Leveraging Digital Library Infrastructure to Support a Modern Research Library

Mark Phillips
University of Oklahoma
May 30, 2014
The UNT Libraries Digital Collections
Three Distinct Digital Library Interfaces
The Portal to Texas History
Leveraging Digital Infrastructure
250+ Partner Institutions from across Texas
Letters, Photos, Maps, Books, Documents, Newspapers and much much more
Over 1.6 million pages of Texas Newspapers
Over 46,000 Maps
Service hub in Texas for the Digital Public Library of America (DPLA)
By far the most visible digital library “collection” we operate
The Gateway to Oklahoma History
About the Gateway

The Gateway is an online repository of Oklahoma history. You may browse through hundreds of thousands of newspaper pages dating from the 1840s to the 1920s.

The Gateway provides free access to 182,874 issues and 916,190 pages of historical newspaper content.

Other Resources

The Oklahoma Historical Society has numerous resources for Oklahoma history. Visit the Research Center section to find out more about our books, manuscripts, maps, photographs, audio, video and other newspapers.

Recent Additions

The Gateway is continually adding new digital newspapers. View some of the latest materials here.
Operated for the Oklahoma Historical Society
Currently two major collections:

Oklahoma Newspaper Collection ~850,000 pages
Oklahoma Publishing Company Photos ~80,000
Expected to include over a million photos in a few years...
The UNT Digital Library
More UNT focused content

UNT Created
UNT Collected
UNT Purchased

(Mostly non-Texas related content)
UNT Scholarly Works
The Scholarly Works Collection is home to materials from the UNT community's research, creative, and scholarly activities. It serves as UNT's Open Access Repository. This collection brings together articles, papers, artwork, music, research data, reports, presentations, and other scholarly and creative products representing the expertise in our university community.

UNT Scholarly Works aims to:

- Provide easy access to valuable scholarly and creative materials from the UNT community
- Promote discovery through effective search and navigation tools
- Secure long-term access through stewardship and preservation
- Ensure sustainability through continuing system improvements
- Showcase UNT's research and creative achievements to a worldwide audience

To learn more about UNT Scholarly Works, see our web page or contact us at untrepository@unt.edu.
UNT Data Repository

What's Inside this Collection.

The UNT Data Repository is a central archive to provide long-term preservation and access to the research data of the UNT scholarly community. The Data Repository works in conjunction with the UNT Scholarly Works repository to ensure long-term access to the full range of research outputs from UNT.

Browse the holdings of this collection
UNT Theses and Dissertations

Electronic Theses and Dissertations (ETD)
Digitized Theses and Dissertations
Theses and dissertations represent a wealth of scholarly and artistic content created by masters and doctoral students in the degree-seeking process. In 1999, the University of North Texas was one of the first American universities to begin requiring electronic theses or dissertations (ETDs) for graduation. Some ETDs in this collection are restricted to use by the UNT community.
Collection from across Campus
Digitized collections from the UNT Libraries
Born Digital Collections
Content that supports our faculty and students
And the greater community
Some examples include:
Documenting Plate Waste in Middle School Cafeterias Using Digital Still Photography

What's Inside this Collection.

These images document the disappearance of food and beverage items by photographing trays before and after schoolchildren ate lunch. The images were taken in North Texas during lunchtime in urban middle schools that participated in the National School Lunch and School Breakfast Programs.

About the Project

These photographs come from USDA-ERS Project #10.253, "Testing a Food Choice Innovation for Middle School Cafeterias," conducted from October 2010 to May 2011. Researchers were P. Connors, C. Bednar, B. Davenport, and L. Kenyon.

Equipment and Procedure

Three Cannon PowerShot 1400 cameras with 8 GB memory cards were used. An apparatus forming a T-aerial was constructed using ½ inch PVC pipe with fittings and a GorillaGripper to suspend each camera at a height of two feet above a black FOAMCORE board cut to fit the top shelf of a food trolley. To position trays directly below the camera an 8x15
Description: Images taken at a North Texas middle school documenting the food on a lunch tray and the remains on the same tray after the meal was consumed. These images are part of a study to document what food students are eating.

