

challenge.gov contest

CHRONICLING AMERICA

Historic Newspaper
DATA CHALLENGE

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Serials and Government Publications Division, Library of Congress

From 1836-1922...history's markers

34



Simpli mechanics

Safety

Cleanli is an clean

For th practically For p

P

Are You Reading "Elusive Isabel"? If Not Start Today or You'll Miss a Rare Treat
Our Cost on the Street 30c Per Month Delivered

THE TACOMA TIMES.

TACOMA, WASH., WEDNESDAY, FEB 14, 1911.

The Times is Read by Most Everybody in Tacoma

FEBRUARY 14, 1911.

ALL ABOARD

For the Great Trip; We Start at 5 P. M. Tonight and We Travel at the Rate of 3,000 Miles Per Hour Through the

YES THE POLICEMAN EARNED HIS PAY AND THE COST IS KATE MURPHY'S SELF RESPECT

(Text continues with details of the incident involving a policeman and a woman named Kate Murphy.)

COMET'S TAIL

Earth Will Pass Right Through Comet Tonight But We Might Not See It



NEVER TOUCHED ME!

(Text discusses the comet's path and the possibility of it being visible.)

Ballinger Hobnobbed With "Pierp." Morgan; More Secrets Laid Bare

EPIDEMIC OF RABIES IN IDAHO

Did This Come From the Comet?

Fear End of World Is Here

COMET STARTS PANIC

GIRL HELD A CAPTIVE 3 MONTHS

Ballinger Hobnobbed With "Pierp." Morgan; More Secrets Laid Bare

EPIDEMIC OF RABIES IN IDAHO



(Text continues with news reports on Ballinger's activities and the rabies epidemic in Idaho.)

Did This Come From the Comet?



Fear End of World Is Here

COMET STARTS PANIC

(Text discusses the public reaction to the comet's appearance.)

GIRL HELD A CAPTIVE 3 MONTHS

LAD GORED BY COW MAY DIE

T. R. AGAIN CALLS ON KING

(Text contains various short news items and local reports.)

National Digital Newspaper Program (2004-)

- Enhance access to American newspapers
- Develop permanent digital resource including selected historic content from all US states and territories
- Shared resources and cost distribution (LC/NEH/Awardees)
- Shared practices/specifications = community
- Paced scalability
- Plan for technical change and sustainability requirements

Chronicling America: Historic American Newspapers

<http://chroniclingamerica.loc.gov/>



ASK A LIBRARIAN DIGITAL COLLECTIONS LIBRARY CATALOGS

Search

The Library of Congress > Chronicling America

 NATIONAL ENDOWMENT FOR THE **Humanities**

CHRONICLING AMERICA
Historic American Newspapers

Search America's historic newspaper pages from 1836-1922 or use the U.S. Newspaper Directory to find information about American newspapers published between 1690-present. Chronicling America is sponsored jointly by the National Endowment for the Humanities and the Library of Congress. [Learn more >](#)

Search Pages **Advanced Search** **All Digitized Newspapers 1836-1922** **US Newspaper Directory, 1690-Present**

All states from 1836 1922

Pages Available: 10,727,216

100 Years Ago Today: 4/11/1916 (68 issues)



The evening world. (18pp.)
New York, N.Y.



The daily Gate City and constitution-Democrat. (10pp.)
Keokuk, Iowa



The intelligencer. (8pp.)
Anderson, S.C.

