:
	3/24/04 Women in Archite 2004-028	email prinouts of r .1 cf	n yes	addition to unprocessed coll
Ms91-057	3/24/04 Silvia Paun 2004-029	copy of posthumo .1 cf	n yes	donated through Milka Blizn:
	3/24/04 Various IAWA/Mill 2004-030	postcard, announc .1 cf	n yes	postcard added to Doris Col
Ms2001-021	3/24/04 Carmen Espejel / 2004-031	graphic dossier ar .2 cf	n yes	donated through Milka Blizn:
Ms2003-014	3/26/04 Charles Francis Jr 2004-032	typescript Civil Wa: .1 cf	\jj no	donated through Robertson;
Ms2004-005	3/26/04 Warren Strother/L 2004-033	papers; VT pubs; 6cf	\t yes	weed publications; attempt fr
Ms2001-049	3/29/04 Anne Tyng 2004-034	copies of articles, .3 cu	n yes	donated through Marcia Feu
	4/15/04 books / Hugo Neu 2004-035	Century Dictionary 1.5 cf	jj no	duplicates of title already hel
	4/16/04 culinary artifacts / 2004-036	sewing box, mold, 1.5 cf	ij yes	add to Ms 2001-004
	4/27/04 Lelia Reitzel Vand 2004-037	letters (some C.W. 2cf	\r no	donated by Pam and John S
	4/28/04 Brett Blackwell 2004-038	26x32 framed print of portra	\r no	donated through JIR to CFC
	5/3/04 Reardon letters/C: 2004-039	approx. 121 CW l: 1.0 cf	\r no	donated through JIR to CFC
	5/5/04 Dana R. Spencer 2004-040	2 v. bound volume ?	\r no	donated by author
	5/5/04 Ball invitations / B: 2004-041	3 invitations to bal 0.1 cf	\jj no	
	5/5/04 J. L. Radford VAN 2004-042	2 reports, dated 1: 0.1 cf	\jj no	
	5/5/04 Richards-Woody f 2004-043	Photcopies of pap 0.1 cf	\jj no	donated through Robertson
	5/6/04 James F. Wilson 2004-044	1 book - Letters of ?	\r no	donated by editor
	5/6/04 Mabel Lucas 2004-045	4 magazines, 3 cc 0.5	ir no	donated by Deloris Pourchot
	5/7/04 Bryce A. Suderow 2004-046	3 papers on Lee's 0.1 cf	\jj no	donated through Robertson
	5/7/04 U. S. v \$28,000 - r 2004-047	Photocopies of pa 0.1 cf	\jj no	
	5/7/04 Hanks, Orlando T. 2004-048	Photocopies of H: 0.1 cf	\jj no	
Ms95-015	5/7/04 DiCarlo, Guy Jr. C 2004-049	15 audiocassettes 0.2 cf	\jj yes	donated through Robertson
	<i>Through a Fair La</i> 2004-050	CD-ROM publicati 0.1 cf	\jj no	Cataloged and added to boo
	5/7/04 Adin Underwood F 2004-051	Photocopies of let 0.1 cf	\jj no	donated through Robertson
	5/10/04 Hugo A. Neuburg 2004-052	New York Times: ' 0.1 cf	jj no	
	5/10/04 Norfolk Southern I 2004-053	Route between Nr 0.1 cf	\jj no	
	5/10/04 genealogy books / 2004-054	<i>The Woodings of</i> 0.1 cf	\jj no	
	5/10/04 B. H. Johnson jou 2004-055	CW-era journal of 0.1 cf	\jj no	
	John R. Cason, Lt 2004-056	Diary of imprisonn 0.1 cf	\r no	Purchased through auction t
	5/13/04 Conquistadors at : 2004-057	Offset printing fror 0.1 cf	\jj no	
	5/14/04 Pulaski Theatre O 2004-058	13 oral history inte 0.4 cu. ft	\t no	Dr. Allen will e-mail interview
add to Ms99-00	5/17/04 Dept. of Plant Pati 2004-059	CD and paper cop: 0.25 cu. ft.	\t yes	add to web site when practic
	5/17/04 VT commencement 2004-060	1922 leather comr 0.1 cu.ft.	\t k	cover in excellent condition
	5/17/04 University relation 2004-061	Slides taken by ur 0.4 cu ft.	\t yes	arrange and describe; digitize

