

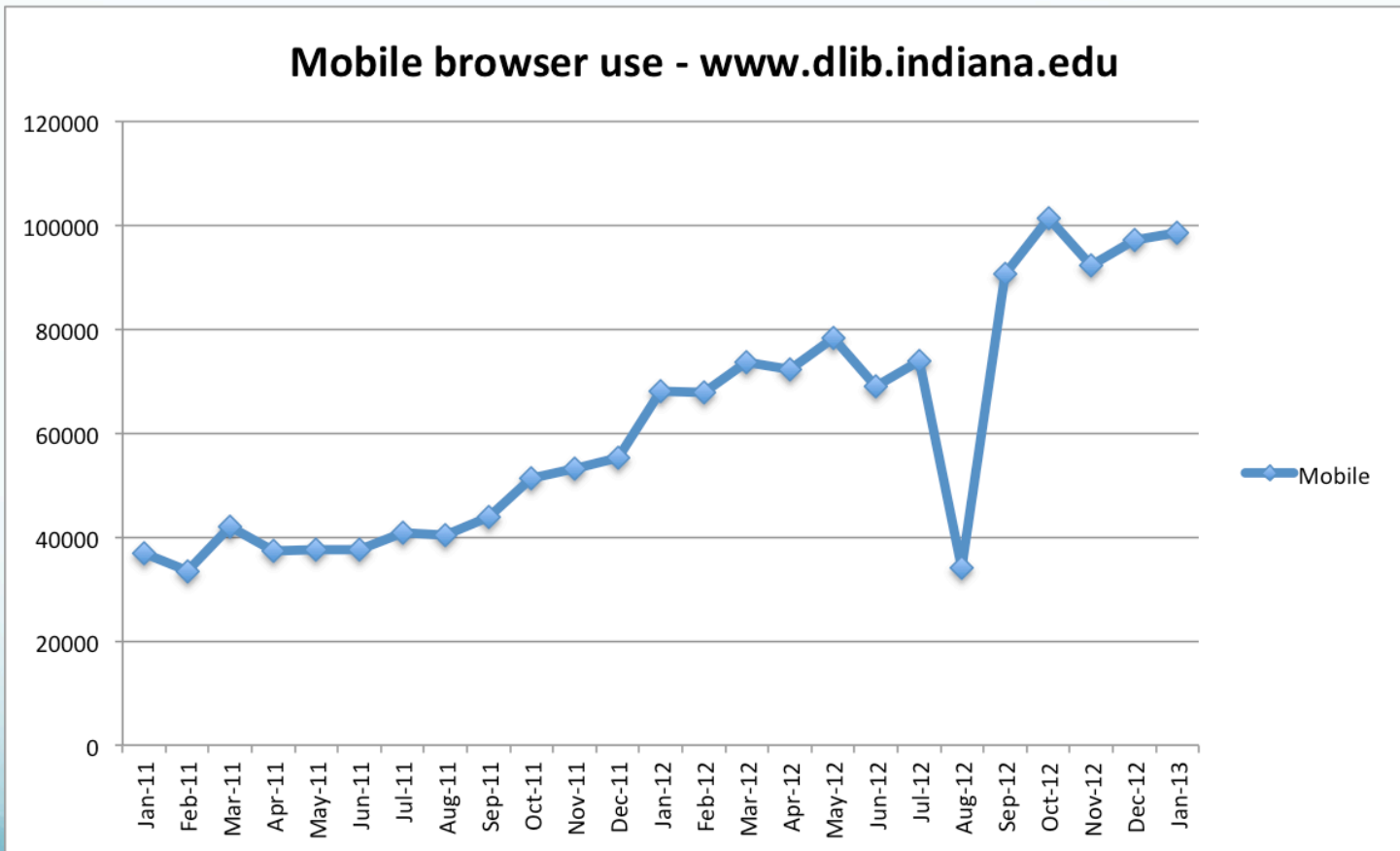
# Making Mobile Meaningful

Digital Collections for Mobile Viewers

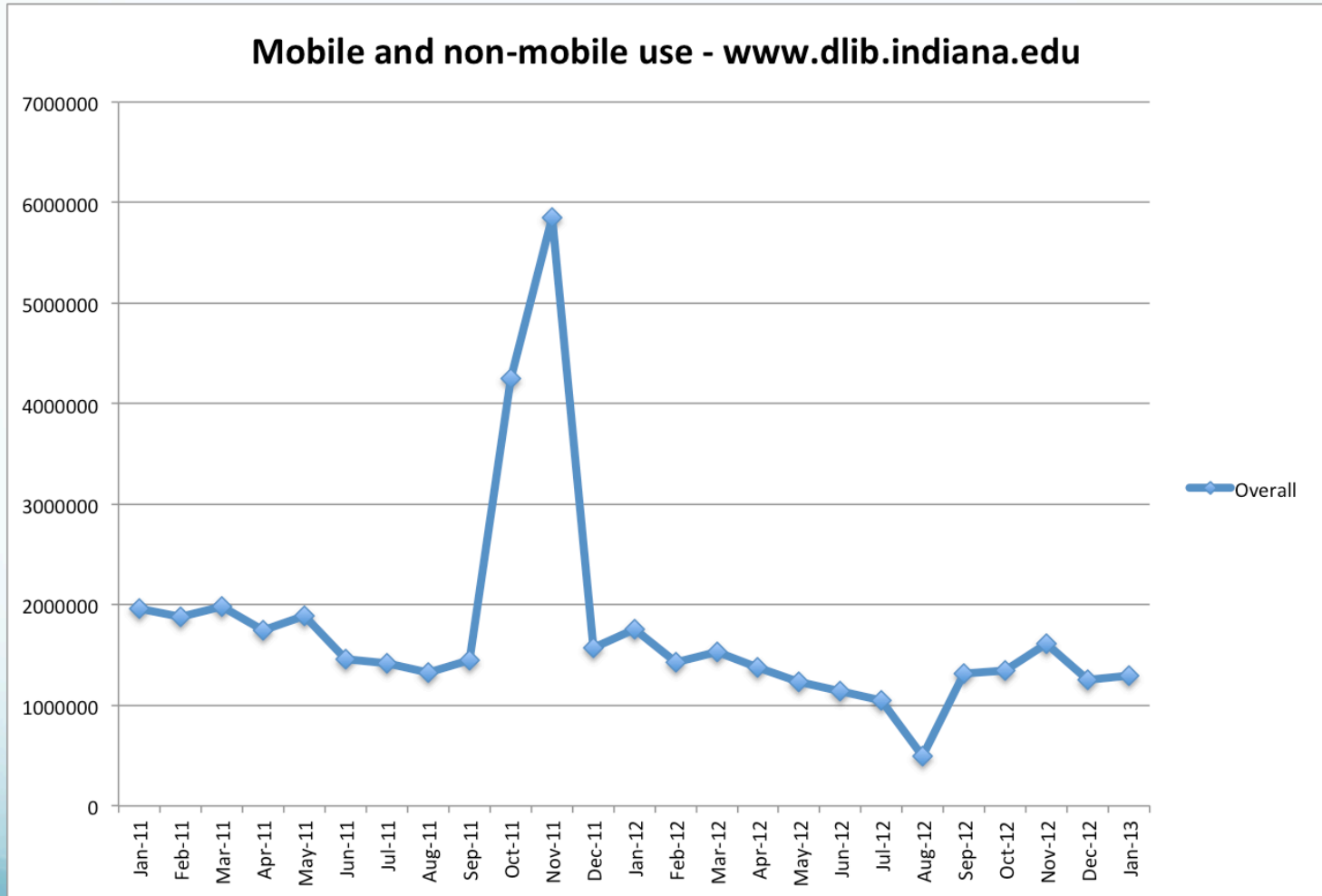
Juliet L. Hardesty  
Metadata Analyst/Librarian  
Metadata Resources & Systems  
Indiana University Libraries

