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## Supporting the curriculum with digital collections

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**Abstract:** This presentation is based on our university's experiences creating two collections of digital items for classroom use. Each of these collections has entailed collaborating with a partner outside the university community, as well as faculty within the university, and each has presented a different set of opportunities and challenges. The first example is a collection of videos digitized from VHS tapes, composed of interviews with survivors of the 1939-1945 Holocaust. These are being used as source materials for students, who create themed A/V essays from edited portions of the). The second example is a set of sacramental mission records spanning the 17<sup>th</sup> to the 19<sup>th</sup> centuries. This population recorded included indigenous peoples, Spanish residents, and Anglo immigrants. They are being used as source material for students doing historical research on population trends in the area. Best practice/implementation issues include intellectual property, security, digitizing, and metadata.

### Supporting the curriculum with digital collections

Traditionally, libraries have furnished storage and organization of intellectual content, while providing public access to them. In the last couple of decades, though, this role has evolved, largely through the application of emerging technologies in networking, storage, and increasingly user-friendly discovery and retrieval interfaces (Franklin et al., 2006). Now they offer access both onsite and from remote locations, serve as preservation centers by digitizing materials, and disseminate items that they do not house themselves. This ability to organize and consolidate the discovery of materials from many locations has increased their value as centers of research.

Digital libraries are a recent product of this evolution. Vannaver Bush was probably the first to predict what we now consider the digital library, in his 1945 article *As We May Think*, but it wasn't until the 1990s, with the rise of the Internet and the graphical World Wide Web, that serious practical applications of digital libraries developed. The Library of Congress's American Memory (Mission and History, 2009) is an early example of the evolving ability to create a digital library of primary source material. In California, our local consolidation of source items is called Calisphere, a production of the University of California. This service draws content from many venues throughout the state, and is organized to serve K-12 educators, with themed collections, sample lesson plans, and links to further resources (Calisphere, n.d.).

While many digital libraries collect and present items of interest to educators, there are ways to expand the usefulness of such libraries. In an AACE symposium in 2006, Franklin et al. discussed how technological support was making it more feasible to provide primary materials for classroom use (Franklin et al., 2006). This presentation will offer examples of how Santa Clara University Library has begun to add this role to its mission.

### Library/Faculty partnerships

Academic libraries have a long history of partnering with faculty in such areas as material selection, information literacy teaching, and topic-focused research training modules. SCU Library, through its Digital Initiatives Department, has begun a different sort of partnering: constructing custom digital collections of digitized primary source materials for course use. Santa Clara is considered as primarily a teaching university, so while the Library has an ongoing commitment to the digital preservation of its archival and special collections materials, it also understands the need to support the teaching mission of the school. Two examples of this support, each with a unique set of opportunities and challenges, are the Holocaust Oral History Project and the Mission Santa Clara Sacramental Records.

## Holocaust Oral History Project

This collection was an outgrowth of collaboration between the SCU English Department and the Bay Area Holocaust Oral History Project (BAHOHP). BAHOHP had been conducting interviews with San Francisco Bay Area Holocaust survivors for nearly a decade, recording the interviews first on audiotapes and later on VHS videotapes. For several years, students in an advanced SCU writing class had been checking the VHS tapes out from BAHOHP's administrative office, watching them, and abstracting the interview content as a class assignment. This process had some limitations. The use of a variety of consumer-grade players used for playback was damaging to the tapes. As time went on, fewer students even had access to videotape players. The process of viewing analog tapes for abstracting purposes was cumbersome. The instructor felt there was more value to be gotten from such rich primary sources, but that this extra value was difficult to extract using the analog versions of the interviews.

The Library's Digital Initiatives department, in meetings with the instructor and BAHOHP representatives, developed a new model for using the interviews in the class. The Library agreed to create a collection of the tapes in streaming digital format, presenting the collection along with bibliographic and descriptive information to which the students could add their content abstracts. At the same time, DVD versions of the tapes would be produced. In addition to abstracting the tapes, students would utilize the digital versions of the interviews to create audio-visual essays on a particular survivor, or on a subject or theme drawn from interviews with several survivors. These digital essays would incorporate content from the interviews, as well as related photo, video, and audio reference material from other sources.