Ms2004-005	5/17/04 Burchard material	2004-062	materials relating	1.1 cu ft.	't yes	Burchard may be appropriat
	5/17/04 class ring material	2004-063	class ring premier	1 cu ft.	't yes	integrate into existing collect
	5/17/04 Women's Network	2004-064	records from Wor	2 cu ft	't yes	integrate into existing collect
	5/17/04 VT ephemera	VT 2004-065	VT pubs and eph	1 cu. ft.	't yes	weed and add to RGs or cat
add to Ms85-00	5/24/04 Marshall Fishwick	2004-066	monographs;scra	1 cu ft.	't yes	catalog or return monograph
	5/26/04 Marshall Fishwick	2004-067	monographs	1 cu. ft.	't yes	monographs; weed and retu
Ms2004-006	6/2/04 Marcus L. Oliver F	2004-068	papers, 1956-68 r	0.25 cu ft.	't no	photocopy acid papers

2004-072_dicarlo
 2004-073_billings
 2004-074_lain
 2004-075_moss
 2004-076_sclater
 2004-077_us colored troops
 2004-078_hawkins
 2004-079_chaille
 2004-080_reynolds
 2004-081_topo. map

Special Collections Manuscripts Processing July - May 2003/04

cu. ft.

- 0.5 Angle, L. C.
- 1.25 Appalachian Oral History (reg)
 - 2 Balmori (IAWA)
- 0.8 Biochemistry, Dept. of, Oral History Collection (VT)
- 0.4 Blacksburg Post Office Record Books (reg)
 - 7 Blacksburg Woman's Club (reg)
- 1.2 Buckhorn Coal Company (reg)
 - 3 Carneal and Johnston Architectural Drawings (reg)
- 4.2 Cassell (reg)
 - 18 Collins, Michael. (AAEA)
- 2.5 Collins, Michael. James Dean (AAEA)
- 0.5 Croy (reg)
 - 2 Duncombe (IAWA)
 - 1 Edgemont Farm (reg)
- 0.2 Espegel Alonso (IAWA) (of .5 cu ft)
 - 5 Gottlieb (IAWA) (of 17 cu ft)
- 0.5 Gray (reg)
- 0.1 Hardin Jr. (reg.)
 - 10 Hastings (IAWA)
- 1.2 Hoge (reg)
- 132 Hotel Roanoke (780 kept from 1600) (reg)
- 0.4 Hussey, Robert. (VT)
- 9.5 Jansone (IAWA)
- 0.1 Johnson, James (VT)
- 0.2 Mingoue Rowland (VT)
 - 1 Montgomery Co. Bicentennial Committee (reg)
 - 1.2 Montgomery Co. Historical Sites Survey (reg)
- 0.5 Montgomery Film Society (reg)
 - 2 Mullens (RR)
- 98.5 Pettersen (of 365 cu ft) (IAWA)
 - 0.1 Pittenger (CW)
- 100 Pocahontas Mines Collection (f 900 cu ft)
- 0.7 Price, Anne Hayden (reg)
- 0.3 Roanoke Railway (reg, RR)
- 0.5 Shepherd, Harvey E. (VT)
- 1.5 Skala (IAWA)
- 0.2 Sutton-Martin-Mason (reg)
- 0.5 Theater Scrapbooks
 - 3 Torre (IAWA) (of 10 cu ft addition)
- 3.4 United Daughters of the Confederacy (reg)
- 0.1 VAMC Board of Visitor (VT)
- 0.4 VT Rescue Squad (reg)
 - 45 Wilson (IAWA) (of 80 cu ft)
- 1.75 Woodward (IAWA)
 - 0.7 Yates (reg)
 - 0.7 Young (reg)
 - 4 Zimble (IAWA)

469.8 cubic feet newly processed manuscript materials

cu. ft.

