

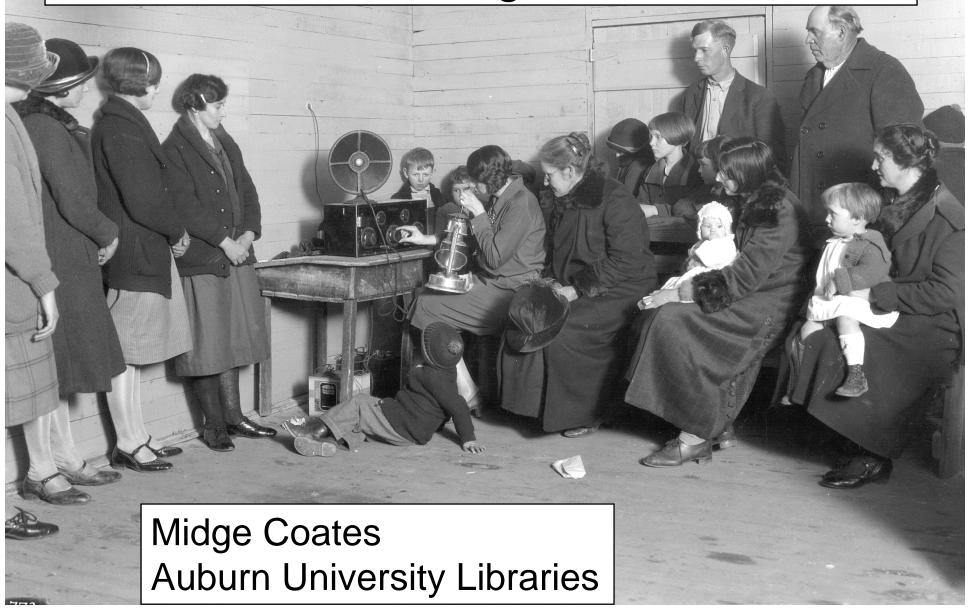
Breaking Up with CONTENTdm... AlabamaMosaic: Using VuFind to Index a Distributed Digital Collection

Midge Coates
Digital Projects Librarian
Auburn University Libraries

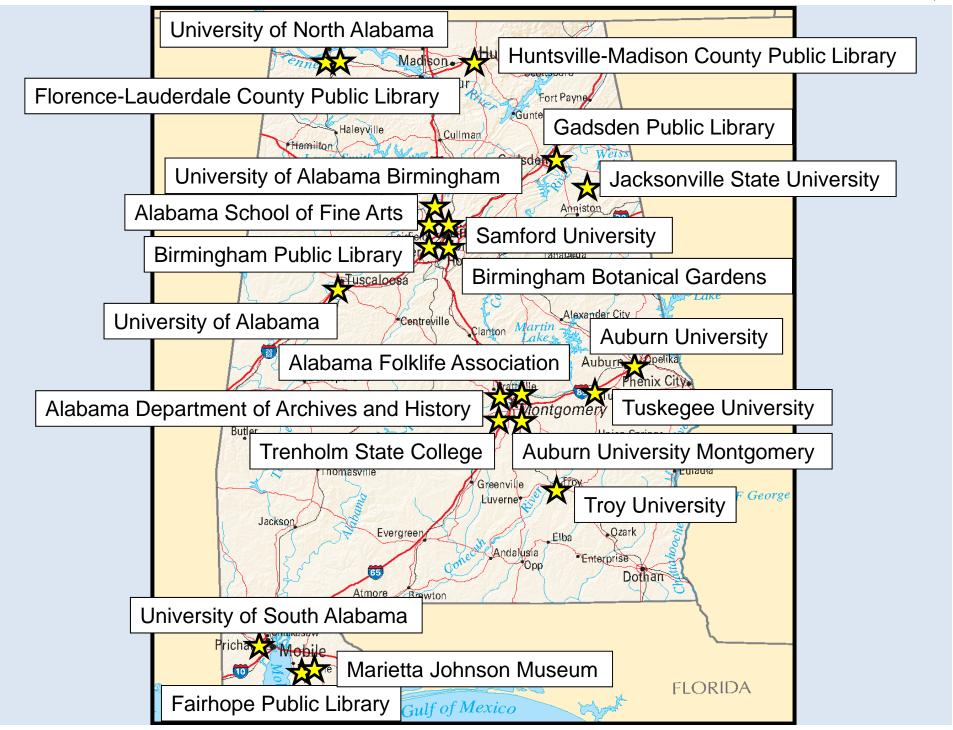




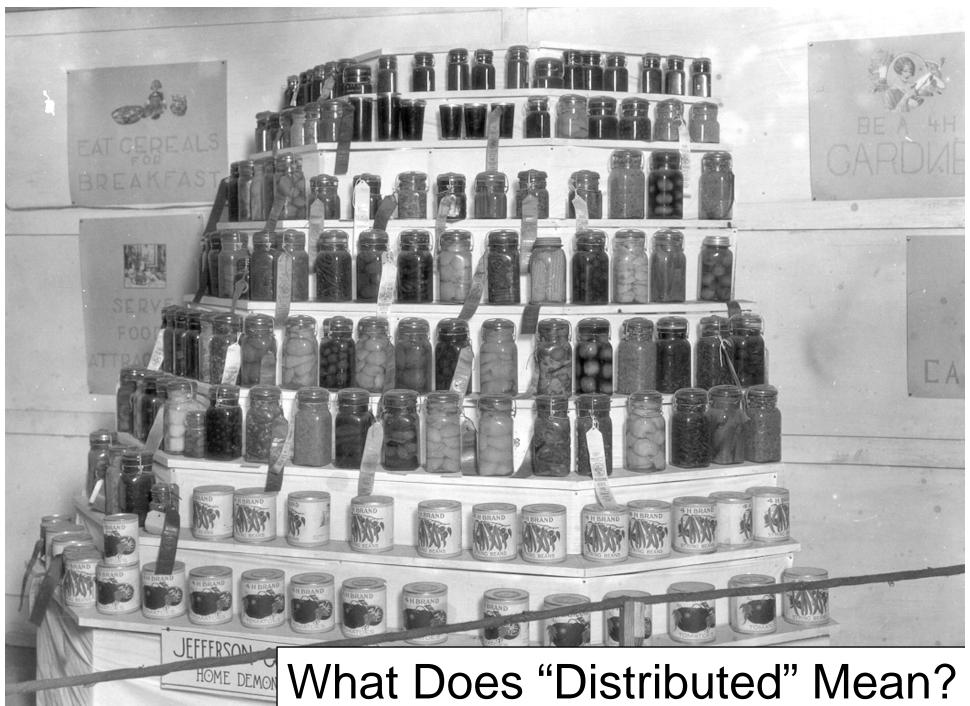
AlabamaMosaic: Using VuFind to Index a Distributed Digital Collection













Why Did We Leave MultiSiteServer?





