

THE UNIVERSITY OF TEXAS  
SCHOOL OF



information

*Capstone Poster Session  
Spring 2010*

*Friday 7 May 2010*

*2pm-4pm*

*1616 Guadalupe Street, 1<sup>st</sup> floor*

## PRESENTERS

Christine Alfredson

### *Pieces of the Past: An Online Exhibit*

Texas Archive of the Moving Image

Faculty Supervisor: Randolph Bias

Field Supervisor: Elizabeth Hansen

In the first decades of television, most national and local studios broadcast their programming live, and did not record early television shows or news broadcasts on film. Consequently, information about these shows is irretrievably lost, and the evidence of their existence lives on only in memory or in writing, which does little to capture the essence of their original medium. Austin has a distinctive television history because its earliest moments have been preserved with the help of local television employees who saved films that would have otherwise been disposed. By accumulating film from the early days of Austin television, it is possible to piece together the lost and often forgotten history of local programming. This online exhibit, presented by the Texas Archive of the Moving Image, does not attempt to represent the definitive collection of Austin television history; however it serves as a foundation on which to assemble the canon of pioneering television achievements in Austin. The development of the Austin television canon enables local Austinites to view their past in a way many communities are not able. The faces, places, and events depicted in the newly accessible collection are unique to Austin.

Crystal Arnspiger

### *Organizing the Outreach Collection*

The Center for Middle Eastern Studies, The University of Texas at Austin

Faculty Supervisor: Melanie Feinberg

Field Supervisor: Christopher Rose

The Center for Middle Eastern Studies maintains a collection of books, curriculum units, and other media on topics relevant to the study of the Middle East and for use by K-12 teachers in their classrooms, called the Outreach Collection. More than half of the resources in this collection are not cataloged; catalog entries that exist for some of the items are inconsistent in their content and formatting. And, there is no physical organization system in place. This project seeks to organize and catalog this collection for easier access, using the Lending Libraries online catalog created by Hemispheres, the College of Liberal Arts international outreach consortium. The result will be an updated catalog for the Center with thorough, consistent, and accurate entries for all items in its outreach collection and a physical organization scheme designed to suit the needs of the Center and its space limitations. A plan with specific guidelines will also be created for the Center's other resource collections, the Video Collection and the Resource Room Book Collection, for future organization and cataloging by the Center.

Sarah Kinsey Arriaga

### *Establishing a Corporate Archives*

Online Computer Library Center

Faculty Supervisor: David Gracy

Field Supervisor: Larry Olszewski

I did my Capstone on-site at OCLC's Corporate Library at their headquarters in Dublin, Ohio. Working full-time for one month with the Director of the Library, Dr. Larry Olszewski, our objective was to catalog the bulk of the materials selected for inclusion in the archives, and to develop a plan for the physical arrangement and storage of the materials. Working mainly with public relations, advertising, and strategic planning and development materials, I cataloged items individually in an Excel Finding Aid and Inventory, in OCLC's proprietary OPAC, Amlib, and directly into WorldCat using the Connexion cataloging client. After receiving training on these databases, I streamlined the cataloging process by focusing on each series as a whole first in Excel, then in Amlib or Connexion, where I also cut out some redundant steps. This significantly cut the time needed to catalog each item. Upon returning to Austin in February I began working on a plan for the physical arrangement and storage of the archival materials on compact shelving within the OCLC Library. Much of the material that had been cataloged prior to my arrival currently resides in large boxes in a warehouse. With the implementation of my storage plan the materials will move into their permanent space in smaller boxes that will allow the entirety of the archives to be both physically browsable and easily retrievable from catalog records.

Laura A. Bechtel

### *Bridging the Gap: Developing a Tag*

#### *Set for Gender in Science and Engineering Digital Resources*

School of Information, The University of Texas at Austin

Faculty Supervisor: Lynn Westbrook

Field Supervisor: Lecia Barker

The goal of the project "Bridging the Gap: Developing a Tag Set for Gender in Science and Engineering Digital Resources" is to develop a set of tags to be used across National Science Foundation Gender in Science and Engineering Extension Services websites, facilitating the organization of and access to their online resources by their users. The current organization scheme of the online resources was heuristically evaluated to identify common themes and vocabulary. Building upon this evaluation, a preliminary tag set was developed; this tag set was submitted to the National Science Foundation Gender in Science and Engineering Extension Services members with a short survey requesting feedback. Using the survey responses, the appropriate adjustments are to be made to the tag set. A final report will be delivered to the National Science Foundation Gender in Science and Engineering Extension Services outlining the results of the analysis of the terminology used to organize the resources of the multiple resource sites and recommending a common set of tags for use among the resource sites.

Erik Beck  
*Texas Constitutions Digital Collection Redesign*  
Tarlton Law Library, The University of Texas at Austin  
Faculty Supervisor: Luis Francisco-Revilla  
Field Supervisors: Melanie Cofield and Elizabeth Haluska-Rausch

The Texas Constitutions Digital Collection contains digitized images and text of the thirteen different constitutional documents under which Texas was governed from the establishment of the United States of Mexico in 1824 to the adoption of the state's present day constitution in 1876. Also included in this collection are journals and convention materials relating to the documents' drafting. The purpose of this capstone project is to create a new interface for the collection that better leverages the collection's assets and allows for better navigation between documents. The new interface has been tested on targeted user groups to ensure optimal usability. Also included in the purview of this project is a deep assessment of the collection's contents, a thorough plan for building a database-driven system to store and render contents dynamically, and a cost-benefits analysis for possibly merging the collection into the University of Texas Digital Repository.

Kathryn Brooks  
*The W. Lois Douglas Papers*  
The French Legation Museum  
Faculty Supervisor: David Gracy  
Field Supervisor: Stephanie Jarvis

This project contains two parts. One component involves the processing and arrangement of the W. Lois Douglas Papers, generated by a former Chair and Treasurer of the French Legation Committee. This committee is composed of members of the Daughters of the Republic of Texas, who are responsible for running the French Legation Museum. W. Lois Douglas was also a relative of the Robertson family, who lived longest at the French Legation. The second part of the project concerns the editing of the Museum's Archives Manual for future use by employees and volunteers alike. In order to accomplish these tasks, I have had to draw on my education and experience in the archives profession. The processing aspect involves appraisal, research, and preservation actions. The intellectual and physical arrangement of these papers will benefit the Museum through their improved organization and the addition of dates to the Museum's timeline, besides other advantages. The revision of the Archives Manual will allow me to draw on professional resources I have utilized in scholastic and external archival projects to help others learn more about proper archival procedures.

