College Academic and Historical Experience at Kalamazoo College

Heidi Butler, Kathryn Lightcap, and Stacy Nowicki

Michigan Library Association Annual Meeting
Kalamazoo, MI, 22 October 2008
Kalamazoo College — Community Home

CACHE is a Digital Archive that captures, preserves, and distributes historical materials and scholarly work created by our faculty, staff, and students.

Collections in this community

- Kalamazoo College Digital Archive Documents [5]
  - Policies, forms, and procedures for using DSpace at Kalamazoo College
- Kalamazoo College Sandbox [5]
  - This is a test collection for Kalamazoo College

Sub-communities within this community

- Kalamazoo College 175th Anniversary [21]
  - Documents and media from the college’s 175th anniversary, 2008-2009.
- Kalamazoo College A.M. Todd Rare Book Room [5]
  - The Rare Book collection at Kalamazoo College began in the 1920's with gifts from the library of Albert May Todd, a prominent Kalamazoo citizen and an internationally known book collector.
- Kalamazoo College Archives [146]
What is an Institutional Repository?

• Digital access and storage of student and faculty work

• Accessible archive of college history and documents
What is NITLE?

• National Institute for Technology and Liberal Education (2001)

• Support from Mellon Foundation

• Collaborations among faculty, IT, and librarians
NITLE DSpace

- Request for Proposals: Longsight Group
  - Recommends DSpace

- Implemented in January 2007
  - Wrote policy documents, played with system

- 20+ Colleges
Why DSpace?

- Open Source
- Sustainable
- Bonuses
- Flexible enough for consortial use
- Control
DSpace Structure

• Communities
  • Can include Collections or more Communities
  • E.g. Department of Biology

• Collections
  • Where the stuff lives
  • E.g. Biology Student Theses
  • E.g. Biology Student Presentations
Communities

- **Kalamazoo College Archives [146]**
  Collections from the Kalamazoo College Archives, including historical documents, photographs, audio, video, and more

- **Kalamazoo College Center for International Programs [7]**
  Materials from the Center for International Programs (CIP) dealing with Study Abroad, including Investigative Cultural Research Projects (ICRPs)

- **Kalamazoo College Department of Anthropology and Sociology [65]**
  Documents from the Kalamazoo College Anthropology and Sociology Department

- **Kalamazoo College Department of Art [1]**
  Documents from the Kalamazoo College Art Department

- **Kalamazoo College Department of Biology [129]**
  Documents from the Kalamazoo College Biology Department

- **Kalamazoo College Department of Chemistry [112]**
  Documents from the Kalamazoo College Chemistry Department

- **Kalamazoo College Department of Economics and Business [5]**
  Documents from the Kalamazoo College Economics and Business Department
Collections

Collections in this community

- **Kalamazoo College Alumni Directories** [3]
  - Digitized versions of published college alumni directories.

- **Kalamazoo College Alumni Magazine** [34]
  - Kalamazoo College alumni magazines published under various titles

- **Kalamazoo College Catalogs** [21]
  - This collection includes the official academic catalogs of Kalamazoo College