- 2012: Page views for AlabamaMosaic Web site had been going down since 2010
- 65% of visits lasted 10 sec or less
- Traffic from AlabamaMosaic to Auburn's digital collections was 0.1%
- 2009 Survey: Users wanted a better search
- Rumor: OCLC would discontinue support for MultiSite Server "soon"
- University of Alabama digital collections no longer in CONTENTdm: MSS couldn't index







- Open source software => Local customization
- Local (Auburn) VuFind experience => Local expertise
- Intuitive public interface ("Google-like");
 better searches; facets for narrowing results
- VuFind can index digital collections via OAI-PMH and XSL transforms
- VuFind can index from content management systems other than CONTENTdm (MSS software can only index CONTENTdm collections)



What Metadata Fields Should We Use?





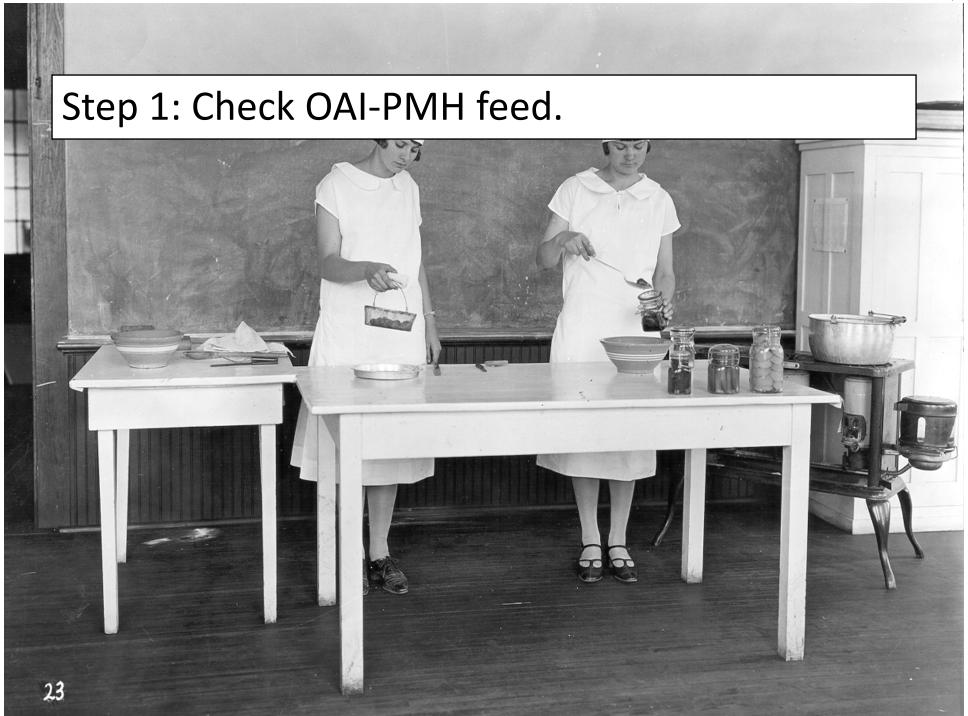
• Hard-coded:

- Collection name
- Institution/publisher name
- Harvested:
 - Link to item thumbnail
 - Link to item in native collection
 - Title
 - Creator(s)
 - Description
 - Subject terms

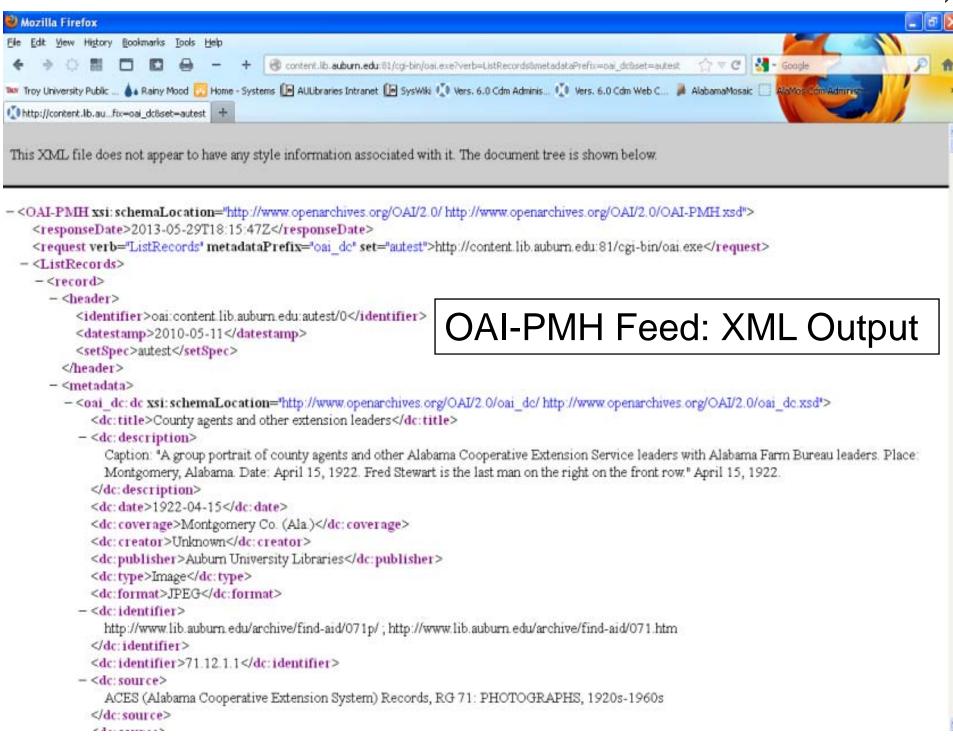














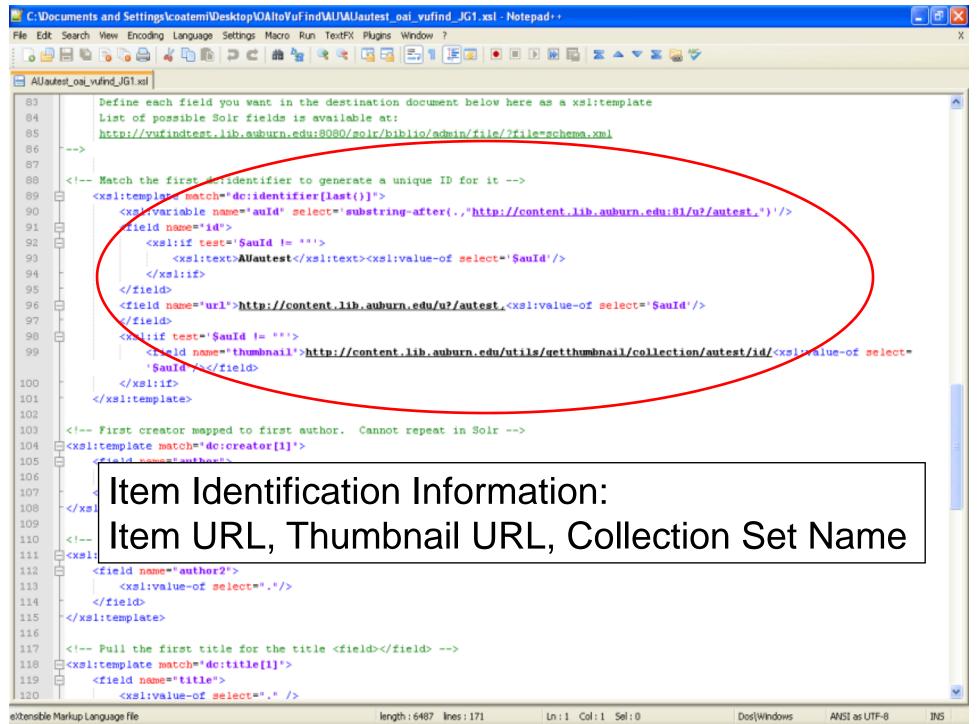




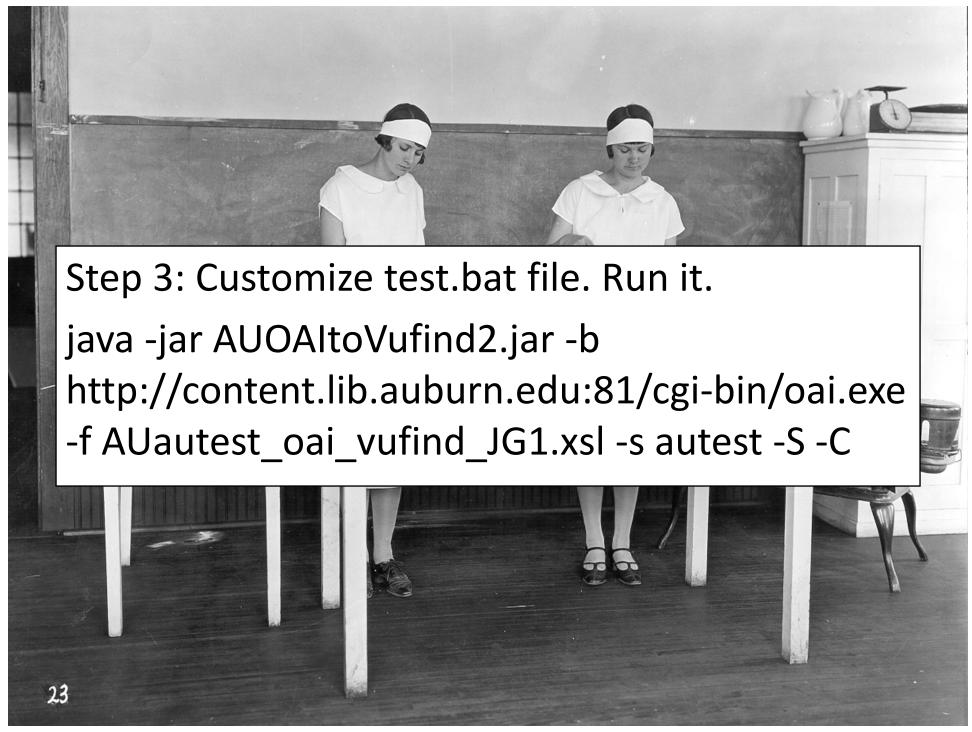
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🌌 C:Wocuments and Settings\coatemi\Desktop\OAltoVuFind\AU\AUautest_oai_vufind_JG1.xsl - Notepad++
File Edit Search View Encoding Language Settings Macro Run TextFX Plugins Window ?
