Tools for Research in the Field & Archive

UCLA Library Research Workshop Series Fall 2020

Anthony Caldwell
What is this workshop about?

Issues Encountered with my own projects
Issues others have shared

Image source: https://www.cnet.com
Who am I?
Reconstruction of the Pharos Lighthouse of Alexandria
The Field

Image source: https://amayei.nyc3.digitaloceanspaces.com/
Spatial Data
Los Angeles Historic Theatres

Image source: http://stoltzfamily.us/los-angeles/
Internet Archive is a non-profit library of millions of free books, movies, software, music, websites, and more.
Archive vs Field
The Archive

Specific location

Controlled Environment

Open Access

Limited Access

Very Limited Access
The Field

Just about anywhere

Uncontrolled Environment

Access issues

Image source: https://summer.virginia.edu
Collection Methods

Image source: Eric Paré ericpare.com
Cameras
(still and movie)

Image source: https://www.lensrentals.com
Specialized Instruments

Image source: https://forschungsinfrastruktur.bmbwf.gv.at
Drones

Image source: https://www.commercialuavnews.com
Microphones

Image source: https://www.macaulaylibrary.org
Files
Organize
Annotate
Planning

The goal is to work efficiently

What will you do with the information?

Where is it?

What form is it in?

How long will it take?

How long do you have?

What tools can you bring?

Will you have internet access?
Welcome:

- TaskPaper knows about projects, tasks, notes, and tags.
- It auto-formats these items so that your lists are easier to read.
- Delete this text

To Create Items:

- To create a task
- To create a project
- To create a tag

To Organize Items:

- To indent items
- To un-indent item
- To mark a task

To Fold, Focus, and Filter Items:

- To fold/unfold an item click the dot to the left of the item.
- To focus on a single project select it in the sidebar.
- To filter your list enter a search in the toolbar search field.

next wed 3pm

@due(2016-11-16 15:00)
Workflows
Simple File Tracking

Outliner and Folders

- Fox Phoenix Theatre. 1930-1931 - Phoenix
  - Auditorium, proscenium 8 × 10.
  - Construction 8 × 10.
  - Mezzanine 78 × 10.

- Fox Redondo Theatre. 1937-1939 - Redondo Beach
  - Exterior before remodel 5 × 7.
  - Perspective sketch, variant design 8 × 10.

- Auditorium, proscenium 8 × 10.
  - The walls and ceiling are decorated with swirling Art Deco and Zig-Zag motifs, accented by a pair of leaping mythical gazelles above the proscenium. Above them a gilded sunburst spreads out over the ceiling, an ornament incorporating the air intake grille of the ventilation system. The fire curtain displays an abstracted version of the Arizona desert landscape. Gilded grilles echoing the design of the box office and topped by sunbursts flank the proscenium above the front exits. The theatre organ, to accompany silent motion pictures, is at the front of the auditorium.

- Construction 8 × 10.
  - This photograph of the theatre under construction shows the auditorium space offset to the left, belying the symmetry of the façade.

- Mezzanine 78 × 10.
  - The foyer ceiling is decorated with large-scale Art Deco designs abstracted from leaf, flower, sun and wave forms. The arched ceiling is squared off and accentuated by wooden moldings forming broad ribs. Furniture, mirror and lights are all squared off with cut corners, contrasting with the curving forms painted on the ceiling. Even the carpet design exhibits angular diagonals.

- Exterior before remodel 5 × 7.
  - The old Fox Redondo Beach theatre was slated for a remodel and Lee presented two concepts. This photo shows the building to be remodeled. Written on back of photo: Theatre as it appears from main business section of Redondo.
Advanced File Tracking

Folder and Note-taking

Box 2
- Folder 13
  - Fox Phoenix Theatre. 1930-1931 - Phoenix
    - Auditorium, proscenium 8 × 10.
    - Construction 8 × 10.
    - Mezzanine 8 × 10.
  - Fox Redondo Theatre. 1...7-1939 - Redondo Beach
    - Exterior before remodel 5 × 7.
    - Perspective sketch, variant design 8 × 10.