# Who cares about mobile?

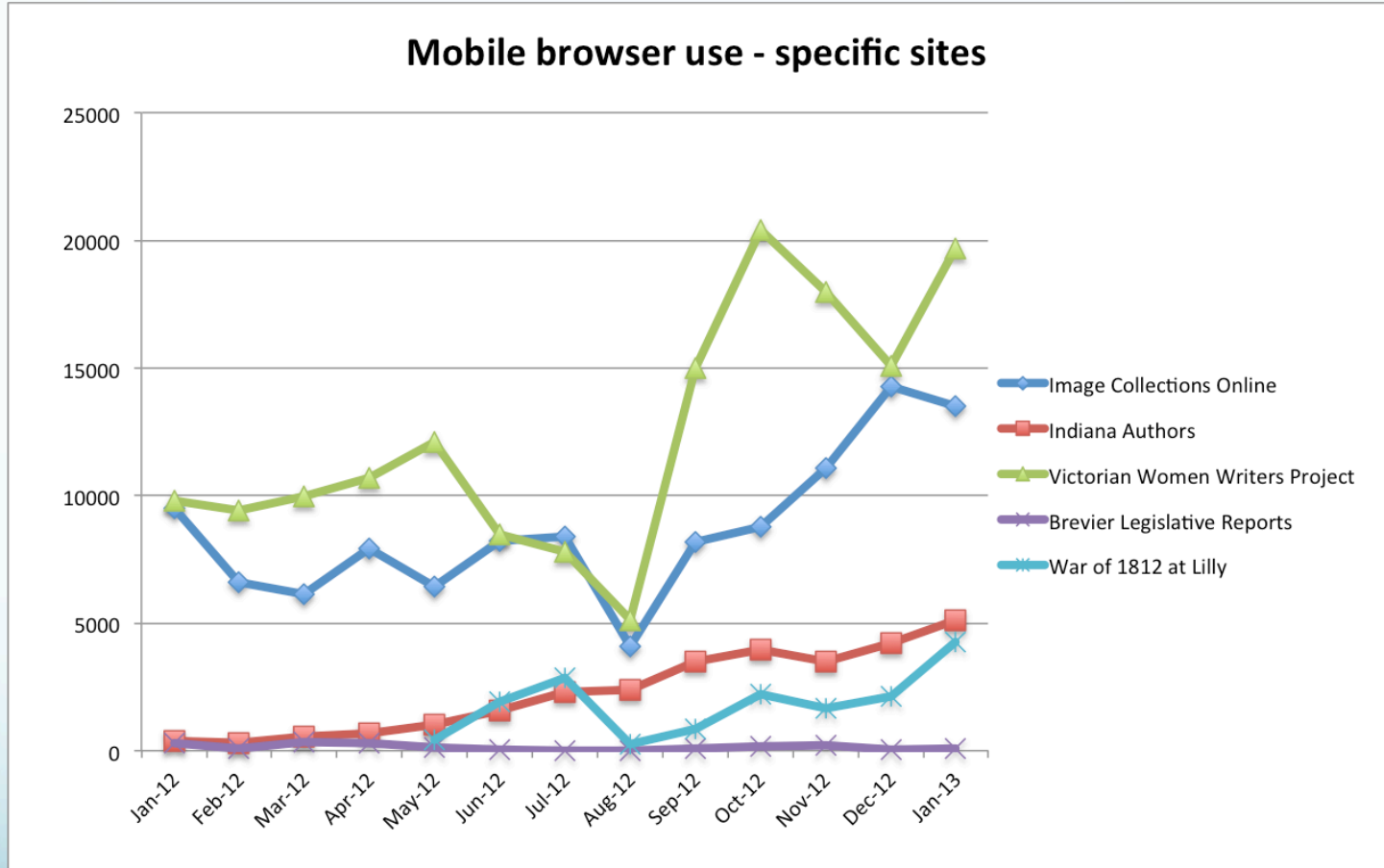
- We do. And we should.