- About Chronicling America
- About the Site and API
- Recommended Topics
- Help

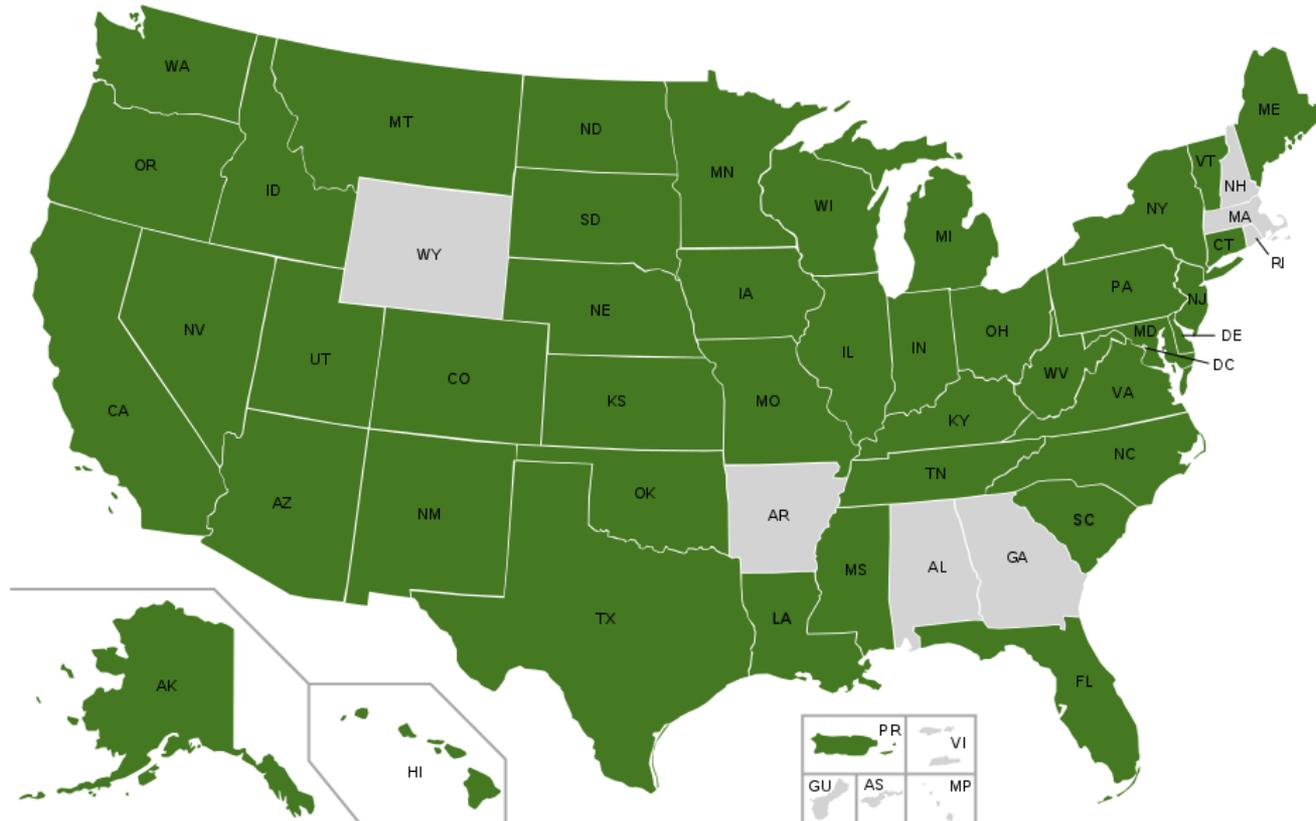
More Resources

- National Digital Newspaper Program
- NDNP Award Recipients
- Newspaper and Current Periodicals Reading Room
- Ask LC Newspaper & Current Periodicals Librarian
- Historic Newspapers on Flickr (part of the LC Flickr Commons photostream)

PARTNERS:

44 institutions | 11.3 million pages now online | 1789-1922

National Digital Newspaper Program, 2005-2016



National Digital Newspaper Program (2016)

- 11.3 million pages online
- Approx. 75+ Tb online, 750+ Tb archival storage
- 3.9 million visits in 2015 (chroniclingamerica.loc.gov)
- 44 states and territories participating

- Also received:
 - 1150 newspaper history essays
 - 2100 bibliographic titles (of 153,000 titles published)
 - 10,000 reels of microfilm (duplicate print negative)

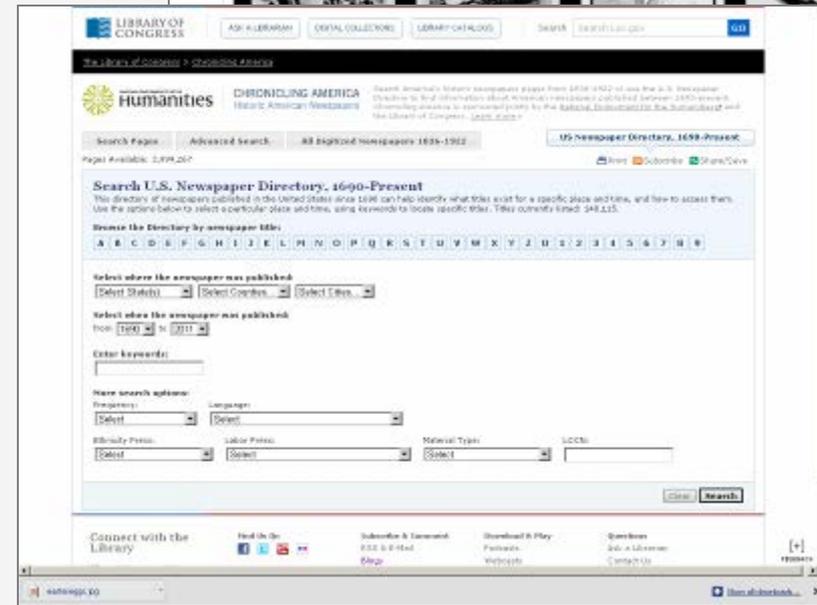
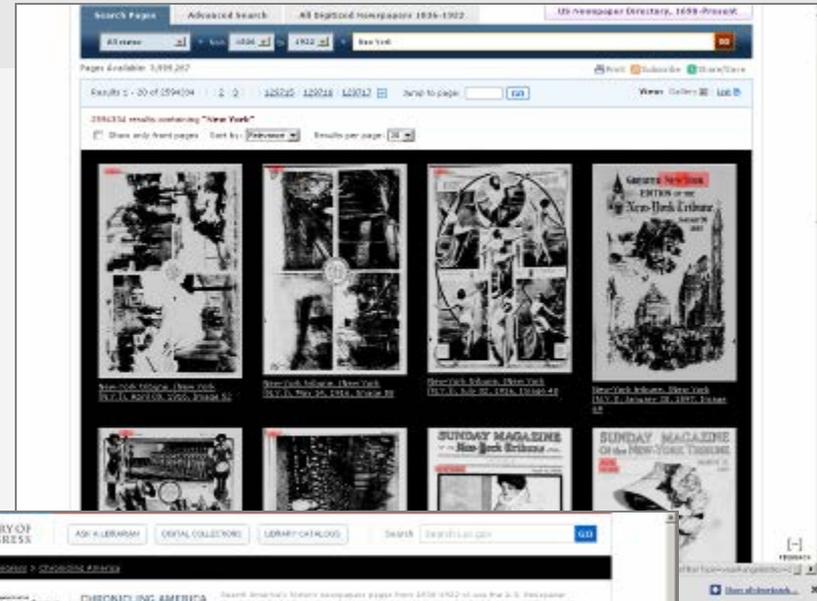
Finding Our History

- Page Search – Full text

- Search by place, time, keyword
- Page information – Title, Date, Edition, Section, Page (Image)
- Visual search results (Thumbnail view with hit-highlights)
- Pan and Zoom
- Full-screen view

- US Newspaper Directory Search

- Search by place, time, keyword, format, subject, etc. (CONSER/WorldCat data)
- Keyword search – e.g., “http” (external Web site links) or “times”



ChronAm: What's Available

Digitized page images

OCR

Newspaper Directory
Records



Mars has atmosphere, seasons, land, y!H water, storms, clouds and mountains.

