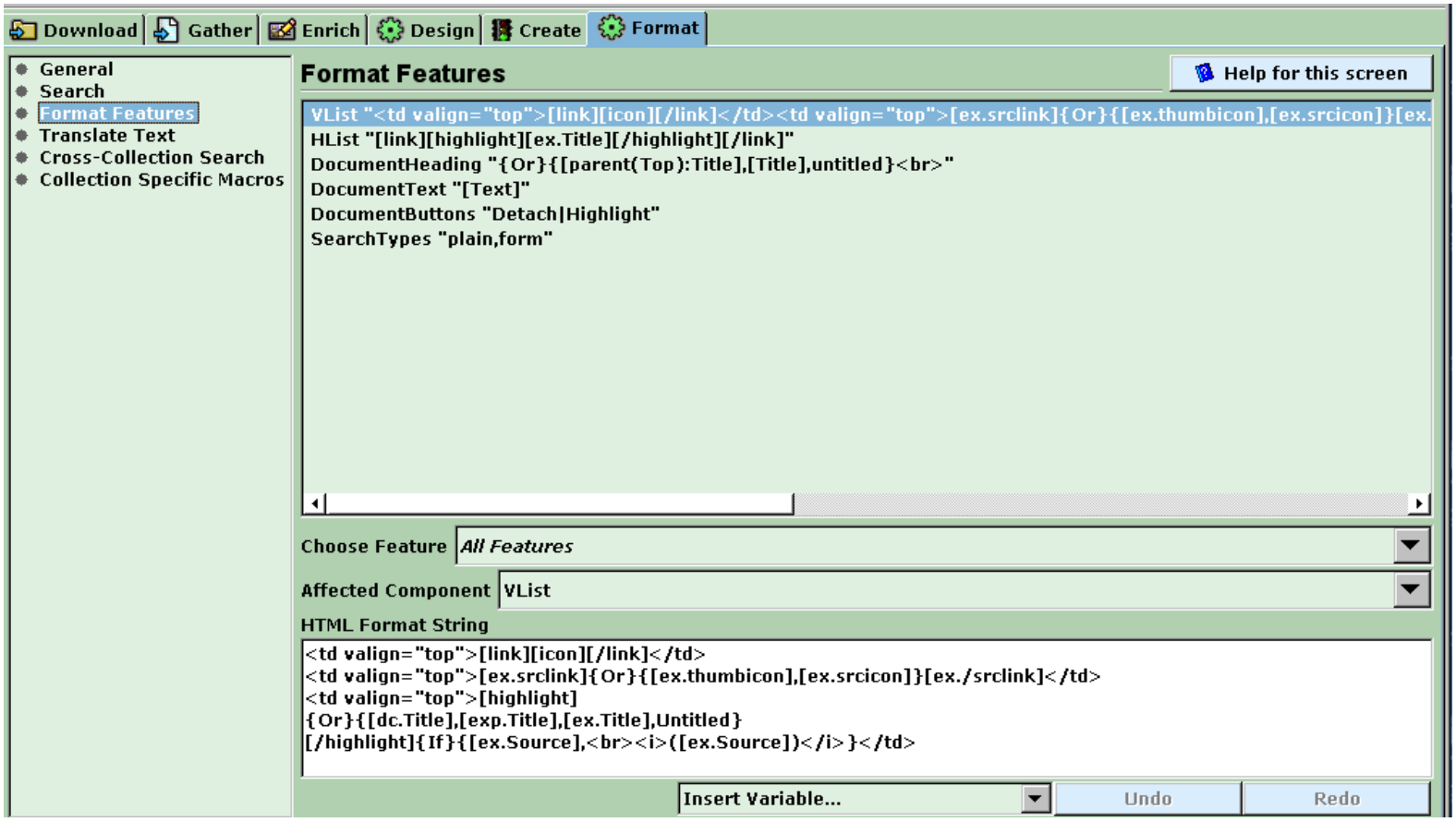
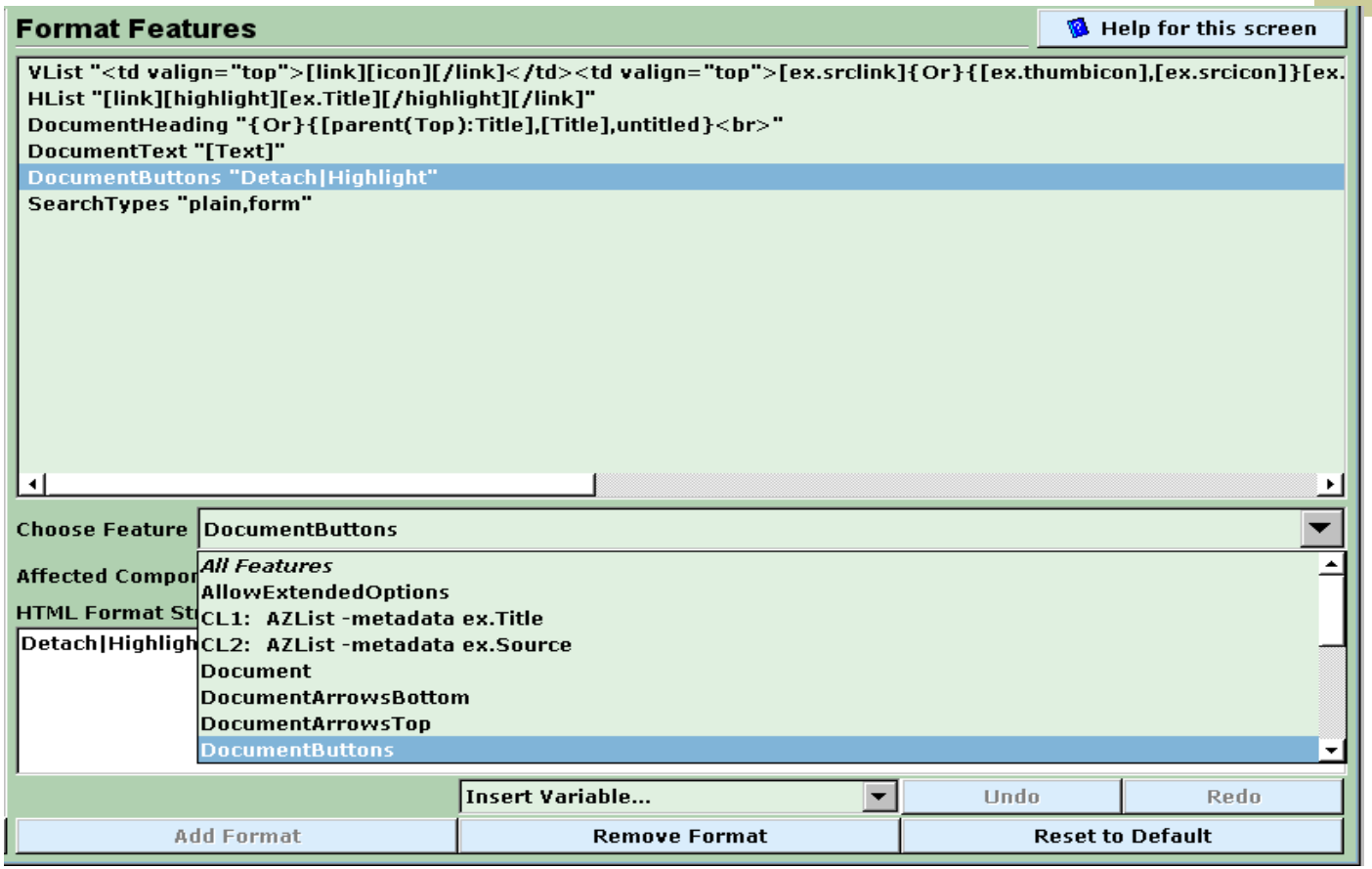
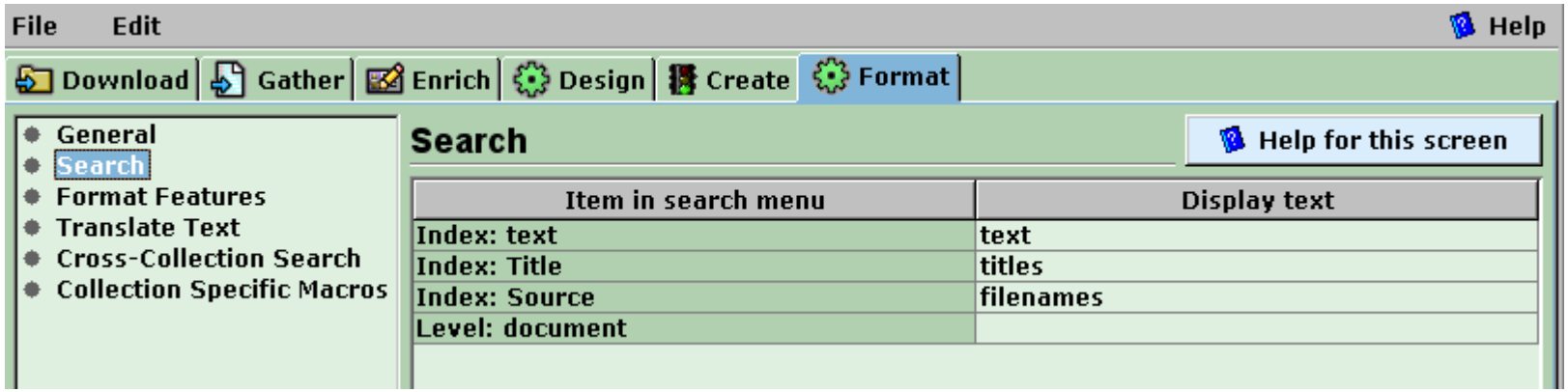
Searching - Greenstone setup

