

Cyber Collection

Status & Vision

March 16, 2005

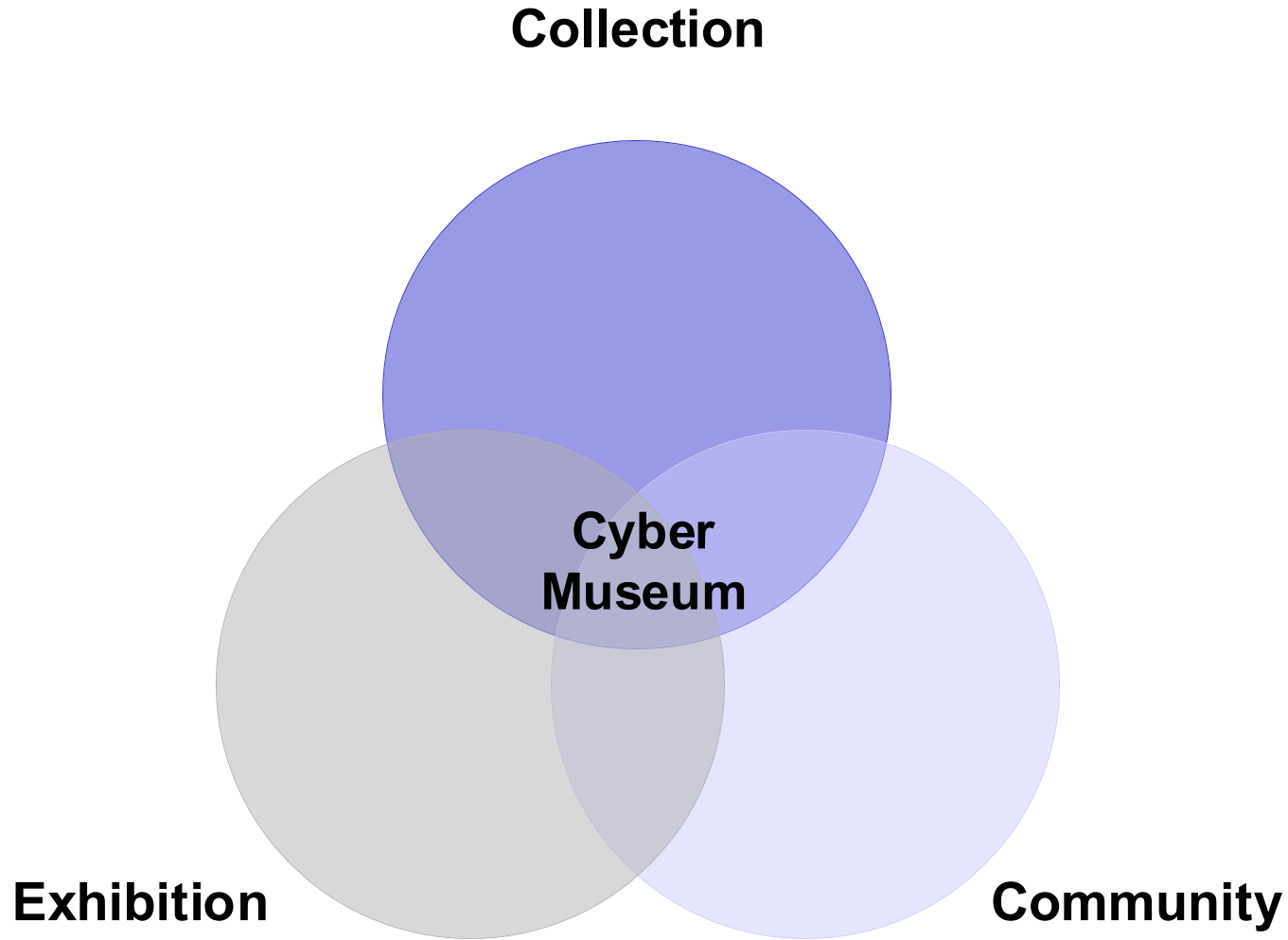
Kirsten Tashev

Cyber Collection



To be the premier international physical and virtual destination for computing history

Cyber Collection



Audience

Internal

Museum staff and volunteers

External

Researchers

Hobbyists

Press

Prior art lawyers

Teachers/high school students

General public

Best Practices

Western States Digital Standards Group

California Digital Library Museum & Online Archive

California State Library Scanning Standards

Million Book Project

Library of Congress

National Archives

Fall '03

Dublin Core:

Title	Author, Designer, Photographer, Artist, Architect, etc.
Creator	
Subject	
Description	Publisher, Manufacturer, etc.
Publisher	
Contributor	Text Physical Object Image Software Sound Dataset Interactive Service Collection
Date	
Resource Type	
Format	
Identifier	
Source	
Language	
Relation	
Coverage	
Rights	

Implemented Dec '03

Database/Catalog

Inmagic DB / TextWorks 7.01 - Collections Database <Shared Immediate> - [Edit: Record 1 of 5]

File Edit Records Display Search Sets Inmagic.net Maintain Tools View Window Help

STILL IMAGE EDIT SCREEN

Cataloger: Feb. 25, 2004 AR Edited by: Apr. 19, 2004 AR

This is a record for a **Still Image**

Accession #: 102632835 **Lot #:** X2692.2004 **Id Other Numbers:**

MAIN INFORMATION

Title: [Portrait of Gordon Bell]

Publisher: **Photographer (Creator):** Louis Fabian Bachrach **Subject:** • Bell, Gordon
• Wizards and their wonders.
Portraits in computing.

Desc. Wheremade: **Contributors (other than creator):**

Series: Wizards and their wonders. Portraits in computing.

DONOR/CONTACT INFORMATION

Donor name from Lot Database: Bachrach **Affiliated Organization (from Lot database):**

Lot Credit Line (from Lot database): Louis Fabian **Credit Line (from Lot database):** Gift of Louis Fabian Bachrach

Deed of Gift: Mar. 9, 2004 Orig. sent AA **Date received:** [not after 2004 Jan.] **Origin:** Gift

ADMINISTRATION

Credit line: **Copyright owner:** Louis Fabian Bachrach **Title Folder:** Wizards

Location of scans: \\archive\resources\still-image\Wizards **Location of physical image:**

Value (US \$): **Relation_IsPartOf:** **Relation or Other parts:**

Web access: <http://archive.computerhistory.org/resources/still-image/Wizards/bell.c1997.102632835.ig.jpg>

Reference photo: \\archive\resources\still-image\Wizards\bell.c1997.102632835.sm.jpg

DATES

Date photo taken: [ca. 1997] **Date Digitized:** Aug. 14, 1999

CONDITION REPORT

Desc_Condition: Excellent

Desc_ConditionNotes: Label adhered to the bottom verso of photograph

PROPERTIES

Format_StillImage: Photographic print **Subj_CatStillImage:** Portrait photograph **Format_Media Type:**

Format_Resolution: **Format_Dimensions:** 10 x 8 in. **Desc_Material:** Kodak Professional paper

Reference Photo:



Desc_Comments: Portrait of Gordon Bell inside a photography studio. He wears a tan colored cowboy hat with a black jacket and a blue collar shirt. He wears a silver and turquoise bolo tie. This image was used in the book Wizards and Their Wonders and is in the section on Inventors.