"H Mars has i-wr. "o -
H only 3,700 miles awa.y and revolves around
?!i it ni seven and a half 'houvs ? phoot-
fciji': ing star.

Metadata

"place_of_publication": "Salt Lake City, Utah", "lccn": "sn83045396", "start_year": "1890", "place": ["Utah--Salt Lake--Salt Lake City"], "name": "The Salt Lake tribune.", "publisher": "Tribune Pub. Co.", "url": "http://chroniclingamerica.loc.gov/lccn/sn83045396.json", "end_year": "current", "issues": [{ "url": "http://chroniclingamerica.loc.gov/lccn/sn83045396/1904-01-01/ed-1.json", "date_issued": "1904-01-01" }]

About The Trentonian. (Trenton, N.J.) 1945-current
Trenton, N.J. (1945-current)

About | Libraries that Have It | MARC Record

Title:

The Trentonian. : (Trenton, N.J.) 1945-current

Place of publication:

Trenton, N.J.

Geographic coverage:

• Trenton, Mercer, New Jersey | View more titles from this: [City](#), [County](#), [State](#)

Publisher:

Capitol City Pub. Co.

Dates of publication:

1945-current

Description:

• Began in 1945.

Frequency:

Daily <July 13, 1992->

Language:

• English

Notes:

- Also issued on microfilm from the Micro Photo Div., Bell & Howell Co.
- Description based on: Vol. 18, no. 135 (Jan. 1, 1964).
- Latest issue consulted: Vol. 46, no. 311 (July 13, 1992).

LCCN:

sn 86077286

OCLC:

15342162

ISSN:

1064-3567

Holdings:

• [View complete holdings information](#)

ChronAm: How do we make it available?

- Public website
- Open API – no login required
- Stable URLs
 - So helpful for so many reasons
 - Added bonus - URLs make sense (title/date/page)
- Industry standard endpoints – like OpenSearch
- Machine readable views (like JSON)
 - Easier to play with the stuff
- As pre-fab datasets (OCR bags)



The screenshot shows the ChronAm website interface. At the top, there is a logo for the National Endowment for the Humanities and the text 'CHRONICLING AMERICA Historic American Newspapers'. Below this, it states 'Pages Available: 10,727,216' and provides links for 'Print', 'Subscribe', 'Share/Save', and 'Give Feedback'. The main section is titled 'OCR Data' and includes a 'What is OCR?' section. This section explains that bulk access to OCR data is provided and includes a table of available data files. The table has columns for 'Filename', 'Batch', 'Created', 'Size', and 'SHA-1 Checksum'. Two rows of data are visible in the table.

Filename	Batch	Created	Size	SHA-1 Checksum
batch_vi_isogawa_ver01.tar.bz2	batch_vi_isogawa_ver01	2016-03-22T17:01:31-04:00	842.1 MB	ad3b4c1e1fc0e0b54112a7c57
batch_tu_qus_ver02.tar.bz2	batch_tu_qus_ver02	2016-03-22T17:01:27-04:00	482.3 MB	09a8b0ed33e1186345d501c5

The NEH Data Challenge



Chronicling America: Historic American Newspapers Data Challenge

National Endowment for the Humanities



Challenge Details

- Discussions 0
- Solutions 0
- Rules
- Submit Solution
- Challenge Followers 10

About the Challenge

Create a web-based tool, data visualization, or other creative use of the information found in the Chronicling America historic newspaper database.

Posted By: National Endowment for the Humanities
Category: Software/Apps

Submission Dates : Oct 28, 2015 - Jun 15, 2016

Judging Dates : Jun 15, 2016 - Jul 15, 2016

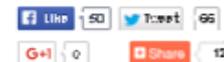
How can you use open data to explore history? NEH invites members of the public to produce creative web-based projects demonstrating the potential for using the data found in the *Chronicling America* website, available at <http://chroniclingamerica.loc.gov>. *Chronicling America* is a website providing access to digitized U.S. newspapers and to information about historic newspapers. The National Digital Newspaper Program (NDNP), a joint effort between NEH and the Library of Congress, produces the site. Visit the *Chronicling America* website at <http://chroniclingamerica.loc.gov>. For more about the humanities, visit the NEH website at www.neh.gov.

What are we looking for? NEH encourages contestants to develop data visualizations, web-based tools, or other innovative and interesting web-based projects using the open data found in *Chronicling America*. There are over ten million pages of digitized newspapers in *Chronicling America*, published between 1836 and 1922, from towns and cities across the United States. The newspapers illuminate 19th and 20th century American life, with stories about politics, sports, shopping, music, food, health, science, movies, and everything in between. Entries should uncover trends, display insights, explore a theme, or tell a story.