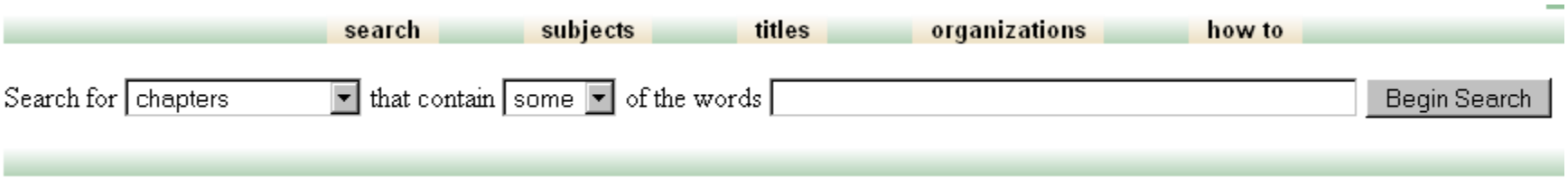


Searching - Greenstone setup



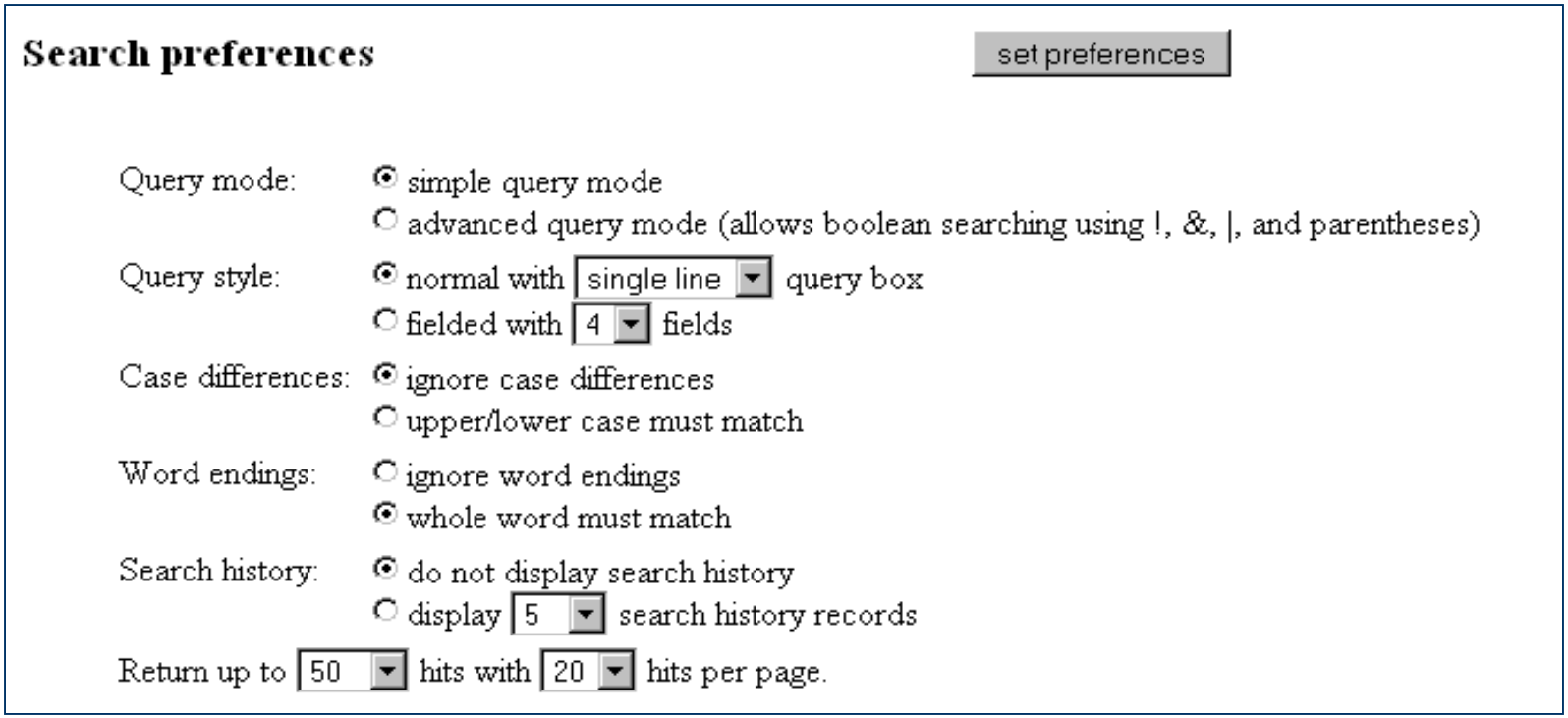
Searching - Greenstone user interface





Searching - Greenstone Preferences

What the end user sees:

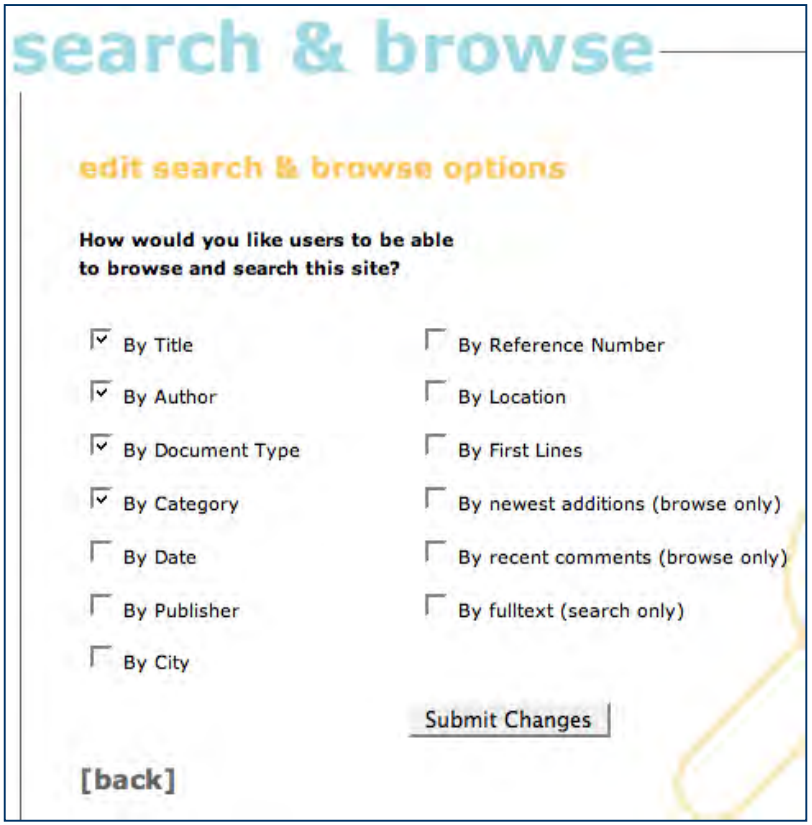


Searching - Greenstone Preferences

Functionality and look of page controlled in prefs.dm macro file:

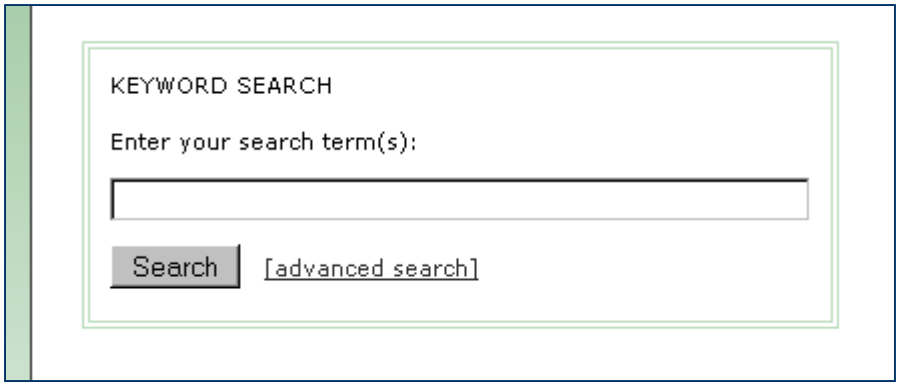
```
# page content
#############################################################
_pagetitle_ {_collectionname_: _textpreferences_}
_imagethispage_ {_textpreferences_}
_htmloptions_ {}
_htmloptionson_ {
<p><tr>_fcoption_</tr>
<p><tr>_hloption_</tr>
<p><tr>_extlinkoption_</tr>
_If_(_PreferenceDocsFromWeb_,<p><tr>_intlinkoption_</tr>)
}
_fcoption_ {
<td valign=baseline>Document page layout</td>
<td><input type=radio name=fc value=1 onClick="updatefc(1);"
        _If_(_cgiargfc_, checked)>navigation bar at top<br>
        <input type=radio name=fc value=0 onClick="updatefc(0);"
       _If_(_cgiargfc_,, checked)>no navigation bar</td>
}
```