The walls and ceiling are decorated with swirling Art Deco and Zig-Zag motifs, accented by a pair of leaping mythical gazelles above the proscenium. Above them a gilded sunburst spreads out over the ceiling, an ornament incorporating the air intake grille of the ventilation system. The fire curtain displays an abstracted version of the Arizona desert landscape. Gilded grilles echoing the design of the box office and topped by sunbursts flank the proscenium above the front exits. The theatre organ, to accompany silent motion pictures, is at the front of the auditorium.
Files with previews

Operating System
Information and Document Management Software
Articles and papers - Reference Managers
Backup - Plan this strategy carefully!
Make sure all of your data syncs to the cloud or you have multiple copies on different media

Image source: https://www.mgitsol.com
Compare and Contrast Essay Outline Template

A. Introduction
   a. Introduction to the broad topic
   b. Specific topic
   c. Thesis statement

B. Body Paragraphs
   a. Body paragraph #1—First aspect that’s similar or different
      i. Subject #1
         1. Detail #1
         2. Detail #2
      ii. Subject #2
         1. Detail #1
         2. Detail #2
   b. Body paragraph #2—Second aspect that’s similar or different
      i. Subject #1
         1. Detail #1
         2. Detail #2
      ii. Subject #2
         1. Detail #1
         2. Detail #2
   c. Body paragraph #3—Third aspect that’s similar or different
      i. Subject #1
         1. Detail #1
         2. Detail #2
      ii. Subject #2
         1. Detail #1
         2. Detail #2

C. Conclusion
   a. Summary of main points—Restate thesis while synthesizing information from body paragraphs
<table>
<thead>
<tr>
<th>Trail</th>
<th>Link</th>
<th>Distance</th>
<th>Round Trip Time</th>
<th>Hiked</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Longmire</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twin Firs Loop Trail</td>
<td></td>
<td>.4 mi loop</td>
<td>20m</td>
<td></td>
</tr>
<tr>
<td>Passes through old growth forest</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trailhead 2 miles west of Longmire</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>My Notes:</strong> Really cool hike with Brooke. She wants to do it again. She saw a rabbit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trail of the Shadows</td>
<td></td>
<td>.7 mi loop</td>
<td>20m</td>
<td></td>
</tr>
<tr>
<td>Replica of an early homestead cabin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lots of animals?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trailhead across from National park Inn at Longmire</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>My notes:</strong> Way too long for Brooke's hiking attention span</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rampart Ridge Trail</td>
<td></td>
<td>4.5 mi loop</td>
<td>2.5h</td>
<td></td>
</tr>
<tr>
<td>Ridge top vista views</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trailhead: Follow Trail of the Shadows to trail junction</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>My notes:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Paradise</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nisqually Vista Trail</td>
<td></td>
<td>1.2 mi loop</td>
<td>45m</td>
<td></td>
</tr>
<tr>
<td>This was cool</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bench &amp; Snow Lakes Trail</td>
<td></td>
<td>2.5 mi loop</td>
<td>2h</td>
<td></td>
</tr>
<tr>
<td><strong>Ohanapecosh</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life Systems Trail – The Forests &amp; Springs of Ohanapecosh</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.5 mi loop 30m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mac, iPad, and iPhone

Omnioutliner

https://www.omnigroup.com/omnioutliner/
Box 2
Folder 13

Fox Phoenix Theatre, 1930-1931 - Phoenix
Auditorium, proscenium 8 x 10.
• The walls and ceiling are decorated with swirling Art Deco and Zig-Zag motifs, accented by a pair of leaping mythical gazelles above the proscenium. Above them a gilded sunburst spreads out over the ceiling, an ornament incorporating the air intake grille of the ventilation system. The fire curtain displays an abstracted version of the Arizona desert landscape. Gilded grilles echoing the design of the box office and topped by sunbursts flank the proscenium above the front exits. The theatre organ, to accompany silent motion pictures, is at the front of the auditorium.

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Mezzanine 78 x 10.
• The foyer ceiling is decorated with large-scale Art Deco designs abstracted from leaf, flower, sun and wave forms. The arched ceiling is squared off and accentuated by wooden moldings forming broad ribs. Furniture, mirror and lights are all squared off with cut corners, contrasting with the curving forms painted on the ceiling. Even the carpet design exhibits angular diagonals.

Folder 14

Fox Redondo Theatre, 1937-1939 - Redondo Beach
Perspective sketch, variant design 8 x 10.
• In this concept drawing, Lee proposes another more elaborate Streamline Moderne design for the Fox Redondo Beach remodel.

