

# ArcLight: illuminating archives

---

**Mark Matienzo, Stanford University**

**Nabeela Jaffer, University of Michigan**

**John Rees, National Library of Medicine**

**Digital Library Federation Forum, 24 Oct 2017 - #t3a**

# Description and objectives

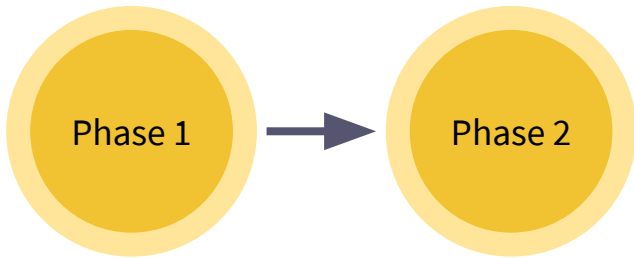
- Project initiated by Stanford University in 2014 to address a long-standing interest in discovery/delivery of information in archives
- Support discovery of physical and digital objects
- Compatibility with and intended for integration with other systems, e.g. ArchivesSpace and Hydra-based repositories
- Development, enhancement, and maintenance by the Blacklight/Hydra communities
- Maintain a community focus throughout the project

# Design and development process

- Design process led by 2 UX designers in Stanford Libraries' Digital Library Systems & Services group (Gary Geisler and Jennifer Vine)
- Followed a model for **user-centered design** developed and refined over time (see [DLF 2014 presentation](#)) and leveraged existing practices for community-based open source software development
- **Community-oriented, collaborative design/development process**
  - Intentional choice, informed by DLSS open source participation
  - Opportunity for other institutions to identify needs and participate
  - Build interest and identify potential commitments for software development

# Overview and timeline of work to date

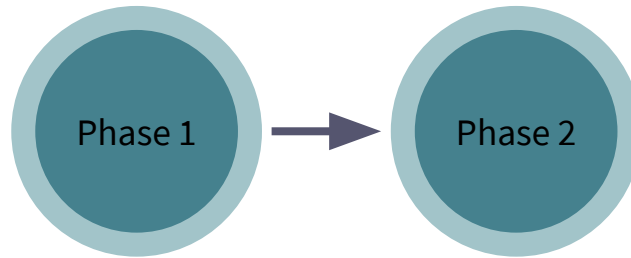
## Discovery



Environmental scan  
Stakeholder goals  
Interview planning

Archivist interviews  
End-user interviews  
Interview analysis

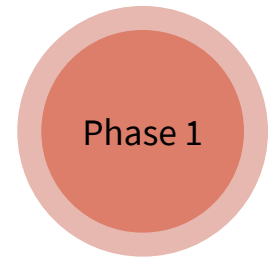
## Information Architecture



User needs  
User personas  
Requirements prioritization

Conceptual models  
Conceptual sitemaps  
Wireframes

## MVP Development and Visual Design



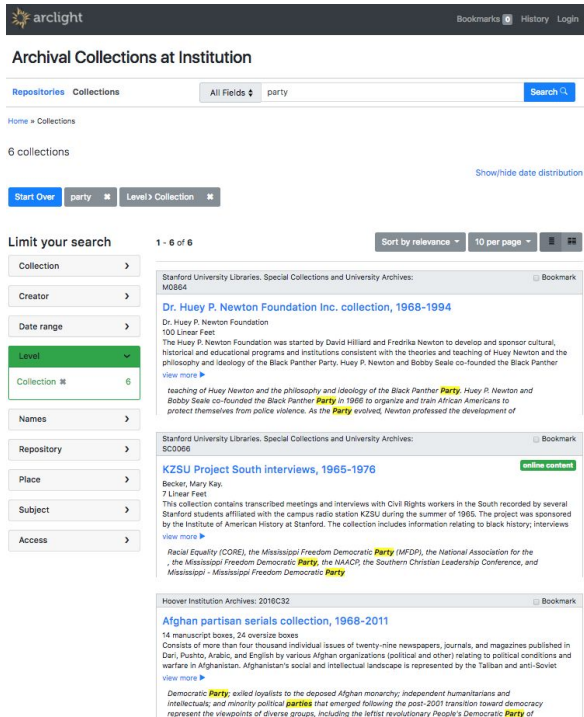
Minimum viable product  
Visual design mockups  
Visual design style guide