- **Kalamazoo College Histories** [7]
  - Published histories of Kalamazoo College
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<thead>
<tr>
<th>Issue Date</th>
<th>Title</th>
<th>Communities</th>
<th>Author(s)</th>
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<td>Centennial History of Kalamazoo College: 1833 - 1933</td>
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<td>Goodsell, Charles True; Dunbar, Willis Frederick, 1902-1970; Chen, Wen Chao, Dr.</td>
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<td>Emancipated Spirits: Portraits of Kalamazoo College Women</td>
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<td>Griffin, Gail B., Dr.; Csete, Josephine; Moerdyk, Ruth Ann; Limer, Cheryl</td>
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<td>Kalamazoo College: A Sesquicentennial Portrait</td>
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<td>On Such a Full Sea: Kalamazoo College Reaching 150 Years</td>
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Title: A Fellowship in Learning: Kalamazoo College, 1833-2008
Authors: Francis, Marlene Crandell
Issue Date: 1-Jan-2008
Publisher: Kalamazoo, Mich.: Kalamazoo College, 2008
Abstract: From the preface: "Several key elements have shaped the fellowship in learning that is Kalamazoo College: its liberal Baptist heritage, its location in the community of Kalamazoo, and its goal of excellence in liberal education. The College was founded by Baptists to serve the religious and educational needs of the frontier. These Baptists believed in what Roger Williams, founder of the Baptist faith in America, called "soul liberty," the freedom of individuals to ascertain moral truths for themselves through biblical study and education. Liberal Baptist faith in theological, political, and intellectual freedom undergirded the open-minded search for truth that very early made the College a community of learners. Its location in the city of Kalamazoo also influenced the nature of the College. Local leaders helped establish the College and have provided crucial support at key points in its history. The College has benefited the community by providing educational opportunities and cultural activities, and by engaging its students and staff members in public service to the town's schools and government. Blessed in its early years by unusually strong academic leadership, Kalamazoo College soon acquired a reputation for educational innovation and excellence. As early as the mid-nineteenth century, Kalamazoo students and teachers were engaged in their own fellowship in learning, a mutual pursuit of excellence in knowledge and in the development of moral values and character."
Description: 431 p. : ill., port., maps ; 27 cm
Includes bibliographical references and index
URI: http://hdl.handle.net/10090/5583
Appears in Collections: Kalamazoo College Histories

Files in This Item:

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<th>Format</th>
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dc.description: 431 p. : ill., port., maps ; 27 cm

dc.description.abstract: From the preface: "Several key elements have shaped the fellowship in learning that is Kalamazoo College: its liberal Baptist heritage, its location in the community of Kalamazoo, and its goal of excellence in liberal education. The College was founded by Baptists to serve the religious and educational needs of the frontier. These Baptists believed in what Roger Williams, founder of the Baptist faith in America, called "soul liberty," the freedom of individuals to ascertain moral truths for themselves through biblical study and education. Liberal Baptist faith in theological, political, and intellectual freedom undergirded the open-minded search for truth that very early made the College a community of learners. Its location in the city of Kalamazoo also influenced the nature of the College. Local leaders helped establish the College and have provided crucial support at key points in its history. The College has benefited the community by providing educational opportunities and cultural activities, and by engaging its students and staff members in public service to the town's schools and government. Blessed in its early years by unusually strong academic leadership, Kalamazoo College soon acquired a reputation for educational innovation and excellence. As early as the mid-nineteenth century, Kalamazoo students and teachers were engaged in their own fellowship in learning, a mutual pursuit of excellence in knowledge and in the development of moral values and character."


dc.language.iso: en_US


dc.rights: U.S. copyright laws protect this material. Commercial use or distribution of this material is not permitted without prior written permission of Kalamazoo College.

dc.subject.lcsh: Kalamazoo College -- History

dc.title: A Fellowship in Learning: Kalamazoo College, 1833-2008

dc.type: Book
Project Selection

• Theses
  – Primarily Chemistry, but other SIPs included
  – Benefits:
    • Student workers
      – OCR scan directly from program
      – Adobe PDF Security
      – Adobe PDF renumbering Pages
    • DSpace environment

• Theses Posters
  – Disciplines: Psychology, Sociology/Anthropology, Biology
  – Benefits
    • Immediate access to files.
    • Born Digital
    • Student workers
      – Very familiar with files
      – PDF conversion EASY
    • Students can access online
Project Selection

• Alumni magazine
  – Easy access to files from College Communications
  – Informed me they were indexing them by hand.
  – STOP! There’s a better way!
  – Student workers learn
    • QuarkXpress challenging
    • Final output of original document is Press
    • Document images more challenging

• Art – upcoming project
  – Asked me to create a website where they would have student portfolio work
  – Rather than create a static website, I thought something more dynamic
  – Self-Assessment
Hardware

• HP Scanjet N8460 (ADF scanner)
  – Scans items up to 8.5”x14” through ADF
  – Scans items up to 8.5”x14” on flatbed

• Epson Xpression 10000XL (flatbed scanner)
  – Scan items up to 12”x17”

