Creating a Video Collection Using CONTENTdm

Chuck Olin
Digital Film Archive Collection

Myung-Ja Han & Nathan Yarasavage
University of Illinois at Urbana-Champaign
Collection Background:

• Production elements from two PBS- broadcasted documentaries
  – In Our Own Hands: The Hidden Story of the Jewish Brigade in World War II
  – Is Jerusalem Burning? Myth, Memory and the Battle of Latrun

• Unedited raw interview footage not used in documentary. Primary source material.

• Donated to the University of Illinois in 2005 from Chuck Olin Associates based in Chicago
Considerations in Planning the Project:

- Copyright
- Condition of the originals
- Deliverables
  - Access
  - Preservation
- Server Space
- Access System
- Metadata
- Staff & Expertise
- Funding
Chuck Olin Digital Film Archive

- Pilot Video Digitization Project (8 interviews)
- Funded by an internal Library grant
- Consultations with Subject Specialists, Preservation, Metadata, and Digital Services Departments
Digitization:

• Vendor (Vidipax) created files:
  
  .avi (for preservation)
  .mpg (for access)
  .wmv (for access)
Access:

• Library Catalog (MARC records)

• Web Site

• CONTENT dm

• Metadata Harvesters (Illinois Harvest)
Title: Chuck Olin Digital Film Archive [electronic resource]
Published: Urbana, IL : University of Illinois at Urbana-Champaign Library, 2006
Physical Description: Mode of access: World Wide Web

Related URL: http://www.library.uiuc.edu/hpnl/Olin/index.html

Subject (LCSH): Israel-Arab War, 1948-1949 --Jerusalem Libraries --Special collections --Digitization

Other Name: Olin, Chuck direction, production, writing.
Cooper, Chuck production
Palm, Matthew production, writing.
Chuck Olin Associates
University of Illinois at Urbana-Champaign Library

Notes: Contains a digitized video collection of interviews with participants in the Jewish Brigade and the Battle at Latrun in 1948 from the documentaries, "In Our Own Hands: The Hidden Story of the Jewish Brigade in World War II" and "Is Jerusalem Burning? Myth, Memory, and the Battle of Latrun."
Includes transcripts.
Interview with Hanoch Bartov, Johanan Pelz, Oly Givon, Shlomo Shamir, Haim Einay, and Yitzchak Moore.

Persistent link to this page: https://i-share.carli.illinois.edu/uiu/cgi-bin/Pwebrecon.cgi?DB=local&v1=1&BBRecID=5791425

Institution: University of Illinois at Urbana-Champaign Library
Location: *UIUC Online Collection
Call Number: Online Resource -- Text me this call number
Copy: 1

Related URL: http://www.library.uiuc.edu/hpnl/Olin/index.html
http://www.library.uiuc.edu/hpnl/Olin/index.html

URL to project web site
Chuck Olin Digital Film Archive

Digital Video Interviews

First-hand Accounts from the Jewish Brigade

About the Archive

This collection consists of production elements from two PBS-broadcast documentaries, "In Our Own Hands: The Hidden Story of the Jewish Brigade in World War II," and "Is Jerusalem Burning? Myth, Memory and the Battle of Latrun." Both films, relying primarily on first-person accounts, tell the story of critical episodes in the formation of the nation-state of Israel. (...more)

About Chuck Olin

Chuck Olin, filmmaker from Chicago, spent over twenty-five years producing and directing documentaries across a wide-range of subject areas while also producing special project films for corporate, healthcare, educational and institutional clients. (...more)

Meet the Jewish Brigade

Officially formed in 1944, the Jewish Brigade was a division of the British Army during World War II. Originally comprised primarily of Middle Eastern Jewish men, the brigade eventually expanded to include non-Jewish men from over fifty countries.

Meet some of the men that made up this incredible group and hear, first-hand, their stories. (...more)