Follow this challenge

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Latest Discussion

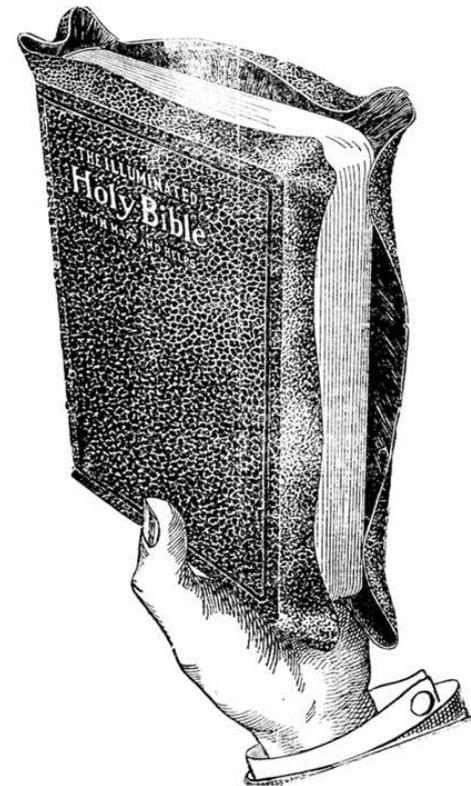
No Discussion Items Currently

First Prize: America's Public Bible

America's Public Bible

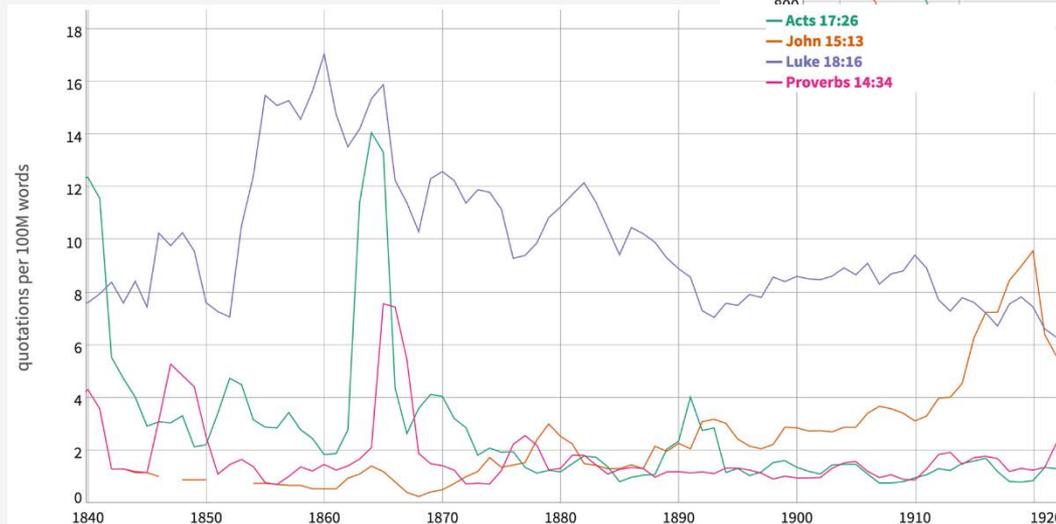
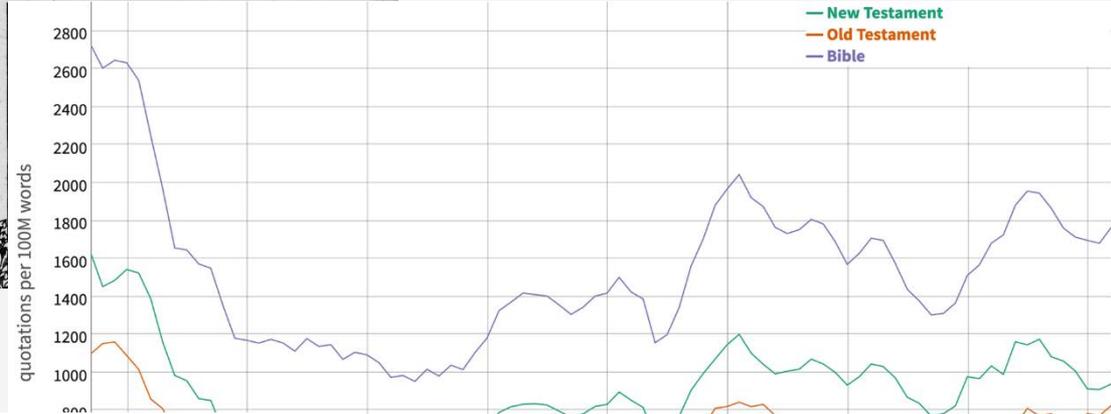
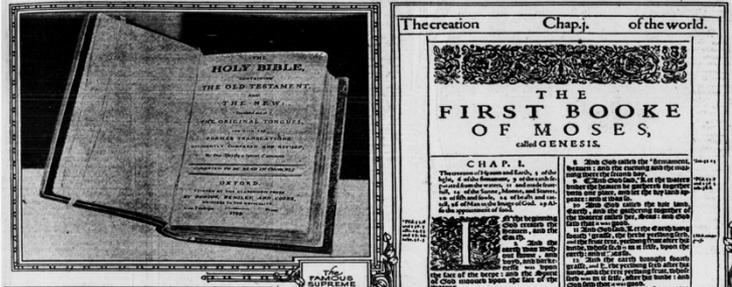
Biblical Quotations in U.S. Newspapers

For most of its issues in 1902, the *Ellensburg [Washington] Dawn* featured a quotation from Benjamin Franklin prominently on its front page. “A Bible and a newspaper in every house,” the masthead proclaimed, “are the principal support of virtue, morality, and civil liberty.”¹ Though the quotation from Franklin was doubtless spurious, the combination of newspapers and the Bible would have been familiar to readers. Throughout the nineteenth century and into the twentieth century, newspapers in the United States—even newspapers which were not published by a religious denomination or organization—had frequent recourse to the Bible. Newspapers printed sermons and Sunday school lessons, and ministers offered lessons through newspaper Bible clubs.² Newspapers featured jokes whose punchlines required familiarity with the Bible. They aired political commentary that cited the Bible on all sides of a given issue. They ran features on [Thomas Jefferson's edited Bible](#) and [Abraham Lincoln's use of the Scripture](#).³ On [Good Friday](#), Easter, and [Christmas](#) they reprinted long portions of the Scripture.⁴ They [opined on revisions to the English Bible](#), and offered [word-by-word comparisons](#) of the changes in new translations.⁵ They made money from [advertisements](#) for Bibles of every kind, and some newspapers even [sold Bibles directly](#) as a way of raising revenue. But most of all,



An advertisement for The

First Prize: America's Public Bible



The Spirit of Christmas

Now is the day of rejoicing come to us
For we have in our own hearts realized
the truth that it is more blessed to give
than receive.