Searching - Streetprint setup

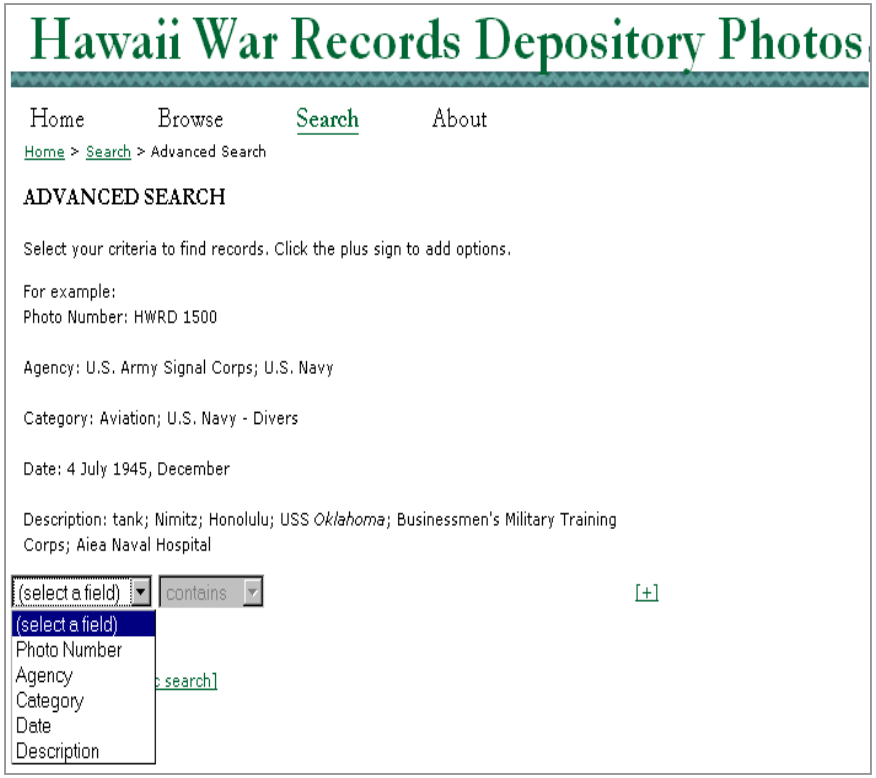


Searching - Streetprint user interface

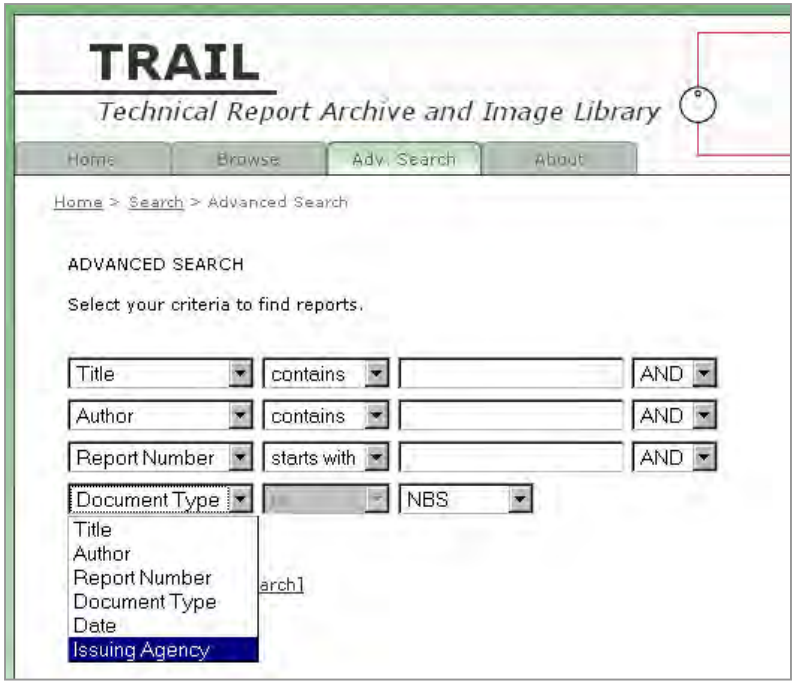
Default is ultra-simple keyword search



Searching - Streetprint user interface



Advanced search with instructions or multiple pull down menus



Streetprint - user interface
Comments

community

Commenting is currently ON.

- disable visitor commenting
- delete comments

[back]

Comments for

Heeia - for our people

Name

E-mail (optional)

Comments

Add Comment

Customizing

Which code looks like more fun?

Customizing

```
format VList <td valign=top>[link][icon][/link]</td>
<td
valign=top>[highlight]{Or}{[Title],Untitled}[/highlight]
<i><small>{If}{[Date],<br>_textdate_[Date]}{If}{[NumPages],
<br>_textnumpages_[NumPages]}{If}{[Source],
<br>_texts\source_[Source]}</small></i></td>
```

```
$tmpl->addVars( "viewtext", array
(  "TEXT_NAV"     => $textnav->getHtml(),
   "IMAGE1"        => $image1,
   "MAIN_IMAGE_WIDTH" => $mainImgWidth,
   "TEXT_TITLE"    => $text->title,
   "TEXT_TITLE_UC"    => strtoupper($text->title),
   "RECORD"        => $text->getRecord($gfx),
   "RIGHT_COL_WIDTH" => $rightColWidth,));
```

Customizing

```
$tmpl->addVars
( "searchresults", array("THUMBS" => $thumbnails,
"PAGINATION" => $pag, "VIEW_SWITCHER" =>
$switcher));if(!empty($legend))
{$tmpl->addVar("commentLegend",
"COMMENT_LEGEND", $legend); } else
{ $tmpl->setAttribute("commentLegend",
"visibility","hidden");}
```

```
<format><td valign=top>[link][icon][/link]</td><td
valign=top>[srclink][srcicon][/srclink]</td>
<td valign=top>[highlight]{Or}{[
dls.Title],Untitled}[/highlight]<i><small>{If}{[Date
],<br>{If}{[NumPages],<br>_textnumpages_[NumPages]}
{If}{[Source]</small></i></td>
</format>
```

Streetprint customization
Templates, Pages, Includes

/streetprint/DB/Pages
- about_contact.php
- about.php
- advancedsearch.php
- basicsearch.php
- browseby.php
- browselist.php
- browse.php
- bytitle.php
- search.php
- searchresults.php
- viewfulltext.php
- viewimage.php
- viewmedia.php
- viewtext.php

/streetprint/DBs/templates/Pages/
- about_tmpl.html
- advancedsearch_tmpl.html
- basicsearch_tmpl.html
- browseby_tmpl.html
- browselist_tmpl.html
- browse_tmpl.html
- index_tmpl.html
- searchresults_tmpl.html
- viewfulltext_tmpl.html
- viewimage_tmpl.html
- viewmedia_tmpl.html
- viewtext_tmpl.html

/streetprint/DB/include/
- about_navigation.inc
- allObjects.inc
- navigation.inc
- sp_fieldnames.inc
- sp_footer.inc
- sp_graphicfiles.inc
- sp_header.inc
- sp_initialization.inc
- sp_subdir_header.inc

Greenstone customization
Macros,Config files

/gsdl/macros

- about.dm
- browse.dm
- collect.dm
- dateqry.dm
- extra.dm
- gli.dm
- help.dm
- home.dm
- html.dm
- nav_css.dm
- pref.dm
- query.dm
- style.dm
- yourhome.dm

There are 103 macro files, most of them are for language definitions: arabic to urdu

Greenstone customization
Format statements & string items

```
[link][/link]
[srclink][/srclink]
[icon]
[srcicon]
[num]
[numleafdocs]
[Text]
[RelatedDocuments]
[highlight][/highlight]
[Summary]
[DocOID]
[DocRank]
[DocImage]
[collection:meta-name]
```

```
VList
HList
DateList
SearchVList
DocumentVList
CL1VList
CL1HList
CL1DateList
```

Greenstone customization
Format statements & string items

Conditional expressions in formatstrings

Item	Description
{If}{[metadata], action-if-non-null, action-if null}	If there is a value for this metadata element, then output the first clause, otherwise output the second clause. Either clause is optional: if empty, nothing will be done for that case.This is useful for displaying classifier nodes differently to document nodes: {If}{[numleafdocs],format for classifier,format for document}
{If}{[metadata] op value, action-if-true, action-if-not-true}	Can do tests on metadata values. These can be string comparisons, or numeric comparisons. Valid operators are: **String Numeric Meaning** eq == equals ne != not equals gt > greater than ge >= greater than or equal to lt < less than le <= less than or equal to sw starts with ew ends with Note that only eq and ne are available for Greenstone versions 2.60 and earlier.
{Or}{[metadata], [metadata2], [metadata3]...}	Each metadata is evaluated in turn, and the first one that exists is output Useful for cases where there are different namespaced version of the same metadata, e.g. {Or}{[dc.Title],[dls.Title],[Title],Untitled}. The last item can be plain text.
nested If/Or	{Or} can have another conditional as its final option, eg {Or}{[BookTitle],[Title],{If}{[XXX],aaa,bbb} }. The following is not valid: {Or}{[BookTitle],[Title]{If}{[XXX],aaa,bbb} }. {If} can have nested conditionals at either true/false option. eg. {If}{[numleafdocs],[Title],[BookTitle]{If}{[Subject],[Subject],unclassified} }

Greenstone customization
CGI

cgi arguments used by library encode the parameters of each page, e.g., what kind of page to display, what query to carry out. a is the main cgi argument and determines which action is used to display the page.