- Civil War—
- 1 *small collectons*
- Babcock
- Bailey
- Baker
- Briggs
- Campbell
- Charlton
- Charlton
- Compton
- Currency
- Duncan
- Evans
- Garrett
- Hart
- Hayes
- Hayes
- Hilton
- Hilton
- Holcombe
- Houck
- McKinnis
- Poetry
- Prillman
- Shreve
- Turner
- Walther
- Walther

key	
AAEE	Aerospace
CW	Civil War
IAWA	IAWA
reg	regional/local
RR	railroad
VT	Virginia Tech

Democratizing Access to Archives

Developing the Digital Library for the South Atlantic Humanities Center

Executive Summary

Virginia Tech Digital Library and Archives is using the Internet to provide researchers user-centric access to the historical collections of archives of the south Atlantic region. Funding from ASPIRES has removed the technical and human resources obstacles to build a federated search system that will serve researchers worldwide. We have researched, designed, and prototyped the federated search and archival finding aid presentation system available at <http://aspires.lib.vt.edu/>, and have created the “Arcade” generic middleware component that is ready for beta testing. The resulting architecture, retrieval system, and protocol will soon benefit humanities researchers through virtually integrated online collections.

ASPIRES has given Virginia Tech Digital Library and Archives a competitive advantage and enhanced its reputation as a leader in computing for the humanities and digital library technology. As a result, students and researchers will have increased and more usable access to archives. Library and archives staff will reduce time and frustration dealing with current EAD tools. Partner institutions will receive software that will leverage their collections beyond the confines of their own institutions.

Goals and Strategic Objectives

“Scholars ... encounter difficulties in accessing the rich collections that exist in numerous private, public, governmental, and corporate archives in the five states and two territories comprising [the South Atlantic] region.” – *original proposal text*

Promoting humanities research and to meet educational needs, Virginia Tech Digital Library and Archives (VT-DLA) is pioneering new Internet technologies that will permit researchers throughout the world to access and search the combined contents of the south Atlantic archives. This digital library initiative involves the creation of (1) digital preservation and publishing software, (2) a federated (distributed) search engine, (3) authoring tools, and (4) an inter-archive Internet protocol that makes researching the archival guides held at many different institutions possible for the first time. The heterogeneous nature of non-book collections plagues the construction of search tools, but the open standards strategy (XML, EAD, etc.) of this initiative will unite the various data types into a homogeneous, searchable, and usable corpus. Distributing the maintenance responsibility for the collection also disperses financial responsibilities and affords all participating sites the flexibility to store and present its materials as they see fit.

The testbed for this software and federated collection is the South Atlantic Humanities Center (SAHC) Digital Library, which combined has hundreds of finding aids for thousands of cubic feet of archives stored in Virginia, North Carolina, South Carolina, Georgia, Florida, Puerto Rico, and U.S. Virgin Islands. Scholars worldwide will have new access to these materials, participating institutions will receive state-of-the-art digital library software, and Virginia Tech Digital Library and Archives will reinforce its leadership in developing and applying Internet technologies to research and education.

VT-DLA has already made significant progress toward achieving its goals. A prototype federated search server is now available (<http://aspires.lib.vt.edu/>) that provides a full-text index of 79 EAD finding

aids from the Virginia Tech Special Collections. The middleware for the federated search server, called “Arcade,” is ready for beta testing at SAHC participating institutions. A prototype publishing system for EADs is also available. We have written several training materials (Appendix A) to aid the understanding of the EAD standard. We are currently preparing survey instruments for external reviewers to evaluate site utility. Additionally, we are planning the Electronic Archive Data Modeling summit, currently scheduled for spring 2004, at which we will demonstrate the system prototypes that will incorporate the external reviewers’ input, collect feedback from on-site users and focus groups, and work with the experts in attendance to finalize the deployment of the Arcade software to participating SAHC institutions.