# Yeah, well, any other graphs?



# What about digital collections?



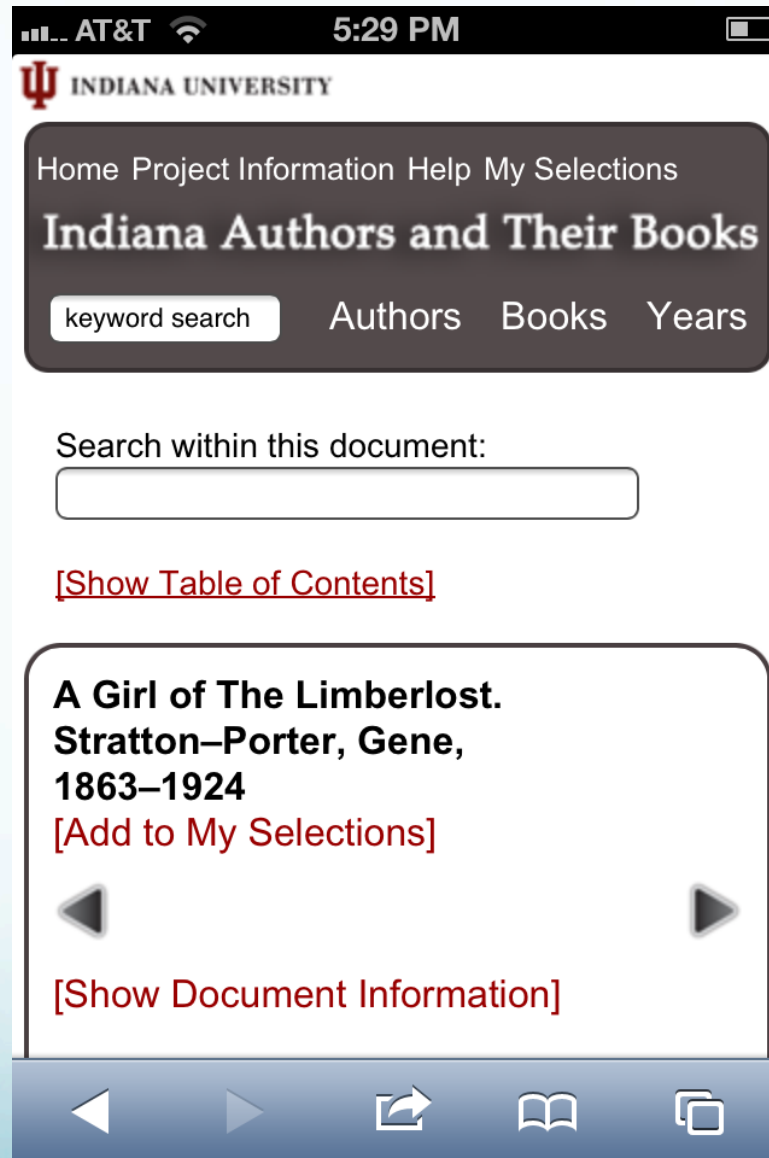
# OK, maybe there are mobile users out there.

- What's happening at IU for mobile, esp. for digital special collections in the libraries?
- What kind of options are there for making stuff mobile?
- Are there ways to test for mobile access?
- (if time) Do you know any good poems about mobile access?
- Follow along: <http://juliehardesty.com/mmm>

# Mobile Options

- Mobile version of web site
  - m.domain or domain/mobile
  - [CNN](#)
  - [IU Mobile](#)
  - [IUB Libraries Mobile](#)
- Responsive design
  - [About.com](#)
  - [A List Apart](#) (example)
  - [IU Communications](#)
- Mobile-optimized: CSS media query

# Indiana Authors and Their Books



# Victorian Women Writers Project

The screenshot shows a mobile application interface for the Victorian Women Writers Project. At the top, the status bar displays 'AT&T', signal strength, Wi-Fi, and the time '5:31 PM'. Below this is the Indiana University logo and name. The main content area has a dark red header with navigation links: 'Home', 'Project Information', 'Help', and 'My Selections'. The title 'Victorian Women Writers Project' is prominently displayed. A search bar contains the text 'keyword search'. Below the search bar are four tabs: 'Author', 'Title', 'Year', and 'Genre'. A section titled 'Search within this document:' includes a search input field and a link 'Back to search results'. A red link '[Show Table of Contents]' is visible. A featured entry for 'The Mighty Atom. Corelli, Marie, 1855–1924.' includes a red link '[Add to My Selections]', left and right navigation arrows, and a red link '[Show Document Information]'. At the bottom, a dark blue navigation bar contains icons for back, forward, share, book, and a document icon.