1 a=p: Page action
2 a=q: Query action
3 a=d: Document action
4 a=extlink: External Link action

Queries then have many options:

t search type - if b=0, 0=all, 1=some. if b=1, 0=boolean, 1=ranked

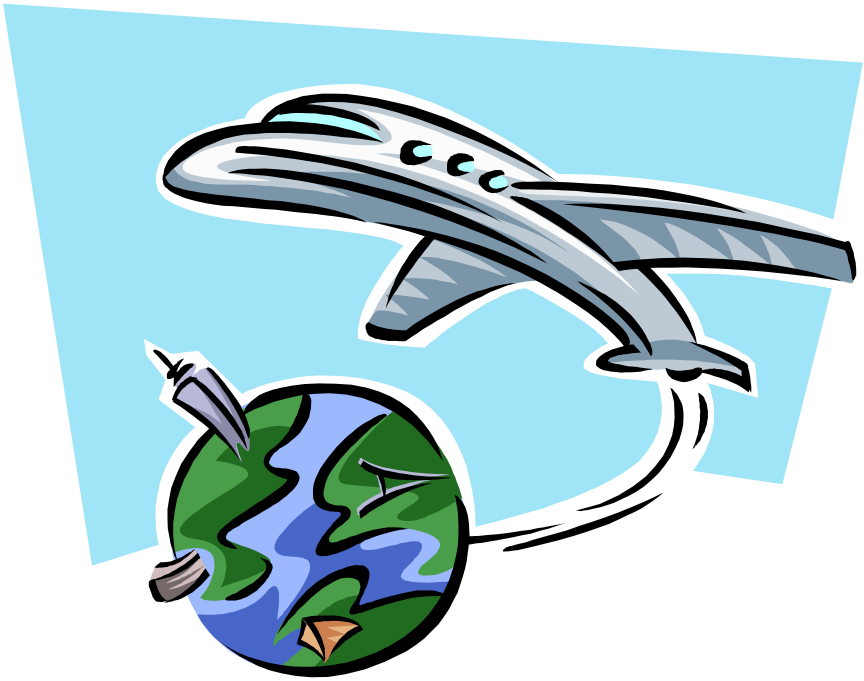
m max number of documents to return in search results

o how many documents to display per page of search results

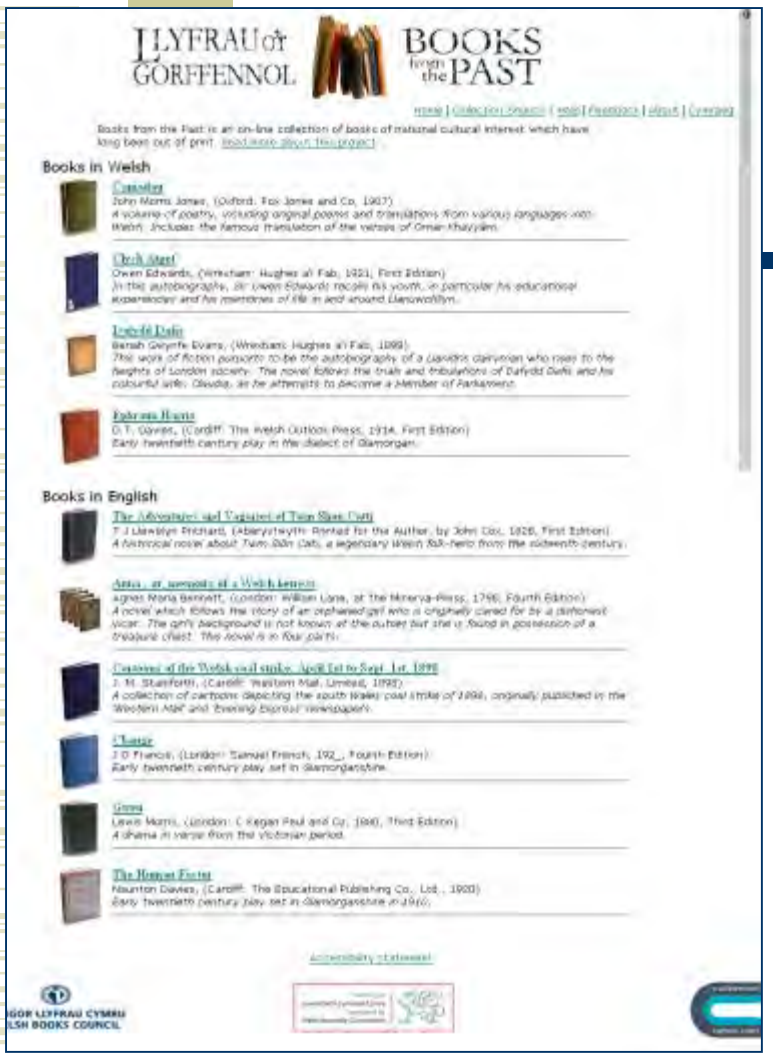
r which result number to start from for the current page of results

OK, have we had enough tech?