# Implemented features

- Presentation of archival description, hierarchically and by individual components
- Repository information
- Integrated delivery of digital objects (using oEmbed)
- Indexing of EAD 2002
- Keyword searching and faceting by collection, creator, date range, level of description, names, creators, repository, etc.
- Sorting by date, creator, title, relevance
- WCAG 2.0 Level AA conformance
- Search within collections
- Hit highlighting
- Component-level views with contextual information
- Proof of concept request management integration
- Bookmarks
- Configurable repositories and departments
- Basic inheritance of descriptive metadata (e.g. for access and use restrictions)

# Screenshots



arclight Bookmarks History Login

## Archival Collections at Institution

Repositories Collections All Fields party Search

Home » Collections

6 collections Showhide date distribution

Start Over party Level Collection

### Limit your search

1 - 6 of 6 Sort by relevance 10 per page

Collection >

Creator >

Date range >

Level >

Collection # 6

Names >

Repository >

Place >

Subject >

Access >

Stanford University Libraries. Special Collections and University Archives: M0864

**Dr. Huey P. Newton Foundation Inc. collection, 1968-1994**

Dr. Huey P. Newton Foundation  
100 Linear Feet

The Huey P. Newton Foundation was started by David Hilliard and Fredrika Newton to develop and sponsor cultural, historical and educational programs and institutions consistent with the theories and teaching of Huey Newton and the philosophy and ideology of the Black Panther Party. Huey P. Newton and Bobby Seale co-founded the Black Panther Party in 1966 to organize and train African Americans to protect themselves from police violence. As the Party evolved, Newton professed the development of teaching of Huey Newton and the philosophy and ideology of the Black Panther Party. Huey P. Newton and Bobby Seale co-founded the Black Panther Party in 1966 to organize and train African Americans to protect themselves from police violence. As the Party evolved, Newton professed the development of

View more

Racial Equality (CORE), the Mississippi Freedom Democratic Party (MFDP), the National Association for the the Mississippi Freedom Democratic Party, the NAACP, the Southern Christian Leadership Conference, and Mississippi - Mississippi Freedom Democratic Party

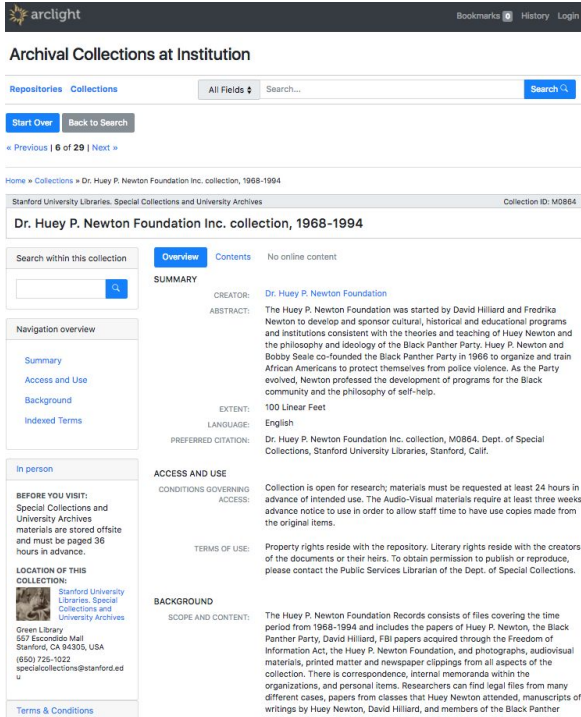
Hoover Institution Archives: 2018C32

**Afghan partisan serials collection, 1968-2011**

14 manuscript boxes, 24 oversize boxes  
Consists of more than four thousand individual issues of twenty-nine newspapers, journals, and magazines published in Dari, Pushto, Arabic, and English by various Afghan organizations (political and other) relating to political conditions and warfare in Afghanistan. Afghanistan's social and intellectual landscape is represented by the Taliban and anti-Soviet