Jessica Chisholm  
*Preparing the Next Generation of Theological Librarians*  
Austin Graduate School of Theology  
Faculty Supervisor: Loriene Roy  
Field Supervisor: M. Todd Hall

This project follows a student through a semester long internship at the Austin Graduate School of Theology. There are three main areas of focus within the project. The first focus is to improve access to the reference collection through a special cataloging project. This allows the student to work closely with a librarian to learn valuable cataloging skills. The second focus examines the role of information literacy in the work of the theological librarian. This includes observing lectures, preparing classroom materials and planning and delivering a lecture to a research and writing class. The third focus assists in preparing the 2012 accreditation visit of the Commission of Colleges of the Southern Association of Colleges and Schools (SACS). This involves observing and assisting the Director of Library and Information Systems during a variety of activities. They include reassessing the strategic plan, developing goals for the 2010-2011 academic year, producing a budget for the 2010-2011 academic year, designing and implementing evaluative instruments and revising policies and procedures.

Rose Coyle  
*Ready to Read: Literacy Acquisition Workshops for Parents and Caregivers*  
Cedar Park Public Library  
Faculty Supervisor: Karen Pavelka  
Field Supervisor: Julia Mitschke

The Ready to Read program aims to educate parents and caregivers about the significance of early childhood experiences in the successful acquisition of literacy. Parents and caregivers are presented with scientific research on cognitive development that illustrates the importance of engaging children in reading related activities from birth onward. My role has been to co-administer workshops, including reading aloud and demonstrating suggested activities, and to assist in the promotion of workshops in the community. Since these workshops occur on a monthly basis, I have also had ample time to hone my reference skills and contribute time to other programs at the Cedar Park Public Library, including an enjoyable turn at being the moderator of the Teen Book Club.

Stacy Crain  
**A Competitive Usability Analysis of NVIDIA and ATI Control Panels**  
Dell, Inc.  
Faculty Supervisor: Randolph Bias  
Field Supervisor: A. Fleming Seay

The purpose of my Capstone project was to provide the Alienware division of Dell, Inc. with the results of a competitive usability analysis for the control panels of two graphics cards. The cards assessed were the NVIDIA GeForce GTX 275 and the ATI Radeon HD 3870X2. Both cards are currently available in various Dell desktop computers, including those in the Alienware division, and the results of my analysis provided information about usability issues and user preferences for the control panels of each. Initially, I evaluated each control panels against a set of accepted heuristic guidelines and submitted these results to Dell, Inc. I then used the outcomes of these initial assessments to create an appropriate usability testing plan that compared the functionality of the two cards. I recruited ten representative participants and conducted formal user testing of each control panel onsite at Dell, Inc.'s User Experience Laboratory. Finally, I presented the results of this competitive usability analysis to Dell, Inc.

Meghan K. Currey  
**Human Rights in Texas: Promoting Public Awareness through Glifos Social Media and the Digital Videos of the Texas After Violence Project**  
UT Libraries' Human Rights Documentation Initiative  
Faculty Supervisor: Gary Geisler  
Field Supervisor: T-Kay Sangwand

The Texas After Violence Project is an Austin based non-profit whose goals are to create and make accessible interviews with people who face situations of violence and results of the penal system of Texas. In 2008, the University of Texas Libraries formed the Human Rights Documentation Initiative in order to preserve and provide access to human rights documentation from around the world. For my capstone, I will use the Glifos Social Media software to promote dialog on effective ways to respond to and prevent violence. I will work as project coordinator for T-Kay Sangwand, the Human Rights Archivist at the University of Texas Libraries and the director of the TAVP, Dr. Virginia Raymond, to obtain 19 videos from the TAVP and facilitate a process by which staff at the organization can index and make accessible over 26 hours of interviews and information about violence in Texas. I will also train the staff at the TAVP in the use of Glifos Social Media and create training materials for the software's future use at the TAVP and the HRDI.

Sarah Dana  
**Case Studies: Designing and Installing an Exhibit Honoring the Southwest Conference**  
Texas Sports Hall of Fame  
Faculty Supervisor: Megan Winget  
Field Supervisor: Ymelda Laxton

Six years ago, the Texas Sports Hall of Fame started the process of funding, building and collecting items for a recent expansion that doubled the size of their museum. In preparation for their grand opening in February 2010, I installed artifacts and created object labels for 75 display cases in their new Southwest Conference Gallery. Using both their collections and loans, I chose items to be included in the exhibits and designed layouts to showcase the objects in consideration of both the presentation and the preservation of the items. I worked with the collections manager to unpack and re-house loans and create records for newly accessioned objects. I completed research for object labels and exhibit signage. I wrote, edited, and formatted labels for use in display cases. While the organization secured the intellectual property rights of the conference and many of the materials in this exhibit years ago, this was their first opportunity to show the items and illustrate the impact the Southwest Conference had on college sports. The museum hopes the new gallery will increase the number of annual visitors to the Texas Sports Hall of Fame and to the city of Waco, Texas.

Daniel Dylla  
**Creating Medical Search Tutorials Using Screen-Capturing Software**  
Clinical Education Center at Brackenridge Hospital  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Barbara Mercer

As the librarian role of information gatekeeper has shifted towards information steward, significant increases in instruction time have occurred. Tutorials are a way to invest a significant one-time contribution of effort in order to efficiently expand instructional influence. In the Clinical Education Center, many students and staff lack adequate exposure to not only proper searching techniques, but also simply navigating databases. Tutorials provide a way for students to facilitate learning themselves and learn at their own pace and convenience. The goal of this project is to create beginner, intermediate, and advanced tutorials for searching the CINAHL database using the screen-capturing software, Adobe Captivate. These tutorials cover basic search terminology, navigating the database, and formulating information needs and queries. The beginning of the project focused on laying out the required terminology and methods of search and becoming familiar with both the CINAHL database and Captivate. The middle of the project focused on a tutorial creation. The latter part of the project tuned the tutorial based on feedback from students and/or the field advisor. The tutorials will be accessible from the Clinical Education Center website.

