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www.NHAG.org



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www.NHAG.org

**Portsmouth Public Library
Special Collections**

**Planning for Obsolescence:
Microfilm & Newspapers**

- 2017 Switched to digital microfilm readers before our old one died
- 2019 Began researching digital newspaper options to increase access
- 2022 ViewScan stopped supporting our digital readers without warning




Microfilm Reader Specs

- ✦ ST Viewscan III by ST Imaging
- ✦ Purchased in 2017
- ✦ Serviced about 4 times since purchase
- ✦ Scans microfilm, microfiche, and slides

Advantage Archives

- ✦ Will scan full newspapers or use PDF files to create microfilm and digital images
- ✦ Options for just microfilm, just digital, or both
- ✦ Uploads files to unique website for the library

Based out of Iowa



The screenshot shows the website for the Portsmouth Public Library Digital Archives. At the top, there are navigation links for Home, Resources, Advanced Search, Contact us, and Directory. The main header features the library's logo and the text 'Digital Archives'. A search bar is prominently displayed with a dropdown menu for 'All Of The Words' and a 'Discover Q' button. Below the search bar, there are filters for 'Between' dates (01/01/2016 and 12/31/2022) and a 'Discover Q' button. A 'Browse By Title' and 'Browse By Year' section shows a table of data for 'The Portsmouth Herald' from 2016-2022, 2010-2019, and 2020-2029. The bottom of the page contains three columns of text: 'Learn More Advantage Archives', 'Discover The Community History Archives', and 'Connect With Advantage Archives'. A footer with various policies is visible at the very bottom.

PPL's digital archive page

This section compares three different ways to access newspaper content. On the left, a page from the 'Portsmouth Herald' is shown as a microfilm strip. In the middle, the same page is shown as a PDF file, with a caption 'Microfilm from PDF files'. On the right, a page from the 'Seacoast Sunday' is shown as a digital PDF file, with a caption 'Digital version from PDF files'. The background is a light yellow with a dark green border.

Other considerations

- ◆ Cost
- ◆ Hours of staff time are spent trimming the papers of unnecessary bulk
- ◆ OCR is improving, but isn't perfect
- ◆ Not a very user-friendly website
- ◆ Obsolescence & server concerns
- ◆ Requires diligence in maintaining an active subscription for specific papers and scheduled downloading of all issues
- ◆ Google Analytics
- ◆ Customer service
- ◆ A.A. was relying on prison labor for some scanning projects

Contacts

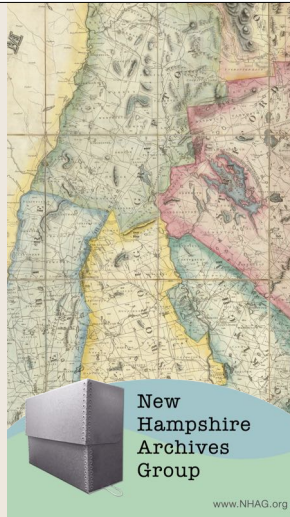
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 603-766-1723

Advantage Archives
 www.advantagearchives.com
 info@advantagearchives.com

ST Imaging
 www.stimaging.com



Caitlin Dionne
Keene State College



Keene State College

Caitlin Dionne
Assistant Archivist

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Metadata cleanup – moving from old platform to new. Duplicate fields, consistent use of controlled vocabulary.

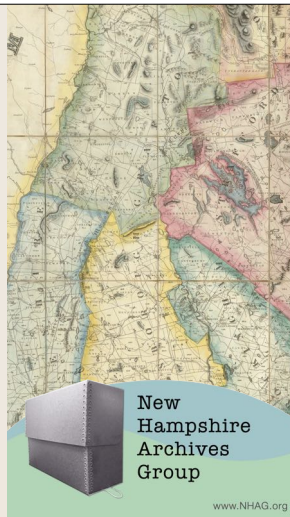
Digitization of photographic materials – slides, negatives, photos

Microfilm – outsourced the digitization of student newspapers on microfilm

VHS conversion – students have been able to convert VHS tapes to digital using in-house equipment




Brantley Palmer
Franklin Pierce University



DIY AV Digitization


By Brantley Palmer
10/18/2023

NHAG Fall Workshop



It's all about what you're comfortable with...

- Background in film and television
- Enjoy messing with electronics
- I like AV material



...and what you can afford

- Every institution is different
- Every institution has different limitations



Why go the DIY route?