Desc_LabelText:

CHM_CuratorComment:

CHM_StaffComment:

Validation: single-only

0 Updates Pending

NUM

start

Inbox - Microsoft ... Inmagic DB/Text... FileMaker Pro - [N... RE: alyson - Mess... Document11 - Mic...

10:34 AM

Standards

- The purpose of the Cyber Collection is to provide access to the CHM Collection and not to create highly accurate reproductions.
- Original paper will remain the archival form
- Though digitization of the document collection will minimize wear and tear, the primary goal is to provide access and legibility.

Digitization Goals:

Image Description	CHM Minimum (Interim)	CHM Best Practice
Alphanumeric text	300 ppi	300 ppi
Handwritten text	300 ppi	600 ppi
Schematic Drawings	300 ppi	600 ppi
Illustrations	300 ppi	600 ppi
Photographs	300 ppi	600 ppi

Archive Folder Structure by Resource Type

- 📁 still_image photograph collection (tiff files)
- 📁 moving_image video collection (dv files)
- 📁 object reference photos of artifacts (jpg files)
- 📁 text document collection (pdf files)
- 📁 software software collection (exe. files and other)

File Name Metadata – Google Search

[manufacturer].[machine or object name or person or event].[accession #].ext

examples:

dec.pdp-1_printer.X126-84.jpg:

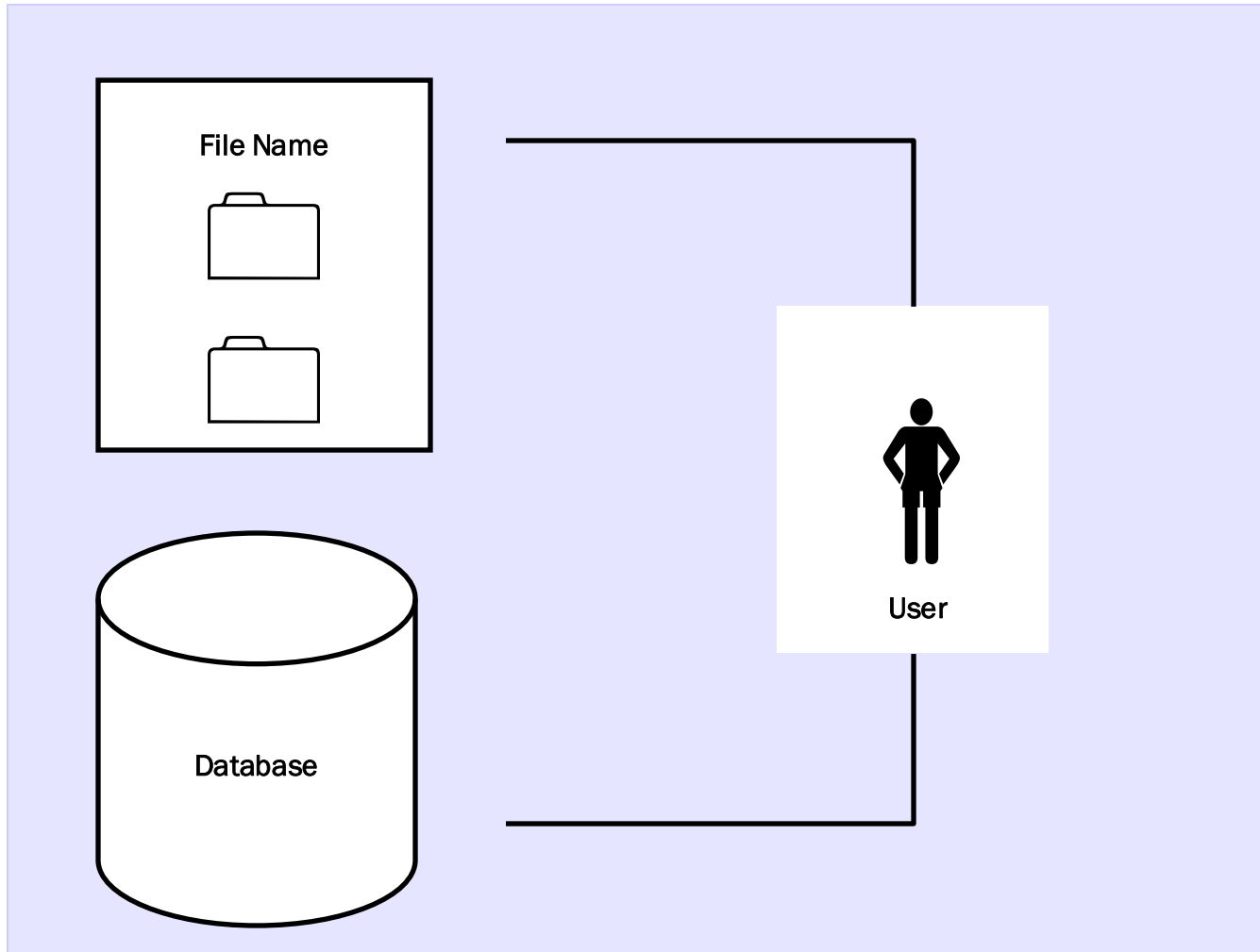
dec.pdp-1.1964.102525403.src.jpg

dec.pdp-1_bell_kotek.1964.102525404.src.jpg

dec.pdp-1.principals_of_operation.1964.102525403.pdf

Implemented Dec '03

Search/Access



Inmagic – “Textbase” with ODBC

- Client Server Windows Application
- Multi-User collections management
- Library centric schemas
 - Simple table structures
 - Non-relational data
 - Common shared fields (Dublin Core) between collections
- Integrated simple Web Publishing
- Upgrade to SQL version Summer ‘05

MySQL

- Web based databases
- Relational structures for exhibits
- Ties many collections and records together
- Used to build thematic tools and organize data



Artifacts

Photographs

Documents

Moving Images

Software

Artifacts



Goal:

Access to 1,000 artifact images by Jul '05

Status:

3,000 objects inventoried and photographed to date

Live access to database launched in Fall '04

Artifacts

Inmagic DB/TextWorks 6.01 - Collections Database <Shared Immediate> - [Query]

File Edit Records Display Search Sets Inmagic.net Maintain Tools View Window Help

C.R.A.M.P. search screen

Accession number
AND

Type
AND

All fields
AND

Search hints:

To search for unknown parts of entries enter what you know followed by an *

If an accession number is not found try searching for the serial number of the object in the all fields box.

Artifacts

FileEditViewFavoritesToolsHelp

Back

Search

Favorites

Address <http://archive.computerhistory.org/search/>

COMPUTER
HISTORY
MUSEUM

JOIN

Search

About UsExhibitsCollectionWhat's HappeningGivingAbout This Site

PrivacyCopyrightFeedbackCreditsAdvanced SearchSite Map

Search the Artifact Collection

The Computer History Museum collection is comprised of five distinct collections: artifacts, documentation, ephemera, software and media. Here you can search a portion of the artifact collection catalog, approximately 4,250 objects.

