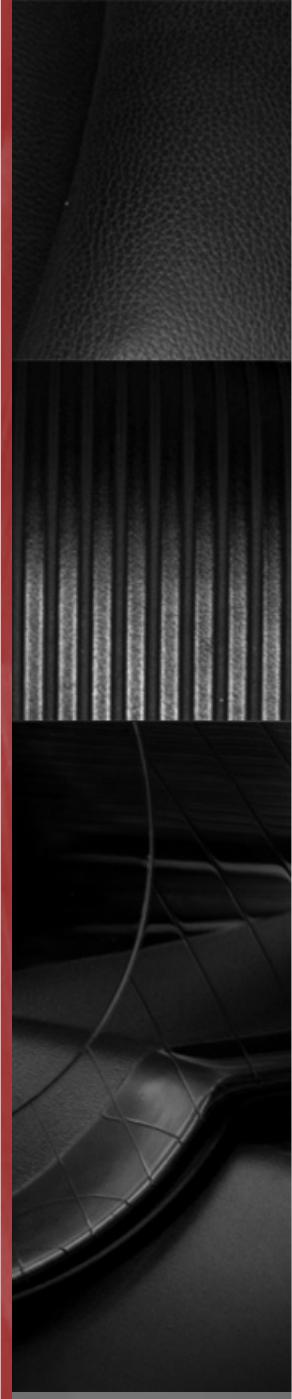


Congregational Church of Austin Archives

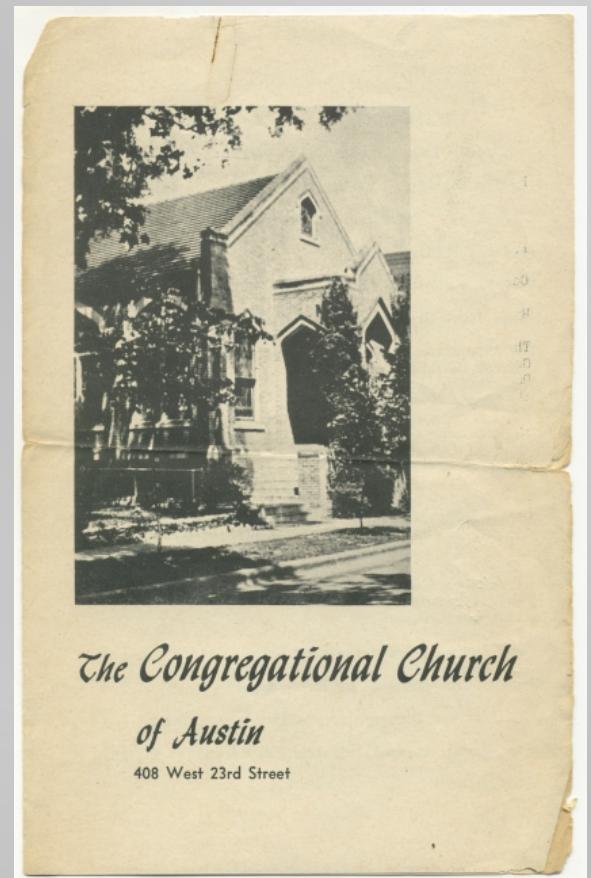
Eliot Scott

The University of Texas at Austin



Project Overview

- Extensive Archive of Paper Documents dating to 1890's
- Recently Arranged by a prior UT iSchool Student
- Difficult to Access Documents for Members
- Mostly Inaccessible to Researchers and Public





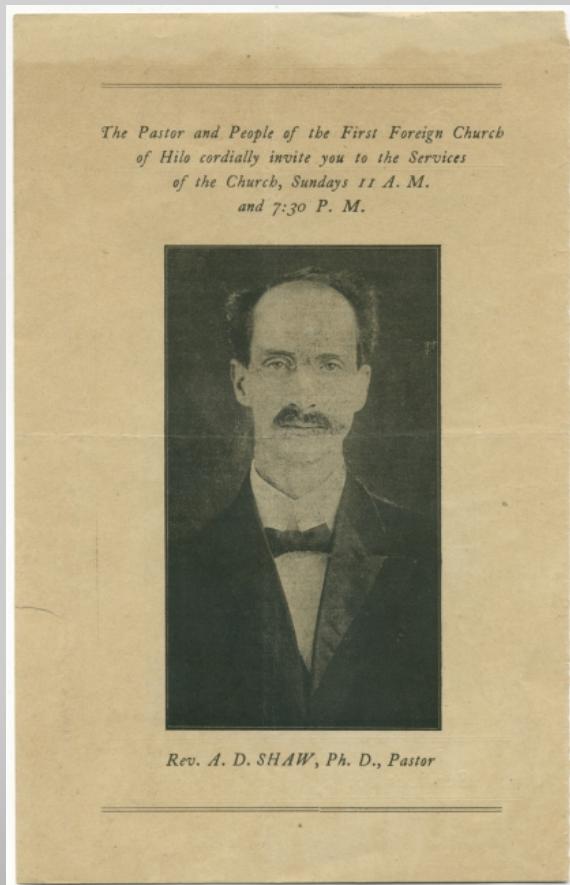
Project Goals - Phase I (Spring 2011)

- Primarily Digitize for Access, but on Shared Server with appropriate Backups with Digitized files also on Church Computers
- Make Archives Easy to Update and Add to for Church Members
- Make Archives Easy to Explore for All Users

Project Goals - Phase II (Spring 2012)

- Add Ability To Upload Electronic Documents and Add Stories
- ***Make Archives Easy to Update and Add to for Church Members*
- Implement Workflows and Revisioning

Project Requirements - Phase I (Spring 2011)



1. Inexpensive
2. Web Based Archive using Open Source Tools
3. High Quality Scans
4. Machine Readable Text
5. Combine Images and Text into Single Document
6. Easy to Use for Non-Technical Members

Technical Infrastructure

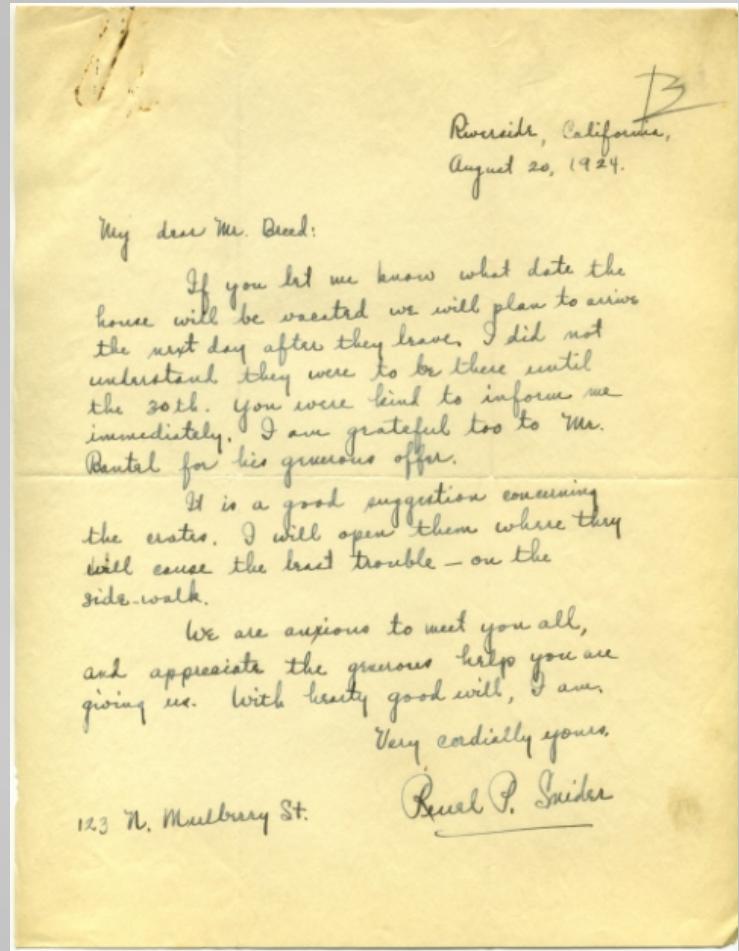
- Open Source Tools
 - Advantages - Standardized, Numerous Experts, Lots of Documentation, Budget
- Technologies
 - LAMP Architecture
 - Linux/Apache Web Server, mySQL database, PHP programming language
 - Advantages Over Java – Easier to Learn, More Experts, Easier and More Immediate Implementation
 - Drupal Content Management System
 - Given Budget Constraints, A Preservation Grade System Could Not Be Located that Ran Painlessly on a Shared Server
 - Server Space at Drupal Friendly GreenGeeks Under \$10 a Month with Unlimited Storage