Lela Ellison

**Stepping Into the Web 2.0 Arena**

St. Edward's University Scarborough-Phillips Library  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Margaret Warner

Scarborough-Phillips Library, a university library at St. Edward's University, is executing a Virtual Reference pilot program to update and enhance their reference services with various Web 2.0 strategies. My project is to assist and participate, along with a team of librarians, in adapting the library setting and services to offer chat reference and establish a presence on Facebook. I formulated policies for chat reference, complete with a list of best practices and tips on conducting successful chat reference. I developed standards and statistical methods to track the chat reference service. After performing analyses of the statistics and results from a survey of the reference librarians, I provided suggestions on re-structuring the chat reference service based on the needs of the staff and the patrons. Finally, I created a web-based staff-training manual on (a) human-information interaction in virtual reference and (b) quality indicators useful for staff self-development. I also participated in brainstorming sessions on the use of marketing the library via Facebook. My learning objectives were to develop reference experience, to develop staff and student training resources, and ultimately to gain a heightened perspective of the evolving services of academic librarianship in the 21st century.

Kady Ferris

**Weeding and Rebuilding in the Scarborough-Phillips Literature Reference Collection**  
St. Edward's University Scarborough-Phillips Library  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Margaret Warner

As more library reference resources are becoming available and improved online, the Scarborough-Phillips Library at St. Edward's University is reassessing the usefulness of its print reference collection and making an effort to highlight online resources for patron usage. To that end, my semester-long project at Scarborough-Phillips was two-tiered. In the first part of the project, I drafted and implemented a workflow for weeding the reference collection by selecting items to withdraw from the literature section of the collection. I reviewed over 600 titles that comprised the English literature reference collection, discerning currency, relevance to the collection, and making recommendations for the purchase of new editions when available. Titles that were recommended for removal from the reference collection were either moved to the circulating stacks or withdrawn from the collection. In the second part of the project I developed an online literature subject guide with the LibGuides tool. Paying special attention to the St. Edward's curriculum, I researched and highlighted useful online reference sources that have supplanted the print resources.

Jonathan Grass

**Social Media Guide: A Capstone in Instruction in a Public Library**  
Austin Public Library Reference Department  
Faculty Supervisor: Loriene Roy  
Field Supervisor: Bonnie Brzozowski

This Capstone was designed in coordination with the reference department at Austin Public Library (APL). On its Web site, APL provides an extensive selection of research guides to its users covering various subjects. APL also provides face-to-face instruction to users in a classroom setting in areas of interest that often complement the subject guides. In discussion with librarians in the reference department at Austin Public Library, two areas of opportunity for instruction were social media and basic Web development skills. This Capstone project consisted of two components: a research guide and instruction classes. For the first part of the project, I created a Web-based research guide focusing on social media in general, blogging, social networking, wiki, and microblogging. These guides are designed to be educational for users with basic familiarity with the Web but little or no familiarity with social media. For the second component of the project, I taught two classes for APL patrons; one on social media and one on developing basic html skills.

Sarah J. Gutierrez

**BoardBook Version 3**  
Texas Association of School Boards  
Faculty Supervisor: Phillip Doty  
Field Supervisor: Tim Curtis

BoardBook is an electronic agenda-preparation tool that is accessed through the client's Web browser. The program is used to prepare, publish, distribute, and use agenda packets electronically. BoardBook is primarily used by Texas school district board of Trustees, but it also has clients in other states and even Canada. BoardBook is in the process of designing and publishing version three of its current system. My role has been to create training and transitional materials for new and existing customers in order to facilitate the use of the new system. These materials have been created in a variety of formats such as text, visual aids, and video. Each group has specific goals and needs that need to be addressed in order to facilitate the use of the program and the satisfaction level of the users. Additionally, there are several levels of users with various levels of access and interaction with the program. The training and transactional materials must meet the needs of existing users and the need of new users to learn the program successfully.

Naomi K. Jones  
**Academy of Oriental Medicine at Austin**  
Faculty Supervisor: Glynn Harmon  
Field Supervisors: Lesley Hamilton and David York

I am completing a three-fold project for the Academy of Oriental Medicine at Austin (AOMA). The project components include a gap analysis of AOMA's library, website, and patient health record system; design of a patient record database; and exploration of multiple areas of the library, including circulation and acquisition. The gap analysis was performed by direct observation of the library, the patient data storage office, and the AOMA website. I interviewed students, faculty and staff and worked within the library to uncover deficiencies. Additional interviews were conducted with faculty members to confirm the content and usage requirements for the database. As project manager, I meet weekly with the database stakeholders, acting as liaison between faculty members and the IT staff. My library activities have included training in operating the material-loan database, in making acquisitions, and in weeding out materials. The anticipated project outcome is to provide AOMA with suggestions on how to improve their library, website, and patient record system to enhance client and community outreach services. Completion of a patient care database will allow the faculty to research treatment effectiveness over time. The project has also provided me with enhanced skills both in project management and library services.

Jessica Kramm  
**Postmodernism in the Classroom**  
The Blanton Museum of Art and McCallum High School  
Faculty Supervisor: Mary Lynn Rice-Lively  
Field Supervisor: Tom Watterson

"Postmodernism in the Classroom" is a pilot educational program I have developed in partnership with The Blanton Museum of Art and McCallum High School teachers and students. This program is a response to the museum's need to expand educational offerings to include high school audiences as well as McCallum's desire to tailor traditional classroom materials to reflect the talents of their students, many of whom are involved in the campus' Fine Arts Academy. I have created an online resource to accompany the exploration of postmodernism in art, literature, and music, pairing selected readings and activities with artworks from the Blanton's collection. Lesson plans included in the website are designed to facilitate student practice of reading texts and art objects as compositions with similar and often intersecting elements. Use of the web resource will culminate with the visit of 120 McCallum students to The Blanton over the course of two days. The Blanton can now use the experience of these students and teachers to inform other area high schools about the ways in which their facility can address the instructional needs of junior AP English students.