# Brevier Legislative Reports

AT&T 5:38 PM

INDIANA UNIVERSITY

Home Project Information Help My Selections

Maurer School of Law

**BREVIER LEGISLATIVE REPORTS.**

keyword search Proceedings Bills Volumes

Search within this document:

Back to [search results](#)

[\[Show Table of Contents\]](#)

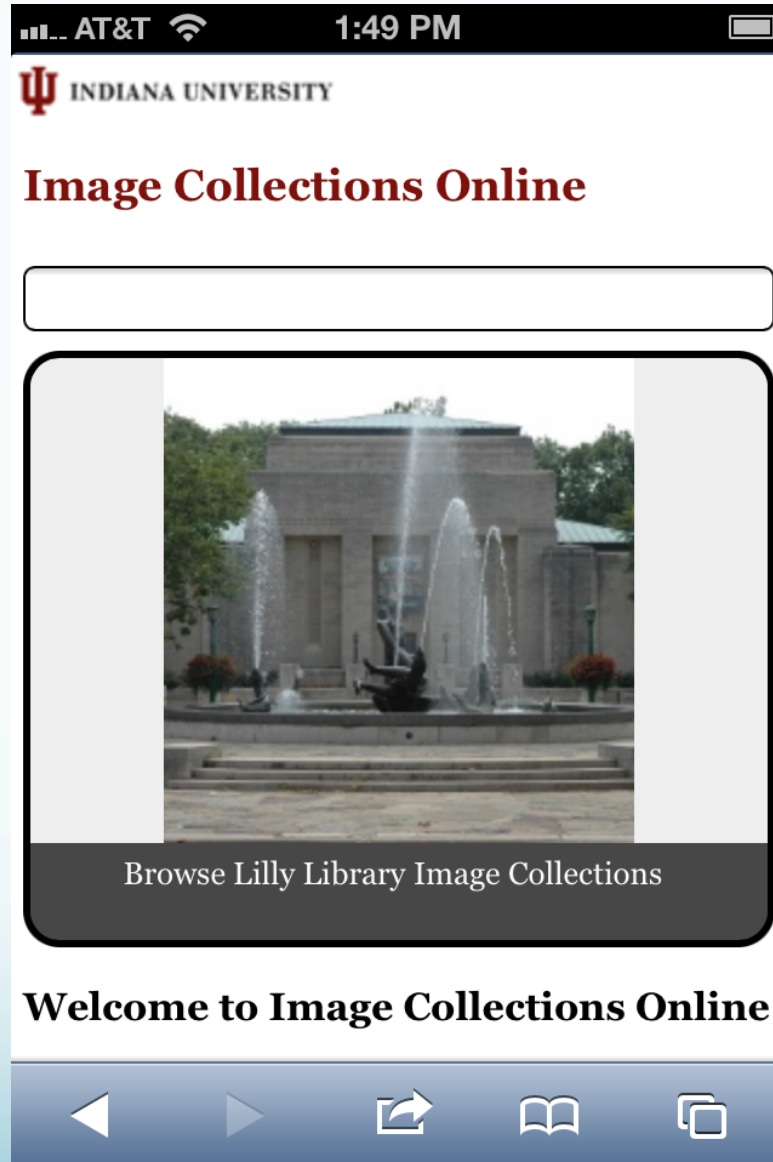
**Brevier Legislative Reports, Volume 5, 1861, 281 pp.**

[\[Show Document Information\]](#)