Time for a tour …



Sites using Greenstone



http://www.booksfromthepast.org/

http://nzdl.sadl.uleth.ca/cgi-bin/library

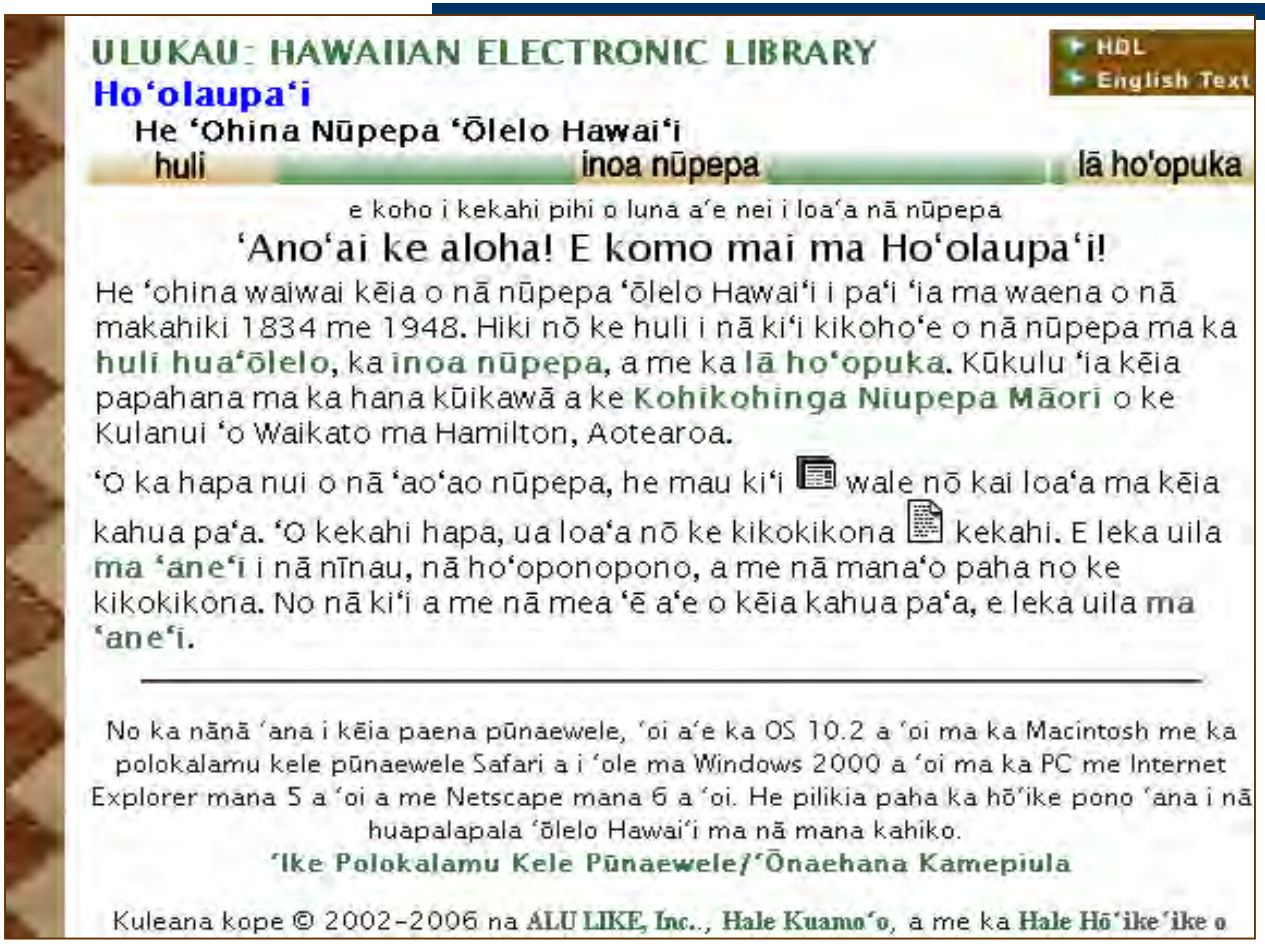
Sites using Greenstone

http://image2.nybg.org/cgi-bin/nybg.exe

http://bridges.lib.lehigh.edu/cgi-bin/library?a=p&p=home

Sites using Greenstone

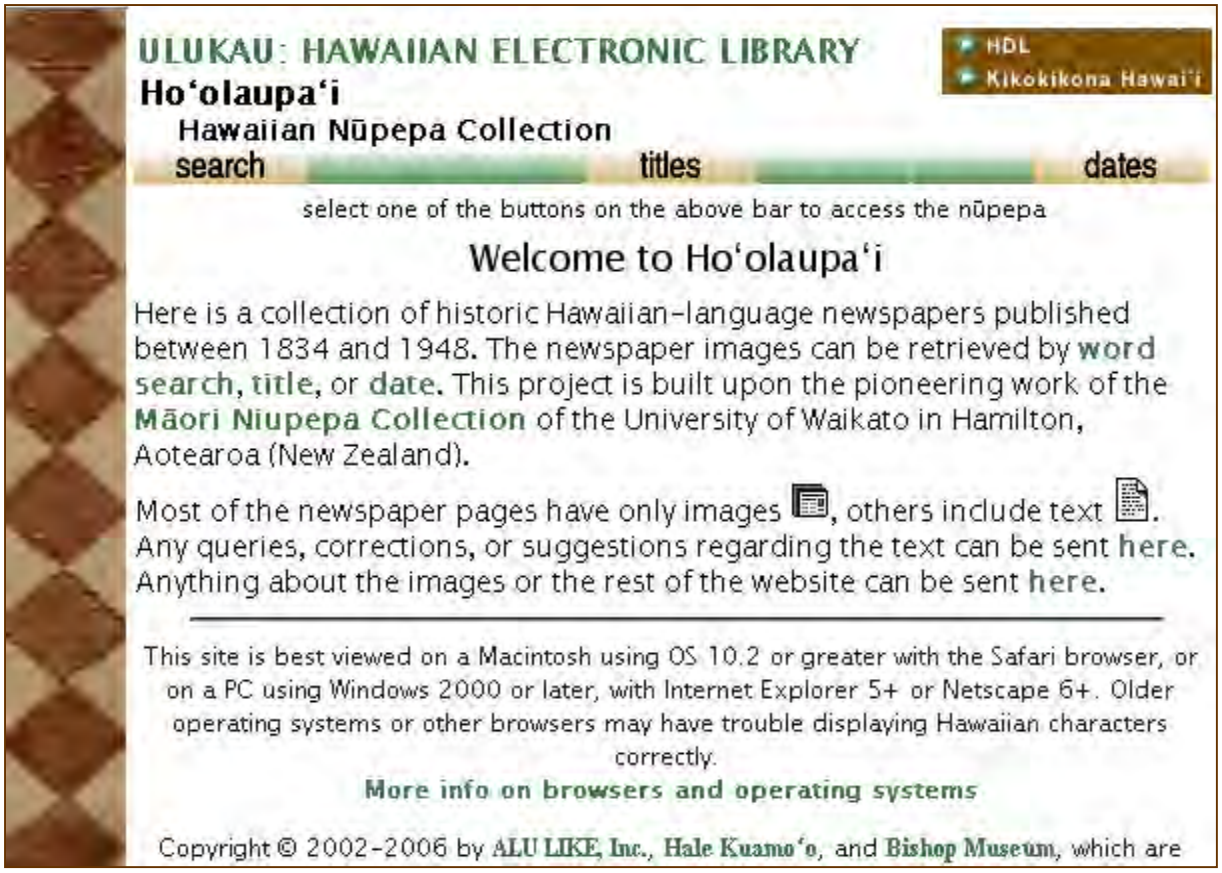
Hawaiian Language Newspapers http://nupepa.org/