This project led to establishing another partnership, between the Library and Media Services, a university department specializing in implementing technologies for curriculum use. Media Services digitized the tapes using the H.264/MPEG-4 AVC compression standard, and placed them on SCU's streaming media server as QuickTime video files. Metadata was created using information derived from BAHOHP's FileMaker data fields; a study of emerging digital video metadata standards led to the choices for collection field names and the Dublin Core fields to which they were mapped. These fields would constitute the bibliographic records for the interviews:


Title: DC Map - Title; Interviewee: DC Map - Creator; Interview Date: DC Map - Date; Interviewer: DC Map - Contributors; Videographer: DC Map - Contributors; Interview Summary: DC Map - Description; Interview format: DC Map - Format; Digital format: DC Map - Format-Medium; Language: DC Map - Language; Type of experience:; DC Map - Description; Length of interview: DC Map - Format-Extent; Subject: DC Map - Subject; Publisher: DC Map - Publisher; Type: DC Map - Type; URL (of video on streaming server): DC Map - Format; Source: DC Map - Source; Copyright: DC Map - Rights; 18. Access: DC Map - Rights; Identifier: DC Map - Identifier.

This is the resulting appearance of a publicly accessible item record:

[home](#) : [browse](#) : [advanced search](#) : [preferences](#) : [my favorites](#) : [about](#) : [help](#)

UNIVERSITY LIBRARY DIGITAL COLLECTIONS

HOLOCAUST ORAL HISTORIES



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Andrew Newman; 2004-06-21

[Access this item.](#)

Title	Andrew Newman; 2004-06-21
Interview Date	2004-06-21
Interviewer	Wilde Gattmann; Anne Grenn Saldinger
Videographer	Anne Grenn Saldinger
Interview Summary	Forced labor in Hungary and Poland; Prisoner of war in Soviet Union, Gulag. Andrew was born in 1922, in Budapest, Hungary to Imre and Ella. He describes his childhood and family life in Budapest in detail. He discusses his first experiences with anti-Semitism, which began in 1938 with Kristallnacht. Anti-Semitism increased as Hitler became more influential and when the leadership in Hungary changed. Jewish people could not work in fewer occupations. The yelling of Hitler bothered him most because he knew his purpose was to ostracize Jews. In 1942, Andrew's mother died of cancer. In 1943, Andrew was forced into the Hungarian army as a slave laborer. As a Jew, Andrew was forbidden to handle a gun and was required to wear a yellow band to identify himself. He describes the torture the army inflicted on its Jewish members. His forced labor in the army included building a railroad to help the Hungarian troops go through the Carpathian Mountains. He went to the Russian front in 1944 as a result of building the railroad. Then in July of 1944 he escaped from the Hungarian army during a retreat at Galica, and he hid in the ruins. Later, he was captured by the passing Russian army and he became a Russian POW. Andrew spent two years as a Russian POW, first reading in Kideff and then Moscow. In Kideff, Andrew taught himself Russian from a German-Russian dictionary while working at an electrical power plant. At the plant, he was required to turn the Russian history textbooks because they wanted to change the history written in them after Russian leadership changed. In 1946, Andrew was taken to Moscow. Because of Andrew's knowledge of Russian, in Moscow he became a translator for the Russian CIA. The laborers sent to Moscow were promised to be returned to their homes in Hungary after a year had passed, but, in 1947, Andrew and the other workers were still in Moscow. Later in 1947, Andrew organized all of the Hungarian and German POWs for a strike. He was punished by the Russians by being placed in a basement by himself, which he describes in detail. As a result of his punishment, Andrew was sentenced to ten years in a Russian Gulag, one of many forced labor camps in the Soviet Union, in which prisoners are surrounded by barbed wire, dogs, and observation towers. A short time after his sentencing, Andrew was sent by a Russian guard to Karaganda, Siberia (actually Kazakhstan). Andrew describes the required labor and harsh conditions at Karaganda in detail, as well as his cherished free time which he spent painting. In March of 1951, Andrew was released and brought home by the Hungarian government. He discusses his trip home in detail as well as his feelings about Hitler and the Soviet Union after his release. Andrew brings up how it feels to be without freedom and to be kept in complete darkness of current events around the world. When Andrew arrived home in 1952, he found his house in tact. His father, brother, and one of his uncles were alive. He describes how each of his surviving family members managed to stay away from the Nazis, and then discusses briefly, but does not name, his family members, who died in concentration camps. Shortly after his release in 1951, Andrew got a job through his uncle as a translator for engineers in Budapest. Andrew married and had two children, but later divorced his first wife. His ex-wife decided to move to the United States without him, but Andrew could not part with his children. He moved to the United States (he states) in 1955. (Other documentation indicates this happened in 1960). He discusses in detail the complex relationship he has with his ex-wife, since they married, divorced, remained, and divorced again, and how this affected him. Andrew first arrived in Pittsburgh, PA, and got a job as a draftsman. But he quickly moved to San Francisco, California where he got his engineering degree and continued to work as a draftsman. Also in California, Andrew met his current wife to whom he has been married for 34 years.
Interview format	Video
Digital format	Quicktime; MPEG-4
Type of experience	Concise
Subject	Holocaust; Jewish (1939-1945)--Personal narratives
Publisher	Holocaust Center of Northern California
Type	moving image
Source	ba00023; DVD from VHS videotape
Copyright	Copyright 2008 Holocaust Center of Northern California, Inc. All Rights Reserved.
Access	The material you are about to view is of a personal and sensitive nature. By viewing this oral history you acknowledge that this oral history is the property of the Oral History Project at the Holocaust Center of Northern California (OHP) and its license and is protected by United States copyright law and international treaties. It is solely provided for educational and non-commercial purposes. Contacting the speaker or his or her family is strictly prohibited. You may not copy or modify this oral history, in whole or in part, without the prior written consent of OHP. For further information, please contact OHP at <a href="mailto:ohp@hcnrc.org">ohp@hcnrc.org</a> .