Amanda Leiva  
**Cataloging and Collection Development for Second Chance Books**  
Second Chance Books at the Gardner Betts Juvenile Center  
Faculty Supervisor: W. B. Lukenbill  
Field Supervisor: Kathleen Houlihan

Second Chance Books is an outreach program of the Austin Public Library that maintains satellite libraries at the Gardner Betts Detention Center. The program, which serves at-risk youths, aims to promote reading for pleasure. As part of my service to Second Chance Books, I began by weeding the existing collection. As the program grows, new books are purchased, and because of the limited shelf space, the staff needed to make room. By examining the collection and circulation records, I was able to remove books that no longer served the interests of the center's residents and were not circulating. Also, to help the detention center meet the needs and wants of its population, I performed an analysis of the collection and determined in which areas the collection was lacking. I also took into account the social, educational, racial, and financial situations of the residents and made recommendations that would appeal to them. By consulting book lists and reviews, I created a list of recommendations specifically aimed at the detention center's residents and that would help promote reading. In the future, this list can be used to further develop the collection.

Rachel D. Little  
**Aztec and Maya Law: An Online Exhibit and Research Guide**  
Tarlton Law Library, University of Texas School of Law  
Faculty Supervisor: Mary Lynn Rice-Lively  
Field Supervisor: Elizabeth Haluska-Rausch

In 1992, Tarlton Law Library sponsored an exhibit entitled "Law in Mexico Before the Conquest." The exhibit was later placed online with an Aztec and Maya law bibliography, and was last updated in 2003. For my capstone project, I revised and expanded the structure and content of this website. The goal of my project was to create an online exhibit and research guide that (a) followed current standards for web design, (b) provided citations to recent Aztec and Maya legal scholarship, and (c) contained content and images that would meet the information needs of legal and Latin American studies scholars. In completing this project, I conducted extensive research on Maya and Aztec law using resources in English and Spanish. The UT Benson Latin American Collection graciously agreed to collaborate with Tarlton Law Library on this project, and I worked with the Benson staff to locate and scan images of Aztec and Maya codices for the website. Finally, I coded the website on Adobe Dreamweaver CS4 using an existing template that was created by the Tarlton staff. The final exhibit and research guide will be hosted on the Tarlton Law Library website and will be linked to the Benson Collection website as well.

Arturo H. Longoria

**Evaluation of Education Serials at the Perry-Castañeda Library**

Perry-Castañeda Library, The University of Texas at Austin

Faculty Supervisor: Gary Geisler

Field Supervisor: Janelle Hedstrom

The principal objective of this project was to gain knowledge and understanding of collection development policies at an academic library. This was achieved through the analysis and evaluation of the University of Texas at Austin Libraries' education serials collection, maintained by Janelle Hedstrom, the education bibliographer at the Perry-Castañeda Library. General information—including price, publisher, peer-reviewed status, specific funding codes used to purchase the serial, and indexing and full-text availability in aggregators such as EBSCO—was collected using Ulrich's Periodical Directory for each of the approximately 400 serials. An evaluation rubric was then developed in collaboration with Ms. Hedstrom and applied to the serials. The rubric took into account several aspects: availability (both in print and online), quality and reputation in the field, pricing, and the topics of focus at UT's College of Education. This resulted in recommendations on which titles to cancel, which titles to transform, and which titles to maintain. The serials were also collocated into 3 categories: those with a high cancellation priority; a medium priority; and a low priority. These categories are intended for Ms. Hedstrom's use as the UT Libraries are facing budget uncertainty; they serve to reflect a small, medium, and large budget cut.

Christopher O. Magee

**Digitizing the A.C.W.L.A. Letters**

H.J. Lutcher Stark Center for Physical Culture and Sports, The University of Texas at Austin

Faculty Supervisor: Megan Winget

Field Supervisor: Cindy Slater

The goal of my Capstone project is to digitize and produce a finding aid for the collection letters between George F. Jowett and Ottley R. Coulter concerning the formation and operation of the American Continental Weight-Lifter's Association (A.C.W.L.A.). The A.C.W.L.A. was the first organization of its kind in the United States, a fact which makes these letters particularly important in the history of physical and sports culture. However, no finding aids were previously available for these letters and much of the knowledge about the collection resided only with Drs. Jan and Terry Todd, the directors of the Stark Center. Over the course of three months, I digitized the letters and produced a finding aid for the collection that will be stored on the Stark Center's website allowing for greater resource discovery. In addition to the digitization work, I also performed basic conservation techniques to help ensure that the papers stay in as good a condition as possible.

Amy Mann

**Digitizing the H.J. Lutcher Stark Center's Physical Culture Magazine Collection**

The H.J. Lutcher Stark Center for Physical Culture and Sports

Faculty Supervisor: Lynn Westbrook

Field Supervisor: Cindy Slater

The H.J. Lutcher Stark Center for Physical Culture and Sports is a new research center on campus that features a museum, library, and archive dedicated to sports and physical culture. Among the many items in their collection, the Stark Center boasts a full run of Physical Culture magazine, a magazine first published in 1899 by Bernarr MacFadden. While there are a few existing digital issues of this publication online, there is no complete digital collection, and none that date back to the earliest volumes. For my Capstone, I digitized the entire first volume of Physical Culture and used Abbyy FineReader to OCR (optical character recognition) the scans and make the text searchable. Finally, I made some of the images and text from this volume available on the Stark Center's Web site. Additionally, I created a metadata schema to record relevant data from my digitization project and passed this schema on to the Stark Center so that my project can be carried on in the future with additional volumes and hopefully, a complete run of Physical Culture magazine will one day be available online through the Stark Center's Web site.

