



Digital Preservation: What libraries need to know

COLLECTION ACROSS INDIANA
INDIANA NEWSPAPERS
Justin Clark, Janice Gustaferro, and Charla Gilbert
Indiana Digital Preservation
Indipres.org

What is Indiana Memory?

Mobile | Home | About | Contact | Reproductions | Contributors | Advanced Search



Indiana Memory



Steamboat Minnehaha on Lake Wawasee

Lake Wawasee, located in northeastern Indiana, has a history of being a summer vacation area for residents from Indianapolis and Chicago. Eli Lilly maintained residence on Lake Wawasee that still today is a landmark on the lake. This collection is a collaboration of the Syracuse Public Library and the Syracuse-Wawasee Historical Museum.

Syracuse-Wawasee Digital Archives
Indiana [Learn More](#)

COLLECTIONS
ACROSS
INDIANA

INDIANA
NEWSPAPERS

TEACHER
RESOURCES

COLLECTION
LISTS

- Launched in 2008
- Digital platform for Indiana's cultural heritage
- Collaboration with libraries and cultural heritage institutions
- Web portal to provide access



What is Indiana Memory?

- 150+ partners
- 400+ collections
- 600,000 items
- CONTENTdm Responsive Web Interface
- Integrated Features
- Working on harvesting from non-CONTENTdm



Featured in this collection



Hammond Times 23 June 1917

About this collection

This collection contains 123,852 issues comprising 943,715 pages.

Follow us on [Twitter](#)

Hoosier State Chronicles is operated by the Indiana State Library and funded by the U.S. Institute of Museum and Library Services under the provisions of the Library Services and Technology Act. We seek to provide free, online access to high quality digital images of Indiana's historic newspapers by digitizing our collection, and assisting other organizations in making their collections digitally available. Follow our [blog](#) to learn more about Hoosier State Chronicles, and read posts about yesteryear's news.

This online resource originated with grant funding from the National Endowment for the Humanities that enabled us, in partnership with the Indiana Historical Society, to digitize Indiana newspapers for the National Digital Newspaper Program (NDNP). The Indiana titles digitized through NDNP are also available at the Library of Congress's [Chronicling America](#), along with over 8 million newspaper pages from around the United States. You can find additional digitized Indiana newspapers in [Indiana Memory](#) and also [listed on our blog](#).


The Indiana State Library Newspaper Division has the largest collection of Indiana newspapers either in print, microfilm or digital format. For an overview of the available resources for Indiana newspaper research visit their [website](#).

[Contact us](#) with any comments or suggestions.



What is Hoosier State Chronicles?

- Launched in 2011
- Component of Chronicling America
- Digital platform for Indiana's historical newspapers
- Collaboration with libraries and cultural heritage institutions
- Web portal to provide access



Hoosier State Chronicles

Indiana's Digital Historic Newspaper Program

Home Search Titles Dates Tags Help

My account Log out

Hoosier State Chronicles: Indiana's Digital Historic Newspaper Program > Search

Search limited to

No search filters set

Refine search

Publication

- Indianapolis Journal (3326)
- South Bend News-Times (1885)
- The Daily Banner (1617)
- Banner Graphic (726)
- More...

Category

- PAGE (11546)

Decade

- 1830-1839 (27)
- 1840-1849 (99)
- 1850-1859 (612)
- 1860-1869 (587)
- More...

Tags

- Hoosier (23)
- Kin Hubbard Short Furrows (4)
- Abe Martin (2)
- Hoosier Cabinet (2)

Search

Simple Search Advanced Search

hoosier

Search Clear search Help Search history

Search within: Full text Search summaries: Text Results per page: 20

From: Day Month Year To: Day Month Year

In: All publications

- Banner Graphic (1 March 1973 - 31 December 1974)
- Bloomington Post (6 November 1835 - 22 March 1839)
- Bloomington Republican (6 January 1827 - 3 November 1827)
- Brookville American (19 February 1858 - 21 December 1860)

Search Results

Your search for **hoosier** found 11546 results. Showing results 1 to 20.

Sort by: best match first

Results 21 - 40 >

Page 14 [PAGE]

South Bend News-Times 13 February 1920

Add to private list

If You Haven't a **Hoosier**, You Need One That's what nearly two million women ...

Page 24 [PAGE]

South Bend News-Times 20 May 1921

Add to private list

... e your last chance, for some time, to join a **Hoosier** club! All free offers and easy paying plan will ...