Drupal Install

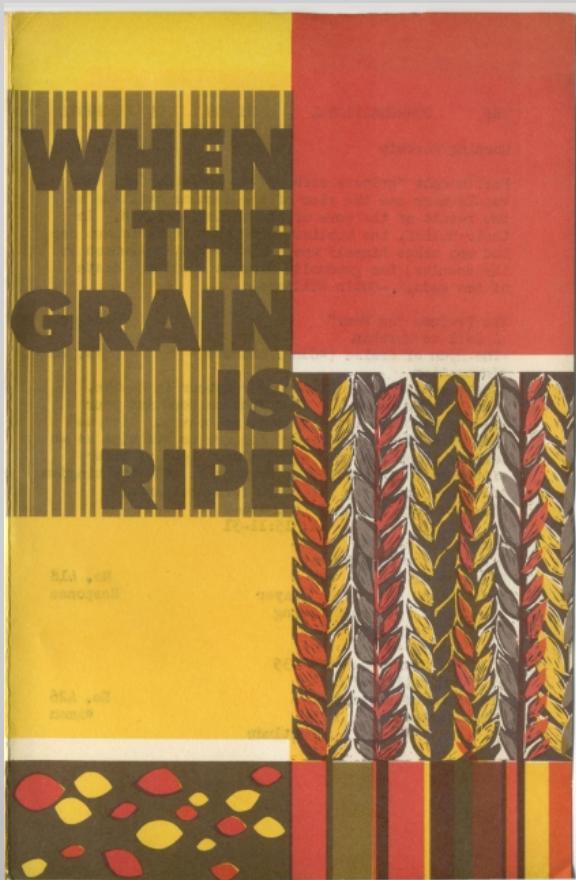
- Core 6.20 Later Upgraded to 6.24
- Taxonomy
- Image
- ImageCache
- Lightbox2
- jCarousel
- Views
- WYSIWYG
- WYSIWYG Filter
- TinyMCE
- Token
- Printer, e-mail and PDF versions
- domPDF
- Content Construction Kit (CCK)
- Content Taxonomy (CCK Taxonomy)
- Imagefield (CCK Image)
- Viewfield (CCK Views)
- Date (CCK Dates)
- FileField (CCK Files)
- Node Reference (CCK Node Relation)
- Node Reference Views
- Conditional Fields

Machine Readable Text

- Tried Acrobat and ABBY Scan and OCR
- Neither created perfect results, particularly with older or handwritten documents
- Both prohibitively expensive
- Impractical to expect church members to purchase pricey software individually
- Impractical to spend hours doing OCR cleanup at the church archives
- MPLP



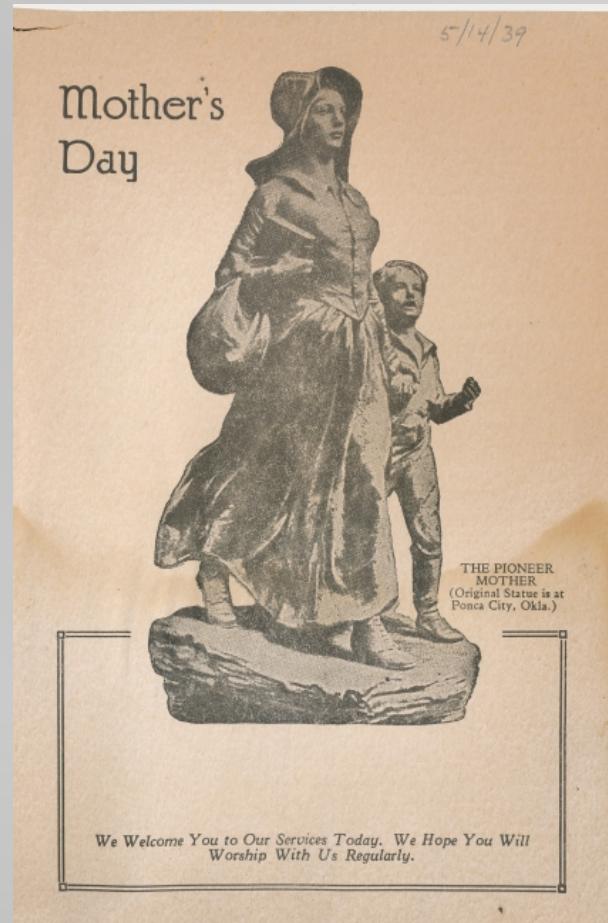
Document Digitization



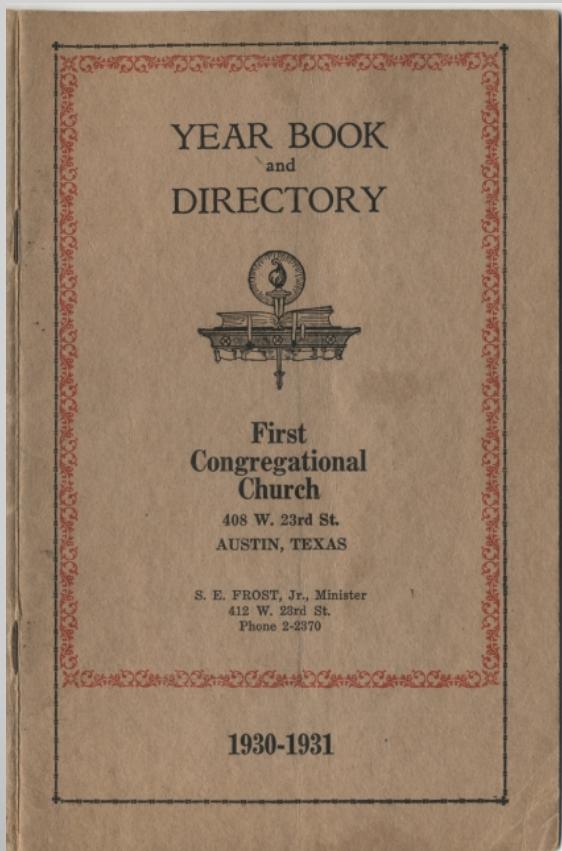
- Digitize Documents as 600dpi High Quality TIFF Files Using Epson Scanner Software
- Save as 300dpi JPG Files for Web Access
- Upload TIFF Master files and JPG Access Files to Server for Storage and Access
- Image Cache Module with PHP's Native ImageAPI GD2 to Auto Generate and Manage Multiple Image Size Presets
- Convert Documents to PDF's with Machine Readable Text so that Both Images and Text Could be Stored in a Single Document

