The Care and Feeding of Digital Collections

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Digital/traditional collections

Similarities
- Selection/acquisition
- Description for discovery
- Preservation concerns

Differences
- Preservation practices
- Storage
- Access
Libraries and Technology

The past

The future
Meaningful Engagement

- Predictability and comprehensiveness
- Interoperability
- Transactionability
- Preservability
The Digital Preservation System

hardware, software, and network infrastructure
The Digital Preservation System

specialized services to manage the archived content residing in the system

hardware, software, and network infrastructure
The Digital Preservation System

- preservation measures
- specialized services to manage the archived content residing in the system
- hardware, software, and network infrastructure
The Digital Preservation System

services that support browsing or searching, access requests, validating access permissions, and arranging for delivery

preservation measures

specialized services to manage the archived content residing in the system

hardware, software, and network infrastructure
OAIS Environment

Producer → OAIS (archive) ← Consumer

Management
METADATA
A school attendance officer in Arkansas was asked to find out why a 15-year-old boy was falling asleep during his classes: "When I investigated, I found that this boy and another boy, 14 years old, were working until midnight every night at a local drug store—and trying to go to school each day. I found another 15-year-old boy working until midnight at another drug store. I found a 13-year-old boy working in a grocery store. He had missed several days in school—so he could work in the store."

**Legislative Backsliding**

The fact that child labor regulations are stricter now than they were in 1917 is perhaps the explanation for one trend that is evident today but was absent in the years of the First World War—namely, an attempt to lower standards by legislative action. For the most part these proposals have come from industries which have long opposed child labor legislation. Numerically the greatest number of "breakdown" bills have been to permit school boys to work late at night in bowling alleys. In several states bills were introduced in state legislatures in 1941 and 1942 to relax age or night work regulations for pin boys. Most of these were unsuccessful. Still pending, however, is a bill in New Jersey lowering from 16 to 15 years the minimum age for work in bowling alleys and extending from 11:30 p.m. to 1:30 a.m. the hours during which boys under 18 may work. Also pending is a New York bill extending from midnight to 3 a.m. the hours for boys of 16 and 17 years.

Cannery regulations have been another target. In New Jersey a bill permitting the Commissioner of Labor to suspend the provisions of the child labor law relating to canneries is pending. It has also been suggested by some canners' associations, though not yet embodied in legislation, that the child labor provisions of the Wages and Hours Act should be amended to permit employment in canneries at 14 years instead of 16 years.

Some sugar beet growers' associations have suggested that the minimum age under the Sugar Act should be lowered from 14 to 10 years, pointing out that "this is an open air job where farm boys and girls can work in their natural element."
“... an XML schema designed for the purpose of creating XML document instances that express the hierarchical structure of digital library objects, the names and locations of the files that comprise those digital objects, and the associated descriptive and administrative metadata” (Cundiff 2004, 53).
Sections of a METS Document

- **METS header (metsHdr)**
- **Descriptive metadata (dmdSec)**
- **Administrative metadata (amdSec)**
- **File section (fileSec)**
- **Structural map (structMap)**
- **Structural links (structLink)**
- **Behavior (behaviorSec)**
External descriptive metadata

<mets:dmdSec ID="dmd001">
<mets:mdRef LOCTYPE="URN" MDTYPE="MARC"
xlink:href=http://lcweb2.loc.gov/cgi-bin/query/r?pp/ils:@field(NUMBER+@band(cph+3c17261))/>
</mets:dmdSec>
<dmdSec ID="dmd002">
  <mdWrap MIMETYPE="text/xml"
    MDTYPE="DC" LABEL="Dublin Core Metadata">
    <xmlData>
      <dc:title>Alice's Adventures in Wonderland</dc:title>
      <dc:creator>Lewis Carroll</dc:creator>
      <dc:date>between 1872 and 1890</dc:date>
      <dc:publisher>McCloughlin Brothers</dc:publisher>
      <dc:type>text</dc:type>
    </xmlData>
  </mdWrap>
</dmdSec>
Administrative Metadata

- Technical Metadata
- Intellectual Property Rights Metadata
- Source Metadata
- Digital Provenance Metadata
Administrative Metadata

<techMD ID="AMD001">
<mdWrap MIMETYPE="text/xml" MDTYPE="NISOIMG" LABEL="NISO Img. Data">
  <xmlData>
    <niso:MIMEtype>image/tiff</niso:MIMEtype>
    <niso:Compression>LZW</niso:Compression>
    <niso:PhotometricInterpretation>8</niso:PhotometricInterpretation>
    <niso:Orientation>1</niso:Orientation>
    <niso:ScanningAgency>NYU Press</niso:ScanningAgency>
  </xmlData>
</mdWrap>
</techMD>
Structural Map expresses the hierarchical relationships of the components within the digital object.
other members are out picking cotton. If an order were issued to keep the children in school, they would obey but wouldn't be interested.

October 6.
Camp W.......... (Negro). There is no school and never has been one. These camp children and others in the district are going to school in two church buildings. The total number of children in the school is about 160. When the camp is filled up, it alone will have about 120 children. There were only 25 in attendance the day I was there. The manager says they are not receiving as good schooling as their parents before them had, and that was little enough.

October 7.
Interviewed J......... R.........., father of two girls, Ellace: who should have been in the third grade, and Fredafay, who belongs in the second. Instead, this morning Ellace picked 105 pounds of cotton and Fredafay, 87 pounds. I talked with the father, who was at first inclined to be stubborn, saying that he would send them to school when he was through picking. But later he relented somewhat and said he would try to get them there the following Monday. He has twenty acres of wild-cat cotton. This means he must pay a tax of seven cents a pound for all he picks.

October 29.
Visited Ernest** (13) and Elmer Aaron (13), absent 14 and 11 days from the sixth and fifth grades. Their father is a sharecropper. He has picked 18 bales, 9 for himself. Has sharecropped all his life. His wife wants the children to go to school because she can't read and write. Wife has pellagra.

* See photograph on front cover page.
** See photograph on back cover page.
ANECDOTES

GIRLS.

PREFACE

It was my intention to illustrate several

advantages noticed in my work for boys,
Structural Section

Used to link pages of a digitally archived website
<METS:behavior ID="DISS1.1" STRUCTID="S1.1" BTYPE="uva-bdef:stdImage"
CREATED="2002-05-25T08:32:00" LABEL="UVA Std Image Disseminator"
GROUPID="DISS1" ADMID="AUDREC1">
<METS:interfaceDef LABEL="UVA Standard Image Behavior Definition"
LOCTYPE="URN" xlink:href="uva-bdef:stdImage"/>
<METS:mechanism LABEL="A NEW AND IMPROVED Image Mechanism"
LOCTYPE="URN" xlink:href="uva-bmech:BETTER-imageMech"/>
</METS:behavior>
BOOTHEEL SCHOOL ATTENDANCE AND THE LAW

School attendance is compulsory in Missouri for all children between 7 and 16 years, unless they have completed the eighth grade or are 14 and engaged in some useful employment or service for at least six hours a day. The minimum length of the term is eight months.

Children under 14 are prohibited from working in any gainful occupation, except children in any service for their parents or guardians and children working when the public schools are not in session in industries employing not more than six people. Children from 14 to 16 years may be employed if they secure employment certificates, one requirement for a work certificate during school hours being the completion of the sixth grade. However both agriculture and domestic service are specifically exempted from all provisions of the child labor law.
Technical Issues
Organizational Issues
Legal Issues