Stacee Millangue

**Project Title: Enterprise Knowledge Management: Designing a Collaborative Research Portal**

Austin Ventures

Faculty Supervisor: Yan Zhang

Field Supervisors: Mike Millard and Laura Young

Austin Ventures' Research Analysts gather dozens of industry reports and online sources a week in developing overviews for investment professionals. Currently, the analysts archive research in multiple places, including individual e-mail accounts, network folders, and news feeds. While these silos allow for some knowledge sharing, researchers need a centralized portal that allows for real-time collaboration, resource guides, project tracking, and mobile-device access to reduce reliance on memory and duplication of efforts. Utilizing the methods of contextual inquiry, ethnographic interviews, and content analysis, I developed use-case scenarios to develop an optimal prototype. I also used card sorting and task analysis to inform the design. In choosing the back-end platform, I researched and compared trends in the enterprise software and cloud computing markets to find an application that a person without extensive programming knowledge could realistically maintain in addition to performing other job duties. As a result, this research portal should match the prototype while fitting within the capabilities of existing web applications. My goal would be creating an end product that the researchers want to use and deem "cool" (in their words). In the future, I hope another student can continue usability testing and improving the design.

Shannon Moore  
*Virtual Gallery as Curatorial Tool*  
Visual Art Center, The University of Texas at Austin  
Faculty Supervisor: Megan Winget  
Field Supervisors: Jade Walker & Foster Foreman

**Objective:** To provide the UT Art Department's new Visual Art Center with a curatorial tool to: 1) aid in installation planning, 2) the digital archiving of art exhibitions and 3) serve as a teaching tool for student groups curating their own exhibits. **Method:** I conducted an extensive search and evaluation of numerous software packages and entered into negotiations with a select service provider whose offerings met our needs, but whose cost was determined to be outside of our working budget. I investigated the development of our own virtual gallery solution using the program Google Sketchup, aided by training from local designer Nick Wiley from the architecture firm Black & Vernooy. Using measurements from the VAC architects and Google Sketchup I was able to construct a working 3-D virtual mock-up of the gallery spaces and create movable painting/sculpture objects to serve curatorial design uses. I will be exploring the viability of creating a digital library of art object surrogates that can be stored and employed as well as develop technical documentation and instruction in the form of a Wiki.

Alexandra Galt Myers  
*Improving Access: How the Texas Architecture Survey Can Serve as a Model Collection*  
Alexander Architectural Archive, The University of Texas at Austin  
Faculty Supervisor: Patricia Galloway  
Field Supervisor: Beth Dodd

The records of the Texas Architecture Survey (TAS) represent a unique resource for training in archival processing and evaluating options for improving access to a collection with excellent photographic materials. The first component of my Capstone consists of appraising, understanding, describing and intellectually and physically arranging the partially processed TAS records. The collection includes records from several creators and multiple acquisition periods, including the administrators of the TAS, the Amon Carter Museum of Fort Worth, Texas, professional photographer Todd Webb, along with several reference photographic collections including images by architect and historian David Williams. Initial reprocessing steps include accounting for discrete, discordant item labeling systems from each creator along with compiling a timeline of historical operations. My revised finding aid is available to researchers through the TARO website (Texas Archival Resources Online) and the University of Texas Libraries website. Formatting of the finding aid adheres to the formal schema for Encoded Archival Description (EAD), using XML syntax compliant with the TARO site and its CSS template. My capstone project also incorporates an exploratory component, complemented by reviews and recommendations for generating patron interest in photographic and visual media holdings. I will review metadata standards, options for patron-generated metadata contribution, feasibility of gallery-type image browsing, and integration with the University of Texas Libraries Digital Repository. The Alexander Architecture Archive would like to expand its online presence and online availability of resources, and my capstone addresses these issues while offering recommendations based on a fully processed collection.

Amy Nolan  
*Teen Librarian: Website, Programming and Readers Advisory. A Job with Many Hats*  
Georgetown Public Library  
Faculty Supervisor: Loriene Roy  
Field Supervisor: Bethni King

The goal of this capstone was to become familiar with the various tasks and responsibilities of a Teen Librarian or young adult (YA) services librarian and, specifically, those associated with teen services at the Georgetown (Texas) Public Library (GPL). My primary and most urgent assignment was to overhaul the current Teen Space Website to produce a more viable and engaging presence. I compiled examples of best practices, reviewed other library sites, and then culled data from a recent survey completed of local middle and high school students by GPL. I then created a site map and eventually some mock pages to present to the City's webmaster for approval. The webmaster has since implemented many of those changes and more are forthcoming. I helped plan and deliver eight teen programs throughout the semester including a MarioKart Tournament, several Animanga Clubs, and a Teen Valentine Event. Acknowledging that a Young Adult librarian is often called upon to work with Adult Services, I helped create and execute a new Adult Program called Readers Rekindle Romance that took place on April 10th. Finally, I spent a minimum of two hours per week working at the various public service desks in the library that included reference, circulation and children's.

Stephen Pipkin  
*Archaeological Digital Object Management*  
Institute of Classical Archeology, Texas Advanced Computing Center  
Faculty Supervisor: Gary Geisler  
Field Supervisor: Maria Esteva

The project I am working on concerns the Creation of an Evolving Archive for data storage of the Institute of Classical Archaeology to be housed at the Texas Advanced Computing Center. The ICA has been engaged in archaeological practice since the 1970 and has a large volume of traditional paper and film records as well as an emerging body of Digital records. This project will focus on the creation of a Repository for this data to be located at the TACC. This project will focus on the creation of an ingest work flow so that new material can be added as well as an access mechanism so that the information stored at the TACC will be accessible to researchers. A simple metadata schema be employed that will automatically harvest element information from the files with minimal need for human interaction. The result will be a deep searchable file structure that can capture the nuance and idiosyncrasy of archaeological knowledge production and still provide findable resources for comparison and research.