Combine Images with Text in Single Document

- Installed Printer, E-mail and PDF versions (Print for short) Module
- Evaluated TCPDF, Latex, wkhtmltopdf, and domPDF for project viability
- Latex was not supported in Print Module
- wkhtmltopdf was rated best but not viable for shared server
- Worked with TCPDF as it was more actively developed, but CSS support was minimal



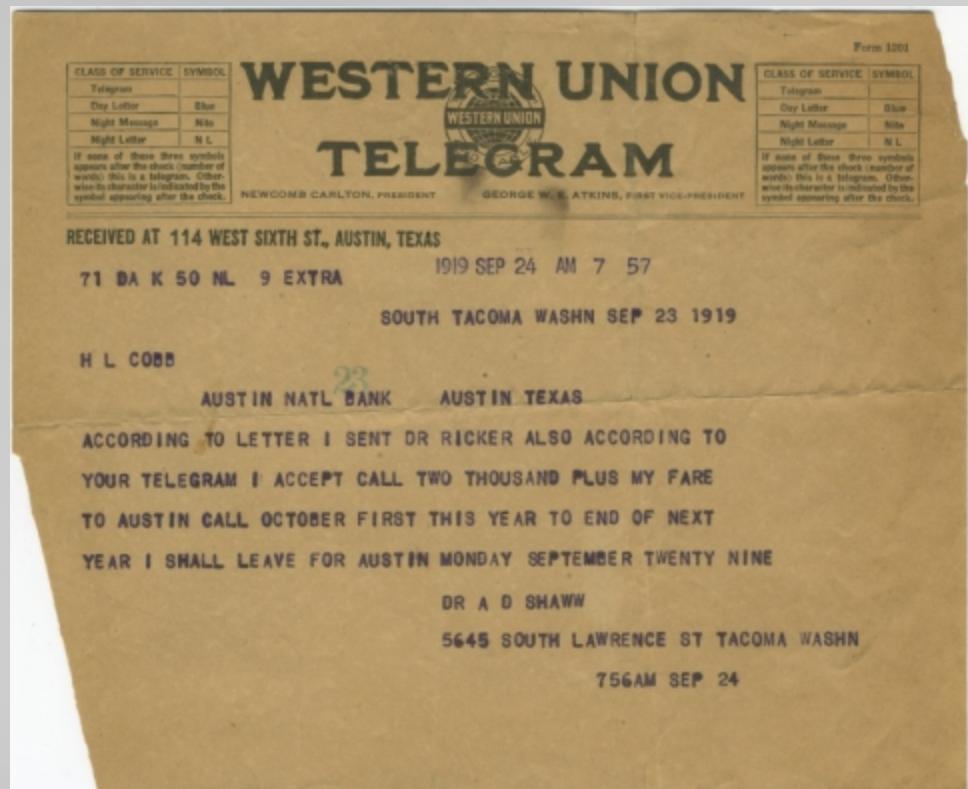
Combine Images with Text in Single Document



- domPDF
- Modified .inc.php file to test layouts
- Replaced ImageCache Display Image with 300dpi JPG Image (TIFF files unsupported and 600dpi too large for Server Memory even with 500MB limit)
- Adjust CSS to Make Image Fill Page – z-index, absolute position, remove non-essential elements from page, page-break always
- Change domPDF dpi settings
- Added adjustable page margins

Interface Easy To Use

- Text Editable Like Wikipedia
- Evaluated Edit Section and editablefields
- Editablefields
- Closest to Wiki Interface but had issues with WYSIWYG editor
- Used patch in editablefields support



Display Interface

file_PA04-03_1924_A2_pastor_search_snider_Page_01

[View](#)

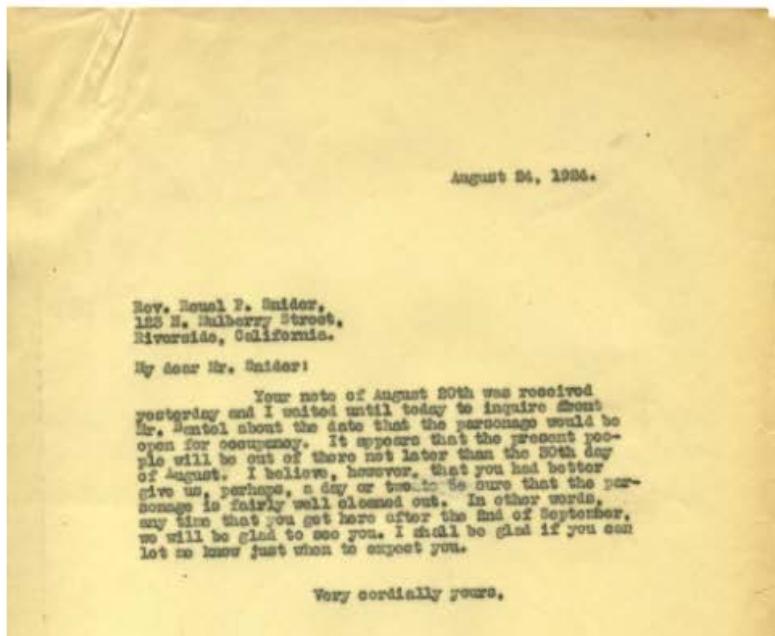
[Edit](#)

[Track](#)

[Clone](#)

 [Create Archival PDF](#)

→ [Directions](#)



Transcribe the image text and format as closely as possible by clicking this field to create an Archival PDF. (please remove this text when editing)

Transcription Interface (After Click With Appropriate Permissions)

file_PA04-03_1924_A2_pastor_search_snider_Page_01

View Edit Track Clone

 Create Archival PDF

→ Directions

August 26, 1924.

Rev. Reuel P. Snider,
122 N. Mulberry Street,
Riverside, California.

My dear Mr. Snider:

Your note of August 20th was received yesterday and I waited until today to inquire about Mr. Bentol about the date that the parsonage would be open for occupancy. It appears that the present people will be out of there not later than the 30th day of August. I believe, however, that you had better give us, perhaps, a day or two to be sure that the parsonage is fairly well cleaned out. In other words, any time that you get here after the end of September, we will be glad to see you. I shall be glad if you can let me know just when to expect you.

