Topics

- The Collections
- Forensics Lab
- AIMS (An Inter-Institutional Model for Stewardship)
- Hypatia software development
- Other efforts of note (training, data mining)
Collection Acquisitions in the 1990s

• Apple Computer Inc. records
• Douglas Engelbart papers
• Stephen Cabrinety collection

• By 2000, over 9,000 items of legacy computer media received as part of hybrid collections
And More Collections

- Stephen Jay Gould (documents)
- Keith Henson papers re: to Project Xanadu (applications)
- Robert Creeley (email)
- Peter Koch (design files)
More collections, new challenges

Robert Creeley born-digital May 2011 addenda:

- 7 computers
- 3 zip drives
- 121 optical discs
- 422 3.5-inch floppy diskettes
- 1 Zip 250 USB Drive
- 1 Olympus Camedia CF/SmartMedia Reader
- 1 Olympus C-4000 Camedia Digital Camera & flash cards
- 1 20-gigabyte iPod

Robert Creeley
FRED (Forensic Recovery Evidence Device: Digital Intelligence) Software: FTK suite (AccessData) - EnCase
Dear Peter,

Unfortunately we do not manufacture any motherboards now a days which can support the 5.25 floppy. The interface are different than 3.5 and they are becoming obsolete and are no longer available on the newer motherboards.
Capture Failure Statistics

- Stephen Jay Gould – 5 %
- Robert Creeley – 6 %
- Xanadu hard disk drives – 67%
AIMS Born-Digital Collections:
An Inter-Institutional Model for Stewardship

The AIMS project, funded by the Andrew W. Mellon Foundation, represents a co-operative strategy among four partner institutions to energize collection development in the area of born-digital papers, and to empower librarians and archivists in the management of born-digital assets. The four partners in the project led by the University of Virginia are Stanford University, University of Hull and Yale University.

Funded by the Andrew W. Mellon Foundation
Hypatia

• Developed on Hydra technology stack:
  • Fedora
  • Solr
  • Blacklight

• Hypatia is a Hydra application for arranging, describing, and delivering born digital archival content

• Application under development – demo app by Oct. 2011
Hypatia

• Wiki - https://wiki.duraspace.org/display/HYPAT/Home
• JIRA - https://jira.duraspace.org/browse/HYPAT
CM01

PID: hypertexture_xanadu_drivel

DESCRIPTION

Local Identifier: CM01

Extent: 1.0 computer media, hard drive

Located In: Bare Digital Materials - Carton 11 - Computer disks / tapes

Digital Origin: born digital

Processing Information: The capacity of CM01 is 2048 MB and CM01.dd is the image file created by AccessData's FTK software. CM01.log is the log for the imaging process; CM01.csv is the directory listing of the files in the image; CM01_1.jpg and CM01_2.jpg are the photograph images of the drive.

FILES

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<tr>
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<th>Size</th>
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<td>CM01.csv</td>
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TECHNICAL INFO
Additional Work of Note

• Training of Stanford library staff in forensic / logical capture as well as use of FTK

• Visualization of born digital collections
  • Robert Creeley Email Network Graph showing connection between Robert Creeley and poet Gerard Malanga – Elijah Meeks
  • Data mining of sentiment in email archives - MUSE prototype software by Sudheendra Hangal, Computer Science PhD

Peter Rutledge Koch papers
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<th>create date</th>
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Diagram:
- CHS
- BIOS
- Disk
- LBN
- FAT
AccessData FTK

- Create New Case
- Technical Metadata Extracted by FTK
- View Files in “obsolete” File Formats
- View Image Files as Thumbnails
- Search for Restricted Files using Index / Pattern Search
- Flag Restricted Files as Privileged
- Change Column Settings to Include or Exclude Information
- Apply Filter to Items to be Displayed
- Arrange Files in Series / Subseries by Assigning Bookmarks
- See Files by Bookmarks
- Create and Assign Labels to Files
- View Files by Labels
Creeley’s Email Network
## Email Mining on Peter Koch’s Emails

### ORGANIZE YOUR GROUPS

You can drag, drop, clone and delete people, or merge, clone and delete entire groups. You can also give meaningful names to the groups. Colors rotate after 20 groups. Terms on the next page.

### Super individuals

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<thead>
<tr>
<th>Color</th>
<th>Name</th>
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<tr>
<td>Blue</td>
<td>Susan Filter</td>
</tr>
<tr>
<td>Orange</td>
<td>Roberto G. Trujillo</td>
</tr>
<tr>
<td>Orange</td>
<td>Robert Brinthurst</td>
</tr>
<tr>
<td>Green</td>
<td>Jonathan Gerkin</td>
</tr>
<tr>
<td>Blue</td>
<td>Max Koch</td>
</tr>
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</table>

### Super groups

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<th>Name</th>
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<tbody>
<tr>
<td>Orange</td>
<td>duke.collier+3</td>
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<tr>
<td>Green</td>
<td>susan+1</td>
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<tr>
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<tr>
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<td>agarris1+44</td>
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<tr>
<td>Green</td>
<td>alyssa+44</td>
</tr>
</tbody>
</table>

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**Emails**

- duke.collier3
- duke.collier
- Carollee Campbell
- Susan Filter
- Roberto G. Trujillo

**Groups**

- agarris1@swarthmore.edu
- ahanes@umich.edu
- artc@aol.com
- barbara.fahrner@fahrnerandfahrner.com
- Beth Kushner
- Bill Finley
- carvare@gmail.com
- cfavretto@library.ucla.edu
- Connell Gallagher
- dhenney@library.ucla.edu
- Donald Glaster
- douglas@clarellens.com
- editionsroselin@hotmail.com
- fliedgere@unl.edu
- halaweis@missouri.edu
- henkel@burgart-presse.de
- hgora@pepperdine.edu
- Hocking Joanne
- igewirtz
- info@boxcarpress.com
- info@foolscapress.com
- ingleton@tuttle_tokyo.com

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**Emails**

- asiaperry@yahoo.com
- Barbara Prior
- birdandbull@yahoo.com
- Books Inclinepress
- Brian McMillan
- Carol Livchak
- clkiness@miami.edu
- cmoldocare@aol.com
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- Diane Malinov
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- elong@uchicago.edu
- enidelimpress@yahoo.com
- Freedomia Paschall
- Georgia Prince
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- jocexearthlink.net
- klist@ringline.edu
Email Mining on Peter Koch’s Emails

http://suif.stanford.edu/~hangal/muse/