JCPenney Co.
A NATIONAL CHAIN OF
312 DEPARTMENT STORES

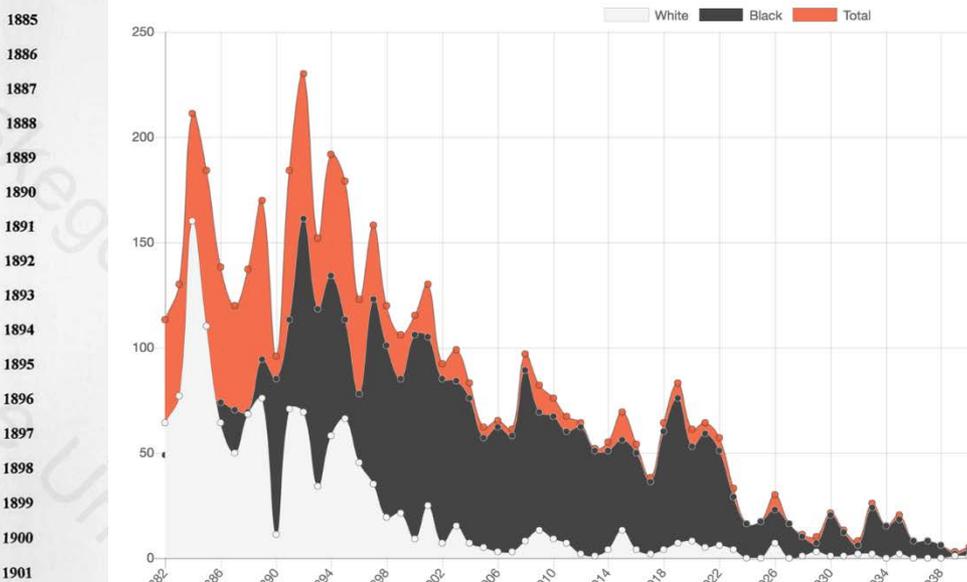
Second Prize: American Lynching



Second Prize: American Lynching

LYCHING, WHITES AND NEGROES, 1882 - 1968

YEAR	WHITES	NEGROES	TOTAL
1882	64	49	113
1883	77	53	130



The Shame of America

Do you know that the United States is the Only Land on Earth where human beings are BURNED AT THE STAKE?

In Four Years, 1918-1921, Twenty-Eight People were publicly BURNED BY AMERICAN MOBS

3436 People Lynched, 1889 to 1921

For What Crimes Have Mobs Nullified Government and Inflicted the Death Penalty?

Alleged Crimes	The Victims
Murder	1289
Rape	271
Crimes against the Person	415
Crimes against Property	155
Intimidation - Violence	153
Absence of Crime	176
	3436

Why Some Male Victims Died
Not turning out of road for white boy to enter
Killing a relative of a person who was lynched
Dropping a labor contract
Killing a member of the Ku-Klux-Klan
"Talking back" to a white man
"Insulting" white men

Is Rape the "Cause" of Lynching?

Of 3,436 people murdered by mobs in our country, only 271, or less than 17 per cent, were even accused of the crime of rape

83 WOMEN HAVE BEEN LYNCHED IN THE UNITED STATES

The lynchings comprise that they were lynched for "the usual crime"

AND THE LYNCHERS GO UNPUNISHED

THE REMEDY

The Chicago Sunday Tribune. PART SEVEN

SEPTEMBER 1, 1901—SIXTY PAGES.

OVER 3,000 LYNCHINGS IN TWENTY YEARS.

Nearly All the Victims Negroes and Great Majority of Crimes Occur in the Southern States.

ILLEGAL EXECUTIONS IN EACH STATE FOR SIXTEEN YEARS.

State	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901
Alabama	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Arkansas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
California	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Colorado	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Connecticut	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Delaware	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Florida	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Georgia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Illinois	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Indiana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iowa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kansas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kentucky	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Louisiana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Maine	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Massachusetts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Michigan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minnesota	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mississippi	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Missouri	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Montana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nebraska	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nevada	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New Hampshire	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New Jersey	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New Mexico	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New York	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
North Carolina	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
North Dakota	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ohio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Oklahoma	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Oregon	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pennsylvania	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rhode Island	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
South Carolina	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
South Dakota	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tennessee	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Texas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vermont	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Virginia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Washington	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
West Virginia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Wisconsin	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Wyoming	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Mobs Are Beginning to Burn Suspected Negroes and State Laws Seem Powerless to Prevent the Crimes.

LIST OF VICTIMS OF 101 LYNCHINGS THAT HAVE TAKEN PLACE IN 1901 AND ALLEGED CHARGES AGAINST THEM.