Very cordially yours,

DEB-1

Transcribe the image text and format as closely as possible by clicking this field to create an Archival PDF. (please remove this text when editing)

Metadata

- Unqualified Dublin Core Based
- Controlled Vocabularies
 - Subject (Bulletins, Annual Reports, Founding Documents, etc.)
 - Format (Text, Image, etc)
 - Medium (Paper, Newspaper, Photo, etc.)
- Freetagging Fields
 - People (Creators and Contributors)
 - *Relation (Related Pages)



*Related Document Pages Controlled by this field in Phase I, Created Numerous Issues

Metadata Interface (Below Image)

dc metadata

Dublin Core metadata about the image file in these fields. Not all fields are editable by all contributors. If you helped to transcribe this file, please add your name to the contributor field below.

source:
PA

subject:
Bulletins

creator:

Congregational Church of Austin:

Enter the names of original document (including photos) creators or participants as LAST NAME, FIRST NAME or INITIALS. Separate persons with a semicolon(;)

date created:
Fri, 2011-04-15

description:
Add a brief description or abstract about the document

coverage:
Austin, Texas, United States

type:
Text

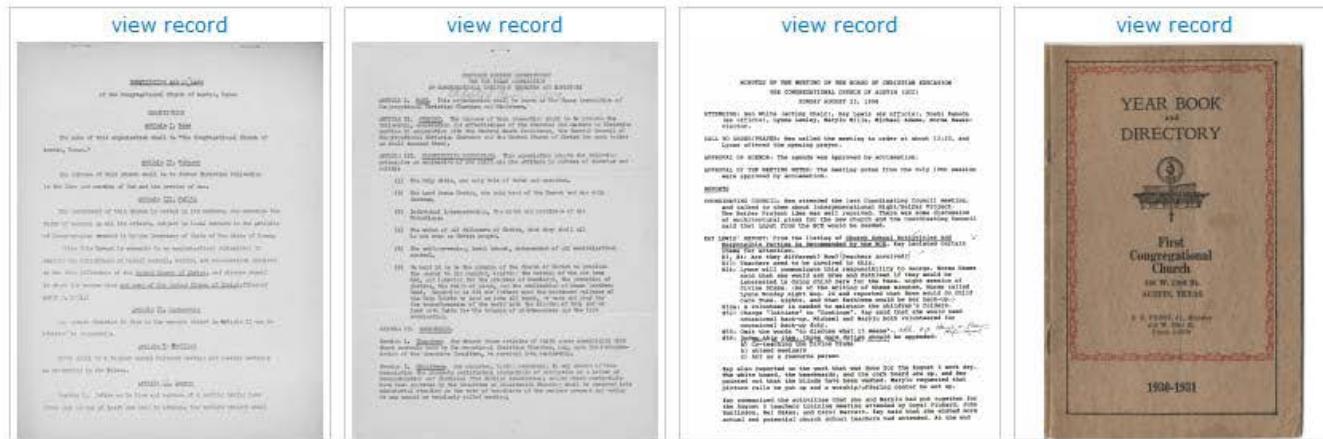
format:
text

Home Page Interface

Welcome!

The Congregational Church of Austin is a small friendly church associated with the United Church of Christ (UCC), a liberal Christian denomination that promotes spirituality, peace, justice, education and freedom throughout the world. Our history dates back to 1904 when a Methodist minister and others split from their church because they did not believe in hell. This online archive contains many documents from the church's early history, as well as some more recent, with plans to add many more. However, we could use some help transcribing these documents and so this archive allows "crowdsourced" transcription of our documents from users just like you!

To help with this project, simply request a new [username](#) with your email address and login using the password provided to you. Click on text areas when viewing the records and edit them as you like. Or, feel free to browse around the archives. As this is an alpha version of the site, please report any bugs you find to admin@archives.congregationalchurchofaustin.org. Thanks!



view record

view record

view record

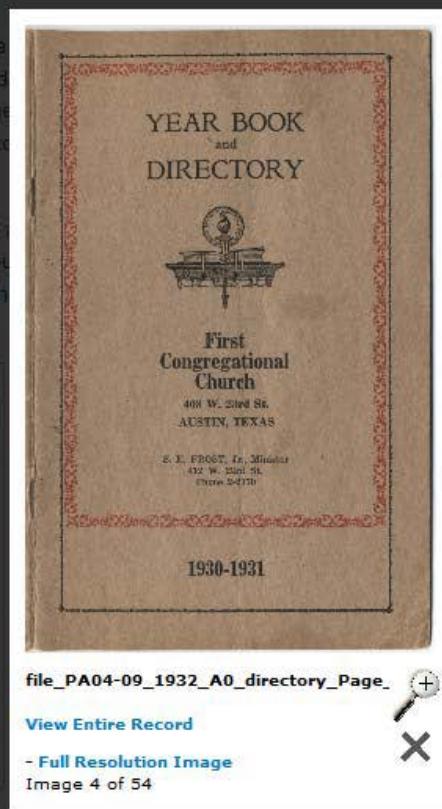
view record

Each thumbnail shows a snippet of a historical document with a 'view record' button at the top. The documents appear to be from the early 1900s, discussing church meetings, budgets, and organizational details.

Lightbox Interface

The Congregational Church of Austin is a spirituality, peace, justice, education and church because they did not believe in his plans to add many more. However, we do have documents from users just like you!

To help with this project, simply request viewing the records and edit them as you find to admin@archives.congregationalarch.org