• Epson Xpression 1680 (flatbed scanner)
  – Scan items up to 8.5”x12”
Items Scanned

• Old Theses
  – Files are encrypted
  – Not PDF/A because encryption not allowed
  – Black and white, even if color in document
  – 300 dpi

• Photographs

• Yearbooks

• Miscellaneous documents
Converting Born Digital Items

• Microsoft Office documents – Word, PowerPoint
• QuarkXpress – going back 8 years to legacy versions
• Adobe InDesign
• HTML / web pages
File Formats Saved

• PDFs - do not use PDF/A
  – Documents/books
  – Born digital files

• Image Formats
  – TIFF (lossless compression)
  – Jpeg - Use for photographic images or images with smooth variations of tone and color (lossy compression)
  – GIF - Use for line art (lossless compression)
PDF/A Compatibility

• Not allowed in document
  – Audio and video content
  – Encryption
  – Javascript and *.exe file launches

• Any fonts used must be legally embeddable for unlimited, universal rendering

• Colorspaces must be specified

• Standards-based metadata is mandated
Training – Scanning Images

• TIFF images converted to JPEGs in Photoshop
  – Batch conversion
• Limited space on DSpace so won’t upload high-resolution TIFF files
• Images, 300 dpi resolution
Training – Scanning Documents

• SIPs
  – Password protect SIPs w/Adobe Acrobat Professional 8
  – Renumber PDF pages
  – Upload SIPs to DSpace
THINGS LEARNED ALONG THE WAY
Problems / Issues

• OCR scanners jammed
  – Heavyweight paper and the thin rice paper not compatible with OCR scanner
• Older SIPs with pictures/graphs/tables glued to pages
  – Graphics are barely attached with old and brittle adhesive
  – Scan pages separately on flatbed and insert into PDF document
• Password protecting the SIP files
  – Student workers are given the single password that encrypts
  – Issue – fine for our students but do we give this password to EVERYONE?
Problems / Issues

• Student Workflow:
  – Permission to upload to DSpace but they do not have rights to modify their submissions.

• Computer and Hardware:
  – Fast OCR scanner / slow computer
    • Renders searchable PDF slowly
    • All-in-one computer with adequate memory
  – Fast OCR scanner / powerful multimedia computer
    • Fast scanning
    • Fast rendering of searchable PDF
## Visual Information Helpful

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<thead>
<tr>
<th>Issue Date</th>
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<th>Communities</th>
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GOOGLE ANALYTICS
1,101 people visited this site

- 1,288 Visits
- 1,101 Absolute Unique Visitors
- 7,955 Pageviews
- 6.18 Average Pageviews
- 00:03.08 Time on Site
- 54.74% Bounce Rate
- 83.07% New Visits

Visitor Segmentation

- Visitors Profile: languages, network locations, user defined
- Browser Profile: browsers, operating systems, browser and operating systems, screen colors, screen resolutions, java support, Flash
- Map Overlay: Geolocation visualization

Technical Profile

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Connection Speed

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view full report
1,288 visits came from 77 countries/territories
1,288 visits came from 77 countries/territories

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<td>00:03:08</td>
<td>83.07%</td>
<td>54.74%</td>
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<td>Site Avg: 00:03:08 (0.00%)</td>
<td>Site Avg: 83.07% (0.00%)</td>
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<tr>
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Map Overlay

1,288 visits came from 618 cities

Detail Level: City | Country/Territory | Sub Continent Region | Continent

Dimension: None
1,288 visits came from 618 cities

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<th>Pages/Visit</th>
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<th>% New Visits</th>
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<td>00:03:08</td>
<td>83.07%</td>
<td>54.74%</td>
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<th>% New Visits</th>
<th>Bounce Rate</th>
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<td>24.26%</td>
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<td>2.35</td>
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<td>65.22%</td>
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<td>78.57%</td>
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<tr>
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Traffic Sources Overview