Catherine Prazak  
*Capturing Our Stories*  
School of Information, The University of Texas at Austin  
Faculty Supervisor: Loriene Roy  
Field Supervisor: Arro Smith

For our Capstone project, Beth Smyer and I are contributing to and organizing the *Capturing Our Stories: Developing a National Oral History Program of Retiring/Retired Librarians* collection. It is one of Dr. Roy's American Library Association presidential initiatives, and the program is being hosted by The School of Information at the University of Texas at Austin. This program conducts interviews with retired and retiring librarians to gather the stories of their careers and make them available to others online and through the American Library Association Archives, enabling a wide audience to learn from their experiences. For our portion of the project, we will be transcribing interviews that have already been conducted and syncing the transcript with the video using Glifos Social Media software. These videos will then be completely searchable through the Glifos Social Media software. We will also be conducting our own interviews to add to the collection.

Julia Reid  
*Establishing an Archive*  
Austin Community College  
Faculty Supervisor: Megan Winget  
Field Supervisor: Mary Ann Bridges

Austin Community College opened to students in 1973. Since then it has experienced rapid growth, and today it serves over 40,000 students. My objective was to aid in the establishment of an institutional archive that would preserve the materials concerning the college's history. Over the course of four months, I worked with the institutional records department to create the foundation for this archive. While working on this project I took inventory of more than 100 boxes of historical materials. Materials included photographs, course catalogs, fact books, informational pamphlets, student and faculty publications, and enrollment records, among other items. This information was used to create spreadsheets and finding aids for the individual collections. My work culminated in the creation of a database containing all known information about the materials in the archive. Lastly, I made software recommendations for an archival records system that will meet the future needs of the archive. It is my hope that my work will provide the institutional records department the tools they need to maintain and continue to improve the archive at Austin Community College.

Jun Qian  
*Using Google Analytics to Improve the Usability of NCWIT Website*  
National Center for Women & Information Technology  
Faculty Supervisor: William Aspray  
Field Supervisor: Lecia Barker

NCWIT (National Center for Women & Information Technology) is a coalition of over 200 prominent corporations, academic institutions, government agencies, and non-profits working to increase women's participation in information technology. In my Capstone project, I used Google Analytics to improve the NCWIT website to better meet the visitors' needs. Google Analytics is a free service to track all sorts of information about the visitors to the website. Although the webmasters of NCWIT had set up a Google Analytics account for the site, they didn't take advantage of some powerful features from Google Analytics tool. According to the requirement of the stakeholders, the objective of my professional field experience was to address the following: (1) Creating new filters and figuring out how to screen out certain "service providers" or how to filter out internal hits to the site, (2) Setting up the Google Analytics site search, (3) Identifying what search terms people use when they come to the site, (4) Tracking visitors' behaviors, (5) Making suggestions for redesigning the website.

Doug Rice  
*Scholarly Communication Among Book and Paper Conservators*  
Master's Thesis  
Faculty Supervisors Karen Pavelka  
Second Reader: Gary Geisler

Book and paper conservation integrates several disciplines, including traditional handcrafts, hard sciences, and art and book history, each with distinct methodologies and epistemic cultures. In order to examine how book and paper conservators straddle these varied fields and their methods, a large scale survey was conducted to investigate the sharing of information within the field. This examination of both formal publication and informal, lateral communication was inspired by the work of sociologists of science such as de Solla Price and Diane Crane and their concept of invisible colleges. A sample of one hundred book and paper conservators was questioned on methods of information sharing and attitudes towards publication and topics such as peer review. The result shows a field with great respect for formal methods of publication but still largely centered around informal, lateral methods of information sharing. Based on the survey results, potential methods of information sharing that may be well suited to the singularities of the field are discussed.

Elizabeth Roberts

**A Survey and Plan for Digitizing Audiovisual Holdings**

The Dolph Briscoe Center for American History

Faculty Supervisor: Gary Geisler

Field Supervisor: Zach Vowell

The Dolph Briscoe Center for American History's collections are rich with reel to reel audio tapes, cassettes, 16mm film and even Beta-max video tapes. Many of the formats held at this institution are outdated and deteriorating and most are inaccessible to the public. It is imperative to the access and preservation of these audiovisual items that they be transferred to digital format. My project included two parts; the first was a comprehensive survey of the entire audiovisual holdings, the second was a preliminary draft of a plan to digitize these holdings. My survey was conducted by performing keyword searches on the entire database of accession records. I examined finding aids as well as actual boxes of materials for additional information. The results of my work this semester are a spreadsheet of all audiovisual holdings (including the collection name, type of material, location, and age) and a written plan to digitize these holdings modeled to fit into a variety of different grant applications. The goal is for the Center to use this information to attain a grant to purchase digitization equipment, supplies and staff in order to provide access to this wonderful assortment of audio and video.

Aaron Russell

**Dorothy Sloan Rare Books Texas County and Local History Catalogue**

Dorothy Sloan Rare Books

Faculty Supervisor: Melanie Feinberg

Field Supervisor: Everett Wilkie

This project consists of cataloguing approximately 1,000 items for an upcoming sales catalogue of books relating to Texas county and local history for Dorothy Sloan Rare Books (DSRB) of Austin, Texas. Tasks include properly describing books to generally accepted standards for the antiquarian book trade and to DSRB style, describing binding materials & methods, consulting appropriate bibliographies and on-line sources to interpret the information found in them as it relates to the copy in hand, and completing price research to determine the potential retail value of any item using internet sources, auction records, and DSRB's internal databases and records. The project will result in finished catalogue descriptions for these books, appropriate for use in DSRB's printed catalogues, website, and internal inventory database.

Blair Smith

**The Hackenschmidt Scrapbook Digitization Project**

H.J. Lutcher Stark Center for Physical Culture & Sports

Faculty Supervisor: Megan Winget

Field Supervisors: Jan Todd and Cindy Slater

This project was performed in cooperation with the H.J. Lutcher Stark Center for Physical Culture and Sports at the University of Texas and involved the digitization of a scrapbook by turn-of-the-century strongman, wrestler, and fitness author George Hackenschmidt. At over 600 pages total, the scrapbook contains newspaper clippings, photographs, and several small pamphlets from Hackenschmidt's professional wrestling career and dates from approximately 1902 to 1911. The scrapbook was scanned using a Digibook overhead scanner with book cradle located at the Perry-Castañeda Library. The scanned images were then reviewed and resized for publication with Adobe Photoshop prior to being uploaded onto the Stark Center webpage using Flash animation. Other deliverables for this project include a short biography to familiarize online users with the life of George Hackenschmidt, as well as a compilation of standard digitization best management practices for use by the Stark Center.