Creator(s): Connors, Priscilla

Location(s): United States - Texas

Creation Date: March 30, 2011

Partner(s): UNT College of Merchandising, Hospitality and Tourism

Collection(s): Documenting Plate Waste in Middle School Cafeterias Using Digital Still Photography

Usage: Total Uses: 41
Past 30 days: 3
Yesterday: 0
Student Lunch Tray: 01_20110330_01B5916
Student Lunch Tray: 01_20110330_01B5916
Statistics for Documenting Plate Waste in Middle School Cafeterias Using Digital Still Photography

8,396 Total Uses / 1,414 Total Items (2,830 files) / 1,414 Visible / 0 Hidden

Usage by Month/Year

<table>
<thead>
<tr>
<th>Year</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>612</td>
<td>488</td>
<td>155</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,255</td>
</tr>
<tr>
<td>2013</td>
<td>43</td>
<td>53</td>
<td>16</td>
<td>20</td>
<td>17</td>
<td>44</td>
<td>480</td>
<td>424</td>
<td>366</td>
<td>353</td>
<td>510</td>
<td>548</td>
<td>2,874</td>
</tr>
</tbody>
</table>
APIs for Documenting Plate Waste in Middle School Cafeterias Using Digital Still Photography

Introduction

The UNT Digital Library provides public access to a number of application programming interfaces (APIs) to the collections within the system. Below are examples of APIs available for Documenting Plate Waste in Middle School Cafeterias Using Digital Still Photography that can be used openly by those interested in programmatically accessing data from this system. You do not need to apply for a special key to use these APIs.

For additional information about these APIs or if you have general questions about machine interaction with the UNT Digital Library please contact Mark Phillips.

Note that all example URLs below use the same protocol and server name, http://digital.library.unt.edu/explore/collections/DPWMSC/. We only show the URL paths and parameters below to save space.

The API

OAI-PMH

The Open Archives Initiative's Protocol for Metadata Harvesting (OAI-PMH) allows programmatic access to this collection's metadata. Two metadata formats are currently supported, the standard oai_dc and the UNT Libraries native metadata format until.

Below are example URLs which demonstrate some of the standard views of this OAI-PMH repository:

- `oai/`
  base URL for OAI-PMH repository
- `oai/?verb=Identify`
  Display information about this repository
- `oai/?verb=ListMetadataFormats`
  List available metadata formats
- `oai/?verb=ListSets`
  List available sets
Professor Ray Gough Slide Collection

What's Inside this Collection.

This collection features images from Professor Ray Gough's travels to Europe, the Middle East, and the Orient. Included are images of architecture, archaeological sites, and pottery workshops and kilns.
UNT Oral History Collection

What’s Inside this Collection.

The Digital Collection

The UNT Oral History Collection in the UNT Digital Library contains a selection of oral history transcripts covering World War II, politics, community activism, desegregation, recollections of life in Texas, and more. **Access to these items is restricted to the UNT community.**

The Physical Collection

With more than 1,800 bound volumes of oral history interviews, including more than 150,000 pages of transcript, the UNT Oral History Program collection has amassed the largest public university collection of oral history interviews in Texas and one of the nation’s pre-eminent World War II oral history collections. In addition to World War II history, the collection’s strengths include but are not limited to Denton history, African-American history, entrepreneurial history, university history, histories of the Holocaust, the New Deal, Texas politics, and other subjects, and the archives of the Oral History Association. Students, journalists, researchers, genealogists, government agencies and
Texas Fashion Collection

What’s Inside this Collection.

The UNT Texas Fashion Collection is dedicated to the preservation and documentation of historically significant fashion, and serves as an educational and inspirational resource for students, researchers, and the general public. This vital resource is part of the UNT College of Visual Arts + Design.