The Computer History Museum catalogs, photographs and digitizes its collections on an ongoing basis, please check back often.

SEARCH BY KEYWORD

Search

[About the Museum](#) | [Exhibits](#) | [Collections](#) | [What's Happening](#) | [Giving](#) | [About This Site](#)
[Privacy](#) | [Copyright](#) | [Feedback](#) | [Credits](#) | [Advanced Search](#) | [Site Map](#)

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Photographs

Imagic DB / TextWorks 7.01 - Collections Database - <Shared Immediate> - [Edit: Record 1 of 5]

File Edit Records Display Search Sets Imagic.net Maintain Tools View Window Help

STILL IMAGE EDIT SCREEN

This is a record for a **Still Image**

Cataloger: Feb. 25, 2004 AR Edited by: Apr. 19, 2004 AR

DONOR/CONTACT INFORMATION

Accession #: 102632835 Lot #: X2692.2004 Id Other Numbers:

MAIN INFORMATION

Title: [Portrait of Gordon Bell]

Publisher: [Louis Fabian Baehrach] Photographer (Creator): [Louis Fabian Baehrach] Subject: [Bell, Gordon; Wizards and their wonders; Portraits in computing]

Desc. Where made: [Contributors (other than creator):]

Series: [Wizards and their wonders. Portraits in computing]

DATES

Date photo taken: [ca. 1997] Date Digitized: [Aug. 14, 1999]

CONDITION REPORT

Desc. Condition: [Excellent]

Desc. Condition Notes: [Label adhered to the bottom verso of photograph]

PROPERTIES

Format StillImage: [Photographic print] Subj. CatStillImage: [Portrait photograph] Format Media Type: [Kodak Professional paper]

Format Resolution: [10 x 8 in.] Format Dimensions: [Kodak Professional paper]

ADMINISTRATION

Donor name from Lot Database: [Baehrach] Affiliated Organization (from Lot database): [Wizards]

Lot Credit Line (from Lot database): [Louis Fabian Baehrach] Credit Line (from Lot database): [Gift of Louis Fabian Baehrach]

Deed of Gift: [Mar. 9, 2004 Orig. sent AA] Date received: [not after 2004 Jan.] Origin: [Gift]

Credit line: [Louis Fabian Baehrach] Copyright owner: [Louis Fabian Baehrach] Title Folder: [Wizards]

Location of scans: [\\archive\resources\still-image\Wizards] Location of physical image: [Wizards]

Value (US \$): [Relation IsPartOf] Relation or Other parts: [Web access: http://archive.computerhistory.org/resources/still-image/Wizards/bell.c1997.102632835.ig.jpg]

Reference photo: [\\archive\resources\still-image\Wizards\bell.c1997.102632835.sm.jpg]

Reference Photo: [Portrait of Gordon Bell inside a photography studio. He wears a tan colored cowboy hat with a black jacket and a blue collar shirt. He wears a silver and turquoise bolo tie. This image was used in the book: Wizards and Their Wonders and is in the section on Inventors.]

Desc. LabelText: [CHM_CuratorComment: CHM_StaffComment:]

Goal:

Prototype online access to all 1,000 scanned images in March '05

Status:

1000 images catalog and scanned

Documents – Project ‘Stretch’

Search the Stretch Collection



Operator at IBM 7030 "Stretch", c. 1961

The IBM Stretch Collection is a group of items, mainly text, relating to the IBM 7030 ("Stretch") computer project, 1955 - 1961. Most of the collection is a subset of a larger donation by Harwood Kolsky, an important computer pioneer and key person in Stretch development. Dr. Kolsky graciously donated his personal papers to the Computer History Museum in the fall of 1999.

Prompted by the 50th anniversary of the first Stretch shipment in 1961, (to Los Alamos National Laboratories), the Museum organized, catalogued, scanned, and performed optical character recognition on many of its Stretch-related materials, over 900 individual items. You may access all of these items by using the search screen below. Online access to the "Stretch" Collection was made possible through the efforts of many dedicated [volunteers](#).

For a general introduction to the machine and its importance, please click [here](#). If you are unfamiliar with the Stretch Project, or simply wish an introduction to key milestones, you may wish to consult the project [timeline](#).

SEARCH HINTS

Use &, /, and ! for AND, OR, and NOT
To search part of a word or number and
search term with an asterisk (*)

For information on how to search, click [Help](#).

Search		Reset	
Resource Type		FULL SEARCH	
AND v		AND v	
Title		Creator or Contributor	
AND v	Index	AND v	Index
Folder Title		Publisher Or Manufacturer	
AND v	Index	AND v	Index
Series Title		Date	
AND v	Index	AND v	Index

Goal:

Prototype online access to document collection

Status:

Launched in Summer '04

Findings:

Curatorial layer improves access

Documents – Stretch



Full Title 

Previous Record

Next Record

New Search



Record 20 of 22

[Stretch system assembly line]. [Still Image, All] / . Computer History Museum, 102635780.

Category:

Digital Image; Snapshot

Folder Title:

Stretch

Description:

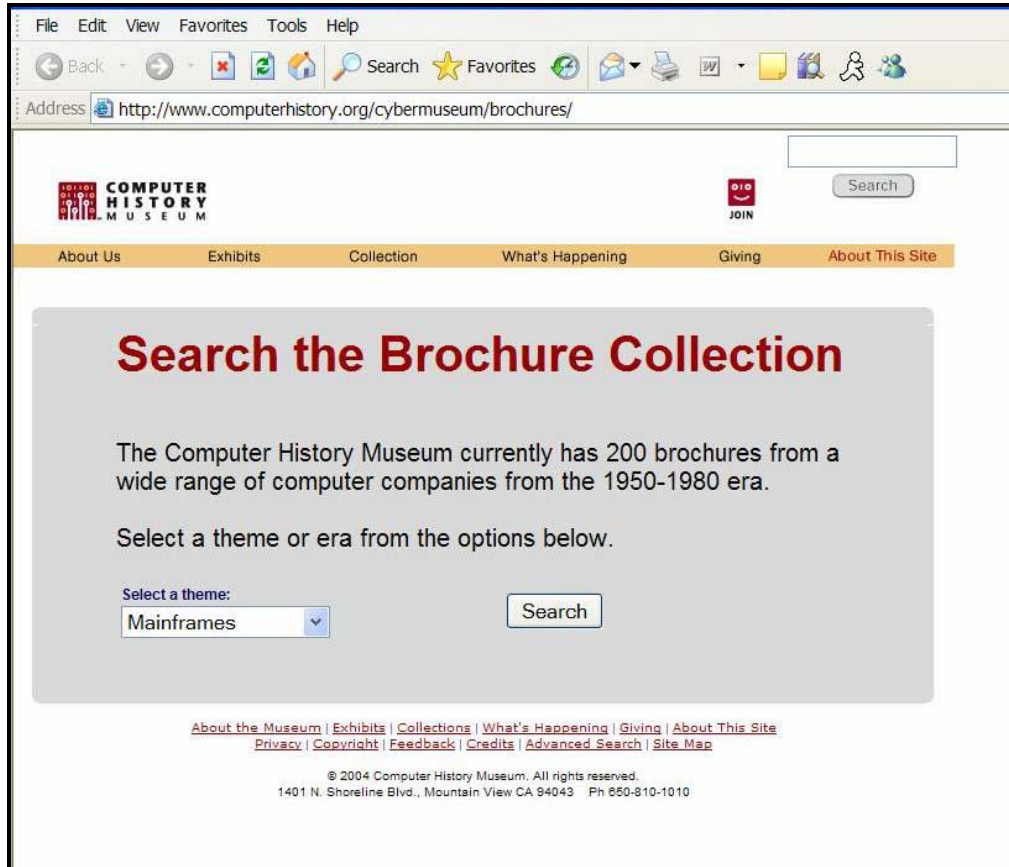
K2 Stretch system assembly line at IBM's Kingston, New York facility on its way to Aldermaston, England