View more

Democratic Party; exiled loyalists to the deposed Afghan monarchy; independent humanitarians and intellectuals; and minority political parties that emerged following the post-2001 transition toward democracy represent the viewpoints of diverse groups, including the leftist revolutionary People's Democratic Party of



arclight Bookmarks History Login

## Archival Collections at Institution

Repositories Collections All Fields Search... Search

Start Over Back to Search

« Previous | 6 of 29 | Next »

Home » Collections » Dr. Huey P. Newton Foundation Inc. collection, 1968-1994

Stanford University Libraries. Special Collections and University Archives Collection ID: M0864

**Dr. Huey P. Newton Foundation Inc. collection, 1968-1994**

Search within this collection Overview Contents No online content

Navigation overview

Summary

Access and Use

Background

Indexed Terms

In person

BEFORE YOU VISIT: Special Collections and University Archives materials are stored offsite and must be pagged 36 hours in advance.

LOCATION OF THIS COLLECTION:

Stanford University Libraries, Special Collections and University Archives

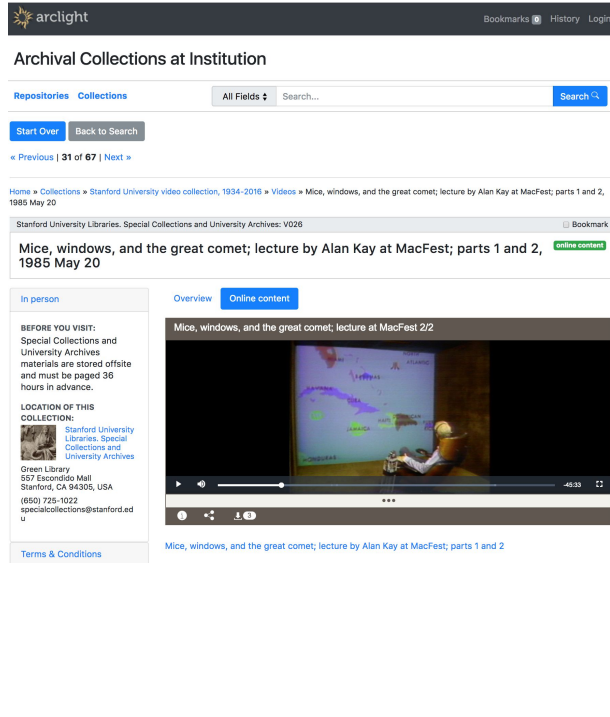
Green Library  
657 Escondido Mall  
Stanford, CA 94305, USA  
(650) 725-1022  
specialcollections@stanford.edu

TERMS OF USE: Property rights reside with the repository. Literary rights reside with the creators of the documents or their heirs. To obtain permission to publish or reproduce, please contact the Public Services Librarian of the Dept. of Special Collections.