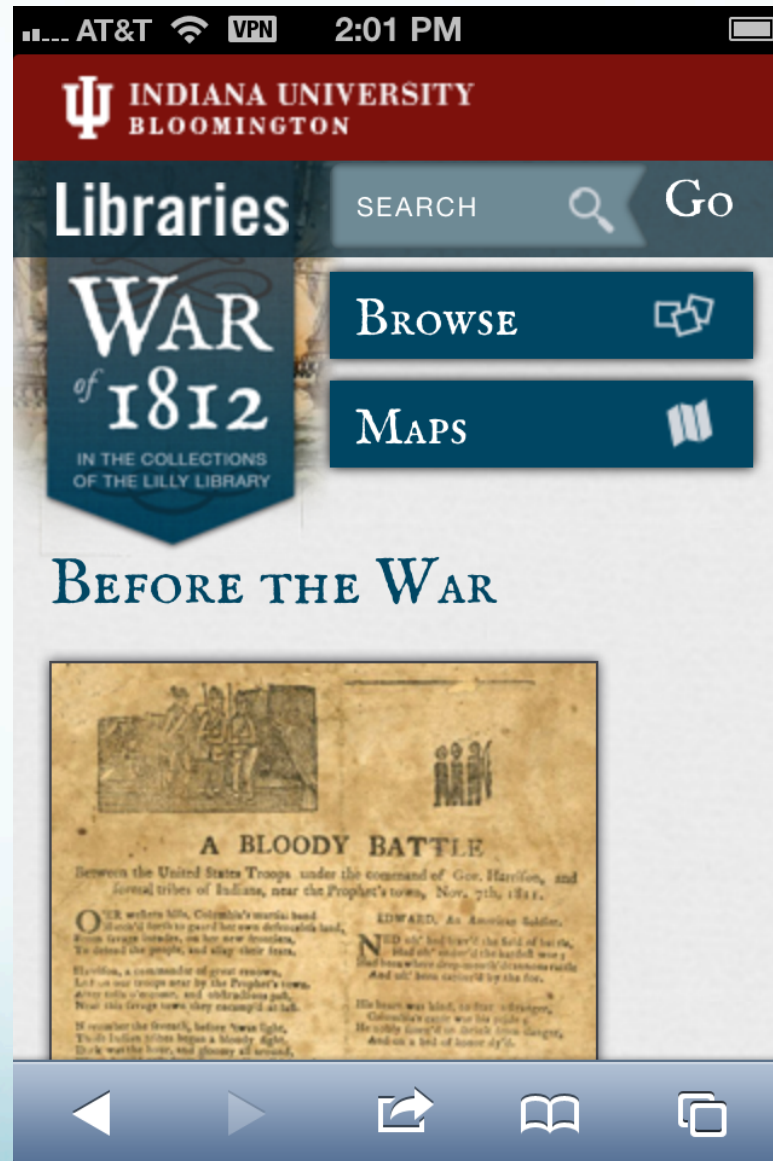
PAGE: [5]

Navigation icons: back, forward, share, book, print

# Image Collections Online



# War of 1812 in the Collections of the Lilly Library



# CSS media query: Under the hood

- The viewport
  - `<meta name="viewport" content="width=320, initial-scale=1.0, user-scalable=yes"/>`
- The media query inside CSS
  - `@media only screen and (max-device-width: 480px)`
- The media query inside HTML
  - `<link type="text/css" rel="stylesheet" media="only screen and (max-device-width: 480px)" href="small_device.css" />`
- [List of mobile and tablet viewport sizes with screen DPI and size](#) (December 2012, i-Skool)

# Testing Mobile

- You can pick your friends or you can pick your phones...
  - Testing actual devices with actual users always best
- Emulators
  - Still pretty unreliable in my experience
  - [Opera Mobile Emulator](#) (desktop application)
  - [Mobile phone emulator](#) from Pixmobi
  - [Screenfly](#)
- Include mobile CSS without media query

# Mobile-optimized considerations

- Text-based content: Think e-reader
  - Enlarge text
  - Maintain Table of Contents but make it easy to ignore
  - Overlays and page images not useful
- Image-based content: Images above all else
  - Position facets/navigation below visual content
  - Consider thumbnail size for viewing on mobile devices
    - 200px width minimum
- What do people want to do?
  - [Mobile Connections to Libraries](#). Pew Internet Research. (2012).

# Mobile design practices for digital special collections

- Examples
  - <http://purl.dlib.indiana.edu/iudl/vwwp/VAB7399>
  - <http://purl.dlib.indiana.edu/iudl/inauthors/VAA2376>
- Keep global navigation and global search
- Header/branding maintained in smaller images
- Collapsible sections for flexible viewing (TOC)
- Stack submenus (navigation above, facets below)
  - Use CSS to stack: `width:auto; float:none;`
- Hide functionality that isn't convenient on mobile
  - [Simile timeline](#)
  - [Advanced Search form](#) with multiple fields

# Mobile Musings

- [Making Mobile Meaningful](#)
  - Poster pitch at Digital Library Federation Fall Forum 2012, Denver, Colorado, November 4-5, 2012

Thank you!

Questions? Comments!

Julie Hardesty

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