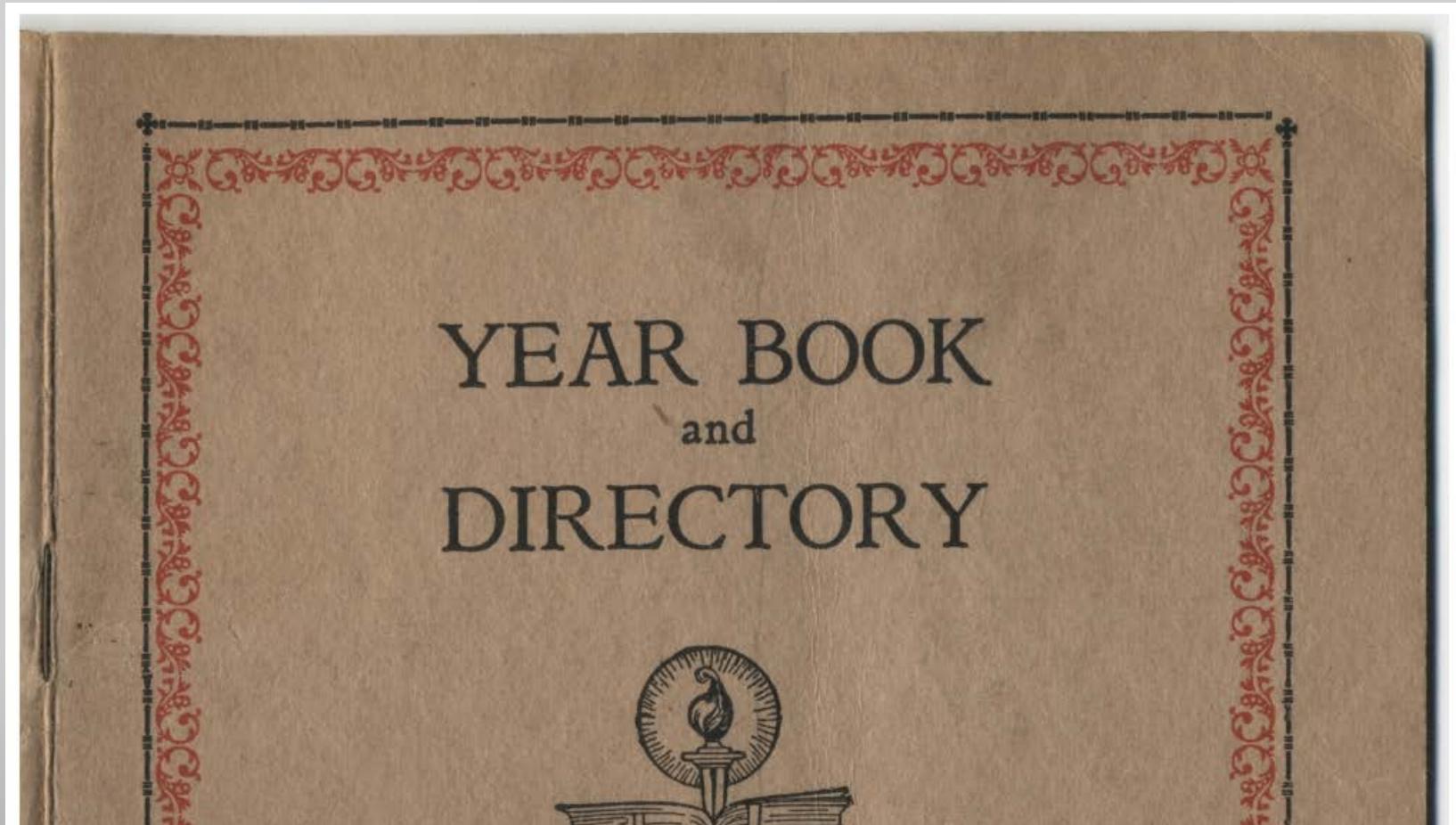


ted Church of Christ (UCC), a liberal Christian denomination that promotes
ates back to 1904 when a Methodist minister and others split from their
nts from the church's early history, as well as some more recent, with
ents and so this archive allows "crowdsourced" transcription of our

Please log in using the password provided to you. Click on text areas when you are finished. As this is an alpha version of the site, please report any bugs you find.



Lightbox Interface



Home Page View

Main Gallery Display the view as a page, with a URL and menu links.

Basic settings

Machine Name: `page_1`
Name: **Main Gallery**
Comment: No comment
Title: **None**
Display status: Enabled
Use pager: All items
More link: No
Access: Unrestricted

Advanced settings

Use AJAX: Yes
Hide attachments in summary: No
Use grouping: No
Query settings: Settings
Caching: 0 sec/0 sec

Style settings

Style: **jCarousel**
Row style: Fields
CSS class: `image-carousel-display`
Theme: Information

Exposed form

Exposed form in block: No
Exposed form style: Basic

Page settings

Path: `index-old`
Menu: No menu

Header Global: Text area Text area

Footer None defined

Empty text None defined

Fields Node: Link Content: Image Lightbox2: thumbnail->zoom

Relationships None defined

Arguments Node: Nid

Sort criteria Global: Random asc

Filters Node: Title ends Page_01

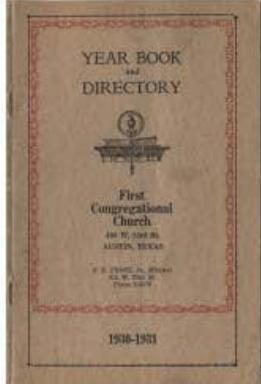
Clone display Remove display

Multi-Page Document Interface

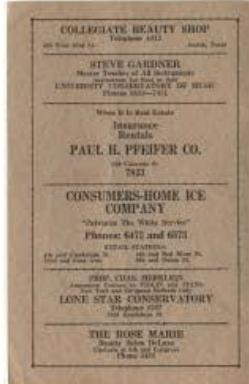


[View All Related Pages](#)

[view record](#)



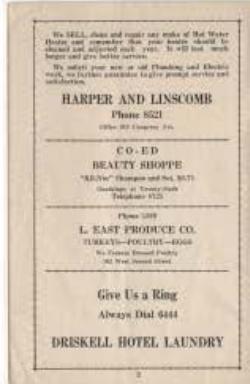
[view record](#)



[view record](#)



[view record](#)



Multi-Page Document View

② **Show Related** Display the view as a page, with a URL and menu links.

Basic settings

Machine Name: `page_2`
Name: `Show Related`
Comment: `No comment`
Title: `None`
Display status: Enabled
Use pager: `All items`
More link: `No`
Access: `Unrestricted`

Advanced settings

Use AJAX: `Yes`
Hide attachments in summary: `No`
Use grouping: `No`
Query settings: `Settings`
Caching: `None`

Style settings

Style: `jCarousel`
Row style: Fields
CSS class: `image-carousel-display`
Theme: `Information`

Exposed form

Exposed form in block: `No`
Exposed form style: `Basic`

Page settings

Path: `file%`
Menu: `No menu`

Header
Global: Text area text area

Footer
None defined

Empty text
None defined

Fields
Node: Link
Content: Image Lightbox2: thumbnail->zoom

Relationships
Content: relation

Arguments
(relation) Node: Nid

Sort criteria
Node: Title asc

Filters
None defined

Clone display **Remove display**

Completed Document Interface

file_PA04-03_1924_A2_pastor_search_snider_Page_01

[View](#) [Edit](#) [Track](#) [Clone](#)

Title: *

file_PA04-03_1924_A2_pastor_search_snider_Page_01

Needs Editing: *

Needs Editing
 Transcription Completed

When editing on this record is completed and an Archival PDF has been generated and saved to attach to this record select Transcription Completed.

Image: *

 [Remove](#)

[Upload Archive Image](#)

text:



Transcribe the image text and format as closely as possible by clicking this field to create an Archival PDF. (please remove this text when editing)

Completed Document Interface

file_PA04-03_1924_A2_pastor_search_snider_Page_01

View **Edit** **Track** **Clone**

Title: *

file_PA04-03_1924_A2_pastor_search_snider_Page_01

Needs Editing: *

Needs Editing
 Transcription Completed

When editing on this record is completed and an Archival PDF has been generated and saved to attach to this record select Transcription Completed.

Archived PDF:

Maximum file size: 200 MB
Allowed extensions: pdf

Upload the archived PDF here when transcription is done. This field is only available after Needs Editing has been unchecked and metadata has been entered.

Image: *



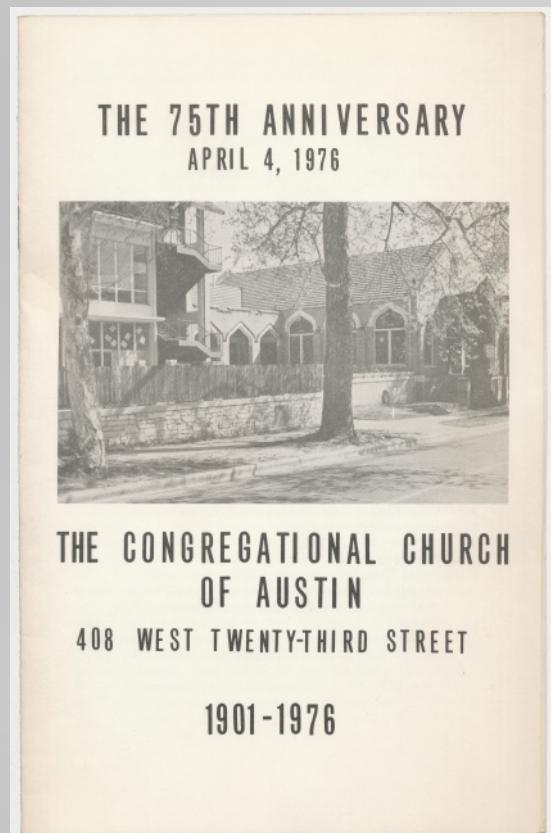
Upload Archive Image

▼ **URL path settings**

Automatic alias

Phase I Weaknesses

- Hard to Read Images for Transcription Without Using Lightbox which covers Transcription Interface
- Revisioning and Workflow Not Yet Implemented
 - More Difficult to develop when enabled
- ***Use of Node Reference for Page Relationships
VERY Difficult to Generate***
 - ***Need to associate each page with all others not user friendly***