Page 20 [PAGE]

South Bend News-Times 20 October 1922

Add to private list

HOOSIER

Page 8 [PAGE]

South Bend News-Times 24 January 1919

Add to private list

FREE! This Flour FREE! With Every **Hoosier** Cabinet

Page 15 [PAGE]

South Bend News-Times 6 August 1920

Add to private list

What is Hoosier State Chronicles?

- www.hoosierstatechronicles.org
- Nearly 300 titles
- 155,000+ issues
- 1,300,000+ pages
- Text Searchable
- Downloadable (Both jpegs and PDFs)

Digital Preservation

- ❑ What is it?
 - ❑ Defined as any planning and activity that helps ensure long term access to existing digital assets
- ❑ Why is it important?
 - ❑ Hardware, software and operating system obsolescence
 - ❑ Changes to file format
 - ❑ Media degradation
 - ❑ Threats to storage location
 - ❑ Controlled access to assets
 - ❑ LOCKSS principle

InDiPres

- ❑ Why InDiPres?
 - ❑ Trust
 - ❑ Community
 - ❑ Institutional Support
- ❑ Benefits
 - ❑ Creation of Digital Preservation Plan
 - ❑ Core Activity
 - ❑ Grants



InDiPres

- ❑ Offsite Dark Archive of Digital Files
 - ❑ Extra layer of security in the case of internal issue (fire, flooding, etc.)
- ❑ Decentralized Server Structure
 - ❑ Provides multiple backups in the event of a server failure
- ❑ Works with LOCKSS



InDiPres

- ❑ 22 Members
 - ❑ Academic Libraries, Public Libraries, Historical Societies
- ❑ 14.4 TB of Archived Storage
 - ❑ Available to members via multiple nodes in MetaArchive Network
- ❑ Works with a variety of CMS
 - ❑ Provides multiple backups in the event of a server failure

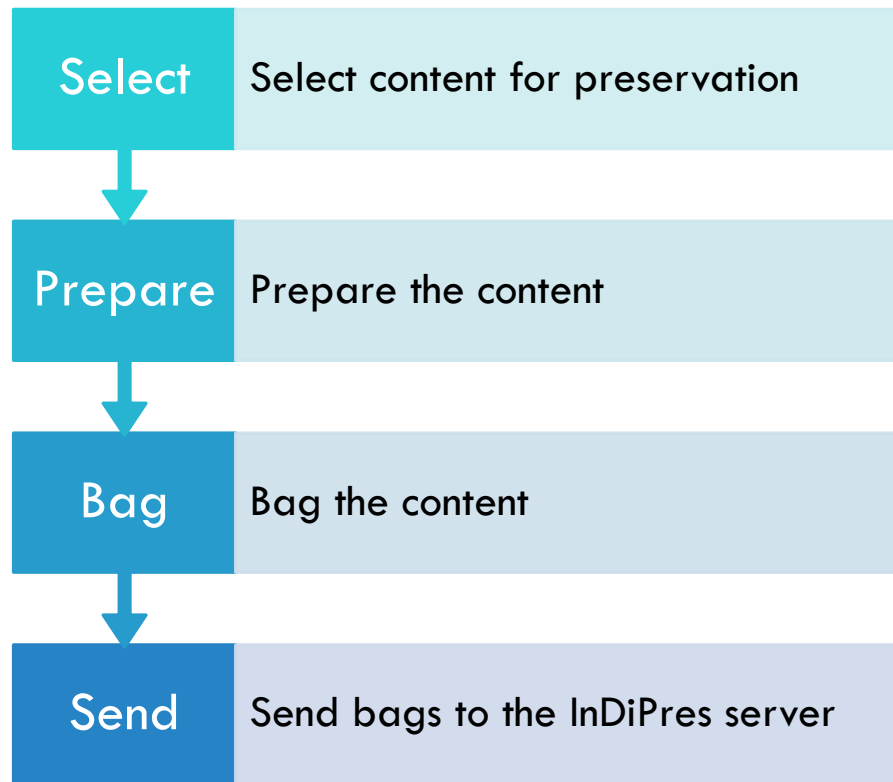




PRESERVATION PROCESS

InDiPres & MetaArchive

YOUR PART OF THE PROCESS



1. SELECT CONTENT

Consider risk factors* such as vulnerability to change and loss, potential obsolescence, or disaster damage

Prioritize* based on mission, policies, requirements, uniqueness, significance, frequency of use, age and extent of content, value, rights ownership, and digital quality

*From the [InDiPres Guidance Document and Technical Appendix](#)

2. PREPARE CONTENT

Collect files

- Content files
- Metadata files
- Any other documentation that would help to put the collection back together again (field mapping information, etc.)