BACKGROUND

SCOPE AND CONTENT: The Huey P. Newton Foundation Records consists of files covering the time period from 1968-1994 and includes the papers of Huey P. Newton, the Black Panther Party, David Hilliard, FBI papers acquired through the Freedom of Information Act, the Huey P. Newton Foundation, and photographs, audiovisual materials, printed matter and newspaper clippings from all aspects of the collection. There is correspondence, internal memoranda within the organizations, and personal items. Researchers can find legal files from many different cases, papers from classes that Huey Newton attended, manuscripts of writings by Huey Newton, David Hilliard, and members of the Black Panther

Terms & Conditions



arclight Bookmarks History Login

## Archival Collections at Institution

Repositories Collections All Fields Search... Search

Start Over Back to Search

« Previous | 31 of 67 | Next »

Home » Collections » Stanford University video collection, 1934-2016 » Videos » Mice, windows, and the great comet; lecture by Alan Kay at MacFest; parts 1 and 2, 1985 May 20

Stanford University Libraries. Special Collections and University Archives: V028

**Mice, windows, and the great comet; lecture by Alan Kay at MacFest; parts 1 and 2, 1985 May 20** [online content](#)

In person

Overview Online content

BEFORE YOU VISIT: Special Collections and University Archives materials are stored offsite and must be pagged 36 hours in advance.

LOCATION OF THIS COLLECTION:

Stanford University Libraries, Special Collections and University Archives

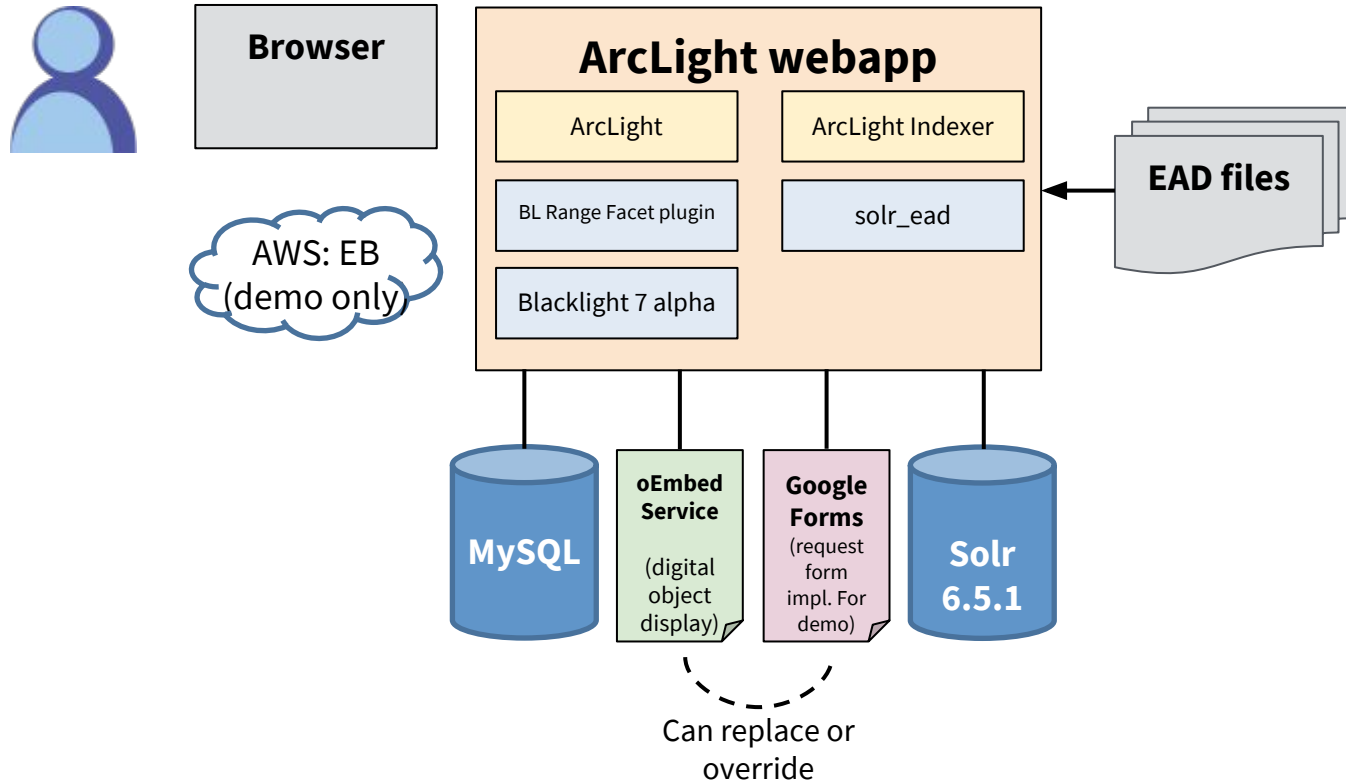
Green Library  
657 Escondido Mall  
Stanford, CA 94305, USA  
(650) 725-1022  
specialcollections@stanford.edu