- \$\$\$
- Control



How to get started

- Computer
- Software
- Storage
- USB to RCA adapter
- Legacy media decks
- Plan



Computer

- Most modern computers can handle the basic functionality of digitizing AV materials
- Note your USB connections



Software

Free Options:

- [Audacity](#)
 - Export as .wav or .mp3 files
- [VirtualDub](#)
 - Outputs to large AVI files which you can use as archive files and create access copies from
- [OBS Studio](#)
 - A plethora of file format output options and lots of options for controls of audio and video



Storage

- You know how much AV material you have and can make an assessment of roughly how much storage you'll need for your digitization project
- Keep in mind, it's always good to have backups
- Thankfully, storage has become very cheap



USB to RCA adapter

- Most legacy media decks you use will probably require (or have as an option) outputting audio (or audio and video) through RCA connectors
- Older legacy media decks may have older connectors that you can find adapters for. For instance, many BetacamSP decks have BNC connectors (or BNC + S-Video + XLR audio connectors). There are BNC to RCA and XLR to RCA adapters that are easily and cheaply had.

USB to RCA Adapter



Legacy Media Decks

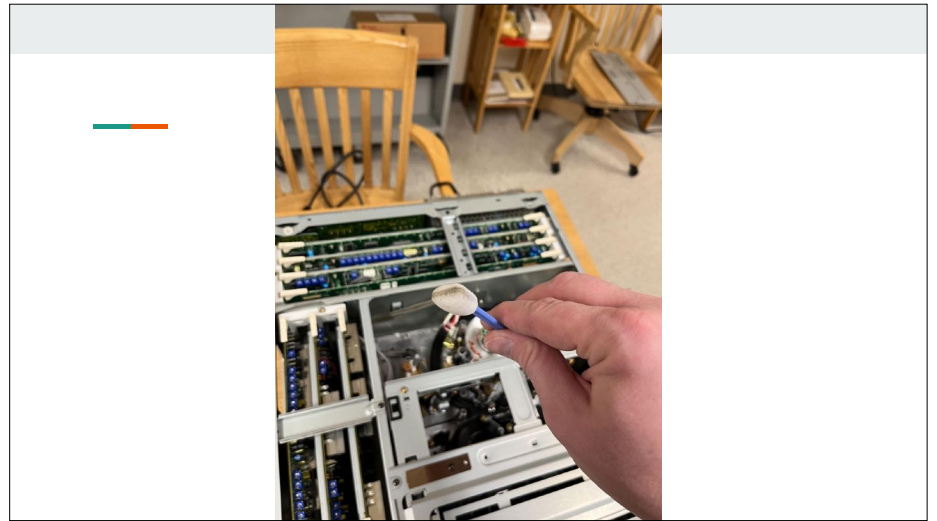
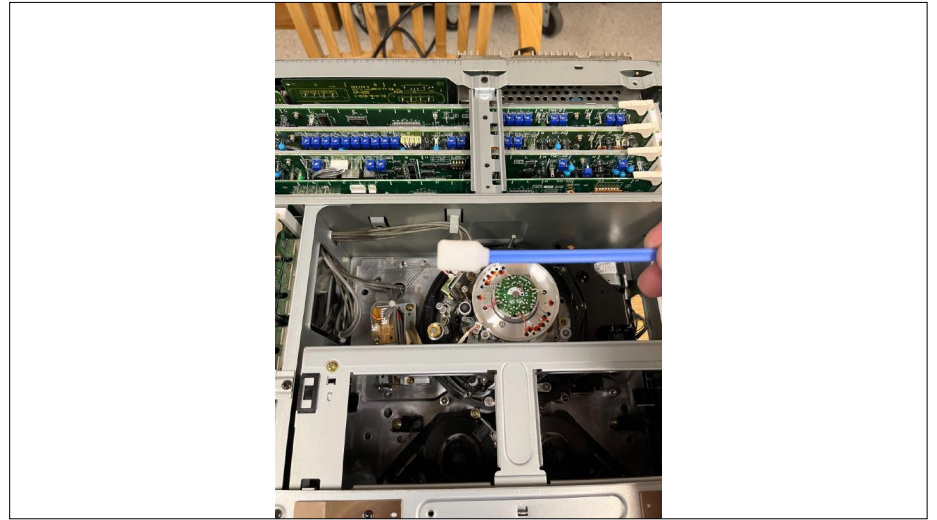
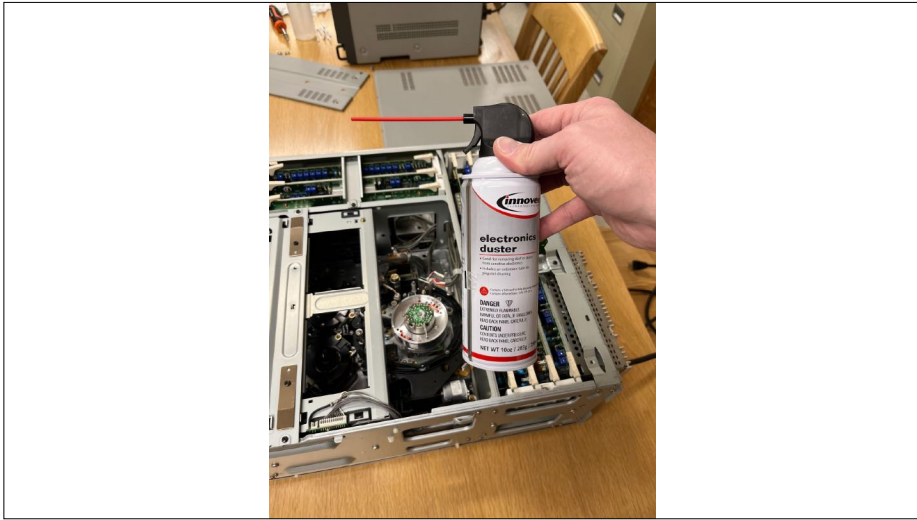
- No matter what deck you're using, it's important to make sure it's in good working order
- Dust and debris get into machines easily, so compressed air is excellent for cleaning it out
- Belts erode or melt over time so changing belts may be needed if it's your first time using the machine
- Those same belts may melt into the gears they're on so cleaning that gunk off may be needed
- Both audio and video legacy media decks use heads to read the material on magnetic media so cleaning the heads of your machines before use and regularly as they're used is important
- Denatured alcohol is your go to cleaning solution for the heads of your decks