All traffic sources sent a total of 1,288 visits

12.42% Direct Traffic
11.26% Referring Sites
76.32% Search Engines

Top Traffic Sources

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<td>(direct) (none)</td>
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<tr>
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</table>

view full report
### Search Engine:
**google**

**Visits**
- Visits: 922
- % of Site Total: 71.58%
- Site Avg: 6.18 (-59.70%)

**Pages/Visit**
- Pages/Visit: 2.49
- Site Avg: 6.18 (-59.70%)

**Avg. Time on Site**
- Avg. Time on Site: 00:00:57
- Site Avg: 00:03:08 (-59.74%)

**% New Visits**
- % New Visits: 93.06%
- Site Avg: 83.07% (12.02%)

**Bounce Rate**
- Bounce Rate: 61.93%
- Site Avg: 54.74% (13.14%)

#### Dimension: Keyword

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</table>

**Find Keyword:**
- containing: [ ]
- Go to: [ ]
- Show rows: [ ]
**Search Engine:**
google

**google sent 922 non-paid visits via 791 keywords**

Show: total | paid | non-paid

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Content Overview

Pages on this site were viewed a total of 7,955 times

- 7,955 Pageviews
- 4,363 Unique Views
- 54.74% Bounce Rate

Top Content

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<tr>
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<td>/space-admin/authorize</td>
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</table>

Navigation Analysis

- Navigation Summary
  - How visitors found your content
- Entrance Paths
  - Paths visitors used to get to your content

Landing Page Optimization

- Entrance Sources
  - Top sources per page
- Entrance Keywords
  - Top keywords per page

Click Patterns

- Site Overlay
  - Click data on top of your website

Try Website Optimizer

- Increase conversions by testing different content

view full report
1,740 pages were viewed a total of 7,955 times
Please use this identifier to cite or link to this item: http://hdl.handle.net/10090/4056

Title: Análisis de el Llano en Lamas por Juan Rulfo
Authors: Redshaw, Rosemary
Issue Date: 7-Jan-1963
Publisher: Kalamazoo College.
Series/Report no.: Senior Individualized Projects, Spanish Language and Literature.
Description: 101 leaves

URI: http://hdl.handle.net/10090/4056

Appears in Collections: Kalamazoo College Spanish Language and Literature Senior Individualized Projects

Files in This Item:

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<tbody>
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</table>

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.
About the “K” Archives

• Staffed part-time + students only
• Collection includes at least 25,000 images
• In early stages of digital initiatives
Archives Materials for DSpace

- Photographs
- Historical documents
- New materials that would be archived in traditional format anyway
Choosing Materials

- Recurring demands
- “Index” information
- Existing descriptive info
- Ease of digitizing materials
- Uniqueness
- Interesting discoveries
Why DSpace?

- Cost, technical aspects of other systems
- All in one approach
- Features: RSS, automatic thumbnail and text extraction, OAISTER
- Reduce access to originals
Adding an item to DSpace

1. Preliminary prep of digital file (bitstream)
   - Digitizing process?
   - File naming convention?
   - Watermarking or other identification within file?
   - Backup plans?

2. Choose community/collection
Example: Archives Photo

Archives file no. C16.03.12
Hoben Hall, 1938
Photographer: Richard Averill Smith
Have TIFF and JPEG
My submissions: Heidi Butler

Authorization Groups I'm a Member Of

- COLLECTION_436_ADMIN
- COLLECTION_401_DEFAULT_ITEM_READ
- COLLECTION_327_DEFAULT_ITEM_READ
- COLLECTION_351_DEFAULT_ITEM_READ
- COLLECTION_682_DEFAULT_ITEM_READ
- COLLECTION_355_DEFAULT_ITEM_READ
- COLLECTION_373_DEFAULT_ITEM_READ
- COLLECTION_343_DEFAULT_ITEM_READ
- COLLECTION_367_DEFAULT_ITEM_READ
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- COLLECTION_355_DEFAULT_ITEM_READ
- Washington College
- COLLECTION_322_DEFAULT_ITEM_READ
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- COLLECTION_590_DEFAULT_ITEM_READ
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- COLLECTION_364_DEFAULT_ITEM_READ
- Administrator
- COLLECTION_367_DEFAULT_ITEM_READ
- COLLECTION_345_DEFAULT_ITEM_READ
- COLLECTION_399_DEFAULT_ITEM_READ
- Kalamazoo College
- COLLECTION_363_DEFAULT_ITEM_READ
- COLLECTION_353_DEFAULT_ITEM_READ
- COLLECTION_388_DEFAULT_ITEM_READ
- COLLECTION_319_DEFAULT_ITEM_READ

View Accepted Submissions
Submit: Choose Collection

Select the collection you wish to submit an item to from the list below, then click "Next". More Help...