Search the Digital Archive

Either browse the archive or search through the titles and descriptions of the videos in our digital repository
<table>
<thead>
<tr>
<th>Image</th>
<th>Title</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Image" /></td>
<td>Haim Einav Interview</td>
<td>Israel-Arab War, 1948-1949--Jerusalem; Israel-Arab War, 1948-1949--West Bank; Lefun; Jerusalem--History--Siege, 1948; Lefun--History--Siege, 1948; Israel--History, Military;</td>
<td>Einav discusses his experience during the battle.</td>
</tr>
<tr>
<td><img src="image2" alt="Image" /></td>
<td>Menach Bartov Interview</td>
<td>Great Britain--Army--Jewish Brigade; Refugees; Jewish--Europe--History--20th Century; World War, 1939-1945--Jews--Rescue; World War, 1939-1945--Participation, Jewish; World War, 1939-1945--Personal narratives, Jewish;</td>
<td>Bartov discusses his experiences with the Germans during the war. He also tells of looking for Jews after the war ended and their surprise at having Jewish soldiers rescuing them.</td>
</tr>
<tr>
<td><img src="image3" alt="Image" /></td>
<td>Johan Peltz Interview</td>
<td>Great Britain--Army--Jewish Brigade; World War, 1939-1945--Jews--Rescue; World War, 1939-1945--Participation, Jewish; World War, 1939-1945--Personal narratives, Jewish; Zionism--History--20th century;</td>
<td>Peltz discusses the feeling of vengeance and revenge against the Germans. Also discussed is the role of the Jewish Brigade in bringing Jews to Israel and the creation of the Jewish state.</td>
</tr>
<tr>
<td><img src="image4" alt="Image" /></td>
<td>Oly Given Interview</td>
<td>Great Britain--Army--Jewish Brigade; World War, 1939-1945--Participation, Jewish; World War, 1939-1945--Personal narratives, Jewish;</td>
<td>Given discusses how he was chosen to go to the Palmach and going undercover searching for the Nazis.</td>
</tr>
<tr>
<td><img src="image5" alt="Image" /></td>
<td>Shlomo Shamir Interview (Part I)</td>
<td>Israel--History, Military; Israel-Arab War, 1948-1949--Jerusalem; Israel-Arab War, 1948-1949--West Bank; Lefun; Jerusalem--History--Siege, 1948; Lefun--History--Siege, 1948;</td>
<td>Shamir discusses preparations and preliminary training at Tel Hashomer, Ha'alan and Hulda. He also discusses the reason for the late start of the first operation.</td>
</tr>
</tbody>
</table>
Oly Givon Interview

Oly Givon discusses how he was chosen to go to the Palmach and going undercover searching for the Nazis.

Associated People:
- Shlomo Shamir, Abba Kovner

Subject:
- Great Britain: Army - Jewish Brigade
- World War, 1939-1945 - Participation, Jewish
- World War, 1939-1945 - Personal narratives, Jewish

Time period discussed: 1943-1945

Geographical places discussed:
- Europe; Italy; Belgium; Austria

Type: Video

File Format: Video

File Name: 003.rv

Run Time: 30:45 minutes

Collection: Chuck Olin Digital Film Archive http://www.library.uiuc.edu/hpn/Olin/

Rights: Digital Reproduction by History, Philosophy and Newspaper Library, University of Illinois at Urbana-Champaign.

Other Format (Windows Media): http://images.library.uiuc.edu:8090/sexgen/olin/003.wmv
Customizing CONTENTdm

Why Embedded Media Player?

• Allows users to view video alongside metadata.

• Reduces reliance on external media viewer (may still need to install browser plug ins)
Customizing CONTENTdm

How We Embedded the Real Media Player in CONTENTdm (version 4.3)

• Convert file to real video format

• Load file onto server


• Modify `basic_view.php` (local CONTENTdm file)
Customizing CONTENTdm

Modifying \texttt{basic\_view.php}

- Php function to check file extensions of all URLs added to a collection.

- If URL has extension \texttt{.rv} or \texttt{.mp3}, display embedded media player (using modified code from REAL.com) instead of a link to external player.

Acknowledgement
Matt Cordial
Research Programmer
(now at Univ. of Arizona)
<?

// begin UIUC changes
// check to see if this is a link
$file_ext = substr($filename,-3);
if ($file_ext == 'url')
{
// if it is a link, see if the link points to a real media file or an mp3
$shortcut_handle = fopen($filename, "r");

//open the shortcut file which contains the URL of the video stream
if ($shortcut_handle) {
    while (!feof($shortcut_handle)) {
        $buffer = fgets($shortcut_handle);
        if ($p = strpos($buffer, "http:")) {
            //parse out the URL if it is available
            $stream_link = rtrim(substr($buffer, $p));
            //parse out the extension [last 3 characters -- can include the "." for 2 character extensions i.e. real video(.rv)]
            $link_ext = substr($stream_link, -3);

        }
    }
}
fclose($shortcut_handle);
}

// end UIUC changes
case "item_viewer.php":
....