 AUautest_oai_vufind_JG1.xsl
 51
       <!-- AU hard coded values and most of the <doc></doc> fields are generated or called from here -->
 52
       <!-- CUSTOMIZE THESE FOR EACH SOURCE -->
 53
         <xsl:template match "oal do:do">
                   <!-- Begin hard coded values -->
 54
                   <field name="format">Electronic</field>
 55
 56
                   <field name="collection">Alabama Cooperative Extension Service Photographs Collection</field>
 57
                   <field name="building">Auburn University Digital Library</field>
 58
                   <field name="publisher">Auburn University Libraries</field>
 59
                   <field name="topic">Alabama Cooperative Extension Service photos</field>
 60
                   <field name="fulltopic">Alabama Cooperative Extension Service photos</field>
                   <!-- End bard coded values -->
 61
 62
 63
                   <!-- Condense reptitive dc:description elements into one <field></field> -->
 64
                   <field name="description">
 65
                       <xsl:for-each select="do:des</pre>
                                                   Collection Information
                           <xsl:value-of select="."
 66
                       </xsl:for-each>
 67
 68
                   </field>
 69
 70
                   <!-- Condense all oai dc:dc elements into one <field></field> -->
 71
                   <!-- I assume this is for search purposes within VuFind- jdg -->
 72
                   <field name="allfields">
 73
                       <xsl:for-each select="*">
 74
                           <xsl:value-of select="."/>
 75
                       </xsl:for-each>
                   </field>
 76
 77
 78
                   <!-- Call all other field templates matching all children under oai dc:dc -->
 79
                   <xsl:apply-templates select="*"/>
           </xsl:template>
 81
 82
      白<!--
 83
            Define each field you want in the destination document below here as a xsl:template
 84
            List of possible Solr fields is available at:
 85
            http://vufindtest.lib.auburn.edu:8080/solr/biblio/admin/file/?file=schema.xml
 86
       -->
 87
 88
       <!-- Match the first dc:identifier to generate a unique ID for it -->
 89
           <xsl:template match="do:identifier(last()]">
```

eXtensible Markup Language file length: 6487 lines: 171 Ln:1 Col:1 Sel:0 Dos\Windows ANSI as UTF-8











```
🍧 C:Wocuments and Settings\coatemi\Desktop\OAltoVuFind\AU\tmpDir\4292013-133635\tmpFile1.xml - Notepad++
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tmpFile1.xml = tmpFile1.xml
       <?xml version="1.0" encoding="UTF-8"?>
  2
       <OAI-PMH xmlns="http://www.openarchives.org/QAI/2.0/"
  3
                 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  4
                xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/
  5
                http://www.openarchives.org/OAI/2.0/OAI-PMH.xsd'>
  б
          <responseDate>2013-05-29T18:36:31Z</responseDate>
  7
          <request verb="ListRecords" metadataPrefix="oai dc" set="autest">http://content.lib.auburn.edu:81/cqi-bin/oai.exe</request>
  8
         <ListRecords>
  9
           <record>
 10
              <header>
 11
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 12
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 13
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                                                                                            OAI Output File
 14
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 15
              <metadata>
 16
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 17
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                  xmlns:dc="http://purl.org/dc/elements/1.1/"
 18
 19
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 20
                  xsi:schemaLocation="http://www.openarchives.org/0AI/2.0/oai_dc/
                  http://www.openarchives.org/OAI/2.0/oai dc.xsd'>
 21
 22
                  <dc:title>County agents and other extension leaders</dc:title>
 23
                  <do:description>Caption: &quot;A group portrait of county agents and other Alabama Cooperative Extension Service leaders
                 with Alabama Farm Bureau leaders. Place: Montgomery, Alabama. Date: April 15, 1922. Fred Stewart is the last man on the
                  right on the front row. aquot; April 15, 1922. </dc:description>
 24
                  <dc:date>1922-04-15</dc:date>
 25
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 26
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 27
                  <dc:publisher>Auburn University Libraries</dc:publisher>