Obstacles Removed

ASPIRES made it possible for Virginia Tech Digital Library and Archives to design, develop, and deliver the software necessary to bring this ambitious undertaking to fruition. Primarily this funding provided dedicated technical infrastructure and human resources necessary. Prior to ASPIRES' funding, VT-DLA was operating at full capacity with its Electronic Thesis and Dissertation (ETD), Imagebase, archival preservation, and faculty support initiatives. However, with the added ASPIRES funding, VT-DLA purchased a 30-gigabyte Linux server (aspires.lib.vt.edu) dedicated to hosting its south Atlantic electronic metadata and finding aids adhering to the national standard, Encoded Archival Description (EAD). ASPIRES also enabled VT-DLA to retain Neill A. Kipp, a Sigma Xi researcher and professional software architect with experience in application design and development, digital library technologies, and usability engineering.

Secondly, because of the added resource, the director and staff members of VT-DLA are now able to see farther ahead and plan new efforts to ensure Virginia Tech's continued leadership in computing for the humanities.

Thirdly, after a number of archives have adopted the ASPIRES-funded software, researchers will be able to do broad historical studies that were never before imaginable, possible, or affordable. They will reveal new insights about our past and be able to tie events together because of the detailed finding aids that the results of this project can provide them.

Therefore, the ASPIRES award has removed obstacles—to the infrastructure and staff of DLA, to the director of DLA, and eventually to scholars everywhere.

Activities Made Possible

Research. EAD is a robust and useful standard for encoding archival metadata. However, EAD it is complex and therefore has not been successfully adopted broadly. Our usability analysis of EAD and its associated publishing tools yielded an insight into how EAD elements could be documented and how EAD documents could be published for the target researcher to provide a system useful and usable with a nonthreatening presentation of technology in a humanities milieu. The result is a tab-based interface for the EAD document that replaces the tree-based left navigation common at other sites.

Design. Following system architecture analysis, we created a generic “Arcade” digital archive system for indexing and presenting archival metadata. The Arcade system includes a federated searching component built on the industry-leading Web services architecture--an open, standards-based architecture popularized and promoted by HP, Microsoft, Sun Microsystems, the Worldwide Web Consortium, and others. The Arcade middleware also has an intuitive relevance ranking metric that does not depend on the term frequency within the entire federated collection, nor the state of the collection at the local site.

Prototype. The system—as it is currently prototyped—is available for review at <http://aspires.lib.vt.edu/>. The source code (footprint) for the prototype is a very efficient 60 kilobytes and the full-text index (database) is a very compact 600 kilobytes for 79 documents.

Three major activities remain: external review by regional and EAD experts, the summit, and the distribution of the software to the participant sites. We don’t anticipate any problems and are excited to continue this work.

Scholarship Growth

Architecture. The federated search architecture is the first of its kind and the Arcade system, with its reusable middleware is the first digital library system ever demonstrated that follows this distributed architecture.

Retrieval systems. The Web has always provided separate page presentation systems, relying on Google and other centralized search engines to integrate the content to make the Web easier to use. We have prototyped a distributed search system that could revolutionize the way multiple digital libraries can make their contents easier to use. Also, relevance ranking across federated archives has not been explored fully—and never in the humanities. This project will allow digital library researchers to test Arcade's relevance ranking algorithm and postulate new ones based on their results.

Protocol. The Arcade system includes a protocol for the fastest and most robust inter-archive communication possible, which will be useful for digital libraries and archives anywhere on the Internet.

Competitive Advantage

Virginia Tech Digital Library and Archives should receive a significant boost in competitiveness with the distribution of the software and conference presentations and journal publications that may result. Possible venues include ACM/IEEE Joint Conference on Digital Libraries (JCDL 2004), *American Archivist*, and *DLib Magazine*.

The most notable competitive advantage is in providing a record of success for future grants. Currently in draft with others in the south Atlantic is the Library of Congress call for the National Digital Information Infrastructure and Preservation Program. Other potential funding agencies include Department of Education (FIPSE) and National Science Foundation (for digital libraries)

Future Benefits

Logical extensions of this work will benefit numerous constituencies, including student and professional researchers who will have increased access to user-friendly archives and digital libraries for integrated studies never before possible or feasible.