Collection:
- 116 Catherine Street Blueprints
- 217 Monroe Street (The Forum) Blueprints
- Anderson Athletic Center Blueprints
- Barclay Letters (MSS 002)
- Baruch Test Collection
- Brooklyn College Student Activities
- Campus Plat Blueprints
- CGO Insights
- Chinese Collection
- Collection with Additional OOC Elements
- College of Staten Island Test Collection
- Course Catalog
- Course Catalog
- Course Catalog
- Crissey Hall Blueprints
- CUNY Central Test Collection
- DeWaters Hall Blueprints
- Dewing Hall Blueprints
- Disaster and Recovery Plan Document
- Dow Science Center

Go to
- DSpace Home
- Edit submissions

DSpace Software Copyright © 2002-2006 MIT and Hewlett Packard

KALAMAZOO COLLEGE
celebrating 125 years: 1883-2008
Adding an item (cont.)

- What type of item will it be in DSpace?

- These choices lead to different types of descriptive forms
- We check the second option for almost everything

- The item has more than one title, e.g. a translated title
- The item has been published or publicly distributed before
- The item consists of more than one file
Submit: Describe this Item

Please fill further information about this submission below. (More Help...)

Subject Keywords

Enter appropriate subject keywords or phrases below:

- Hoben Hall
- Dormitory
- Kalamazoo College

Abstract

Enter the abstract of the item below:

Hoben Hall dormitory.

Sponsors

Enter the names of any sponsors and/or funding codes in the box below:

Description

Enter any other description or comments in this box:

One of the many buildings on campus designed by Armbrust Emery, Hoben Hall was dedicated in January, 1937, and named after the College’s recently deceased president. William Hall, which Hoben Hall replaced as the men’s

<Previous  Next>  Cancel/Save
We will restrict TIFF files to campus use only but JPEGs will be public.
Steps after Uploading

• “Verify” screen to check all previous info and uploaded files
• Option to choose Creative Commons license
• Final option: our Kalamazoo College license agreement
• Submission complete! Now go fix it.
One of the many buildings on campus designed by Aymar Embury, Hoben Hall was dedicated in January, 1937, and named after the College's recently deceased president Allan Hoben. Williams Hall, which Hoben Hall replaced as the men's dormitory, was torn down as soon as the male students had moved out of it and into Hoben.
### Edit Item

**PLEASE NOTE:** These changes are not validated in any way. You are responsible for entering the data in the correct format. If you are not sure what the format is, please do NOT make changes.

More Help...

Item internal ID: 6430
Handle: 10090/6193
Last modified: 19-Oct-2008 17:29:27
In Collections: Kalamazoo Collage
Sandbox
Item page: http://dspace.nite.org/handle/10090/6193
Item's Authorizations: Edit

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<tr>
<td>dc</td>
<td>date</td>
<td>issued</td>
<td>1938</td>
<td></td>
</tr>
</tbody>
</table>
Batch Uploading

- Can be done--by NITLE staff
- Complete a spreadsheet with DC fields, collection destination
- Send in images
Anniversary Project

- Anniversary funds + lack of staff time = let’s outsource!
- WMU Digitization Center is next door
  - Project planning
  - Scanning for 200 images
  - Training session
- Great learning opportunity
Our Collections

URL to Watch:
http://reason.kzoo.edu/dspace/

Community:
Kalamazoo College Archives

Collection:
Kalamazoo College 175th Anniversary Photograph Collection
http://www.ncecho.org/guide/toc.html

“Scan Once Methodology”: Section 4.2