Powered by DB/Text *WebPublisher*, from **INMAGIC**





Documents – 200 Brochures



Goals:

Create standard tools and training materials for cataloguing and scanning

Prototype an improved web interface, including curatorial layer

Launch July 2005

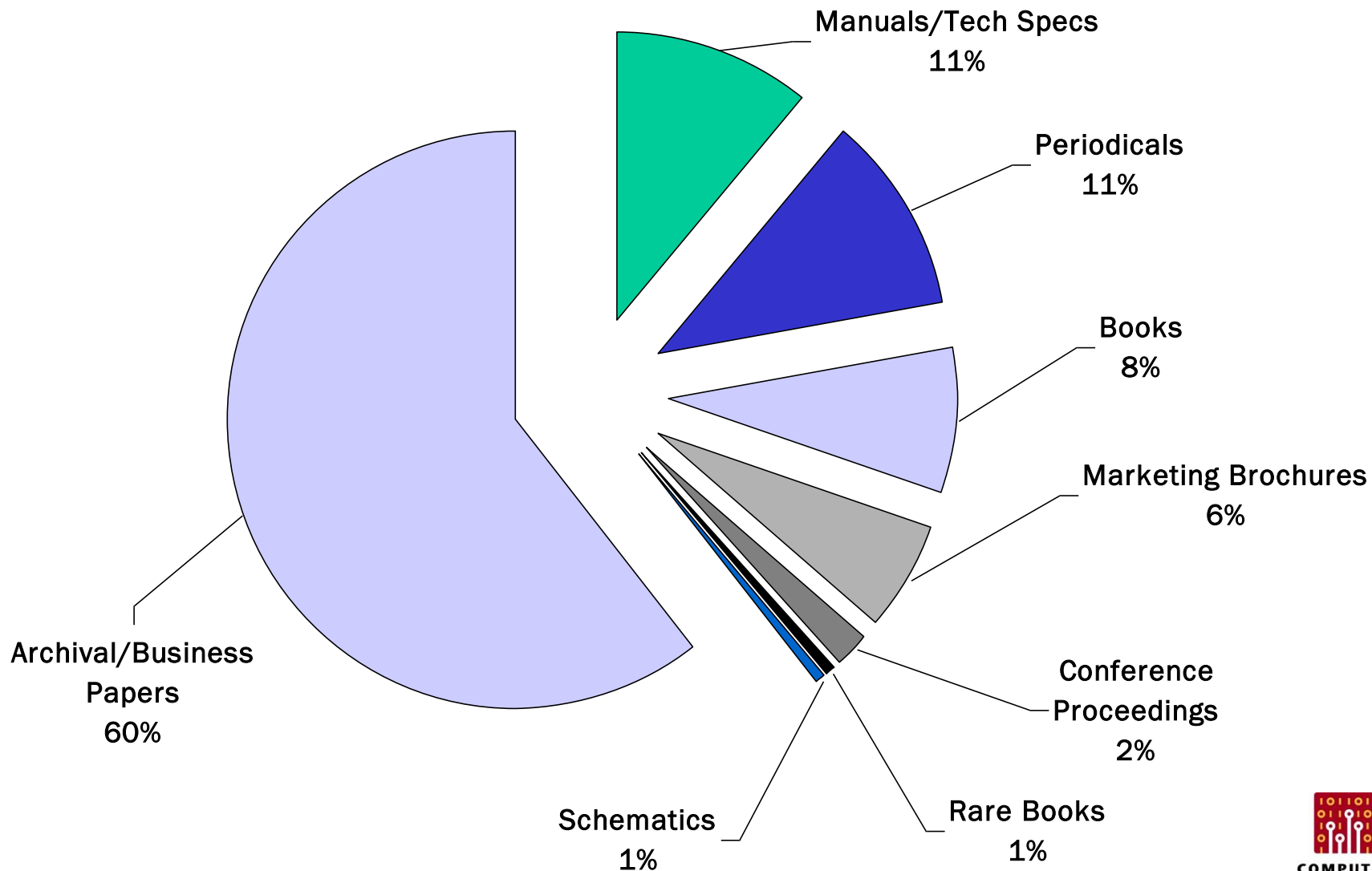
Status:

Training materials/equip in place

3 interns/3 volunteers trained

Cataloguing/scanning underway

Document Survey



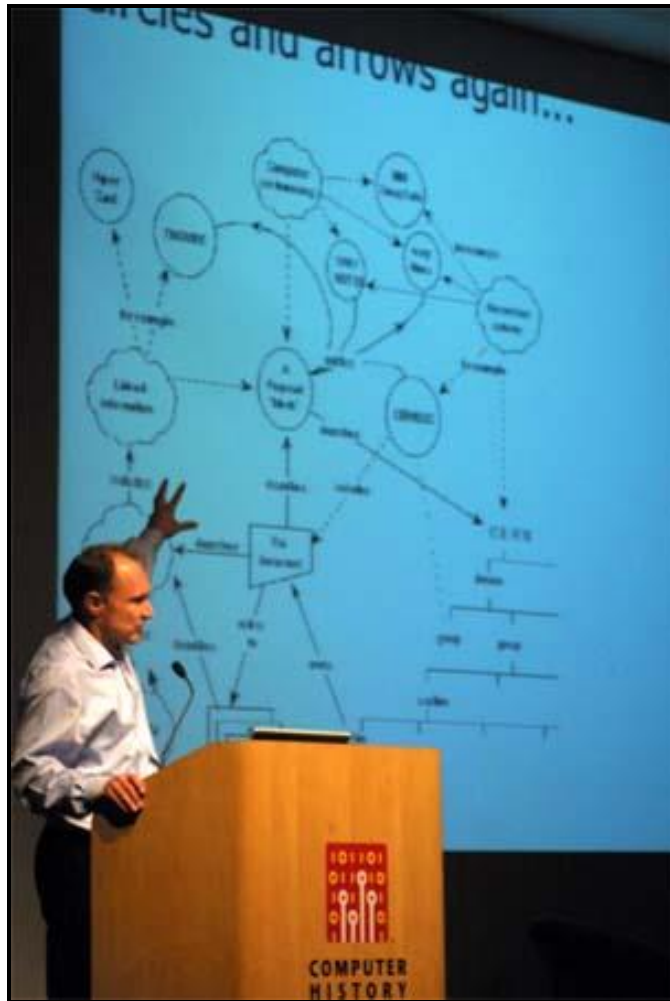
Survey Results

Type	Quantity	Percent Destructive	Online Access
Books (ISBN)	1,000 (83 lf)	20%	Item level
Rare Books	200 (17 lf)	0%	Highlights
Manuals/Tech Specs	2,000 (167 lf)	20%	Item level
Periodicals	100 linear feet	50%	Item level
Conference Proceedings	100 linear feet	50%	Item level
Marketing Brochures	100 linear feet	5%	Highlights
Archival/Business Papers	350 linear feet	0%	Finding aid/Highlights
Schematics	20 linear feet	0%	Highlights

Total linear feet: 3,794 (approx)

lf = linear feet

Moving Images



Goal:

Catalog entire collection,
digitize 50 historic films
and stream all oral
histories by June '06

Status:

Legacy Filemaker
database converted to
Inmagic (not complete)



Goals:

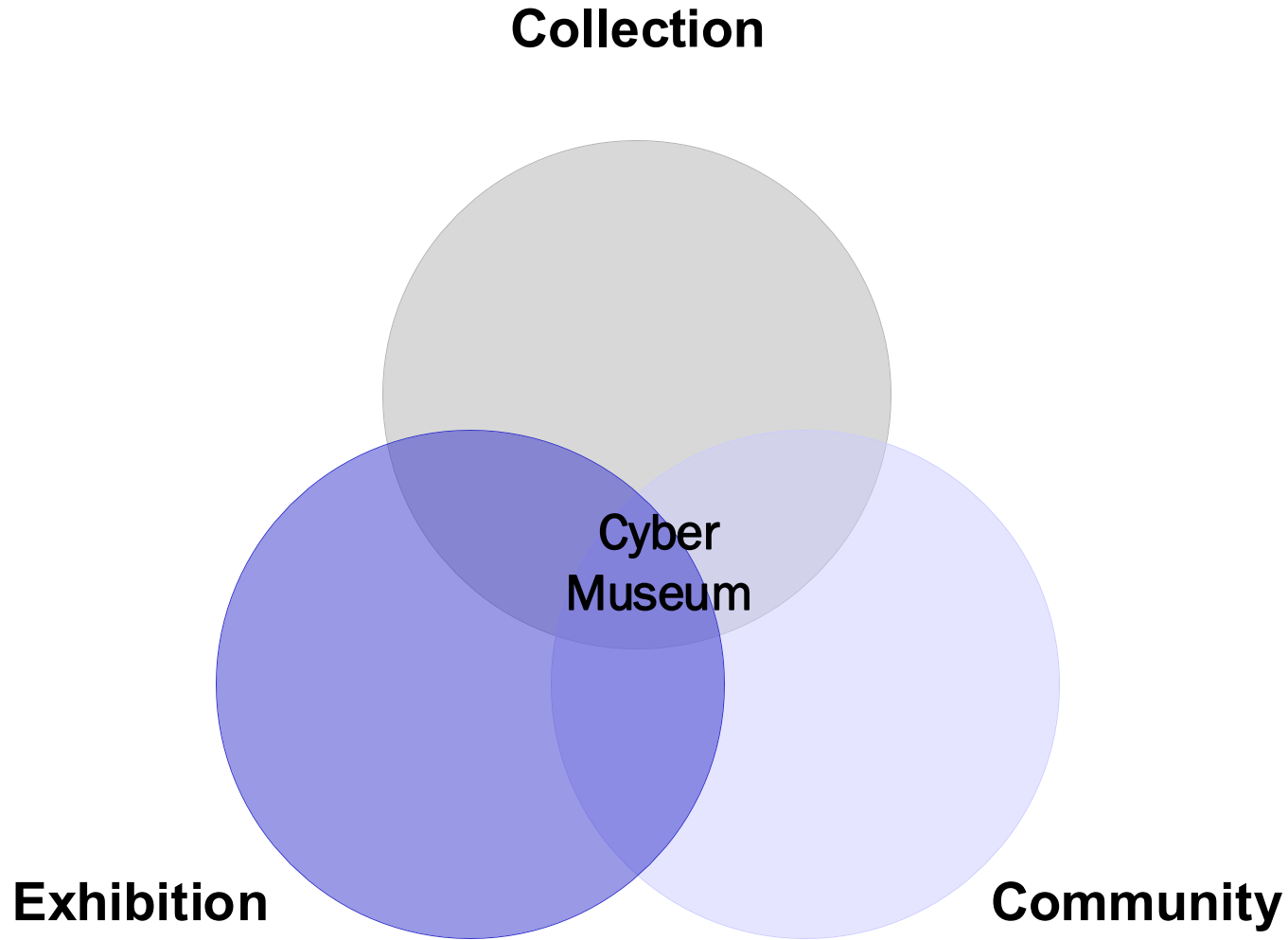
Catalog entire collection
by Fall '05

Transcode 20% by Jun '06

Develop prototype user
contributed archive by
Jun '06

Status:

Draft Data-dictionary
and Taxonomy



Exhibitions

Online display of our
viewable collection in
Visible Storage



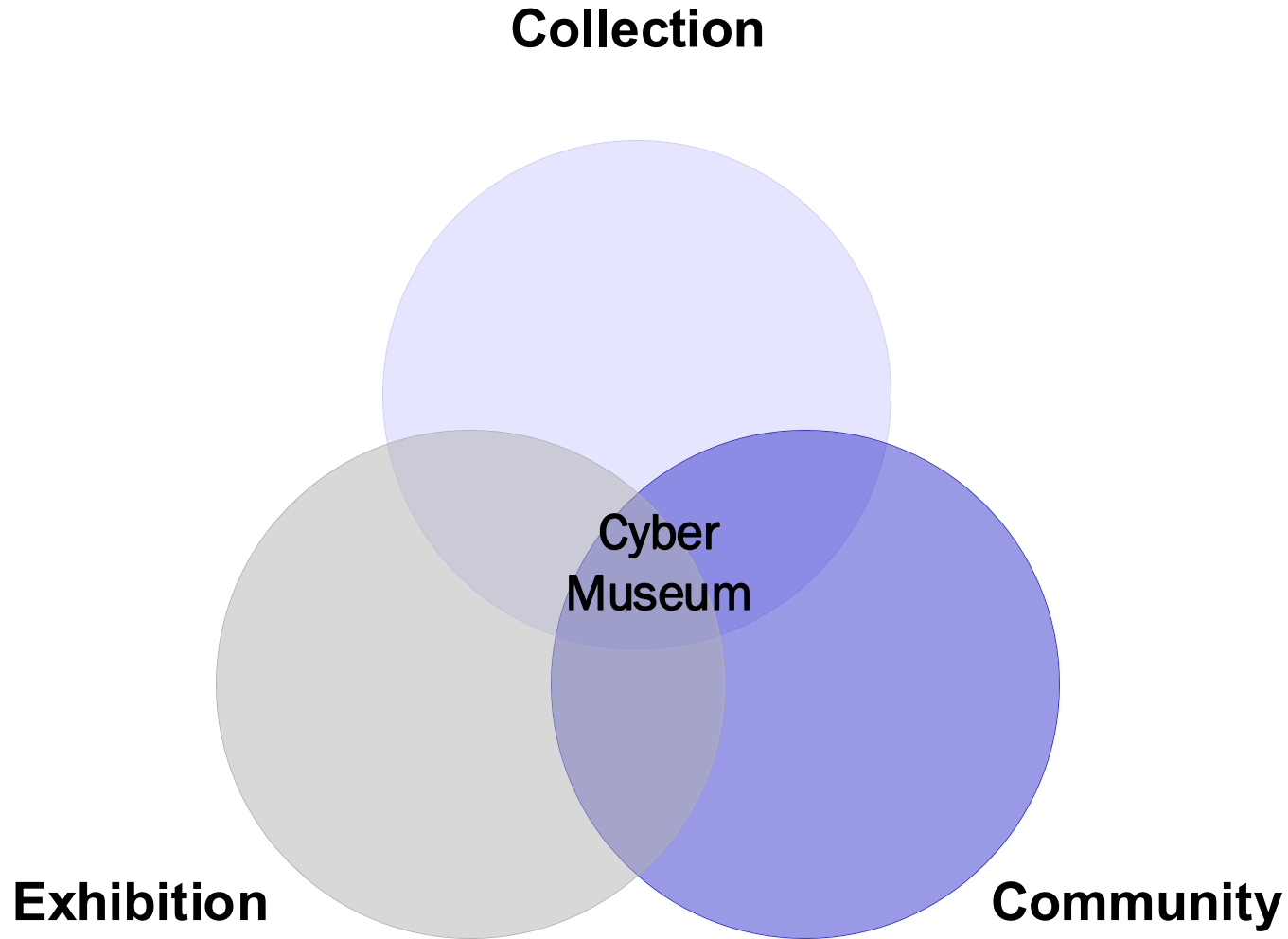
Exhibitions



History of Chess Software Online Component

Goal:

To create a complementary online exhibit which provides access to additional exhibit content as well as related original source material



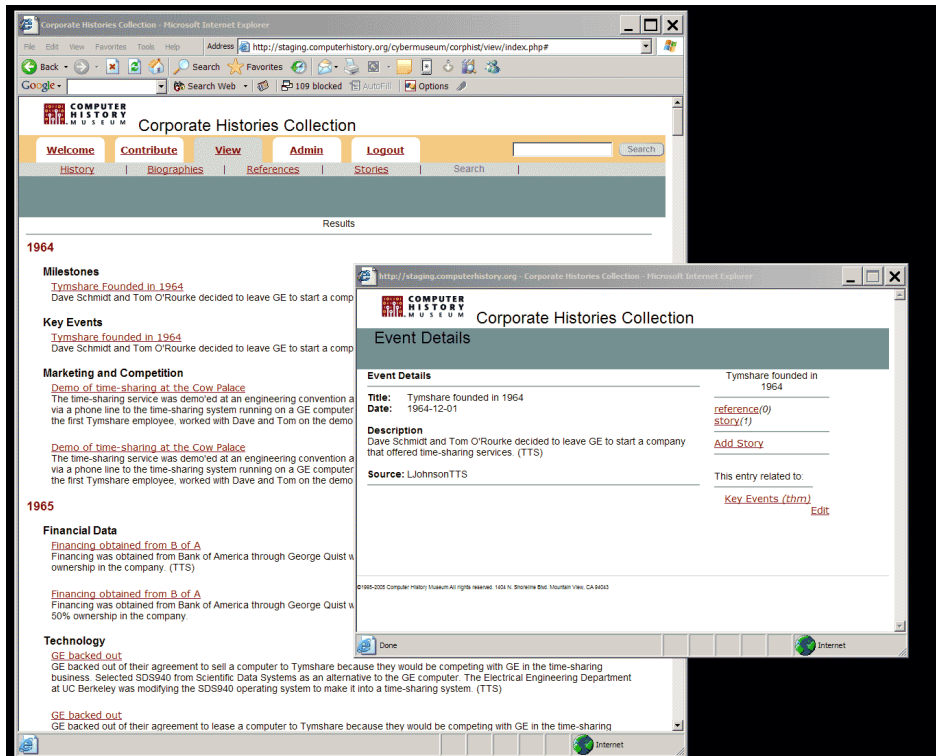
Corporate Histories Project

Goals:

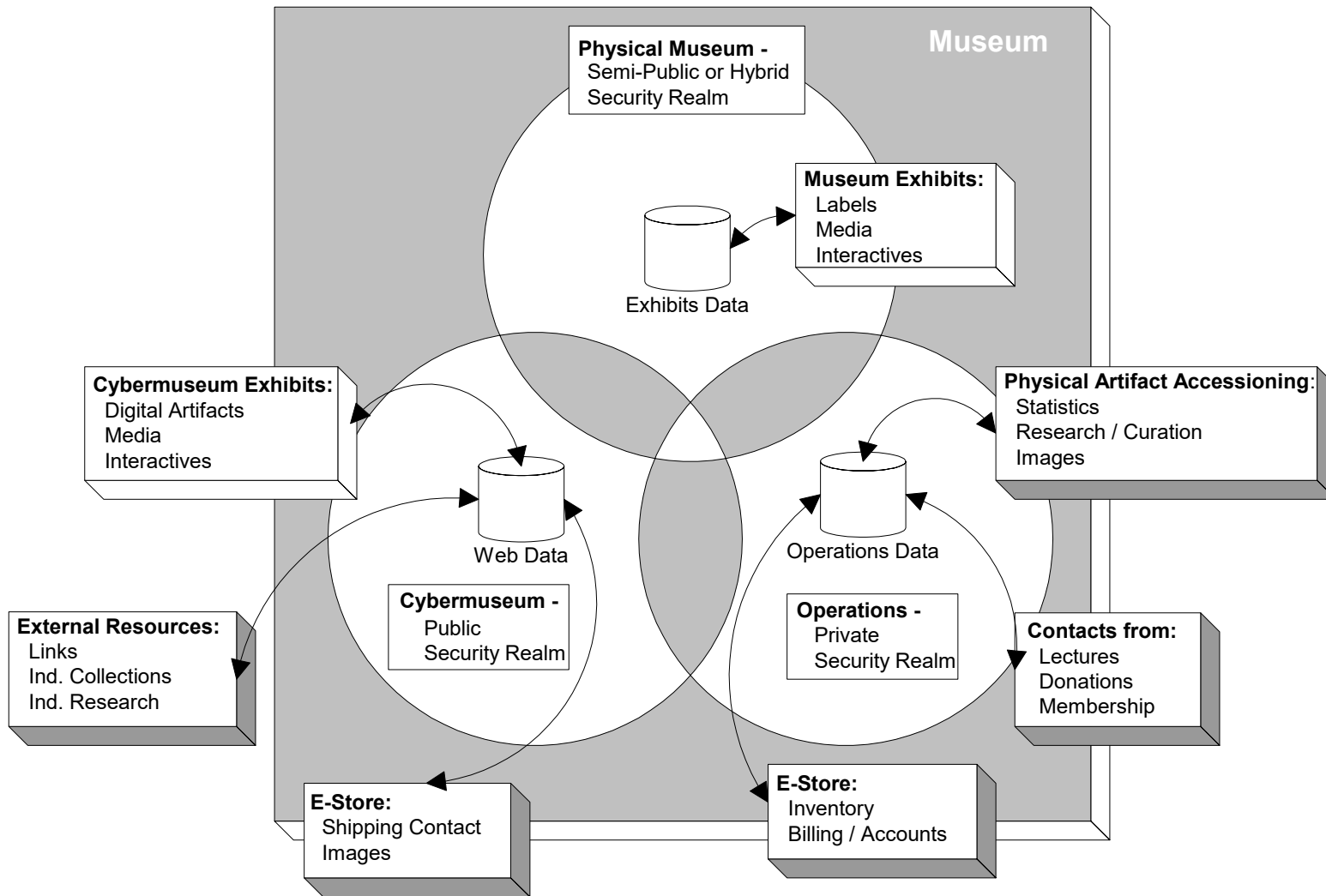
Storytelling timeline

Scalable and flexible back end database

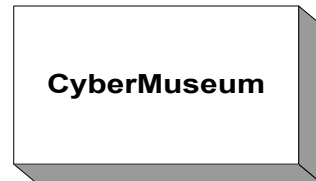
Building general purpose tools



CyberMuseum Data Model



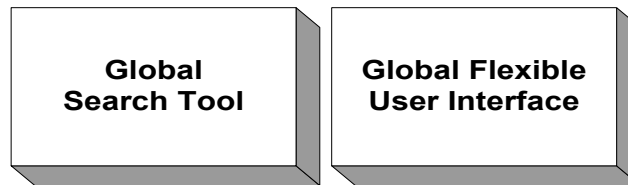
CyberMuseum Hierarchy



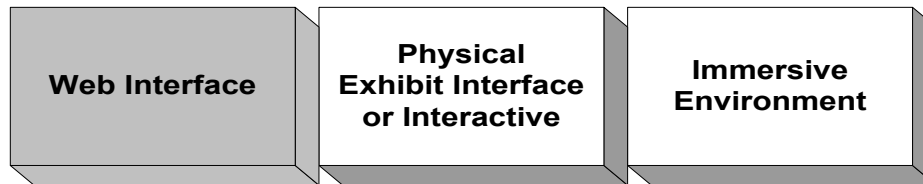
Purpose: To show how each tool or Exhibit builds upon previous layers in the data hierarchy by combining one or more elements from the previous layer.

To begin estimating the number of hours required to add new information to the bottom data layer, and add curation as you move up the hierarchy.

The bottom data layer will be added to over time, increasing the amount of information available to the whole CyberMuseum.



Global Layer



Gallery Layer

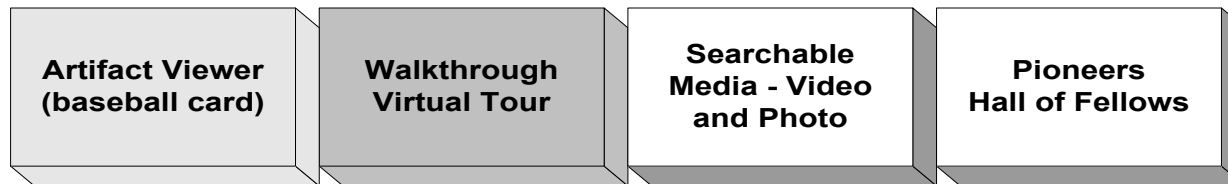
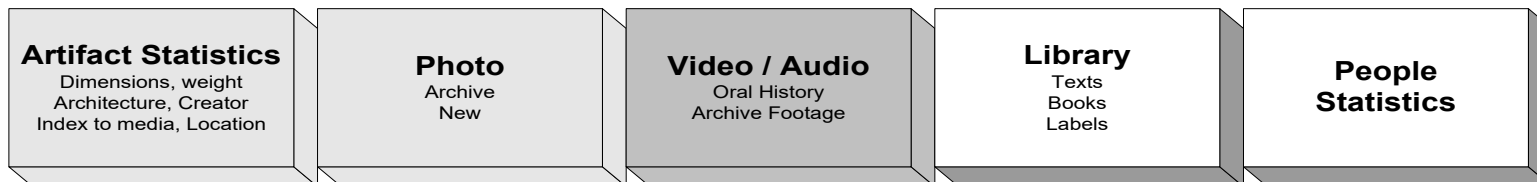


Exhibit Layer



Data Layer

Current Portal


[About Us](#)[Exhibits](#)[Collection](#)[What's Happening](#)[Giving](#)[About This Site](#)[Visit](#)[Research](#)[Search the Collection](#)[Donate an Artifact](#)[Image Requests](#)

Collection

Search the Collection

The Computer History Museum collection was begun in the early 1970s and has grown in the intervening years to comprise five distinct collections with many thousands of individual objects. The five collections are: artifacts, documentation, ephemera, software and media (film, video, audio).

Currently, a portion of the artifact collection is searchable online as are extensive archival materials related to the IBM 7030 "Stretch" computer project. Also available is an Online Reading Room which includes a partial listing of titles in the Museum's reference library and a selection of downloadable documents relating to computing history.

As the Computer History Museum catalogs and digitizes its collections, eventually most of the Museum's holdings will be accessible online. We hope you enjoy learning about computer history through our collections.

[Artifact Collection](#)[Stretch Collection](#)[Online Reading Room](#)

[About the Museum](#) | [Exhibits](#) | [Collections](#) | [What's Happening](#) | [Giving](#) | [About This Site](#)
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Benchmarks

The screenshot shows the SFMOMA Collections Access Online search page. The header is orange with the SFMOMA logo and navigation links. The main content area is white and contains a search form with fields for Artist, Title, and Subject, each with a dropdown menu. A 'SEARCH' button is at the bottom. To the left of the search form is a sidebar with links to various art categories and a section titled 'EXPLORE' featuring a thumbnail for 'Making Sense of Modern Art'. Below the search form, there is a disclaimer about the collection's representativeness and a link to the Terms of Use.