Library, archive, and museum staff will benefit from a simplified and usable EAD standard and supporting toolsets that will reduce their time and frustration recording and publishing metadata. Having a critical mass of online finding aids will renew interest in historical study in ways that we cannot foresee.

Similarly, our partner institutions in the south Atlantic and beyond can receive, encode, and publish a critical mass of materials available to the federated search system without an otherwise prohibitive resource allocation. Less history will be lost and scholarship can grow as a result.

Appendix A: Links

- Main site: <http://aspire.lib.vt.edu/>
- Sample query results: <http://aspire.lib.vt.edu/cgi-bin/getResults.cgi?q=railroad>
- EAD element cross reference: <http://aspire.lib.vt.edu/doc/eadCrossReference.htm>
- EAD elements by publishing type: <http://aspire.lib.vt.edu/doc/elementsByType.htm>
- EAD DTD decomposed (tag name documentation): <http://aspire.lib.vt.edu/doc/eaddtd.htm>

Appendix B: Budget

ASPIRES 232513 Expenditures as of Oct. 31, 2002: \$25,342.47

Personnel	\$17,896.88
Equipment	6,946.80
Software, Supplies	498.79

ASPIRES Small-Grant Program: Final Programmatic and Budget Report

Women with T-Squares Tracing Forgotten Architects and Design Professionals

The 2003 ASPIRES Small-Grant funded

1. Over 1500 hours of research leading to significantly increasing the number of women from the South Atlantic in the IAWA Biographical Database
2. Over 500 hours of programming to improve the functionality and architecture of the Database
3. Participation in two national conferences

Without ASPIRES funding

- Virginia Tech would not have contributed to fulfilling its commitment to the NEH-funded South Atlantic Humanities Center Digital Library.
- The International Archive of Women in Architecture would not be the most important single source of information about women in the South Atlantic region.
- Virginia Tech would not have drawn the attention of the other regional humanities centers for its commitment to gathering, preserving, and making accessible the historical records of women in architecture and related design fields.

This special funding resulted in 181 additional women representing the South Atlantic in the International Archive of Women in Architecture Biographical Database. There were just 24 women in the Database prior to the grant. The Database is also easier for researchers to use due to programming improvements as well as design enhancements. Programming changes made the data more easily entered, indexed, and searched in the database, also brought the database into compliance with national standards for interoperability.

Research: Uncovering Women in Architecture in the South Atlantic

It was not possible to follow the original plan to hire one graduate student to work 1500 hours at \$10 throughout the year. In spite of my working with several CAUS faculty, none were available. I hired several undergraduates and reassigned two part-time DLA wage staff who worked during the 2003 summer. The undergraduates were paid \$8 an hour, while the wage staff earned \$10.50 and \$11.50 and assisted with training, supervising, and had more extensive research assignments. All conducted research and entered information into biographical database. In all, they worked 1254 hours, adding 182 women from the South Atlantic, at a cost of \$12,449.

While the wage hires were very computer-research oriented, my research focused heavily on uncovering historical women working in architecture and its related fields. My research included historic preservationists who documented the influence of women on design. I also researched regional women who were active in the Better Homes movement, thereby extending the information about their early influence on urban planning not previously available through the IAWA Biographical Database. In addition to using locally available resources, I also conducted research at the Fine Arts Library at UVa at the Savannah School of Design, and the American Institute of Architects when I was in these locals for various meetings and presentations. These trips were charged to the ASPIRES grant.

With matching library funds, I purchased a Powerbook G4 with a 15" monitor and power adapter, totaling \$2160. I also spent \$324 to purchase appropriate software (MS Office, Acrobat) and one publication,

Minority and Women Doctoral Directory (LD2386 M56 2002). The researchers used the laptop while working at the Art/Architecture Library.

Programming: Improving the IAWA Biographical Database

A Computer Science graduate student programmer required almost twice as many hours to make the necessary changes and improvements to the IAWA Biographical Database, working 576 hours at \$12.85 an hour (\$7040). As a result, data is more easily entered, indexed, and searched, and it is more user-friendly for staff and researchers alike. It also conforms to national standards and is adaptable to other special collections.