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Mapping the metadata to standard Dublin Core fields was important. SCU exposes the metadata of its digital collections for harvesting by a variety of agents, including OCLC's WorldCat, which recreates digital collections on its website (What is WorldCat, 2009) and registries of Open Access repositories, which compile metadata and link to collections at their sources (Registry, n.d.). These harvesting agents depend on Dublin Core metadata as a lowest common denominator to organize the wide varieties of collections they gather. It is through agents like these (and, of course, Google) that intellectual content is disseminated throughout the world with groups of related items discoverable together.

During the first year of the initial phase of the project, its innovative nature exposed our areas of inexperience: Media Services was not used to working to spec on a timetable for a large number of items, our legal department had little experience in negotiating intellectual property agreements with an outside partner, the course instructor was not "tech-savvy", and the students had received no prior training in digital editing or the proper citing of the additional audio and video resources used in their essays. These issues were addressed in the second year of the project: there is now a digital lab module, taught by Media Services, included as a component of the course, a Subject Specialist from the Library offers training on research and citation, and serves as an on-call resource for students' questions on research, and Media Services has installed a new, automated digital video hardware/software workflow and server. The bibliographic records (including the student abstracts of interview contents) are available to the public on the collection website at <http://contentdm.scu.edu/hohp>, while the video interviews themselves are restricted to students and qualified researchers who can register to access the content - a solution worked out between the legal departments of SCU and the non-profit organization of which BAHOP is now a part. This arrangement answers the Library's need to fulfill its role as a repository and access point for its intellectual resources, and the non-profit's concerns for interviewee privacy and security. Assessment scores for students have realized a significant increase since the start of the project, both in objective learning outcome scores and subjective evaluations of engagement with the subject and material. Many students have formed a strong emotional bond with "their" subjects through the experience of listening to their stories in the interviews and creating their video essays based on the subjects.

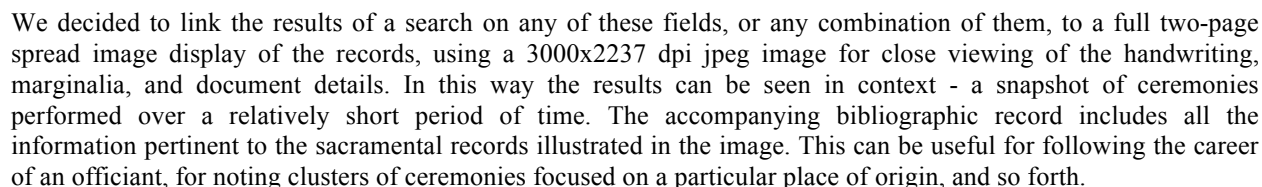
## **Mission Santa Clara Sacramental Records**

This collection was the result of collaboration among SCU's Library, Archives and Special Collections Department, and History Department, and the Huntington Library and Research Center in San Marino, California. The Huntington has a web-accessible relational database of records from various California missions, called the Early California Population Project, primarily targeted to genealogical and historical researchers. SCU Archives and Special Collections Department has handwritten volumes of the records of sacramental ceremonies performed at the Mission between 1777 and 1850. These include baptisms, marriages, and burials. SCU and the Huntington reached an agreement in which the Huntington digitized these records, giving SCU a copy of the digital versions as well as metadata spreadsheets drawn from their complex relational database of record information. The digital images were supplied in .tif, .jpg, and .pdf format. The Huntington's copies of the digital image versions have enriched the ECPP, which until the inclusion of the images offered only transcriptions of the records in response to database queries.