About the Physical Collection

The collection of top designers' works began in 1938 through the efforts of Stanley and Edward Marcus. The Dallas Fashion Group saw that it came to UNT in 1972 to support a growing fashion design program. Today, the collection includes over 18,000 items. Between February and August of 2013, the entire collection was packed and moved to a new facility on the UNT Campus.

At this time, the Texas Fashion Collection is undergoing extensive inventory and documentation in preparation for providing online access to all objects that have been photographed.

About the Digital Collection

RAG Ladies visit the Texas Fashion Collection, November 21, 2013
Added: 03/08/2014

Feetival Attiro - Akha Hill Tribe
Added: 03/07/2014

Belly Dancer's Costume - Banjara Peoples of India
Added: 03/07/2014
SLIS Call Number

What’s Inside this Collection.

The Call Number is a departmental and alumni newsletter published by the School of Library and Information Sciences at the University of North Texas beginning in 1939. Issues contain news items and announcements concerning the library school and describe the activities of students, faculty, staff, and alumni.

Browse the holdings of this collection
The North Texan connects UNT alumni and friends to the university and updates the UNT community on what's happening on campus and within our community. The magazine's mission is to demonstrate UNT's vibrant and continued relevancy within the lives of alumni and friends as it showcases how the university and its alumni make a difference in the world. The North Texan is produced by the Division of University Relations, Communications and Marketing.
The ReSource collection contains magazines covering research, scholarship, and the arts at the University of North Texas. Included are issues of ReSource, published from 1984-2004, and UNT Research, published from 2006-. Highlights include features, news briefs, alumni spotlight, faculty books and portraits.
Dallas/Fort Worth American Chemical Society Publications

What’s Inside this Collection.

This collection contains the bulletin published by the Dallas/Fort Worth Section of the American Chemical Society. Included are *The Activator* (1944-1948) and the subsequent title, the *Southwest Retort*. The bulletins include division information, regional meetings, news about members, editorials, and other items of interest to members.

Browse the holdings of this collection
Chemical Information

What's Inside this Collection.

The Chemical Information Collection contains publications of the American Chemical Society, Division of Chemical Information. Included are Chemical Literature (1949-1975) and Chemical Information Bulletin (1975-present). Appealing to division members and others interested in chemistry, the publications contain bibliographies, abstracts of meeting sessions, news about members, and, sometimes, "chemical games."

Browse the holdings of this collection
What’s Inside this Collection.

JAC is a forum for scholars interested in theoretical approaches to the interdisciplinary study of rhetoric, writing, multiple literacies, and politics. JAC publishes four book-length issues a year, featuring articles, interviews, essays, review essays, and reviews. The journal is peer-reviewed and sponsors four annual awards for outstanding scholarship. This collection includes the complete archives except for the three most recent issues which are released as the next is published.
Starting with the year 2000, this collection contains selected issues of *The HEXAGON of Alpha Chi Sigma*. This national professional fraternity was founded in 1902 at the University of Wisconsin-Madison and now has over fifty collegiate and professional chapters across the United States. The collection includes the "Rediscovery of the Elements" sesquicentennial project of Dr. James L. and Virginia R. Marshall of the University of North Texas. In addition to the main articles, there are several other feature articles connected with the project as well as cover photographs taken by Virginia Marshall.
College of Music Recordings

What’s Inside this Collection.

About This Collection

The College of Music Recordings include doctoral, ensemble, faculty, guest, and senior recitals from the UNT College of Music, beginning with spring 2006. Access to these recordings is restricted to the UNT community.

About the UNT College of Music

One of the nation’s largest music schools, the UNT College of Music provides a dynamic learning environment for both future professionals and the broader university community. The College of Music offers instruction in the areas of composition studies; conducting and ensembles; instrumental studies; jazz studies; keyboard studies; music education; music history, theory, and ethnomusicology; and vocal studies. With more than fifty performing ensemble groups, a full schedule of student recitals, and frequent visits by guest artists, the college brings music lovers nearly a thousand concert events each year.
Gordon Knox Film Collection

What’s Inside this Collection.