TO COLLECTIONS MAIN COLLECTIONS ACCESS ONLINE

SF MO MA SFMOMA

VIEW
ARCHITECTURE + DESIGN
MEDIA ARTS
PAINTING + SCULPTURE
PHOTOGRAPHY
BROWSE BY ARTIST

SEARCH
BEGIN SEARCH

EXPLORE

MAKING SENSE OF MODERN ART

[Making Sense of Modern Art](#)

See this and more interactive multimedia features in the [Explore](#) section of our site.

Search Collections

Search here for specific artworks or artists in SFMOMA's Collections. (Please note that this only searches the Museum's Collections and not the entire SFMOMA Web site.)

Artist:
Enter the artist's last name or last name, first name (example: Picasso or Picasso, Pablo)
 Not sure of spelling? Use [Browse by Artist](#) to find the artist's name in our alphabetical list.

Title:

Please Choose

Subject:
Please Choose

SEARCH

This resource represents a portion of SFMOMA's collection. If you are trying to locate a work in our collection and can't find it here, please [contact us](#). If you are planning a visit to SFMOMA, please note that not all artworks are on view at all times.

The information here is reviewed regularly and is subject to revision. Please [contact](#) the appropriate department to verify information.

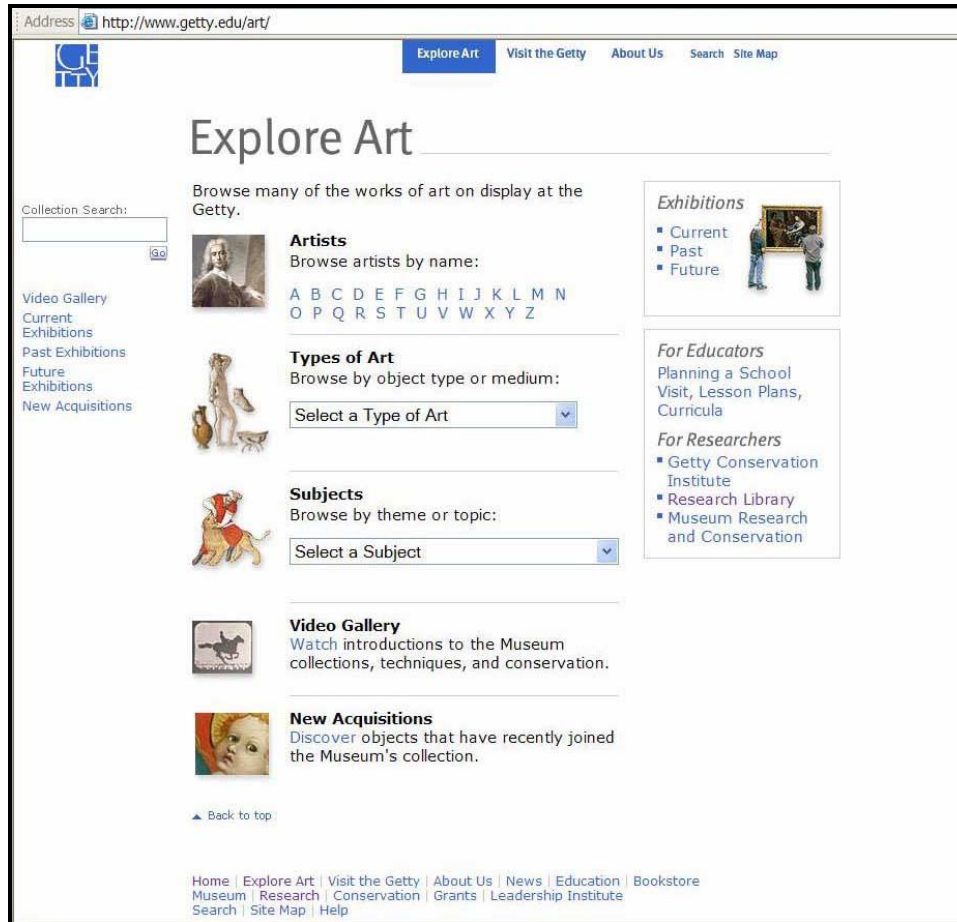
This resource is for educational use and its contents may not be reproduced without permission. For additional information, please review our [Terms of Use](#).

SFMOMA Contact Us | Privacy Policy | Terms of Use

SFMOMA

http://collections.sfmoma.org/kiosk/advanced_search.htm

Benchmarks



Getty Center

www.getty.edu/art

Benchmarks

The screenshot shows the ARTscape website interface. At the top, there is a navigation bar with the PEM logo and links: Load, Save, Save As, Email, Clear, Help, and Log In. The main header area is orange and contains the text "Start building your collection in ARTscape." Below this, the interface is divided into three vertical sections: Bookmarks, Selection, and Results.

Bookmarks: A vertical sidebar on the left containing the text "Start building your collection in ARTscape."

Selection: A central area with a "Collections:" list on the left, a "Keywords:" search bar, and a "Login to access your bookmarks and save your collection:" form on the right. The "Collections:" list includes: AFRICAN ART, AMERICAN DECORATIVE ART, ARCHITECTURE & DESIGN, ASIAN EXPORT ART: CHINA, ASIAN EXPORT ART: JAPAN, CHINESE ART, and CONTEMPORARY ART. Below the list is a note: "To select multiple options, hold down the Control key while clicking." and a "Submit" button. The "Keywords:" section has a search bar and a "Submit" button. The "Login" form has fields for "Type e-mail address" and "Type password", a "NOT REGISTERED? CLICK HERE" link, and "Submit" and "Cancel" buttons. Below the login form are links for "CHANGE PASSWORD", "EMAIL PASSWORD", "PRIVACY POLICY", and "HELP".

Results: A bottom section with a yellow background. It contains a quote from P.W. Martin: "The creative process takes its own course." and a welcome message: "Welcome to ARTscape, a multimedia tool that will enable you to look at art in new ways. Here, you can browse PEM's objects, perform keyword searches on subjects of interest, and save your very own 'collections.' If you are retrieving a collection you built at the museum, those objects appear in the 'bookmarks' zone, and provide a personalized point of entry into the ARTscape database. A world of art and culture awaits. Enjoy the journey."

Peabody Essex Museum

<http://www.pem.org/artscape/index.php>

Back-end Research

GALLERY SYSTEMS

company	products	clients	news	services	contact
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Gallery Systems provides collections, content and media management software and services for archives, visual resource libraries and museum collections of any type or size. Our powerful, yet easy-to-use solutions organize and manage information and publish content from the database to the web. Our clients include many of the world's pre-eminent museums, private collectors, corporate and government archives and agencies.

News

[Brooklyn Children's Museum's New Online Collection, Powered by Gallery Systems' eMuseum Software, Is Named a Forbes Favorite, Best of the Web, by Forbes.com](#)

[Düsseldorf's Kulturinstitute choose Gallery Systems to enable shared collections management of 15 institutions](#)

[Rock and Roll Hall of Fame uses The Museum System to manage collections](#)

[Archivision Digital Archive Includes EmbARK!](#)

[The Museum System Receives Top CHIN Rating](#)

[International Center of Photography and George Eastman House present project using Gallery Systems web services technology at Museums on the Web](#)

<http://www.gallerysystems.com/>