The major challenge for SCU on this project was to determine, from the Huntington's set of complex relational database fields and tables, which information we could extract and translate into metadata for use in our flat field, text-indexed image collection software. Collaboration between Archives and Special Collections and Digital Initiatives produced a rich set of bibliographic and technical metadata describing the records:

Title: DC - Title; Officiant: DC - Creator; Baptism Date: DC - Date; Record Number: DC - None; Description: DC - Description; Marriage Date: DC - Date; Burial Date: DC - Date; Subject: DC - Subject; Spanish Name: DC - Subject; Surname: DC - Subject; Groom Spanish Name: DC - Subject; Groom Surname: DC - Subject; Bride Spanish Name: DC - Subject; Bride Surname: DC - Subject; Geographic Location: DC - Coverage-Spatial; Place of Origin: DC - Coverage-Spatial; Groom's Place of Origin: DC - Relation; Bride's Place of Origin: DC - Relation; Sacramental Officiant: DC - Subject; Godfather: DC - Subject; Godmother: DC - Coverage; Repository Name: DC - Publisher; Notes: DC - None; Collection Title: DC - Relation-Is Part Of; Format: DC - Format-Medium; Source ID: DC - Source; Source Type: DC - Type; Language: DC - Language; Rights: DC - Rights; Scanner: DC - None;

Here is an item record:



There are additional synergies made possible by these types of collections. SCU's Anthropology Department has expressed interest in the Sacramental Records collection, suggesting that combining GIS (Geographic Information Systems) data with the records could visually enhance the depiction of geographical ethnic population shifts over the time span covered by the records. The Religion Department has conferred with the English instructor using the Oral History collection to examine the possibility of using the interviews in other classes.

## Conclusion

Preserving the intellectual content of archival or special collections material through digitization is in itself a worthy goal for academic libraries. It allows a wide dissemination of the material through networked interfaces, and protects the original rare or fragile items from overuse. But the value of the materials, and of the library, is enhanced when these items can be directed toward a specific curricular use. The library becomes an active and engaged educational partner, and the materials take on a new life and purpose.

## References

Bush, V. (1945, July). As we may think. *Atlantic Monthly*, 176 (1), 101-108.

*Calisphere - About Calisphere*. (2009). Retrieved September 18, 2009, from <http://www.calisphere.universityofcalifornia.edu/about-cs.html>

Franklin, C., Bolick, C., Lee, J., Friedman, A., Molebash, P., Hicks, D., Waring, S., Doolittle, P. & Snediker, T. (2006). Teaching Teachers to Use Digital Primary Source Materials in Social Studies: A Symposium, Part 2. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2006*, 4093-4097. Chesapeake, VA: AACE.

*General Information*. (2006). Early California Population Project. Retrieved September 16, 2009, from <http://www.huntington.org/Information/ECPPmain.htm>

*Holocaust Oral History Project*. (2009). Santa Clara University Library Digital Collections. Retrieved September 14, 2009, from <http://Contentdm.scu.edu/hohp>

*Mission and History (American Memory from the Library of Congress)*. (n.d.). Retrieved September 15, 2009, from <http://memory.loc.gov/ammem/about/index.html>

*Mission Santa Clara Sacramental Records*. (2009). Santa Clara University Library Digital Collections. Retrieved September 16, 2009, from <http://Contentdm.scu.edu/mission>

*Overview – CONTENTdm*. (2009). OCLC. Retrieved September 16, 2009, from <http://www.oclc.org/contentdm/overview/default.htm>

*Registry of Open Access Repositories (ROAR)*. (n.d.). Retrieved September 16, 2009, from <http://roar.eprints.org/>

*What is WorldCat? [WorldCat.org]*. (2009). Retrieved September 16, 2009, from <http://www.worldcat.org/whatis/default.jsp>