No.	Name	Age	Sex	Color	Charge	Place	Date
1	John Brown	35	M	W	Robbery	Illinois	1901
2	James Smith	42	M	W	Crimes against person	Mississippi	1901
3	William Jones	28	M	W	Crimes against property	Alabama	1901
4	Robert Lee	31	M	W	Crimes against person	Georgia	1901
5	Thomas White	38	M	W	Crimes against person	Florida	1901
6	Charles Black	25	M	W	Crimes against person	South Carolina	1901
7	Edward Green	33	M	W	Crimes against person	North Carolina	1901
8	Frank Brown	29	M	W	Crimes against person	Virginia	1901
9	George White	36	M	W	Crimes against person	Tennessee	1901
10	Henry Black	27	M	W	Crimes against person	Mississippi	1901

Second Prize: Historical Agricultural News

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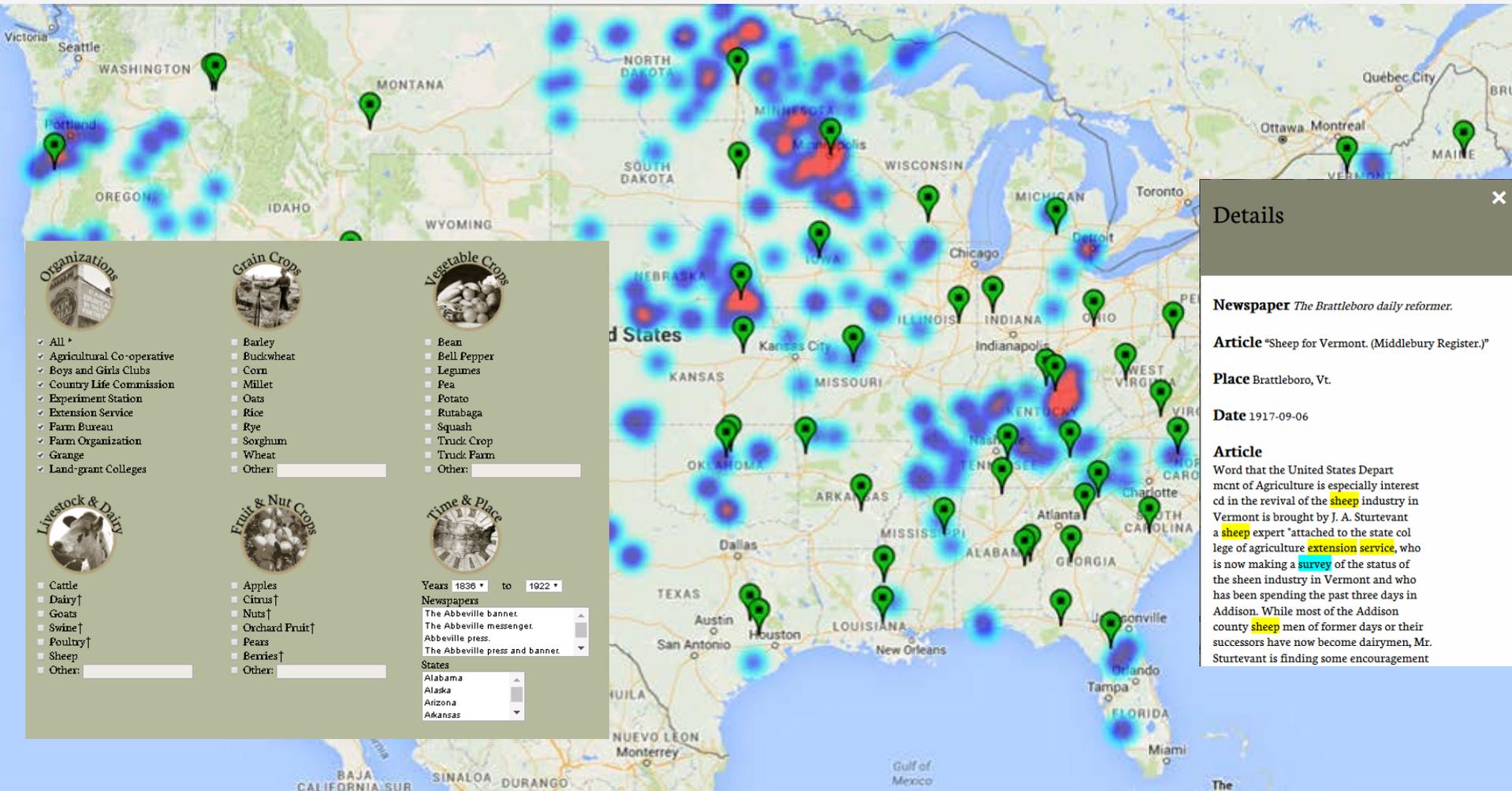


Historical Agricultural News

Welcome to *Historical Agricultural News*, a search tool site for exploring the Library of Congress *Chronicling America* database for information on the farming organizations, technologies, and practices of America's past. Agricultural history is often presented in terms of economics; once we get beyond subsistence, agriculture is, after all, a business. But farming is also a window into communities, social and technological change, and concepts like progress, development, and modernity. These agricultural connections are of significance to those interested in various topics including immigration and assimilation, language use and communication, education and affiliations, and demographic transitions.

The long human history of agriculture—approximately 10,000 years—offers a mostly static arc of development. It is within the 19th and 20th centuries that we see big changes emerging, as new practices, mechanization, and chemical science begin to shape farming into the industry we recognize today. The time period encompassed by the *Chronicling America* newspaper collection is perhaps the most crucial in terms of paradigm shifts, for it is within these 86 years (1836 to 1922) that many breaks with past practices occurred, and new inventions, science, and technology first appeared.

Second Prize: Historical Agricultural News



Third Prize: Chronicling Hoosier

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Chronicling Hoosier

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[Preliminary Findings](#)

[What's Next?](#)

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Introduction

The origin of the word hoosier has been long sought by historians and native Indianans alike. While this research project began as a technology supported hunt for the earliest appearance and original meaning of the word, ultimately the most intriguing discoveries were the variety of meanings hoosier has encompassed through time and by geography. We believe as many before us that the origin of hoosier lies in an oral tradition. Originally published sources such as newspapers, books, literature, and pamphlets likely come well after the word enters the vocabulary of pioneering Americans. Evidence to support this includes a *Pittsburgh Statesmen* article from 1833 or 1834 that already ponders the origin of the word and proposes one origin theory (Unknown, 1932),

“‘Hoosier’-The Hoosier State. - The good citizens of our sister State (Indiana,) have been called Hoosiers for some time past at home and abroad, sometimes honorably and sometimes the reverse- as the term has become general it is high time that its origin and definition should be as generally know[n] before that section of the public lands were regularly surveyed-many families located and were called squatters-the surveyors on finding on of those would ask who's here, and place the name on their map-the question became so familiar, that on the first view of the smoke of a cabin, the exclamation often then 'who's here' became equally so until it eventuated in the general term Hoosier.”