Project Overview - Phase II (Spring 2012)

- Remove Multi-page Document Relationships using Node Reference
- Create Relationships using Taxonomy Based on Location
- Implement Inline Image Zooming to Facilitate Crowd-Sourced Transcriptions
- Add Electronic Record and Document Support
- Add Support for Member Stories
- Implement Workflow and Revisioning, TAC (Remaining)
- Base Design on Red and Black UCC Color Scheme

Taxonomic Relationships

- Using Content Taxonomy
- Fields
 - Box Number (Controlled Vocabulary)
 - Folder
 - Sub Folder
 - File
 - Sub File
 - Item
 - Page Number (Numeric/non taxonomic)
- Auto Generate Title and DC Source
- Create View Using Default Token Based Arguments and Show on Each Page Using Viewfield



Location Taxonomy

item location

Creation Date: *
01/23/1986
Format: 03/18/2012
Enter the date the document was created. If the day is not known, enter the first day of the month known. If the month is not known, enter January 1 of the year known. If the exact year is not known, enter January 1 of the known or estimated first year of the decade (ie 01/01/1900)

Box Number: *
PA04
Select the box number from which the file has been found.

Folder Name: *
16
Type in the folder name the item is in. This field will check the system to see if that folder has already been added to the system. If it has, Please select it from the dropdown.

Sub-Folder Name: *
none
Type in the sub-folder name the item is in. This field will check the system to see if that sub-folder has already been added to the system. If it has, Please select it from the dropdown. This field is not required as the item may not have a sub-folder.

File Name: *
Disappearance of Ruth Case - CCA Member
Type in the file name the item is in. This field will check the system to see if that file has already been added to the system. If it has, Please select it from the dropdown.

Sub-File Name: *
News Article
Type in the sub-file name the item is in. This field will check the system to see if that sub-file has already been added to the system. If it has, Please select it from the dropdown. This field is not required as the item may not have a sub-file.

Item Name: *
Passing time erodes hope for missing wife
Type in the name of the item. This field will check the system to see if that item has already been added to the system (The item may have multiple pages associated with it). If the item comes up in the system, Please select it from the dropdown.

Page Number: *
1

Show All Related Pages Using Viewsfield

Use a common default value for all nodes if the user does not override it on the node form.

Replace token placeholders
Negatively affects site performance in combination with *Fields* row style.

All Item Pages: *
taxonomy_relate_test - Defaults ▾
Used to display other pages of the current item

Arguments:
[field_box_number_taxonomy-term],[field_folder_name_taxonomy-term],[field_subfolder_name_taxonomy-term],[field_file_name_taxonomy-term],[field_subfile_name_taxonomy-term],[field_item_name_taxonomy-term]

Provide a comma separated list of arguments to pass to the view. These arguments will be passed to EACH selected view. If an argument contains commas or double quotes, enclose it in double quotes. Replace double quotes that are part of the argument with pairs of double quotes.
You may use %nid for the node id of the current node. %author for the node author and %viewer for user viewing the node.

Save field settings

Views Generator

Defaults  

Page  

View settings
Human name: **None**
Tag: **None**
Description: **None**

Basic settings
Name: **Defaults**
Comment: **No comment**
Title: **None**
Display status: **Enabled**
Use pager: **All items**
More link: **No**
Access: **Unrestricted**
Link display: **Page**

Advanced settings
Use AJAX: **Yes**
Hide attachments in summary: **No**
Use grouping: **No**
Query settings: **Settings**
Caching: **None**

Style settings
Style: **jCarousel**
Row style: **Fields**
CSS class: **None**
Theme: **Information**

Exposed form
Exposed form style: **Basic**

Header    
None defined

Footer    
None defined

Empty text    
None defined

Fields    
Content: **Page 9999**
Content: **Image Lightbox2: Fingernail->zoom**

Relationships    
Taxonomy: **Node**

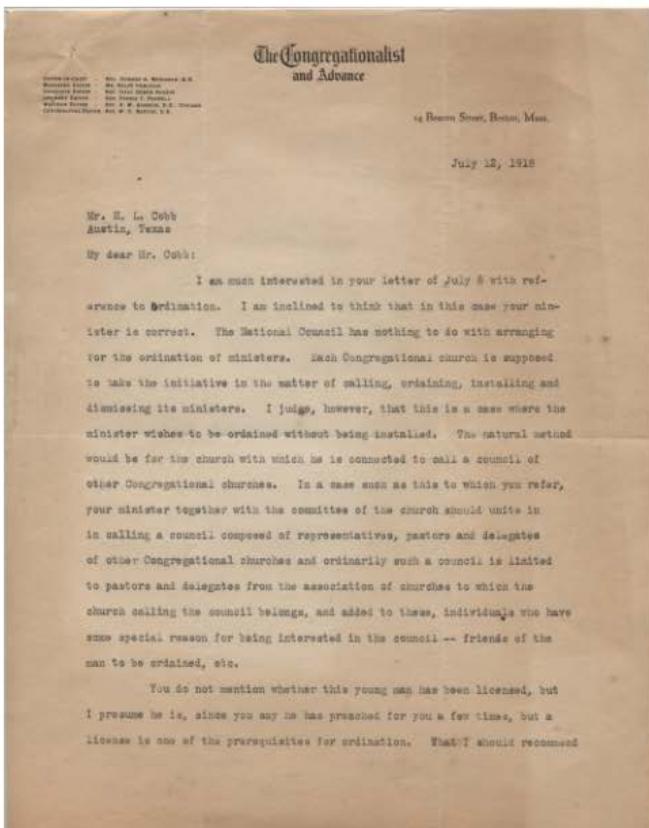
Arguments    
(node) Content: **Box Number**
(node) Content: **Folder**
(node) Content: **Sub-Folder**
(node) Content: **File Name**
(node) Content: **Sub-File**
(node) Content: **Item Name**

Sort criteria    
Content: **Page asc**

Filters    
None defined

Final Display

file_1918_PA02_Pastor Dr Briggs J Ritchie_none_1904-1923_none_Letter to HL Cobb 7-12-1918_Page_1



Transcribe the image text and format as closely as possible by clicking this field to create an Archival PDF. (please remove this text when editing)

Page 1



Page 2



Page 3



Inline Image Zooming

- Jquery Libraries or iFrame
 - Iframe – Not cross browser compatible
 - Jquery Image Zoomers, Not enough time to develop new method
 - Most Similar to Lightbox, Not Inline – Cloud Zoom, ZoomIt
 - AJAX Zoom too expensive, Basic Licence only good up to 3.2MP and Partner License Only Good for 500 Images
 - Jquery Magnifier Open Source License (but not IE9 Compatible)
- Show only to Transcriber Role or Above
 - CCK Field with CSS, Permit Only Authorized Roles to “View”
- Jquery Magnifier Best Fit
 - Created IE9 Specific CSS to Show Display Image Until JavaScript can be rewritten