Sites using Greenstone

Hawaiian Language Newspapers

part of The Hawaiian Electronic Library http://www.ulukau.org/



http://www.infoapolice.sk/streetprint/

Sites that use Streetprint

http://cushing.tamu.edu/collections/images/

http://www.opmagazine.com/streetprint/

Sites that use Streetprint

University of Victoria Maltwood Art Museum and Gallery

http://maltwood.uvic.ca/physics/

http://www.maltwood.uvic.ca/lorenze

Sites that use Streetprint

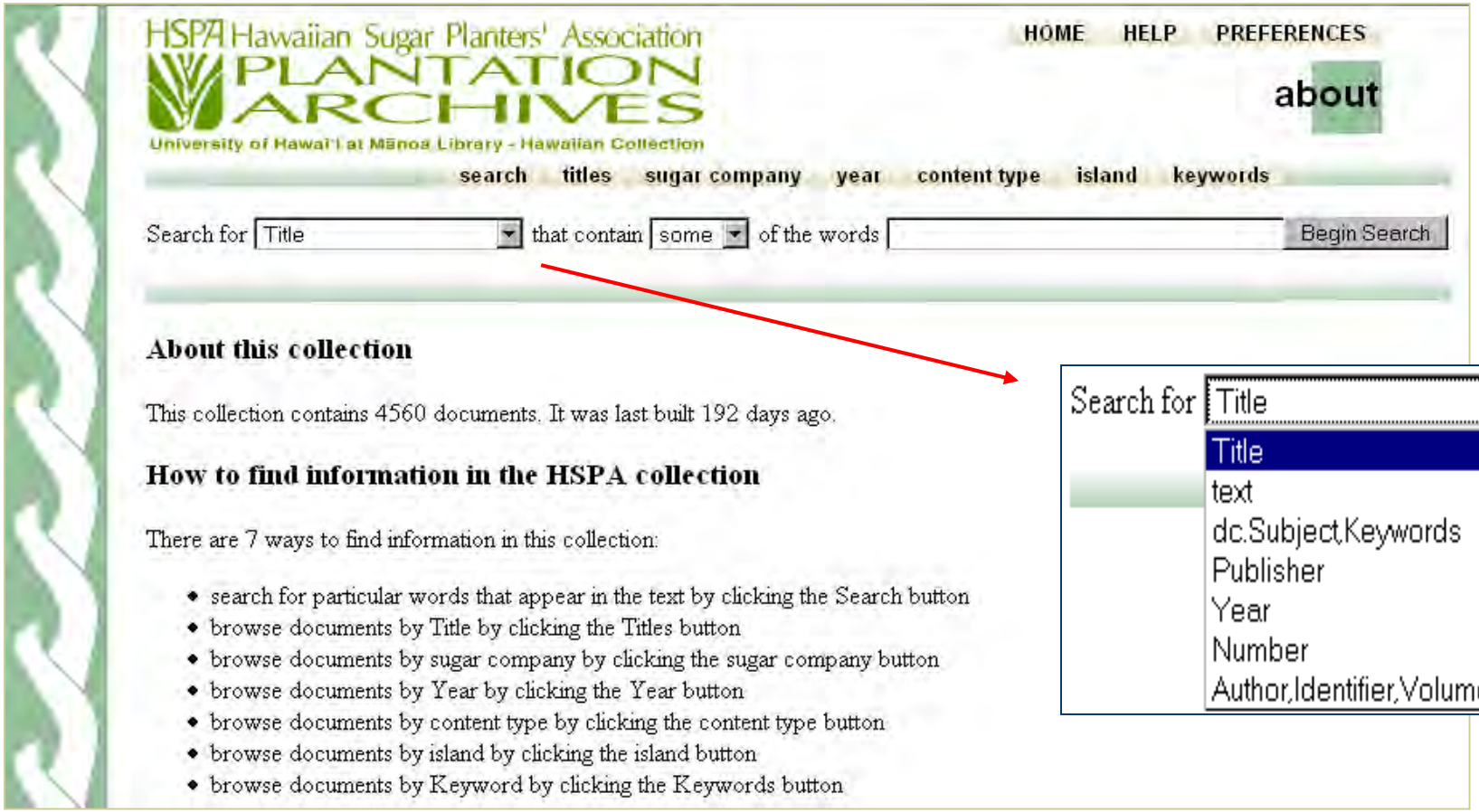
http://www.spleencoffin.com/streetprin

http://www.edmontonsmallpress.org/catalogue/

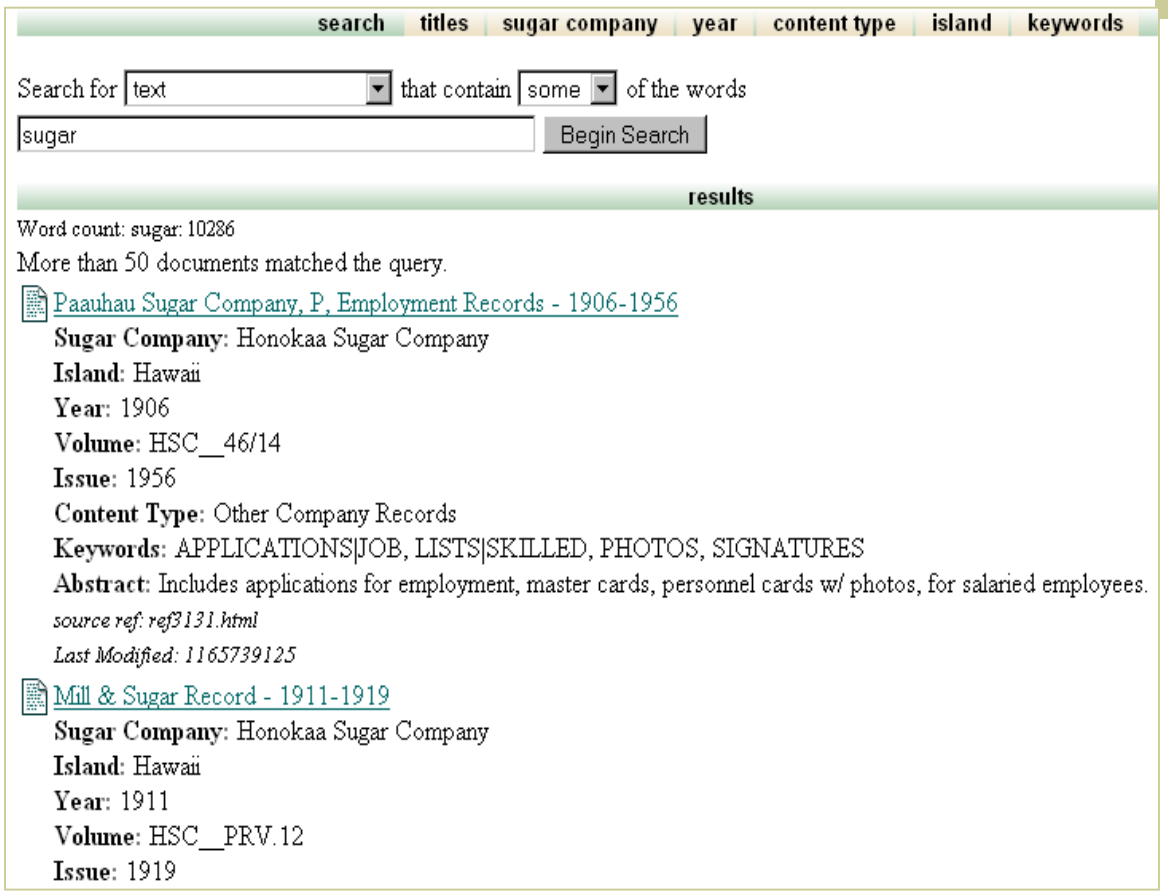
Greenstone at UH Manoa:
not as far along as we thought we'd be

http://128.171.57.25/gsdl/cgi-bin/library

Greenstone at UH Manoa: HSPA



Greenstone at UH Manoa:
HSPA records - default



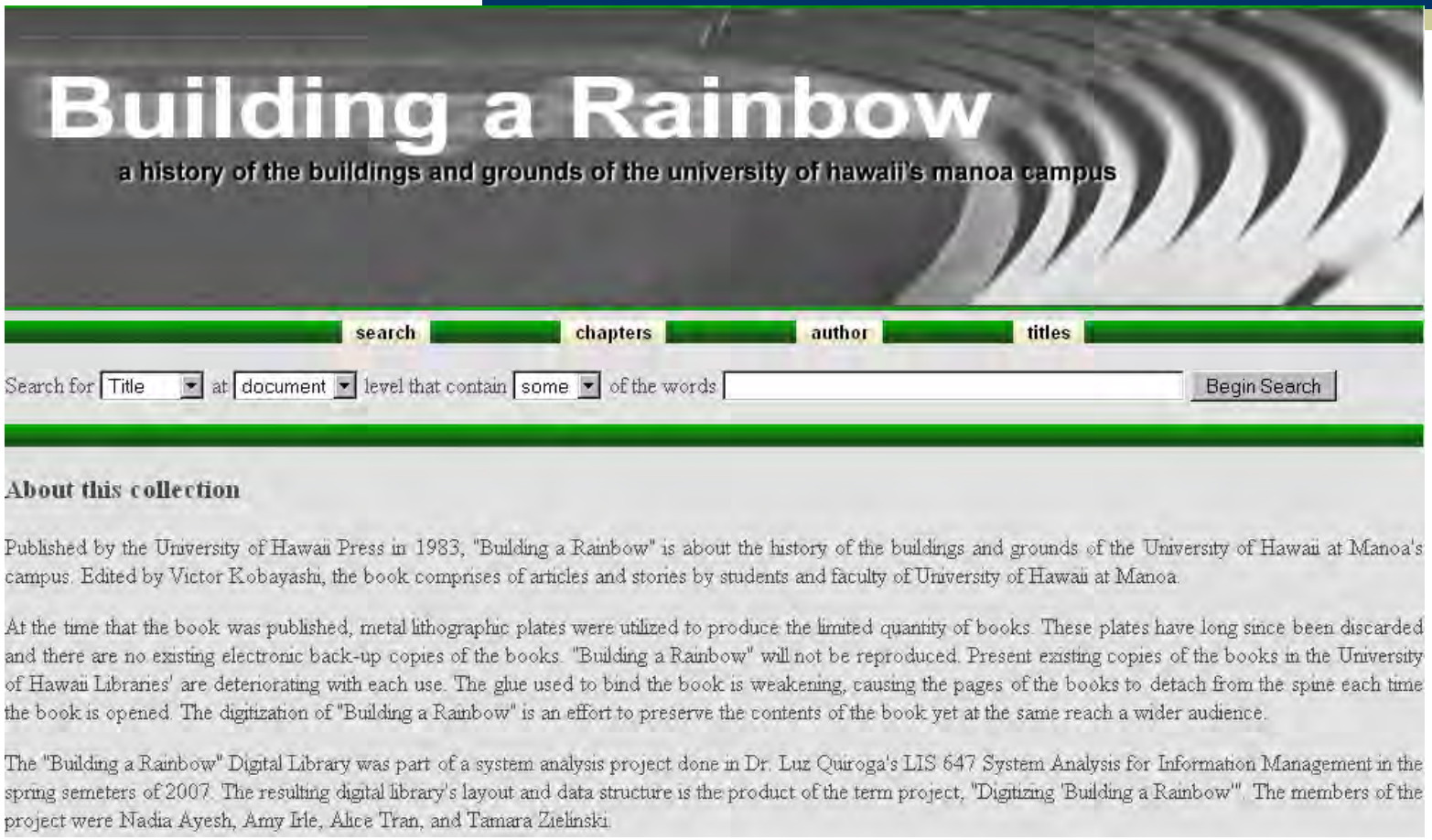
Greenstone at UH Manoa:
HSPA - labelled

Paauhau Sugar Company, P, Employment Records - 1906-1956

Title	Paauhau Sugar Company, P, Employment Records - 1906-1956
Sugar Company	Honokaa Sugar Company
Island	Hawaii
Content Type	Other Company Records
Volume	HSC__46/14
Issue	1956
Keywords	APPLICATIONS|JOB, LISTS|SKILLED, PHOTOS, SIGNATURES
Abstract	Includes applications for employment, master cards, personnel cards w/ photos, for salaried employees.

Greenstone at UH Manoa:
HSPA search types

Greenstone at UH Manoa: Building a Rainbow



Greenstone at UH Manoa:
Trust Territory of the Pacific Archive Photos

http://libweb.hawaii.edu/digicoll/ttp/ttpi.html

Table of Contents

- History of the TTPI Project
- » Creation of Archives
- » Digitized Database
- » Trust Territory Today
- » TTPI Photo Collection
- View the TTPI Photo Archive
- » Viewing Guide & Gallery
- » Browse by Reel
- » Jump to a Random Reel
- Search Photo Descriptions with Google

Trust Territory of the Pacific Islands Archives
BROWSE BY REEL

Continue to Reels:
[1756a-2219] [2220-2439] [2440-2639] [2640-2839]
[2840-3029] [3030-3209] [3211-3399] [3401-4112]

Reel #1756a PARTI (PHOTOS 1 - 21)
VERY WIDE VARIETY SUBJECTS, CONTACT SHEETS AND NEGS: GOV'T MEETINGS, SHIP BUILDING, SCENERY, GRADUATION, AGRICULTURE, HEALTH, ABAI, PERSONNEL, HANDICRAFT, MISCELLANEOUS.