 28
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                  </dc:identifier>
 31
                  <dc:identifier>71.12.1.1</dc:identifier>
 32
                  <dc:source>ACES (Alabama Cooperative Extension System) Records, RG 71: PHOTOGRAPHS, 1920s-1960s</dc:source>
                  <dc:source>Auburn University. Special Collections and Archives</dc:source>
 33
 34
                  <dc:relation>http://www.lib.auburn.edu/sca/; http://www.lib.auburn.edu/archive/find-aid/071p/;
                 http://www.lib.auburn.edu/archive/find-aid/071p/agents/</dc:relation>
                  <dc:rights>This image is the property of the Auburn University Libraries and is intended for non-commercial use. Users
 3.5
```

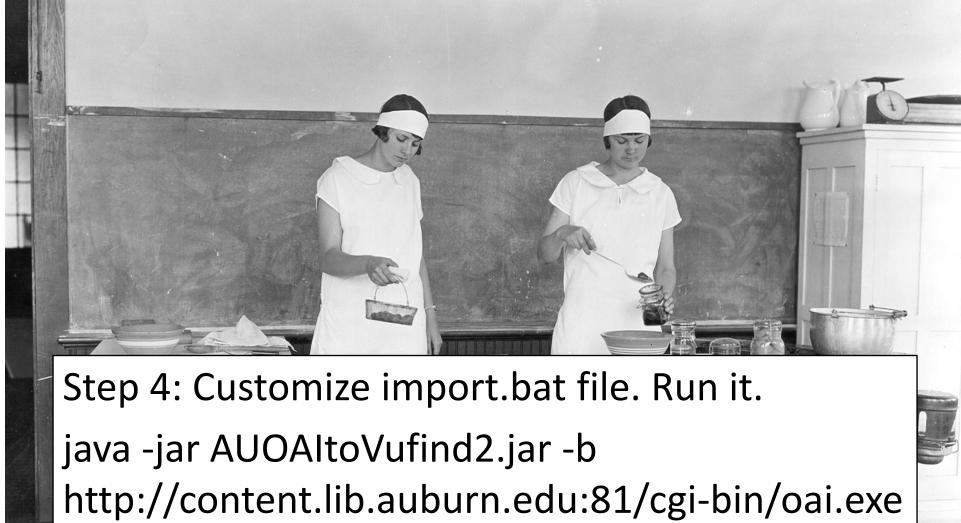
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🏅 C:Wocuments and Settings\coatemi\Desktop\OAltoVuFind\AU\tmpDir\4292013-133635\vuFind\tmpFile1.xml - Notepad++ File Edit Search View Encoding Language Settings Macro Run TextFX Plugins Window ?]₃ 🔒 🗎 🐿 🕞 😘 🚵 🚜 😘 🛍 🕽 C l 🛍 🗽 🔍 🔍 🖳 🖫 🖺 1 🗐 🗐 📵 🗩 🗷 🖼 💆 💆 tmpFile1.xml = tmpFile1.xml <?xml version="1.0" encoding="UTF-8"?> -<add xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:d="http://www.openarchives.org/0AI/2.0/" xmlns:oai dc=" http://www.openarchives.org/OAI/2.0/oai_dc/"> 3 ⊟<doc> 4 <field name="format">Electronic</field> <field name="collection">Alabama Cooperative Extension Service Photographs Collection</field> 6 <field name="building">Auburn University Digital Library</field> OAI Output, Transformed 7 <field name="publisher">Auburn University Libraries</field> 8 <field name="topic">Alabama Cooperative Extension Service photos</field> 9 <field name="fulltopic">Alabama Cooperative Extension Service photos</field> 10 <field name="description">Caption: "A group portrait of county agents and other Alabama Cooperative Extension Service leaders with Alabama Farm Bureau leaders. Place: Montgomery, Alabama. Date: April 15, 1922. Fred Stewart is the last man on the right on the front row. April 15, 1922.JPEG image from black-and-white photograph. </field> 11 <field name="allfields">County agents and other extension leadersCaption: "A group portrait of county agents and other Alabama Cooperative Extension Service leaders with Alabama Farm Bureau leaders. Place: Montgomery, Alabama. Date: April 15, 1922. Fred Stewart is the last man on the right on the front row." April 15, 1922.1922-04-15Montgomery Co. (Ala.)UnknownAuburn University LibrariesImageJPEGhttp://www.lib.auburn.edu/archive/find-aid/071p/; http://www.lib.auburn.edu/archive/find-aid/071.htm 71.12.1.1ACES (Alabama Cooperative Extension System) Records, RG 71: PHOTOGRAPHS, 1920s-1960sAuburn University. Special Collections and Archiveshttp://www.lib.auburn.edu/sca/; http://www.lib.auburn.edu/archive/find-aid/071p/; http://www.lib.auburn.edu/archive/find-aid/071p/agents/This image is the property of the Auburn University Libraries and is intended for non-commercial use. Users of the image are asked to acknowledge the Auburn University Libraries. For information about obtaining high-resolution copies of this and other images in this collection, please contact the Auburn University Libraries Special Collections tamp; Archives Department at archive@auburn.edu or (334) 844-1732,JPEG image from black-and-white photograph.Alabama Cooperative Extension Service -- Officials and employees; County agricultural agents -- AlabamaAlabama; Agricultural Extension ServicesengNicol, Bethhttp://content.lib.auburn.edu:81/u?/autest.0</field> 12 <field name="title">County agents and other extension leaders</field> 13 <field name='author'>Unknown</field> 14 <field name="fulltopic">Alabama Cooperative Extension Service -- Officials and employees; County agricultural agents -- Alabama 15 <field name="fulltopic">Alabama; Agricultural Extension Services</field> 16 <field name="id">AUautest0</field> 17 <field name="url">http://content.lib.auburn.edu/u?/autest.0</field> 18 <field name="thumbnail">http://content.lib.auburn.edu/utils/getthumbnail/collection/autest/id/0</field> 19 </doc> 20 =<doc> 21 <field name="format">Electronic</field> 22 <field name="collection">Alabama Cooperative Extension Service Photographs Collection</field> 23 <field name="building">Auburn University Digital Library</field> 24 <field name="publisher">Auburn University Libraries</field>

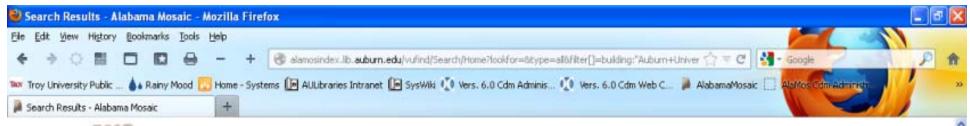
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- Contributor: Auburn University Libraries
- Collection: Alabama Cooperative Extension Service Photographs Collection

Contributor

Auburn University Libraries (993)

Collection

Alabama Cooperative Extension Service Photographs Collection (823)

thor.