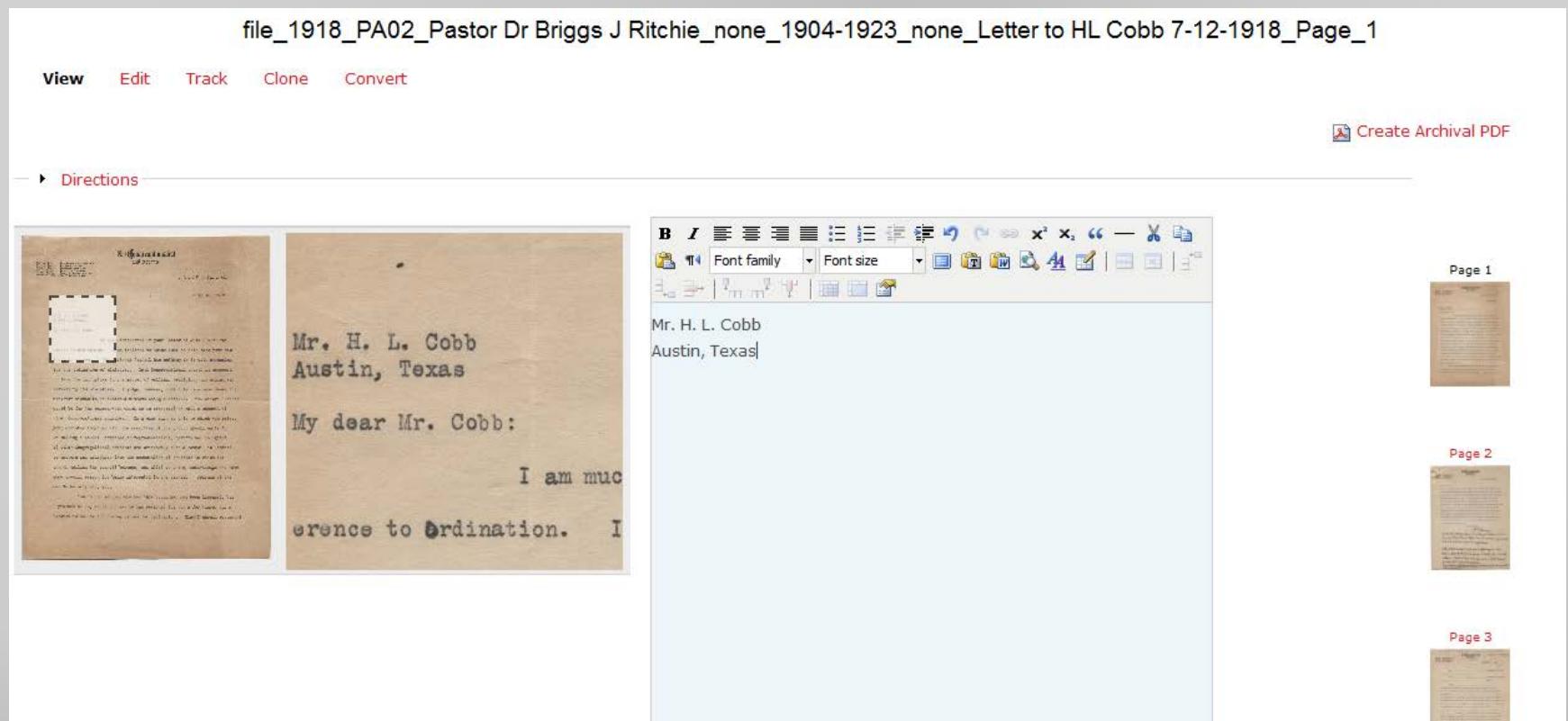
Transcription Interface

file_1918_PA02_Pastor Dr Briggs J Ritchie_none_1904-1923_none_Letter to HL Cobb 7-12-1918_Page_1

[View](#) [Edit](#) [Track](#) [Clone](#) [Convert](#)

[Create Archival PDF](#)

▶ Directions



The transcription interface displays a scanned letter on the left and its transcription in a rich text editor on the right. The scanned letter is a light brown document with dark text. The transcription is in a modern font. A toolbar with various editing and styling options is positioned above the transcription area. To the right of the transcription, there are three smaller images labeled 'Page 1', 'Page 2', and 'Page 3', each showing a different page of the scanned document.

Mr. H. L. Cobb
Austin, Texas

My dear Mr. Cobb:

I am muc

erence to ordination. I

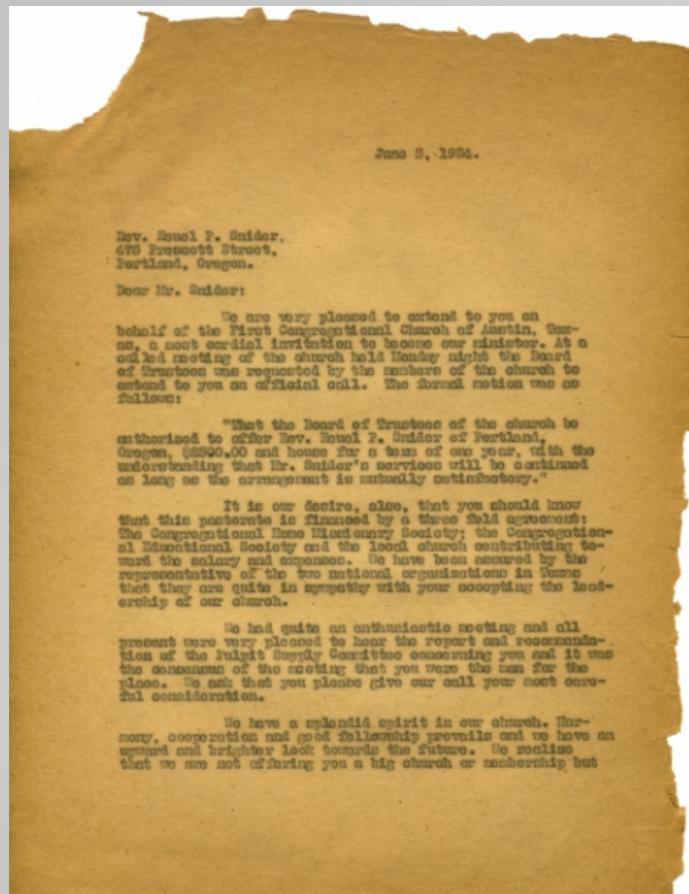
Page 1

Page 2

Page 3

Add Electronic Document And Story Support

- Electronic Document
- Upload Current Documents
- Use Filefield
- Stories
- Allow Users to Share Stories
- Use Blog Module



Home Page

Welcome!

DOCUMENTS:

[view record](#)



STORIES:

[view record](#)

I ran a test on one document by converting it into the new node type. The conversion went fine and everything seemed set to convert the rest...until I checked the converted node in Internet Explorer, Chrome and Safari. For some reason, Firefox scales an oversized image inside an iFrame (what I wanted) but none of the other browser's do *not what I wanted). So the iFrame zoom I was using would only

The Congregational Church of Austin is a small friendly church associated with the United Church of Christ (UCC), a liberal Christian denomination that promotes spirituality, peace, justice, education and freedom throughout the world. Our history dates back to 1904 when a Methodist minister and others split from their church because they did not believe in hell. This online archive contains many documents from the church's early history, as well as some more recent, with plans to add many more. However, we could use some help transcribing these documents and so this archive allows "crowdsourced" transcription of our documents from users just like you!