else {

    // begin UIUC changes
    if ($link_ext == ".rv" || $link_ext == "mp3") {
        // embed the realplayer
        // if the link has a video component -- add the video object
        if ($link_ext == ".rv") { ?>
            <object id="vid" classid="clsid:CFCDAA03-8BE4-11cf-B84B-0020AFBBCCFA" height="240" width="320">
                <param name="CONTROLS" value="ImageWindow" />
                <param name="AUTOSTART" value="false" />
                <param name="Console" value="vidplayer">
                <param name="SRC" value="<?=$stream_link?>" />
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                src="<?=$stream_link?>?embed"
                type="audio/x-pn-realaudio-plugin" autostart="false" />
                </object><a href="<?=$stream_link?>">Play with Real Player</a></noembed>
            </object>
        <br clear="left" />
    } else {
        <object ID="vid" CLASSID="clsid:CFCDAA03-8BE4-11cf-B84B-0020AFBBCCFA" width="320" height="36">
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            </object><a href="<?=$stream_link?>">Play with Real Player</a></noembed>
        </object>
    } // end UIUC changes
}
Custom Thumbnail

1. Haim Einav
   Interview
   Israel-Arab War, 1948-1949--Jerusalem; Israel-Arab War, 1948-1949--West Bank--Latrun; Jerusalem--History--Siege, 1948; Latrun--History--Siege, 1948; Israel--History, Military;

2. Hanoch Bartov
   Interview
   Great Britain--Army--Jewish Brigade; Refugees, Jewish--Europe--History--20th Century; World War, 1939-1945--Jews--Rescue; World War, 1939-1945--Participation, Jewish; World War, 1939-1945--Personal narratives, Jewish;

3. Johanan Peltz
   Interview
   Great Britain--Army--Jewish Brigade; World War, 1939-1945--Jews--Rescue; World War, 1939-1945--Participation, Jewish; World War, 1939-1945--Personal narratives, Jewish; Zionism--History--20th century;

- Screen capture of video playback (CTRL + Print Screen)
- Paste screen capture into photo editor (Photoshop)
- Crop as necessary (CONTENTdm will re-size)
- Save as .jpg or other image file
Adding Items to Collection

Add URL path to video file

Add Custom Thumbnail
Metadata

Resource Discovery
Resource Management
Resource Sharing
## Digitizing Non-Book Resources

The *Heritage Health Index Report* was published in 2006.

### Type of Resource

<table>
<thead>
<tr>
<th>Type of Resource</th>
<th>Volume</th>
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<tr>
<td>Books/Bound Volumes</td>
<td>1.7 billion</td>
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<tr>
<td>Microfilm/Microfiche</td>
<td>1 billion</td>
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<tr>
<td>Natural Science Specimens</td>
<td>820.2 million</td>
</tr>
<tr>
<td>Photographic Collections</td>
<td>727.4 million</td>
</tr>
<tr>
<td>Archaeological Collection, individually cataloged</td>
<td>197.8 million</td>
</tr>
<tr>
<td>Unbound Sheets, cataloged in items</td>
<td>95.8 million</td>
</tr>
<tr>
<td><strong>Recorded Sound</strong></td>
<td><strong>46.4 million</strong></td>
</tr>
<tr>
<td>Unbound Sheets, cataloged in linear feet</td>
<td>43.6 million</td>
</tr>
<tr>
<td><strong>Moving Images</strong></td>
<td><strong>40.2 million</strong></td>
</tr>
</tbody>
</table>
• Supports:
  Dublin Core (Simple and Qualified)
  VRA Core
  Locally Created Unique Fields

• Metadata is Shared through
  OAI-PMH
  WorldCat
  Z39.50
Dublin Core

- Simple and Easy to Use
- Works Well with Simple Object such as Describing Web Pages and Images
- Can export metadata as is via OAI-PMH
Audio/Video Materials Needs More Complex Elements to Make the Resource Accessible in the Future

- Administrative Metadata
- Technical Metadata
- Preservation Metadata
MPEG-7 (1)

- ISO/IEC standard developed by MPEG (Moving Picture Experts Group)

- “Standard for describing the multimedia content data that supports some degree of interpretation of the information meaning, which can be passed onto, or accessed by, a device or a computer code.”

http://www.chiariglione.org/mpeg/standards/mpeg-7/mpeg-7.htm
MPEG-7 (2)

• Two Description Tools
  – Descriptors To Describe Individual Elements
  – Description Schemes To Describe the Relationships Between Various Descriptors and/or Other Description Schemes
MPEG7 and Dublin Core

• Crosswalk is Available
  “An Application Profile which combines Dublin Core and MPEG-7 Metadata Terms for Simple Video Description”

http://metadata.net/harmony/video_appln_profile.html
## Crosswalk from MPEG 7 to DC