Unknown (759)

Lowery, J. C. (48)

Landrum, G. W. (George Washington),

1880-1955 (6)

Green, E. H. (4)

Poland, Carter D. (2)

more...

Topic

Alabama Cooperative Extension Service photos (823)

Showing 1 - 20 of 823 Results for

County agents and other extension leaders

by Unknown Publisher: Auburn University Libraries

Electronic

Ira D. Vail and E. C. Bledsoe, 1928

by Green, E. H. Publisher: Aubum University Libraries

Electronic

s. Cheeseman's new force pump and bathtub, 1926

by Lyknown Publisher: Auburn University Libraries

Electronic



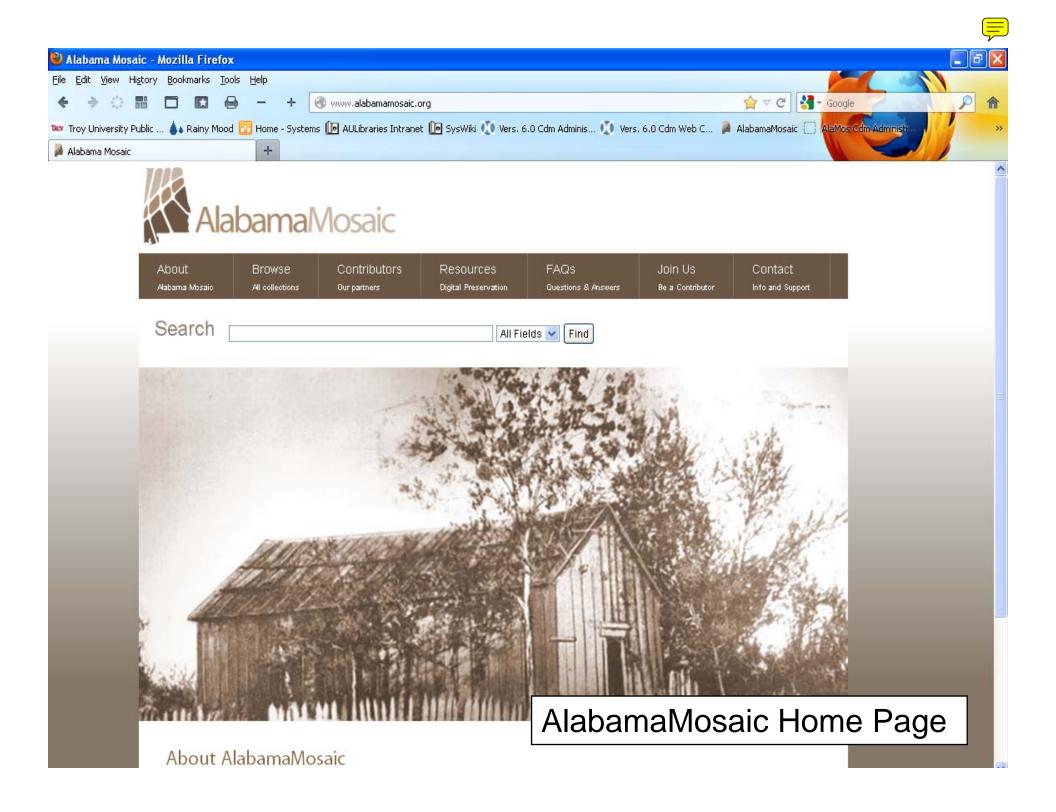