Kathlyn "Beth" Smyer

**Capturing Our Stories**

School of Information, The University of Texas at Austin

Faculty Supervisor: Loriene Roy

Field Supervisor: Arro Smith

For our Capstone project, Catherine Prazak and I are contributing to and organizing the Capturing Our Stories: Developing a National Oral History Program of Retiring/Retired Librarians collection. It is one of Dr. Roy's American Library Association presidential initiatives, and the program is being hosted by The School of Information at the University of Texas at Austin. This program conducts interviews with retired and retiring librarians to gather the stories of their careers and make them available to others online and through the American Library Association Archives, enabling a wide audience to learn from their experiences. For our portion of the project, we will be transcribing interviews that have already been conducted and syncing the transcript with the video using Glifos Social Media software. These videos will then be completely searchable through the Glifos Social Media software. We will also be conducting our own interviews to add to the collection.

Gesse Stark-Smith  
*Cataloging and Collection Development*  
Second Chance Books  
Faculty Supervisor: Melanie Feinberg  
Field Supervisor: Kathleen Houlihan

In the course of this project I have learned about the resources and users of the Austin Public Library's Second Chance Books program at the Gardner Betts Juvenile Detention Center. This library serves 11-17 year olds who are completing a rehabilitation program at the center. I have primarily focused on cataloging and collection development for this library. In addition to cataloging many of the work in the collection, I have also researched cataloging software options as the library may wish to transition to a more robust system. Using a wide variety of sources ranging from ALA's Youth Media awards to user surveys, I have compiled lists of recommended titles. These recommendations have been particularly focused on strengthening the Nonfiction, Spanish and Poetry collections. I have also had the opportunity to learn about library programming, by co-facilitating book clubs with the students.

Beau Steenken  
*Saint John d'El Rey Exhibit*  
The Nettie Lee Benson Latin American Collection  
Faculty Supervisor: Mary Lynn Rice-Lively  
Field Supervisor: Craig Schroer

The Benson Latin American Collection houses the Saint John d'El Rey archive. The British Saint John d'El Rey company operated gold mines in Brazil from the 1830s through the 1950s. Included in the archive are a series of photograph albums dating from the 1890s and the 1930s. My project took the form of a two-phase digitization of the photos. First, I created a narrative online exhibit for the Benson Collection. The exhibit featured forty-two scanned images curated into six sub-exhibits. I chose specific images to fit the themes of the exhibit and included narrative passages on the significance of the photographs for the exhibit and each sub-exhibit. Second, I installed Greenstone digital library software on the Benson's server as a means of effectively storing and providing access to a greater number of images than could be provided in the narrative site. I captured the second group of images using a digital camera. My project achieved two main goals. First, I added a perpetual online exhibit to the Benson's web-presence. Second, I evaluated different methods of digitization and implemented the one least costly in terms of time so that the Benson Collection can easily expand its digital holdings in the future.

Garrett Stettler  
*ApplyTexas Usability Study*  
Student Information Systems, The University of Texas at Austin  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Angela Svoboda

When applying to public colleges and universities in Texas, prospective students use the ApplyTexas Application for Admission, a Web-based software program. One goal of the ApplyTexas development team is to minimize user error and frustration, but in the past the team has not employed usability testing to help achieve that goal. The objective of my project was to conduct usability testing of the ApplyTexas software for the first time, collecting empirical data through observation of representative end users performing realistic tasks. I consulted with the ApplyTexas development team to determine priorities, set usability goals, and generate a task list. Once the team approved my plan for conducting test sessions, I recruited participants. Since a preponderance of ApplyTexas users are college- and university-bound Texas high school students, the bulk of test participants were recruited from various Texas high schools. When possible, these participants were tested at their respective high schools. Upon completion of test sessions, data were compiled and analyzed. Results and recommendations were presented to the ApplyTexas development team, both in person and in a written report.

Elizabeth (Elly) Stevens  
*Enhancing Languages of the Stage: Instruction and Innovation*  
Fine Arts Library, The University of Texas at Austin  
Faculty Supervisor: Gary Geisler  
Field Supervisor: Beth Kerr

Consider a first-year UT student enrolled in the Theatre Department's Languages of the Stage ("LOS") course. While their levels of passion and creativity may run high, their research skills may need some refinement. LOS is offered to undergraduate theatre and dance majors in an effort to provide students with the "analytical and research skills" necessary for both practitioners and scholars of the fine arts. The course is often a student's first introduction to college-level research, and provides an opportunity for problem-based library instruction sessions given by the Theatre/Dance Librarian, Beth Kerr. The goal of this project was to collaborate with librarians and faculty members to create online materials that supplement and enhance the library instruction sessions offered to students enrolled in the course. The end-products of this semester-long effort include a wiki focused on providing students with a one-stop-shop for their course research needs, as well as the incorporation of interactive, online tutorials to address information literacy objectives. The online tools created for this project can be utilized to enhance face-to-face library instructions sessions, posted to course management systems such as Blackboard, as well as included in the course syllabi and on the Fine Arts Library's website.

Sarah Stevens  
**A Bibliographic Guide to Women's Resources at the Austin History Center**  
The Austin History Center  
Faculty Supervisor: David Gracy  
Field Supervisor: Susan Ritterreiser

The Austin History Center strives to be the collective memory of Austin, housing the city's historical records alongside the papers of Austinites from all walks of life. Its holdings comprise over a million items, including archival collections, subject and biographical files, and an extensive photo collection. For this project, I created a bibliographic guide to resources at the Austin History Center that related to women and women's issues, making these resources more readily available for research. The center has similar guides for African American, Mexican American, and Asian American resources. Using the research tools offered at the center, I documented and assessed the pertinent materials. Then I created a descriptive guide to those resources, including annotations when appropriate. The guide will be made available for use in the center's reading room and online.