Reel #1756b PARTII (PHOTOS 22 - 32)

Reel #1756c PARTIII (PHOTOS 33 - 53)

Reel #1756d PARTIV (PHOTOS 54 - 69)

Reel #1756e PARTV (PHOTOS 70 - 99)

Google™ libweb ttp reel Search
Search pages within **hawaii.edu**

Web

Trust Territory of the Pacific Islands Archives
A photo archive of Micronesia.
libweb.hawaii.edu/digicoll/**ttp**/**ttp**i.html - 8k - Cached - Similar pages

Trust Territory of the Pacific Islands Archives
Reel #3211 MAYNARD NEAS PORTRIATS, AT WORK, BEING HONORED BY TT EMPLOYEES ON ... **Reel** #3224 SPECIAL AD HOC COMMITTEE TO FORMULATE A PLAN FOR CRIME CONTROL. ...
libweb.hawaii.edu/digicoll/**ttp**/photodescript7.html - 36k - Cached - Similar pages

Trust Territory of the Pacific Islands Archives
Reel #1869a (PART I - CAROUSEL 1 OF 3, 78 SLIDES) SLIDES OF DAMAGE BY TYPHOON JEAN IN 1968, MARIANAS. ... **Reel** #1869b (PART II - CAROUSEL 2 OF 3, 80 SLIDES) ...
libweb.hawaii.edu/digicoll/**ttp**/photodescript.html - 30k - Cached - Similar pages

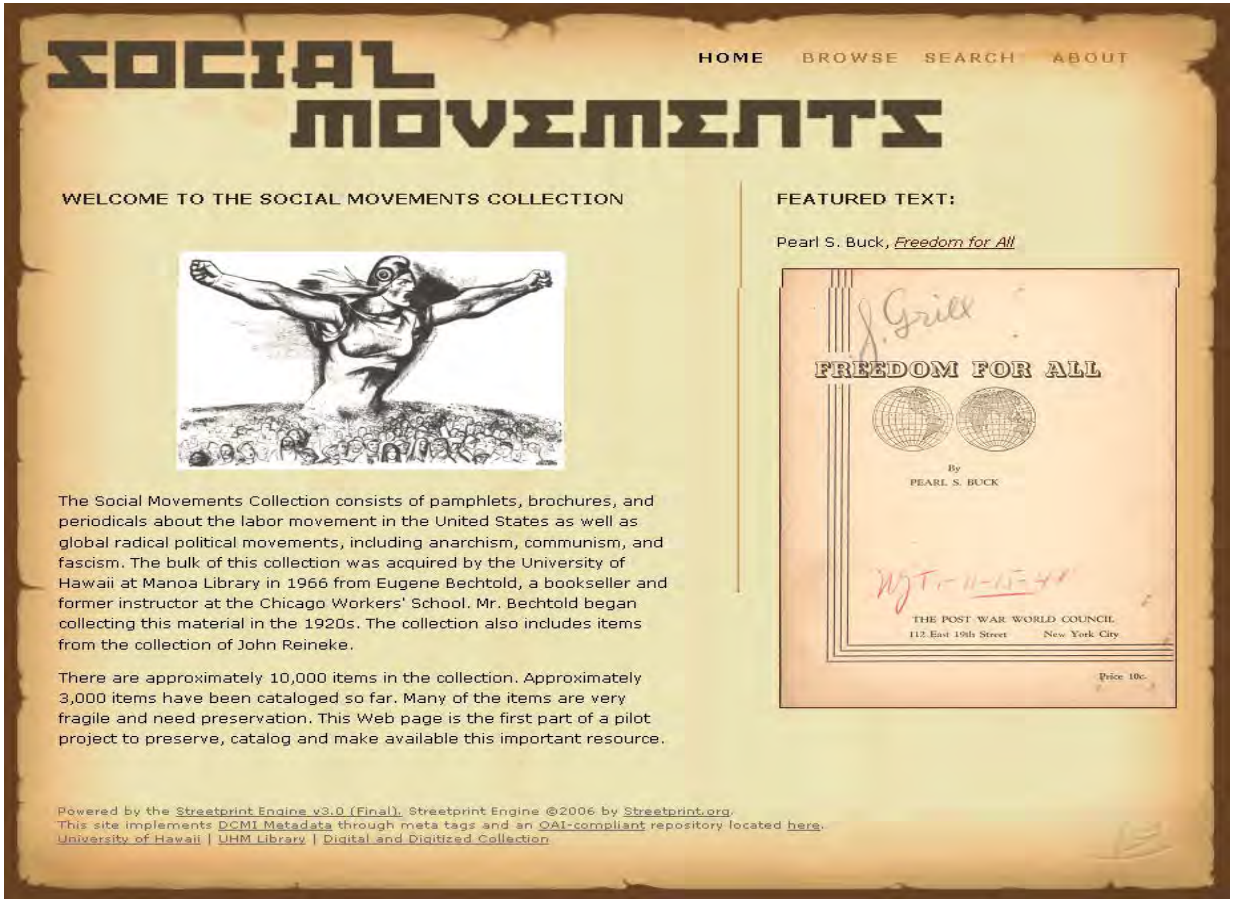
Greenstone at UH Manoa: Trust Territory of the Pacific Archive Photos

Streetprint at UH Manoa

http://digicoll.manoa.hawaii.edu/

Streetprint at UH Manoa
Social Movements

http://digicoll.manoa.hawaii.edu/socmovements/



Converted from a home-made MySQL implementation

Streetprint at UH Manoa
Krauss Index

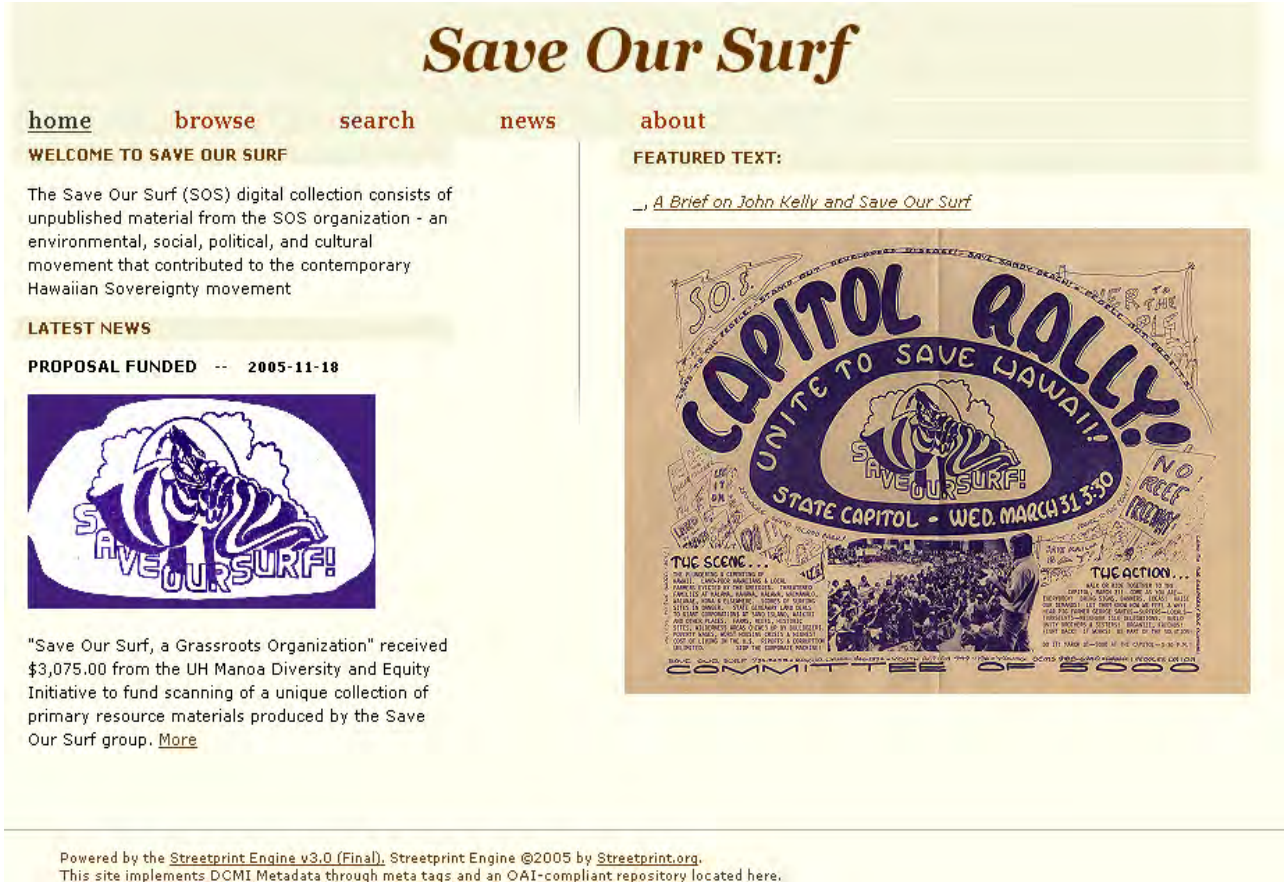
http://digicoll.manoa.hawaii.edu/krauss/

Being input one by one from 3x5 index cards. Eventual goal is to link each card to an image of the article to which it refers.