Third Prize: USNewsMap.com

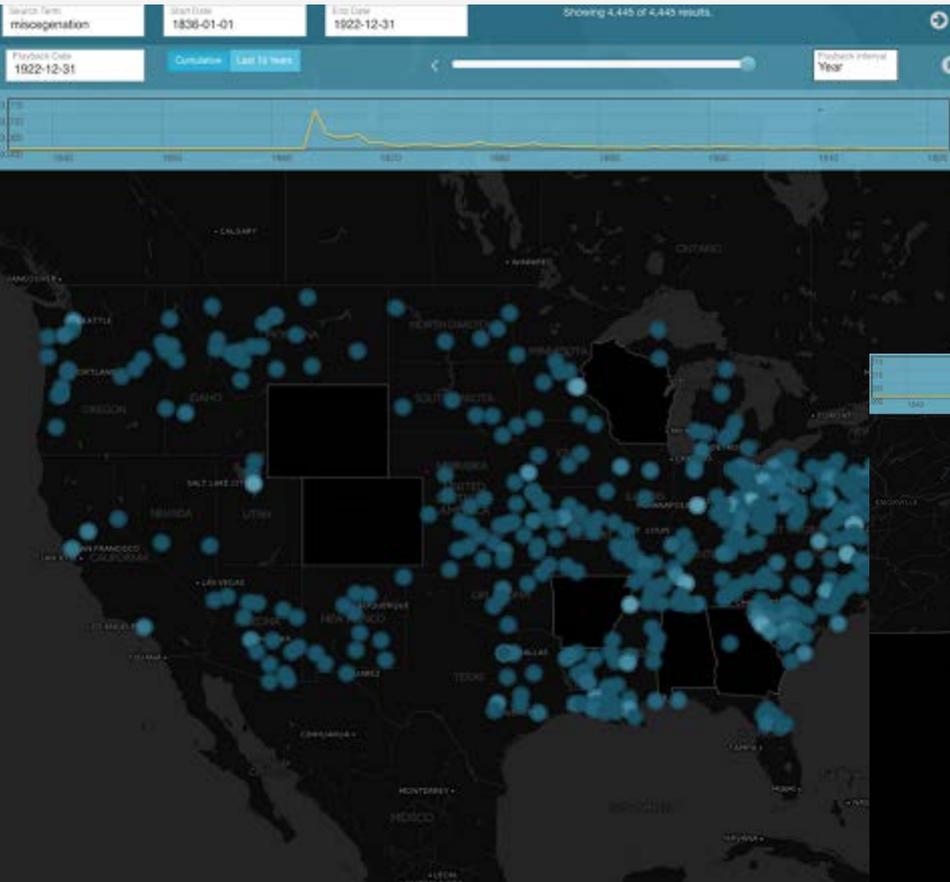
US News Map Search over eleven million newspaper pages between 1789 and 1922

Search Term Start Date 04/14/1789 End Date 12/31/1922

Georgia Tech Research Institute eHistory at the University of Georgia

Leaflet | CartoDB | Stamen Design | OpenStreetMap

Third Prize: USNew sMap.com



LIBRARY OF CONGRESS ASK A LIBRARIAN DIGITAL COLLECTIONS LIBRARY CATALOGUE Search Search Loc.gov GO

The Library of Congress > Chronicling America > Browse by date > June 09, 1866 > Image 1

CHRONICLING AMERICA Search America's historic newspaper pages from 1789-1922 or use the U.S. Newspaper Directory to find information about American newspapers published between 1800-present. Chronicling America is sponsored jointly by the National Endowment for the Humanities and the Library of Congress. Learn more.

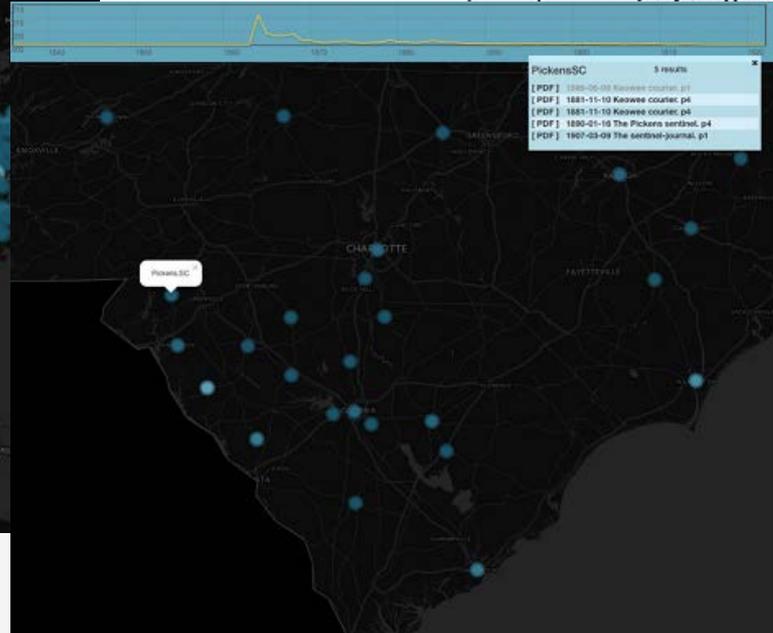
Search Pages Advanced Search All Digitized Newspapers 1789-1922 US Newspaper Directory, 1650-Present