Programming improvements to the website user interface include:

- Searches takes one-fourth of the time it took prior to the ASPIRES funded programming.
- More complex searches are now possible.
- Tabs enable topical browsing within a women's record
- Improved data entry for staff
- IAWA colors, red and white, adopted to display all information

Programming improvements to the architecture of the database:

- Upgraded to current versions of PHP and MySQL
- Redundancy removed by eliminating data tables
- Classes added to code to enable generalization and object oriented programming
- Added reviewer information and comments for internal auditing
- Dynamic generation of country, profession, and US reports for internal auditing

Presentations

Prior to completing my research, I was invited to make a presentation about my project at the Association of College and Research Libraries biannual conference in Charlotte, North Carolina. ASPIRES funded one-fourth of the expenses, \$158, and the library's Travel and Research Committee (TREC) covered the remaining three-fourths, \$427.

“Excited About Research: Tracing Forgotten Architects and Design Professionals,” 11th National Conference of the Association of College and Research Libraries: *Learning to Make a Difference*. Charlotte, NC, April 11, 2003.

<http://scholar.lib.vt.edu/presentations/IAWA4ACRL.pdf>

In November 2003 I participated in the first Regionalism in the Humanities conference at the University of Nebraska. This was the inaugural conference for the NEH-funded regional centers and I was one of seven invited speakers representing the South Atlantic Regional Humanities Center, one of three representing Virginia Tech. My presentation included slide illustrations of seven recovered women and their designs. ASPIRES funded one-fourth of the expenses, \$243; and TREC funded three-fourths, \$672.

“Women with T-Squares: Developing a Regional Perspective,” Consortium of Regional Humanities Centers: *Regionalism and the Humanities*. University of Nebraska, Nov. 20, 2003.

<http://scholar.lib.vt.edu/presentations/RegHumPresent.pdf>

Participating in Regionalism in the Humanities also gave me the opportunity to inform a national audience about Virginia Tech's International Archive of Women in Architecture and to encourage each center to gather the work of women in architecture and related design professions in their regions.

Last winter Virginia Tech hosted a lecture series open to the university and advertised in *Spectrum*. It featured to each representative to the Lincoln conference from the South Atlantic Humanities Center (Dr. Sally Johnson, Dr. Michael Saffle, and myself) and the SAHC director, Dr. Pablo Davis. I gave the first lecture on Feb. 13, 2004.

Publications

The fall 2003 *IAWA Newsletter* (p. 7) carried a brief article about the ASPIRES grant and research goals. The fall 2004 *Newsletter* will publish "A Regional Perspective on Women with T-Squares," a report on five particular women added to the IAWA Biographical Database. (<http://spec.lib.vt.edu/IAWA/news/>)

At the Regionalism in the Humanities conference, I met the editor of the *Encyclopedia of Southern Culture*, Dr. William Ferris. He encouraged me to send information about my discoveries for inclusion in the next and online editions of the *Encyclopedia*.

National Endowment for the Humanities Grant

Jennifer Meehan, DLA Manuscripts Archivist, and I will meet the July 15, 2004; deadline to submit an NEH Preservation and Access grant. "20th Century American Women in Architecture" requests \$250,000 to process nine collections in the IAWA, including several women who worked in the South Atlantic Region. We are requesting two-year funding to support Meehan, two graduate student assistants, and Digital Imaging staff. In addition, we are requesting funding for preservation supplies for the approximately 500 cubic feet of materials in these collections and equipment to store 2800 digital images for Information Systems.

Before we know if our NEH grant application is successful, we will use the work done preparing that grant to meet the October 15, 2004, deadline for a National Historic Publications and Records Commission grant. Among the necessary modifications will be eliminating the digitizing, which NHPRC does not fund.

Researching, coordinating, and supervising consumed more than the two-hours-weekly (5%) of my time that was promised in the grant application. The DLA Technical Director also devoted some of her time to improving the design of the IAWA website, including the Biographical Database.