Streetprint at UH Manoa

Save Our Surf

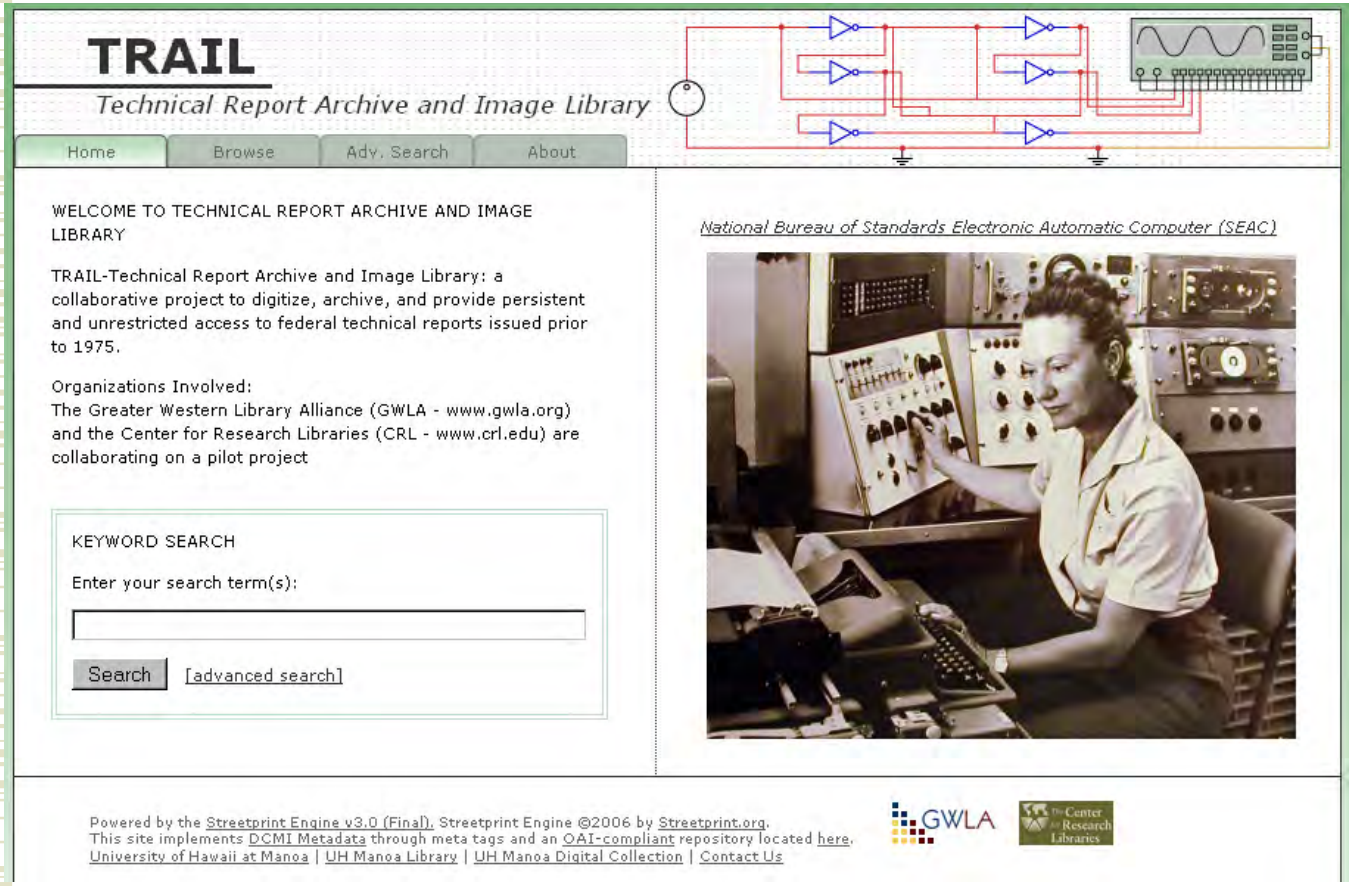
http://digicoll.manoa.hawaii.edu/sos/



Scanned, OCR'd & completed over two semesters by one student assistant

Streetprint at UH Manoa
Demonstration site - TRAIL

http://digicoll.manoa.hawaii.edu/techreports/



Created as a "proof of concept" to present to GWLA Directors with a proposal to fund a multi-year digitization effort

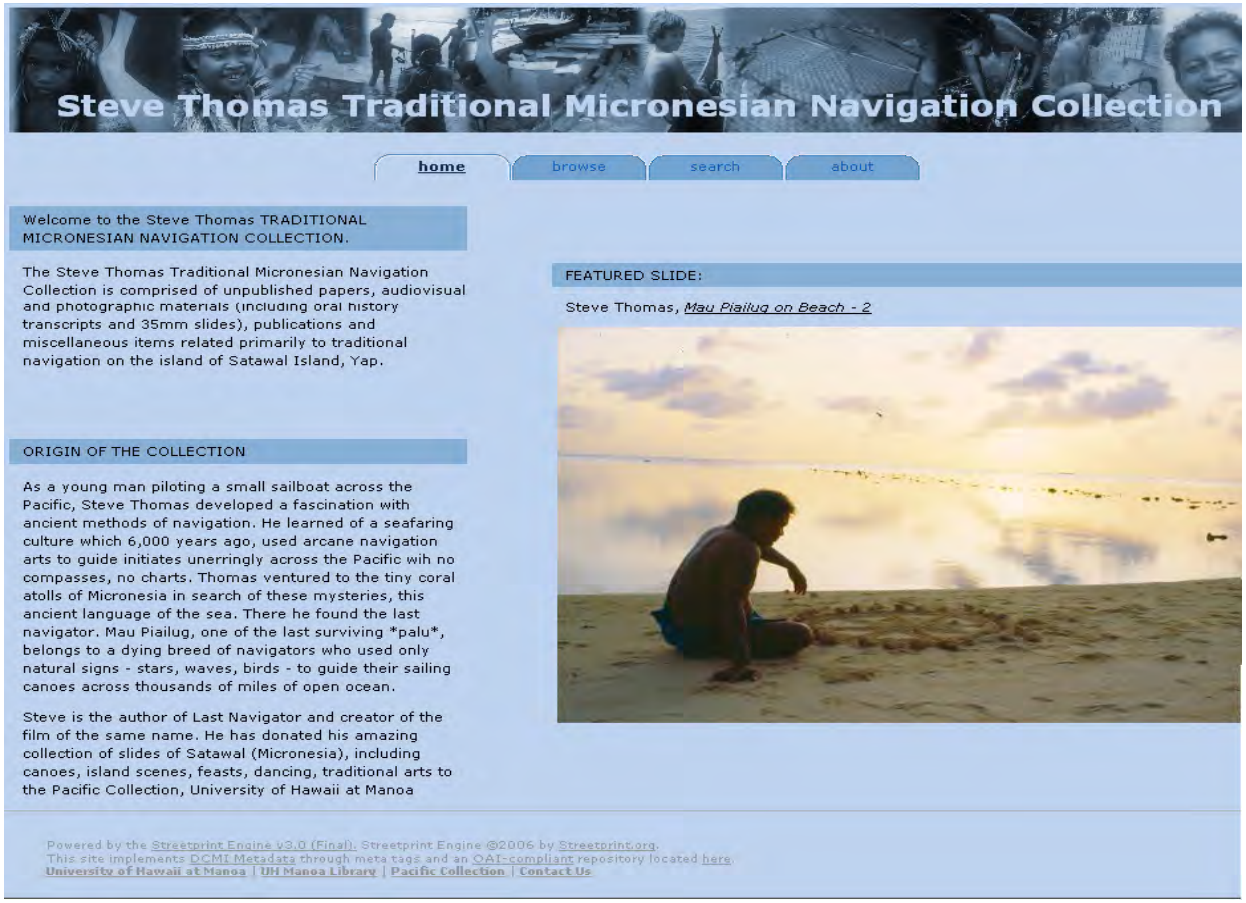
Streetprint at UH Manoa
Demo site - Hawaiian Music

http://digicoll.manoa.hawaii.edu/music/

Streetprint at UH Manoa

Steve Thomas Traditional Navigation

http://digicoll.manoa.hawaii.edu/satawal/



Scanned & proofed by two students in just a little over a year. Using comment feature to obtain expanded description info

Links

- New Zealand Digital Library
  http://nzdl.sadl.uleth.ca/cgi-bin/library
- Greenstone
  http://www.greenstone.org/
- Greenstone Wiki
  http://wiki.greenstone.org/wiki/index.php/GreenstoneWiki
- Streetprint
  http://www.crcstudio.arts.ualberta.ca/streetprintorg/
  (http://www.streetprint.org)
- Streetprint Sourceforge download
  https://sourceforge.net/projects/streetprint/

Open Source "Digital Library" Systems: Streetprint & Greenstone

Questions?

Comments?

Presentation available online:
http://www2.hawaii.edu/~chantiny/ASEE.ppt