Tiantian Tan  
**Digitization of Rare Sound Recordings**  
The Society of Folk Dance Historians  
Faculty Supervisor: Chela Metzger  
Field Supervisor: Ron Houston

The primary objective of the project is to formulate a protocol for digitizing rare sound recordings in the Society of Folk Dance Historian (SFDH) archives and to digitize examples. The protocol will include locating the proper equipment for each format, cleaning and adjusting the equipment and phonograph records if necessary, playing back the phonograph records, digitizing the analog signal from the equipment, and capturing the digital signal in a stable format and with minimal loss of information (lossless compression). A set of unique sound recordings on obsolete formats will be digitized and stored in an electronic format so that they can be edited and published on the Web and optical discs for the purpose of redundant archival preservation. The formats include 7", 10", 12", and nonstandard phonograph records recorded at a wide variety of speeds. Another objective is to translate titles and instructions of couple of Chinese albums the archivist collected in the past.

Cory B. Welch  
**Fit for Use? An Analysis of Metadata Quality in GIS Datasets**  
The University of Texas at Austin Bureau of Economic Geology  
Faculty Supervisor: Glynn Harmon  
Field Supervisor: Ian Duncan

An ongoing problem in the utilization of GIS (geographic information system) datasets is determining the "fitness for use" of the particular dataset for application to a specific geographic problem. A number of federal agencies (e.g., USGS) have published metadata standards for GIS datasets. This project analyzes a sample of the metadata attached to USGS-published GIS datasets for information that can assist a geoscientist in easily determining the fitness for use of the dataset to their specific problem. In general, the metadata were not found to be of sufficient quality for making fitness for use determinations. These findings are further analyzed within the context of the existing metadata recommendations published by the USGS. Additional methods are examined to assist GIS data-collecting organizations in complying with the current standards or further improving upon these standards for increased usability by geoscientists working outside of the data-collecting organization. Finally, the websites administered by individual states serving these datasets are also examined for general usability and the degree to which the data are easily available to geoscientists.

Mary Beth Widhalm  
**The Texas Music Museum's Cultural Network and Live Exhibits**  
Texas Music Museum  
Faculty Supervisor: Patricia Galloway  
Field Supervisor: Clayton Shorkey

How many Austinites does it take to screw in a lightbulb?  
A dozen – one to screw in the bulb, and eleven to say it was better before.

This joke, taken lightly, pinpoints the city's unique ability to move easily into the future while still valuing its heritage and local history. The Texas Music Museum has been actively preserving Austin's rich musical past since 1984, compiling rare biographies, oral interviews, and artifacts of local musicians and hosting educational performances or live exhibits. This project serves as a first step – a flip of the switch – in widespread collaboration as a network among local historical, educational, musical, and cultural organizations devoted to preserving and promoting culture. Managing this project has taught me the daily and project-based administrative duties of a museum – rethinking exhibits, actively seeking support, navigating politics, and finding funding on a null budget. By breaking organizational boundaries, the network expands the idea of what it means to be a community museum and allows small, local organizations to have a much greater impact.

Geoff Willard

*Investigation Into Indexed Television Series Representation And Visualization*

School of Information, The University of Texas at Austin

Faculty Supervisor: Gary Geisler

Field Supervisor: Gary Geisler

Previous research into human indexing with the Glifos environment here at the iSchool has produced a handful of films broken down into constitutive parts on the basis of film grammar - music, sounds, motifs, sequences, scenes, shots, shot types, characters, scene types, and locations. The objective of this project is to gain insight into the similarities and differences of indexing and representing a television series based on previous experience indexing feature length films. Using Twin Peaks as my corpus, the pilot and first seven episodes (i.e. the first season) were indexed based on the units of analysis agreed upon for feature length films. Prototypes for a future user interface were then developed to show the possibilities afforded by structured data, with the assumption that new forms of representation and visualization will enable the student or scholar to engage with moving image material at a more granular level and heighten interpretive capability.

Ame Wongsa

*RNA2DMap: Interactive Visualizations in Bioinformatics*

Center of Computational Biology and Bioinformatics

Faculty Advisor: Gary Geisler

Field Advisor: Robin Gutell

Bioinformatics involves the application of information technology and data-rich computational methods to support scientific investigation of complex biological problems. This information-intensive approach to biological research produces large quantities of data thereby creating a need for visualization tools to facilitate data analysis. For my capstone, I worked with the Gutell Lab in the Center for Computational Biology and Bioinformatics at UT to create RNA2DMap, a web-based visualization application that assists scientists in exploring research data on the structure of RNA molecules. The main feature of RNA2DMap is an interactive 2-dimensional representation of an RNA molecule that serves as an interface to experimental and computational research data on RNA. The development of RNA2DMap involves technical implementation challenges as well as challenges in designing for demanding cognitive activities. As a result, user-centered design approaches such as stakeholder interviews, ongoing heuristic evaluations, iterative design, and usability testing has been instrumental in the development process of RNA2DMap. The outcome of this project will hopefully be an engaging tool that helps the research community produce insight into complex, multidimensional scientific data on RNA.

Joan Winter

*Designing the Infrastructure for Documenting Contemporary Landscape Architecture*

*Photography*

School of Architecture Visual Resources Collection, The University of Texas at Austin

Faculty Supervisor: Melanie Feinberg

Field Supervisor: Elizabeth Schaub

A website documenting contemporary landscape architecture will create a centralized image resource through user submissions of personal photo collections and descriptive data. The site will include features to facilitate browsing and exploration as visitors search for case studies and design precedents. In contributing personal images from international travels, the university community will create over time a comprehensive image collection of contemporary landscape architecture sites. As new photos accrue, the site will become both an archive of the historical and assemblage of the contemporary. The project uniquely bridges pedagogical use, collection development and innovative technologies. My participation includes the design and implementation of the site in collaboration with the Visual Resources Collection at the School of Architecture, the Landscape Architecture Department and ~FAST Tex technologists. I conducted user research with architecture students and created a design document with high fidelity wire frames, content models, metadata schemes, and strategy for assessment (drawing on use of the site by graduate students and by the general quality and quantity of images, metadata, and bibliographical data). Design and planning took place this spring and ~FAST Tex technologists will implement the site in fall 2010.