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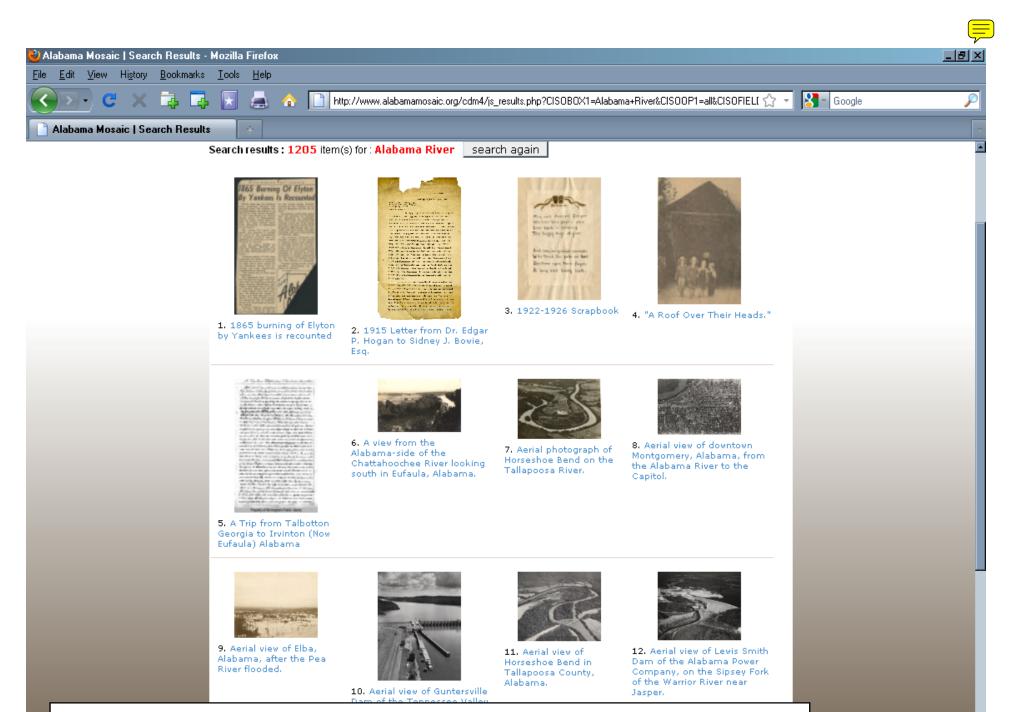






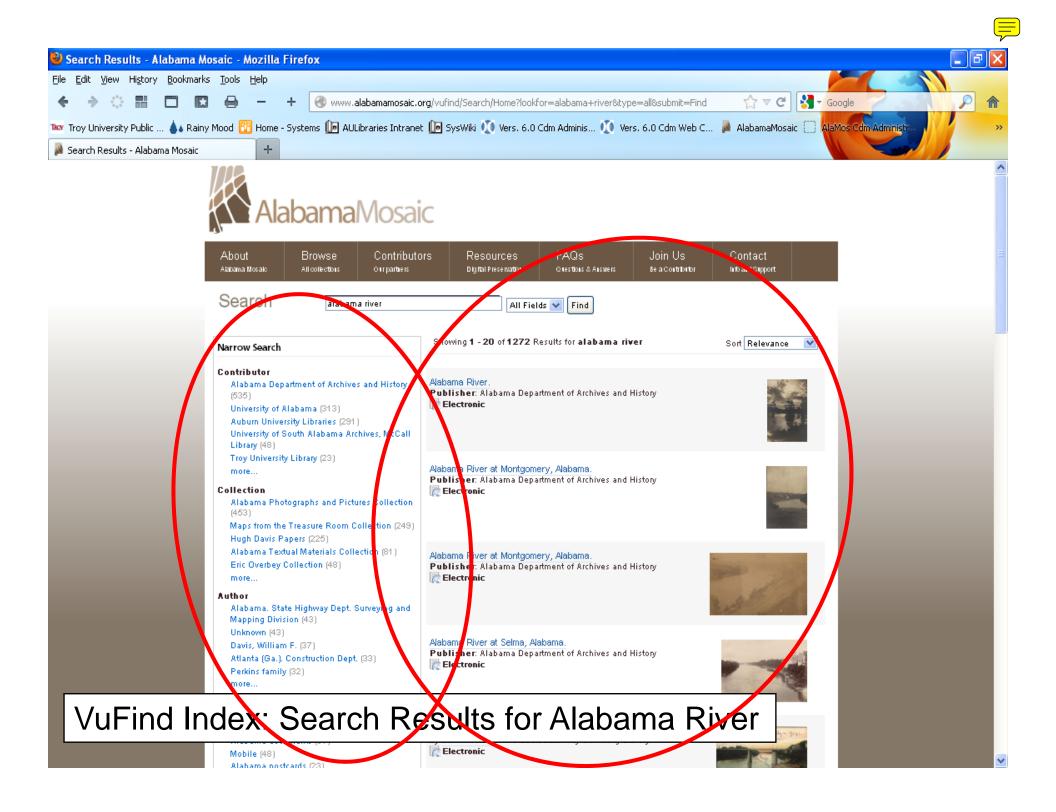




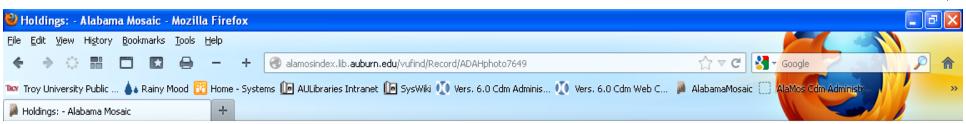


MultiSite Server: Search Results for Alabama River

E











All Fields V Find



Alabama River at Selma, Alabama.



Search

Format: Electronic

Link: http://digital.archives.alabama.gov/cdm/ref/collection/photo/id/7649

Published: Alabama Department of Archives and History

Subjects: Alabama Photographs and Pictures

Bodies of water; Buildings; Rivers; Alabama River (Ala.); Selma (Ala.); Dallas County (Ala.)