To help with this project, simply request a new [username](#) with your email address and login using the password provided to you. Click on text areas when viewing the records and edit them as you like. Or, feel free to browse around the archives. As this is an alpha version of the site, please report any bugs you find to admin@archives.congregationalchurchofaustin.org. Thanks!

PHOTOS:

[view record](#)



FILES:

[view record](#)

testing record2

Files:

[view.odt](#)

Compared to Default Dspace at iSchool

[DSpace at the University of Texas at Austin School of Information](#) >

Communities and Collections

Shown below is a list of communities and the collections and sub-communities within them. Click on a name to view that community or collection home page.

- [**Digital Archives Projects**](#) [515]
 - [**Austin History Center**](#) [105]
 - [Austin History Center Documents](#) [1]
 - [Austin Images](#) [2]
 - [Austin Public Library Web Site](#) [1]
 - [Austin Treasures](#) [6]
 - [Jones Glass Plate Negative Collection](#) [1]
 - [**Austin History Center Digital Administrative Materials**](#) [94]
 - [**Librarian's Helper Project**](#) [94]
 - [AHC Architectural Archives Catalog Records](#) [85]
 - [AHC Architectural Archives Paper Documents](#) [3]
 - [AHC Architectural Archives Software](#) [2]
 - [AHC Librarian's Helper Project Documentation](#) [4]
 - [**Circus Memorabilia**](#) [132]
 - [Images](#) [83]
 - [Music](#) [44]
 - [Textual Material](#) [5]

Compared to Default Dspace at iSchool

[DSpace at the University of Texas at Austin School of Information](#) >
[Digital Archives Projects](#) >

Logo

Circus Memorabilia : [132]

Community home page

In: Circus Memorabilia ▾

Search for Go

or browse [Subject](#) [Title](#) [Author](#) [Issue Date](#)

This is a digital collection of materials dealing with the circus and its influence on popular culture. This will bring together a heretofore scattered collection of visual and textual materials into a cohesive unit which will aid a future researcher through the increased accessibility. The focus of the collection is France in the late nineteenth century and early twentieth century, although there are many exceptions to this. The bulk of the material was provided by Jennifer Forrest, a professor French literature at Texas State University. The digitization of these images as well as the increased ease of access will aid her in her research efforts.

Collections in this community

- [Images](#) [83]

This contains images that pertain to the circus in France during the late nineteenth and early twentieth century. They are, for the most part, depictions of various performers.

- [Music](#) [44]

Historically, music and its effect have been an integral part of the art of the circus. This is a sampling of various different types of music used in circuses and inspired by circuses.

Compared to Default Dspace at iSchool

[DSpace at the University of Texas at Austin School of Information](#) >
[Digital Archives Projects](#) >
[Circus Memorabilia](#) >

Logo

Images : [83]

[Collection home page](#)

In: Images

Search for Go

or browse [Subject](#) [Title](#) [Author](#) [Issue Date](#)

Subscribe to this collection to receive daily e-mail notification of new additions [Subscribe](#)

[View Statistics](#)

The images found have been digitized from circus posters and postcards found in several museums and libraries in France. The two main sources of material were the Musee National des Artes et Traditions Populaires and the Biblioteque L'arsenal. The focus of the collection is the human performer, particularly the acrobat, although other material is included.

Redesign with UCC Color Scheme

- Zen Sub Themes
- Too much Custom CSS based on Garland
- Created Sub Theme Based on Garland Instead
- Moved Menus to Top Navigation to add Transcription Space Using Nice Menus
- Added Stained Glass Motif
- Consolidated CSS Files due to Internet Explorer Limitation of 31 Style Declarations

Redesign with UCC Color Scheme



Blogs User Login

Search

Congregational Church of Austin Archives - alpha0.9



DOCUMENTS:

[view record](#)



Welcome!

PHOTOS:

[view record](#)



STORIES:

[view record](#)

Since Monday, I've thought more about the overall look of the site. After visiting numerous digital archives that I found visually unappealing

The Congregational Church of Austin is a small friendly church associated with the United Church of Christ (UCC), a liberal Christian denomination that promotes spirituality, peace, justice, education and freedom throughout the world. Our history dates back to 1904 when a Methodist minister and others split from their church because they did not believe in hell. This online archive contains many documents from the church's early history, as well as some more recent, with plans to add many more. However, we could use some help transcribing these documents and so this archive allows "crowdsourced" transcription of our documents from users just like you!

To help with this project, simply request a new [username](#) with your email address and login using the password provided to you. Click on text areas when viewing the records and edit them as you like. Or, feel free to browse around the archives. As this is an alpha version of the site, please report any bugs you find to admin@archives.congregationalchurchofaustin.org. Thanks!

FILES:

[view record](#)

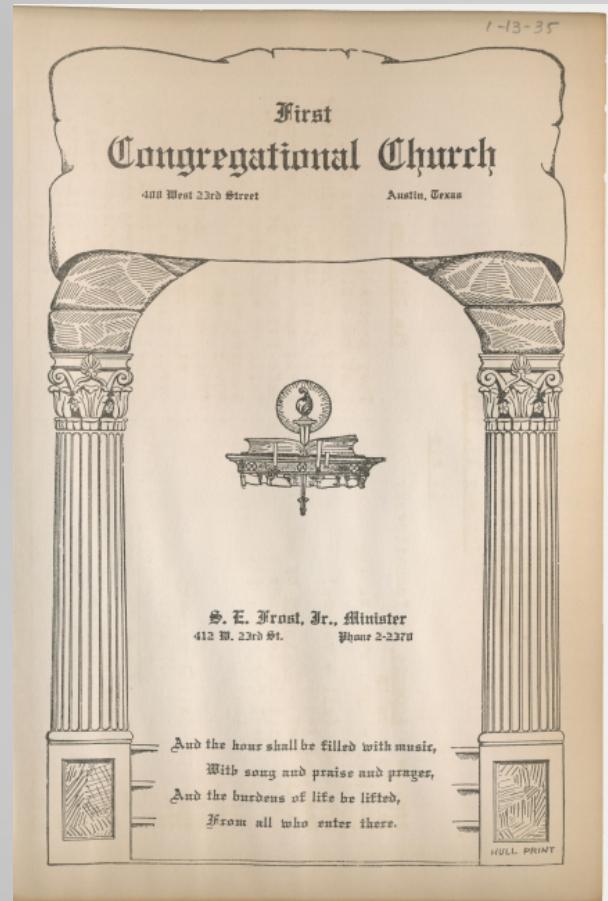
[testing record2](#)

Files:

[view .nrt](#)

Remaining Work

- Workflow
 - Manager
 - Content Creator
 - Transcriber
 - All Workflow goes through Manager Role for Approval before Publish
- Revisioning
 - Keep a Record of all Revisions Made
 - Allows Manager to Return to Prior Revision
- Development Difficult Once Implemented



Remaining Weaknesses

- No way to Currently Generate Multi-Page PDF documents
 - Could Utilize Views but Deadline Looming
- DC Metadata is Duplicated on Each Page of Multi-Page Document
 - Could Implement a Book Style Module with Hierarchical Nodes
- Auto Naming The JPG and TIFF Files based on the Taxonomic Location
- Saving the PDF to the server and attaching to a record automatically



Questions?