Keweenaw courier., June 09, 1866, Image 1
About Keweenaw courier.: eBooks Court files, S.C.1:1849-courier

Image provided by: University of South Carolina, Columbia, SC

great majority of the male and female teachers coming among us from the North, by the diffusion of their **miscegenation** and equality ideas, are calculated to do the negro infinitely more injury than can ever be compensated by what smattering of an education they may be able to impart. The people of the South, however they may be oppressed and trodden and tyranny, to be insulted use whom they And however Northern entertain; and laws they may

Correspon



K-12 Prize: Digital APUSH

Digital APUSH

Projects from AP U.S. History students at Sunapee High School

- About
- 2015
- 2016

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2016

Revealing History with *Chronicling America* —

An Introductory Note from the Teacher

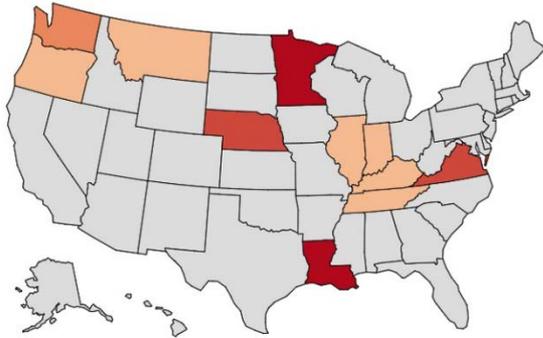
The 2016 Digital APUSH work was inspired by a [crowdsourced history project](#) begun by the [United States Holocaust Memorial Museum](#) in 2016, one where "citizen historians" look within sources like [newspapers.com](#) for nationwide coverage of the Holocaust. Like these volunteer researchers, students in the 2016 AP U.S. History class searched for specific news items within a large collection of digitized historical newspapers. Using the Library of Congress' [Chronicling America database](#), APUSH students looked for patterns of coverage, or lack of coverage. One goal of this work, like that of the Holocaust



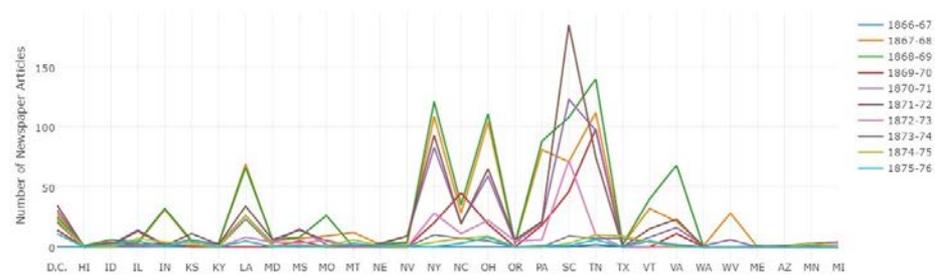
2063 Search						
State						
Alabama						
Alabama						
Alabama						
Alabama						
Arizona						
Arizona	The Arizona champion.	449	1883	1891	West	
Arizona	Arizona citizen.	488	1870	1880	West	
Arizona	The Arizona daily orb.	192	1899	1900	West	
Arizona	The Arizona kicker. volume	2	1893	1898	West	
Arizona	Arizona miner.	108	1864	1868	West	
Arizona	Arizona republic.	10517	1868	1901	West	

K-12 Prize: Digital APUSH

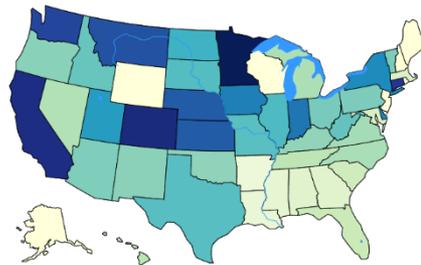
Plessy vs Ferguson 1896 News Articles Available on Library of Congress Database



Newspaper Coverage of the KKK between 1866-76



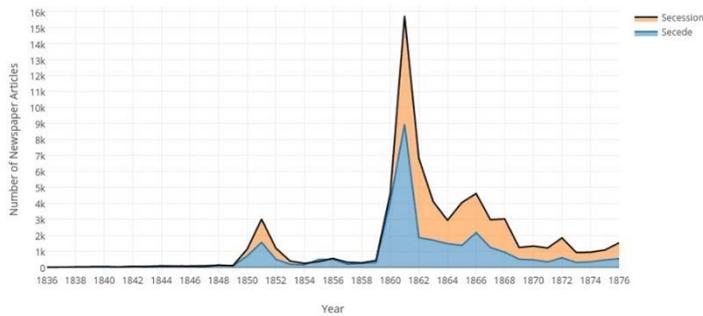
Newspaper Coverage of Labor Unions from 1836-1922



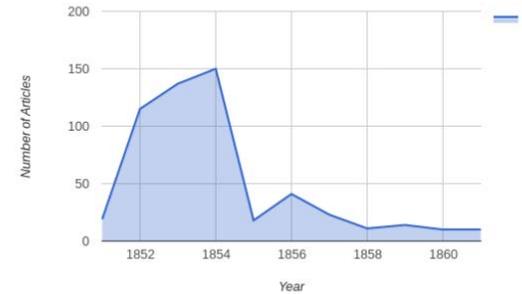
States with Coverage of KKK



Number of Newspaper Articles Using the Words Secede vs. Secession



Articles About Uncle Tom's Cabin by Year



Some Thoughts

- Know your collections
- Contest as motivation
- Teams and collaboration
- Academic and intellectual value
- Learn from users



Thank you!

NEH Division of Preservation & Access

<http://www.neh.gov/grants/preservation/national-digital-newspaper-program>

LC NDNP Public

<http://www.loc.gov/ndnp/>

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<http://chroniclingamerica.loc.gov>

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