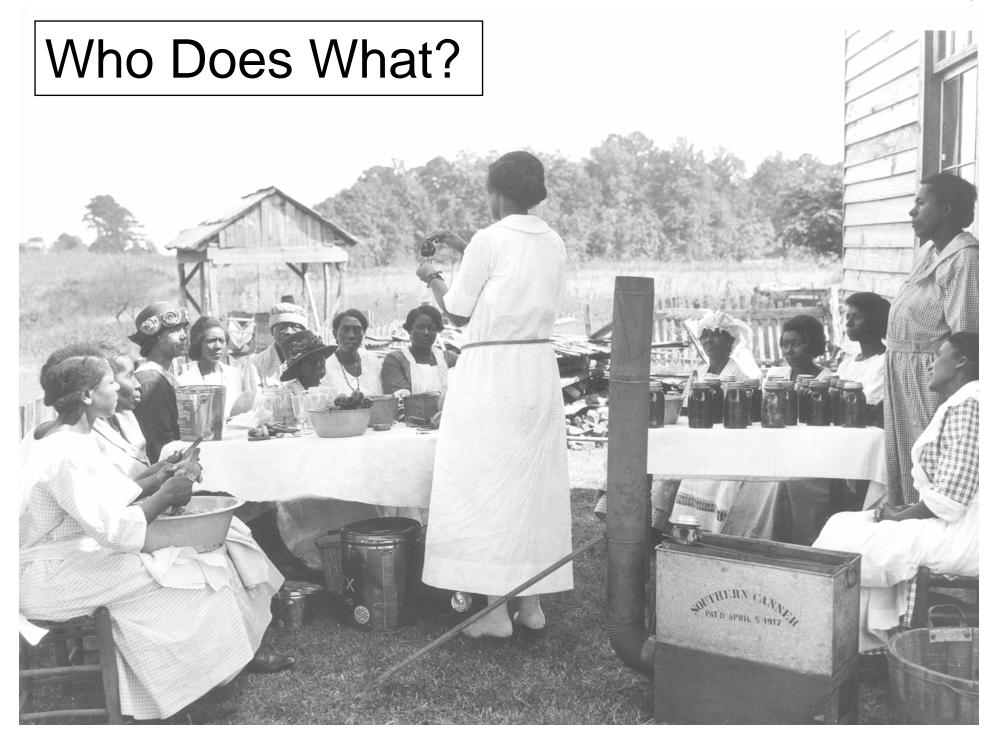






Holdings: - Alabama Mosaic ⊗ 2013 contributing institutions unless otherwise stated



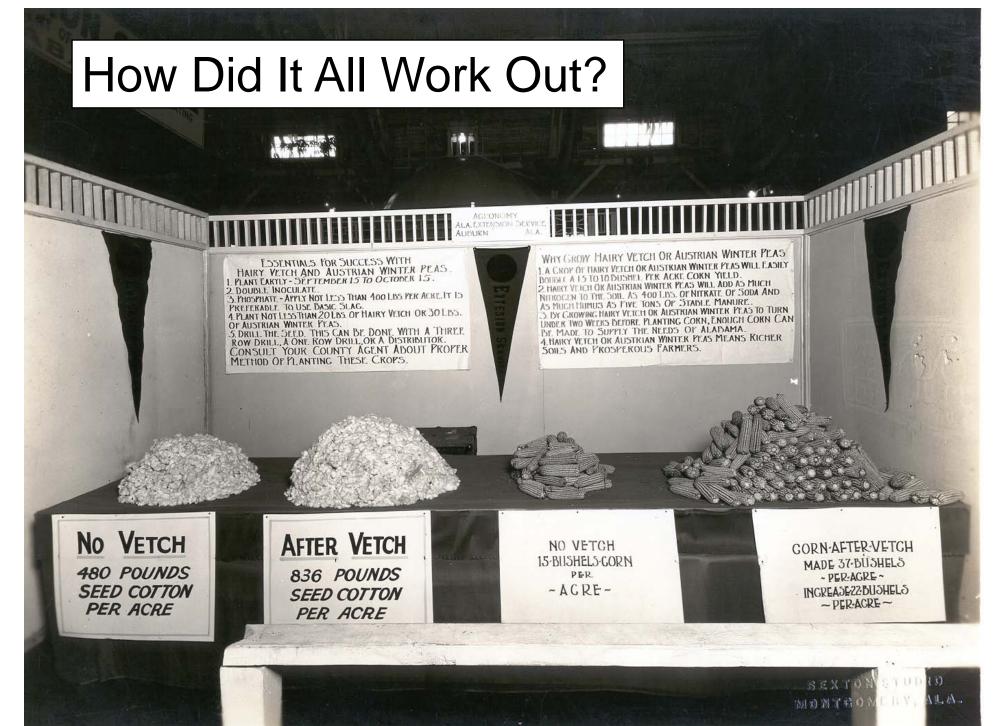




Programmers:

- Created VuFind instance
- Created XSLT file templates
- Created Java tools and bat file templates
- Manage database at server level
- Trouble-shoot as needed
- Digital Projects Librarian:
 - Monitor changes in native collections
 - Create XSLTs and bat files for new collections/update for existing collections
 - Harvest collections as needed
 - Trouble-shoot as needed







- AlabamaMosaic page views tripled
- Number of visits lasting 10 sec or less went down to 49% (from 65%)
- Traffic from AlabamaMosaic to Auburn's collections went up to 4.7% (from 0.1%)
- People tell us they like the new look and the new search function.
- When OCLC discontinued support for MSS,
 VuFind was already in place.
- We have indexed the UA Acumen collection and an Auburn dSpace collection, along with all the CONTENTdm collections