Exterior before remodel 8 x 7.
• The old Fox Redondo Beach theatre

Mac, Windows, iPad, iPhone, Android and Web
Microsoft Word

Windows

UV Outliner

<table>
<thead>
<tr>
<th>Topic</th>
<th>Priority</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release 2.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multicolumn support</td>
<td>1</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Printing</td>
<td>1</td>
<td>1 day</td>
</tr>
<tr>
<td>Export multicolumn document to all formats</td>
<td>1</td>
<td>3 days</td>
</tr>
<tr>
<td>Inline notes</td>
<td>2</td>
<td>3 days</td>
</tr>
<tr>
<td>Import from other tools (OPML, etc...)</td>
<td>2</td>
<td>2 days</td>
</tr>
<tr>
<td>New website</td>
<td>3</td>
<td>1 week</td>
</tr>
<tr>
<td>Bugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Export list with an empty row</td>
<td>2</td>
<td>20 mins</td>
</tr>
<tr>
<td>Printing doesn't work correctly</td>
<td>1</td>
<td>1 hour</td>
</tr>
<tr>
<td>Find + Esc = Bug</td>
<td>3</td>
<td>10 mins</td>
</tr>
<tr>
<td>Formatting of some rows can be lost</td>
<td>3</td>
<td>2 hours</td>
</tr>
<tr>
<td>Setup cannot install icon in quick launch</td>
<td>3</td>
<td>1 hour</td>
</tr>
<tr>
<td>Other bugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feature requests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Web Site</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ideas</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Note-taking

Image source: https://dailybruin.com
Trip itinerary

Monday, June 23, 2014  5:36 PM

- Book all flights
- Hotel reservation confirmation: 11 days? Parking?
- Rental car: Four door or SUV?
- Hotel conference room: Book for Tuesday 9am (confirm extra seats)
- Set up lunch catering for Tuesday
- Client hotel accommodations
- Ratings/maps: restaurants/grocery stores
- Create final guest list
- Sign up for tour of Notre Dame

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Budget Spreadsheet

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airfare</td>
<td>$2,000</td>
</tr>
<tr>
<td>Hotel</td>
<td>$3,500</td>
</tr>
<tr>
<td>Car rentals</td>
<td>$1,000</td>
</tr>
<tr>
<td>Meals</td>
<td>$800</td>
</tr>
<tr>
<td>Other expenses</td>
<td>$1,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$8,300</strong></td>
</tr>
</tbody>
</table>

---

Meet John at the tower @ 2pm

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Mac, Windows, iPad, iPhone, Android and Web

Microsoft OneNote

Evernote

Mac, Windows, iPad, iPhone, Android and Web

https://evernote.com/
Hamlet

Prince Hamlet is depressed. Having been summoned home to Denmark from school in Germany to attend his father's wedding, Hamlet's Uncle Claudius, the dead king's brother, has been crowned King despite the fact that Hamlet's father was murdered by Claudius himself.

Hamlet's mother, Queen Gertrude, has remarried to Claudius, and Hamlet is troubled by the recent events. He questions the Ghost's plan to avenge the murder and whether it is right for the King to marry his mother so soon after her husband's death.

Claudius and Gertrude are both consumed by guilt and fear of Hamlet's discovery of the truth. They hope to use Hamlet's grief and confusion to their advantage. Hamlet, on the other hand, is determined to confront his uncle and seek justice for his father.

In his continued reluctance to dispatch Claudius, Hamlet actually causes six ancillary deaths. The first death belongs to Polonius, whom Hamlet stabs through a wall hanging as the old man spies on Hamlet and Gertrude in the Queen's private chambers. The subsequent deaths are caused by various misadventures, including the Mousetrap, a success in Hamlet's plan to trap Claudius.
Mac iPad and iPhone

Keep it

https://reinventedsoftware.com/keepit/
Document and Information Management

Image source: https://www.steptwo.com.au
Tropy

Mac and Windows

Tropy

https://tropy.org/
Mac, Windows, iPad, iPhone, and Web

Endnote

https://endnote.com/
Task Management

Image source: https://www.smartsheet.com
Welcome:
- TaskPaper knows about projects, tasks, notes, and tags.
- It auto-formats these items so that your lists are easier to read.
- Delete this text when you are ready to start your own lists.

To Create Items:
- To create a task, type a dash followed by a space. @done
- To create a project, type a line ending with a colon. @done
- To create a tag, type '@' followed by the tag's name. @done

To Organize Items:
- To indent items press the Tab key. @done
- To un-indent items press Shift Tab. @done
- To mark a task done click leading dash. @done

To Fold, Focus, and Filter Items:
- To fold/unfold an item click the dot to the left of the item. @done
- To focus on a single project select it in the sidebar.
- To filter your list enter a search in the toolbar search field.
Mac, Windows, iPad, iPhone, Android and Web

Trello

GNU Image Manipulation Program (GIMP)

https://www.gimp.org/
Mac and Windows

Affinity Photo

https://affinity.serif.com/en-us/photo/
Mac
GraphicConverter

https://www.lemkesoft.de/en/products/graphicconverter/
### A Better Finder Rename

**Category:** Sequence Numbers  
**Action:** Produce sequence number list

Prefix: Hubble Space Telescope
Suffix:

Start with: 1  
Step value: 1
Padding: 3 digits minimum

Sort first: By EXIF digital camera date (from oldest to newest)  
Then: By creation date (from oldest to newest)  
Sort each folder separately
Change: only the file name

<table>
<thead>
<tr>
<th>Current Name</th>
<th>Change to</th>
</tr>
</thead>
<tbody>
<tr>
<td>heic0114a.jpg</td>
<td>Hubble Space Telescope 001.jpg</td>
</tr>
<tr>
<td>opo0214a.jpg</td>
<td>Hubble Space Telescope 002.jpg</td>
</tr>
<tr>
<td><strong>opo0328a.jpg</strong></td>
<td><strong>Hubble Space Telescope 003.jpg</strong></td>
</tr>
<tr>
<td>opo0432d.jpg</td>
<td>Hubble Space Telescope 004.jpg</td>
</tr>
<tr>
<td>heic1307a.jpg</td>
<td>Hubble Space Telescope 005.jpg</td>
</tr>
<tr>
<td>op1431b.jpg</td>
<td>Hubble Space Telescope 006.jpg</td>
</tr>
<tr>
<td>heic1501a.jpg</td>
<td>Hubble Space Telescope 007.jpg</td>
</tr>
<tr>
<td>heic1608a.jpg</td>
<td>Hubble Space Telescope 008.jpg</td>
</tr>
<tr>
<td>potw1803a.jpg</td>
<td>Hubble Space Telescope 009.jpg</td>
</tr>
<tr>
<td>potw1929a.jpg</td>
<td>Hubble Space Telescope 010.jpg</td>
</tr>
</tbody>
</table>

- **Process:** Files  
- Show Advanced Sidebar  
- Create Droplet...

Perform Renames

https://www.publicspace.net/ABetterFinderRename/index.html
Bulk Rename Utility

https://www.bulkrenameutility.co.uk/

Windows

Bulk Rename Utility

https://www.bulkrenameutility.co.uk/
Group of Engineers to Inspect Theater

A group of Southern California mechanical and electrical engineers today will inspect the new Los Angeles Theater as the guests of H. L. Gumbiner and S. Charles Lee, owner and architect, respectively. The tour will begin at 8 a.m. Two of the innovations in which the engineers have evinced interest are the $30,000 switchboard, said to be the largest of its kind in the world, and the dual projection device which makes possible the simultaneous showing of the picture in two places, the main auditorium and the waiting salon.
Mac, Windows, iPad, iPhone, Android and Web

XMind

https://www.xmind.net/
Mac, Windows, and iOS

Aeon-Timeline

https://www.aeontimeline.com/
Fig. 3. Rapid imaging of \((Ca^{2+})_{\text{im}}\) in single MIN6 ß-cells. Cells infected with adenovirus expressing recombinant targeted pericam were imaged in KRB medium (22°C) with a 63x oil immersion objective using a spinning disc confocal microscope (Zeiss Axiovert with Yokogawa head controlled with Improvision Velocity™ software) with acquisition of a complete 3D data set (15 slices through the cell at 440 and 493 nm, 0.5 μm spacing) every 0.83 s using a Hamamatsu EM charge-coupled device camera. Acetylcholine (100 μM) and KCl (30 mM) were added as indicated at the arrows. After appropriate background correction, pseudocoloured ratio images were generated offline (A). The dashed line indicates the point of contact between two individual cells as identified morphologically under bright field illumination. (B) Apparent changes in \((Ca^{2+})_{\text{im}}\) in the three voxels shown are plotted; voxels 2 and 3 in the same separate represent regions in the cell interior (perinucleus) and periphery, respectively.

Highlighting, like with the text marker

in line with earlier studies on INS-1 cell populations expressing the much less pH sensitive probe aequorin, targeted to the ER lumen [26] and with studies in which the fluorescence of ER-trapped farupra was assessed rapidly after the permeabilisation of ß-cells pre-exposed to varying glucose concentrations [129]. Nevertheless, none of the above data are alone sufficient to eliminate the possibility that CICR may arise from the evoked release of mitochondrial-targeted pericam [126,127] respectively (Fig. 4). By activating intramitochondrial dehydrogenases [131] these increases in intramitochondrial \([Ca^{2+}]\) may thus underlie reported oscillations in both mitochondrial NAD(P)H [43,132] and cytosolic ATP [11] (Fig. 4). Interestingly, however, the slow oscillations in the two compartments occurred with a clear phase shift, with the increases...
Questions?

Anthony Caldwell
UCLA Digital Research Consortium
Scholarly Innovation Labs
11630L Charles E. Young Research Library
sil@ucla.edu