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<tr>
<th>DC Element</th>
<th>Definition</th>
<th>MPEG-7 Path</th>
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<tr>
<td>Title</td>
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<td>An entity primarily responsible for making the content of the resource.</td>
<td>CreationInformation/Creation/Creator[RoleName=&quot;creator&quot;]/Agent/Name</td>
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<tr>
<td>Subject</td>
<td>The topic of the content of the resource</td>
<td>Classification/Subject</td>
</tr>
<tr>
<td>Description</td>
<td>An account of the content of the resource</td>
<td>Classification/Abstract</td>
</tr>
<tr>
<td>Publisher</td>
<td>An entity responsible for making the resource available</td>
<td>UsageInformation/Availability/Dissemination/Disseminator[Role=&quot;Publisher&quot;]</td>
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<tr>
<td>Contributor</td>
<td>An entity responsible for making contributions to the content of the resource</td>
<td>CreationInformation/Creation/Creator[RoleName=&quot;contributor&quot;]/Agent/Name</td>
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<td>A date associated with an event in the life cycle of the resource</td>
<td>CreationInformation/Creation/CreationCoordinates/Date</td>
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<td></td>
<td>Description/Metadata/CreationTime (date at which MPEG-7 metadata description was created)</td>
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<tr>
<td></td>
<td></td>
<td>UsageInformation/Availability/AvailabilityPeriod (date, time and duration of broadcast or date of publication if availability is known)</td>
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<tr>
<td>Type</td>
<td>The nature or genre of the content of the resource</td>
<td>Classification/Genre</td>
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<tr>
<td>Format</td>
<td>The physical or digital manifestation of the resource e.g., file format or mime type</td>
<td>MediaInformation/MediaProfile/MediaFormat/Format</td>
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<tr>
<td>Identifier</td>
<td>An unambiguous reference to the resource within a given context</td>
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<td></td>
<td></td>
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<tr>
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<td>A reference to a related resource</td>
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<td>Information about rights held in and over the resource</td>
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<td></td>
<td></td>
<td>UsageInformation/Rights/RightID</td>
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</tbody>
</table>
PB Core

- Public Broadcasting Metadata Dictionary
- Control Production and Distribution
- Ability to Transmit Only Certain Segment of a Program
Issues

• Do we need to use MPEG7?
  – Has Useful Elements, Especially for Technical Metadata
    • Not Easy to Use
    • Not User Friendly

• Do we need to use PB Core?
  – No need to describe segment level
  – No need for production/distribution
Standards or specifications of applications.
Designing metadata records that does not require the use of metadata terms defined by DCMI
Can use *any* terms that are defined on the basis of RDF, combining terms from multiple namespaces as needed
Increase **Interoperability**

Application Profile (2)

• How to Create Application Profile?
  – Singapore Framework
    Framework for designing metadata applications for maximum interoperability and for documenting such applications for maximum reusability.

http://dublincore.org/documents/singapore-framework/
Metadata for Olin Collection

• Start from MARC Format Records
  - Mapping to Dublin Core
• Add Local Fields for Administrative Purposes
• Create a Template

Published: Chicago, IL : Chuck Olin Associates, c2005.

Physical Description: 1 videodisc (52 min.) : sd., col. ; 4 3/4 in.

Summary: Examines the fateful battles of Latrun, fought during Israel's 1948 War of Independence. Offers an exploration of the myths those battles spawned, and what they mean for Israel today. Has interviews with veterans of the battles, including Ariel Sharon, along with dramatic archival film and photos and original footage of the plains of Latrun.

Subject (LCSH): Israel-Arab War, 1948-1949 --Jerusalem.
Israel-Arab War, 1948-1949 --West Bank --Latrun.
Jerusalem --History --Siege, 1948.
Latrun --History --Siege, 1948.

Other Name: Olin, Chuck.
Palm, Matthew.
Chuck Olin Associates.

Persistent link to this page: https://i-share.carli.illinois.edu/uui/cgi-bin/Pwebrecon.cgi?DB=local&v1=1&BBRecID=5160291
## Metadata for Olin Collection

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Added Information

- Preservation Copy Location
- Encoded File Name
- Vendor Information for Future Reference
- Transcript Text* (Requires OCR Extension)
Mapping to Dublin Core

- What to Keep in Local Environment
- What to Hide from Local Users
- What to Expose to Aggregators
- What Dublin Core elements should use
  - Qualified vs. Simple
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## Metadata

### Patron View:

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Linking Resources

- CONTENTdm Collection
  <http://images.library.uiuc.edu/projects/>
- History, Philosophy and Newspaper Library
  <http://www.library.uiuc.edu/hpnl/Olin/>
- Collection Record in OCLC and OPAC
- Illinois Harvest
  <http://illinoisharvest.grainger.uiuc.edu/>
- Available to Aggregators through OAI-PMH
Readings

- MPEG7
  http://www.chiariglione.org/mpeg/standards/mpeg7/mpeg-7.htm
- PB Core
  http://www.pbcore.org/PBCore/index.html
For more info…

Visit the Chuck Olin Digital Film Archive

www.library.illinois.edu/hpnl/Olin/

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