About This Collection

The Gordon Knox Film Collection contains over 100 films created by Texas-born filmmaker Gordon Knox (1906-1992) or Mr. Knox’s production company, The Princeton Film Archives. The collection contains short and feature-length documentaries produced between 1937 and 1964 for the United States Armed Forces, state and federal government agencies, non-profit organizations and private sector clients. Currently, 67 films in the Gordon Knox Collection are available through the UNT Digital Library along with related still photographs showing film crews and staff working on location. The remaining 35mm films are housed at the UNT Media Library, along with physical 16mm copies of the 67 films available through the UNT Digital Library.

Additional Resources

To learn more about Gordon Knox and the Princeton Film Archives, see the UNT Media Library’s Gordon Knox Film Collection page.
Joseph Britton Freshwater Mussel Collection

What's Inside this Collection.

About Joseph C. Britton, Jr.

Joseph C. Britton, Jr. was born on October 14, 1942 in Fort Worth, Texas. He earned a Bachelor's of Science and a Master's Degree in Biology from Texas Christian University (1963 and 1965 respectively). He earned a Ph.D. from George Washington University in 1970. His career began as the Assistant Director of Exhibits at the Smithsonian Institution National Museum of Natural History in Washington, D.C. where his early studies were of the marine bivalve family Lucinidae. Dr. Britton returned to his hometown of Fort Worth, Texas in the early 1970s and accepted a faculty position in the Biology Department at Texas Christian University. His research interests then transitioned to freshwater bivalves. He surveyed Texas waters for native mussels and studied the ecology and distribution of the invasive freshwater mussels.
Megalonaias nervosa, Specimen #1655

**Description:**
One preserved mussel specimen including both the left and right valves. The specimen exhibits a rhombooidal shape; moderately thick shell; double looped beak sculpturing; white internal coloring; tan external coloring; external sculpturing in the form of ridges. Collected in the Guadalupe basin. The specimen measures between 0 - 60 mm in length and was assessed to be recently dead when collected.

**Creator(s):**
- Hammontree, Sarah
- Pulliam, Lauren
- Perry, Heather
- Mabe, Jeffery

**Location(s):**
United States - Texas - DeWitt County

**Creation Date:**
June 11, 2011

**Partner(s):**
Elm Fork Natural Heritage Museum
Megalonaias nervosa, Specimen #1655
Environmental Policy Collection

What's Inside this Collection.

About This Collection

The Environmental Policy Collection contains a variety of open access resources that provide a balanced view on environmental issues and their potential consequences. The current focus of the collection is climate change, and the documents come from such agencies and individuals as:

- United States Climate Change Science Program
- National Oceanic and Atmospheric Administration
- International Geosphere-Biosphere Programme
- Climate Change and Agriculture and Food Security
- Earth System Science Partnership
- Intergovernmental Panel on Climate Change
- United Nations Environment Programme
- World Meteorological Organization
- University of North Texas (UNT) graduate students

About This Project

The UNT Libraries are working to identify, collect, organize, and
Environmental Policy Collection

What’s Inside this Collection.

About This Collection

The Environmental Policy Collection contains a variety of open access resources that provide a balanced view on environmental issues and their potential consequences. The current focus of the collection is climate change, and the documents come from such agencies and individuals as:

- United States Climate Change Science Program
- National Oceanic and Atmospheric Administration
- International Geosphere-Biosphere Programme
- Climate Change and Agriculture and Food Security
- Earth System Science Partnership
- Intergovernmental Panel on Climate Change
- United Nations Environment Programme
- World Meteorological Organization
- University of North Texas (UNT) graduate students

About This Project

The UNT Libraries are working to identify, collect, organize, and
Leveraging digital library infrastructure
Creating a sustainable program
The “how” becomes a known answer
Like digital stacks
Allowing us to focus on the content
And the connections people make with it.
Thank you

mark.phillips@unt.edu

http://digital.library.unt.edu

http://texashistory.unt.edu/