Terms & Conditions

Mice, windows, and the great comet; lecture at MacFest 2/2

Mice, windows, and the great comet; lecture by Alan Kay at MacFest; parts 1 and 2

# Architecture



# Collaboration with Michigan



- Lots of finding aids in DLXS
- Looking for a modern and accessible interface
- Mark Matienzo taking lead on ArcLight - an opportunity for us to collaborate
- Bentley Historical Library was willing to be engaged in the process of new interface development



# U-M Local testing

Hosting a local arclight instance with 3,000 EAD finding aids. Bentley staff did extensive testing.

- Searching
- Display
- Component Pages
- Online Digital Content
- Requesting Material
- System Administration



# U-M Next Steps



- Identify the use cases served by DLXS to define the MVP
- We host finding aids from seven repositories. Work with Bentley, Clements and Special Collections
- We plan to work on future ArcLight development

# Acknowledgments

## Individuals

Hillel Arnold<sup>3</sup>, Tom Burton-West<sup>3</sup>, Tom Cramer<sup>3</sup>,  
Max Eckard<sup>3</sup>, Roger Espinosa<sup>3</sup>, Erin Fahy<sup>2</sup>,  
Frank Ferko<sup>3</sup>, Charles Fosselman<sup>3</sup>, Patrick Galligan<sup>3</sup>,  
Gary Geisler<sup>1,2</sup>, Bonnie Gordon<sup>3</sup>, Darren Hardy<sup>2</sup>,  
Wendy Hagenmaier<sup>1,3</sup>, Nabeela Jaffer<sup>1,3</sup>, Jenny Johnson<sup>3</sup>,  
Jessie Keck<sup>2</sup>, Gordon Leacock<sup>2</sup>, Mark Matienzo<sup>1,2</sup>,  
Sarah Newhouse<sup>1</sup>, Kayla Ondracek<sup>1</sup>, Michelle Paquette<sup>3</sup>,  
Sarah Patton<sup>3</sup>, Dallas Pillen<sup>3</sup>, Chris Powell<sup>1,3</sup>, Jack Reed<sup>2</sup>,  
John Rees<sup>1,3</sup>, Mike Shallcross<sup>1,3</sup>, Stu Snyder<sup>3</sup>,  
Camille Villa<sup>2</sup>, Jennifer Vine<sup>1,2</sup>, Laura Wilsey<sup>1,3</sup>

- (1) Design phase contributor
- (2) MVP development team member
- (3) MVP development stakeholder

## Institutions

Chemical Heritage Foundation  
Columbia University  
Georgia Tech  
Getty Research Institute  
Indiana University  
National Library of Medicine  
New York University  
Pennsylvania State University  
Rockefeller Archives Center  
Stanford University  
United States Holocaust Memorial Museum  
University of Michigan  
Yale University

# More information

- Demo site: <https://arclight-demo.projectblacklight.org/>
- Design documentation: <http://bit.ly/arclightproject>
- Demo videos: <http://bit.ly/arclight-demo-videos>
- Google Group: <http://bit.ly/arclight-community>

# Thank you!

---

**Mark Matienzo, Stanford University**

**Nabeela Jaffer, University of Michigan**

**John Rees, National Library of Medicine**

**For more information, visit <http://bit.ly/arclightproject>**