Rename files, if needed

- Recommendations* include:
 - use prefixes that identify your institution and the collection
 - avoid spaces and special characters

Use standard file formats (preferably non-proprietary)

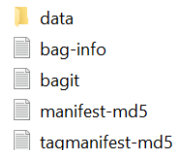
- This will help for future format migrations

*See the [InDiPres Guidance Document and Technical Appendix](#)

3. BAG THE CONTENT

A bag* is like a folder or directory on a computer and is composed of:

- a bag declaration text file, which is like a seal of authenticity
- a text-file manifest listing the files in the collection
- a subdirectory - usually titled “data” – filled with the digital content
- an optional text file, titled "bag-info.txt," with administrative metadata



We are currently using the Library of Congress Bagger software. There are other bagging software options, such as DART, from APTrust

- Help is available (documentation, training videos and sessions)

Bag names should start with a prefix that identifies your institution and the collection.

*From the Library of Congress Digital Preservation page on [Digital Content Transfer Tools](#)

4. SEND BAGS TO THE STAGING SERVER

InDiPres is currently using ReadyCLOUD to send files to the InDiPres staging server at Butler University



We will help you to set up your ReadyCLOUD account. You can then drag and drop bags into a folder, and they will transfer to the staging server.



TESTING AND INGEST

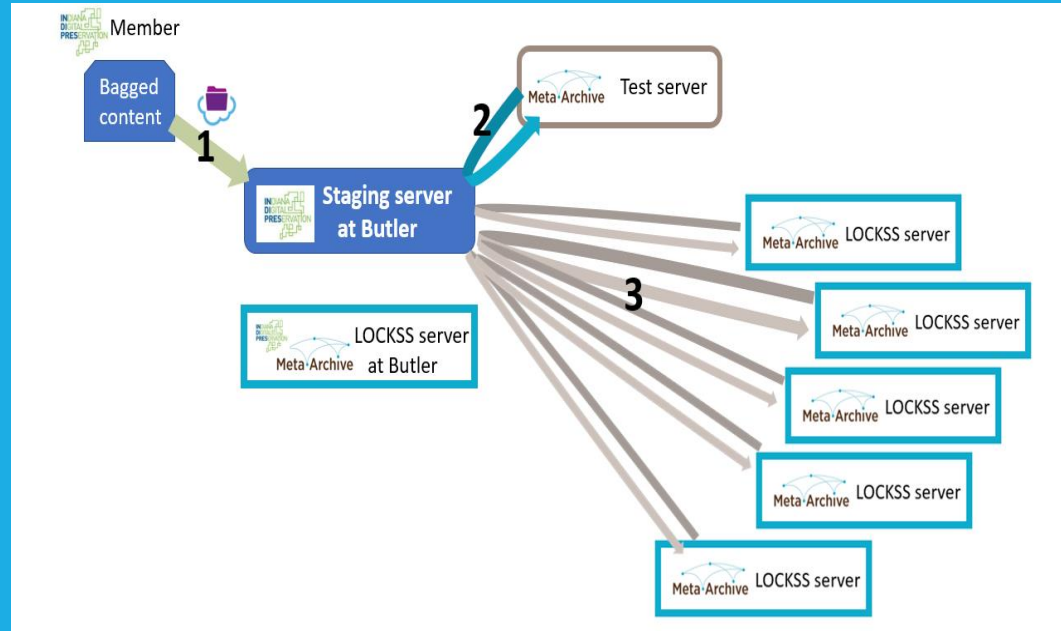
InDiPres will create Archival Units (AUs) identifying the location of the bags on the staging server

The MetaArchive test server will pull the bags and run tests

MetaArchive LOCKSS server administrators at 5 geographically diverse locations will be notified to pull the bags and ingest them into their LOCKSS servers

When the ingest is complete, the bags will be removed from the InDiPres staging server to make room for more bags

CURRENT INGEST PROCESS



FOR MORE INFORMATION:

MetaArchive: <https://metaarchive.org/>

InDiPres: <https://indipres.org/> (see the Guidance Document under Member Tools)

Please feel free to contact us!

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InDiPres: Member Experience



Thanks!

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