Basic Cleaning and Servicing

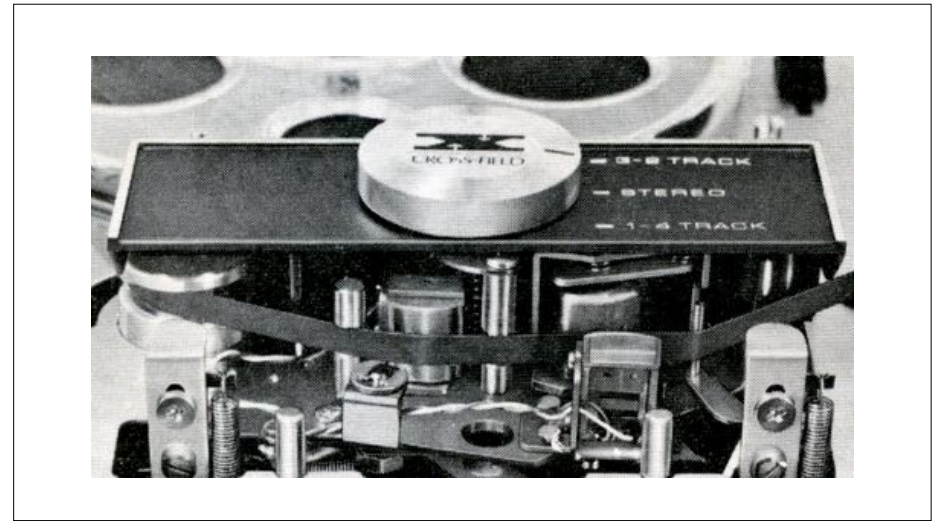
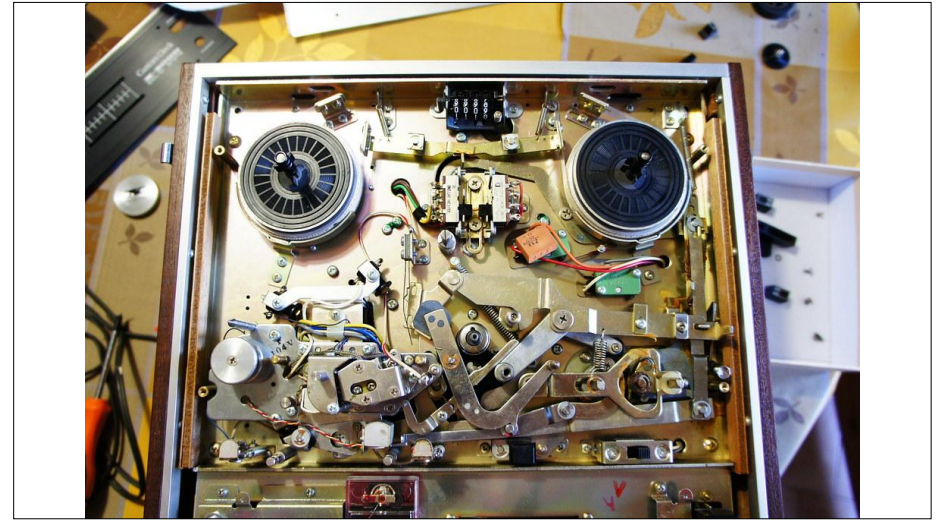


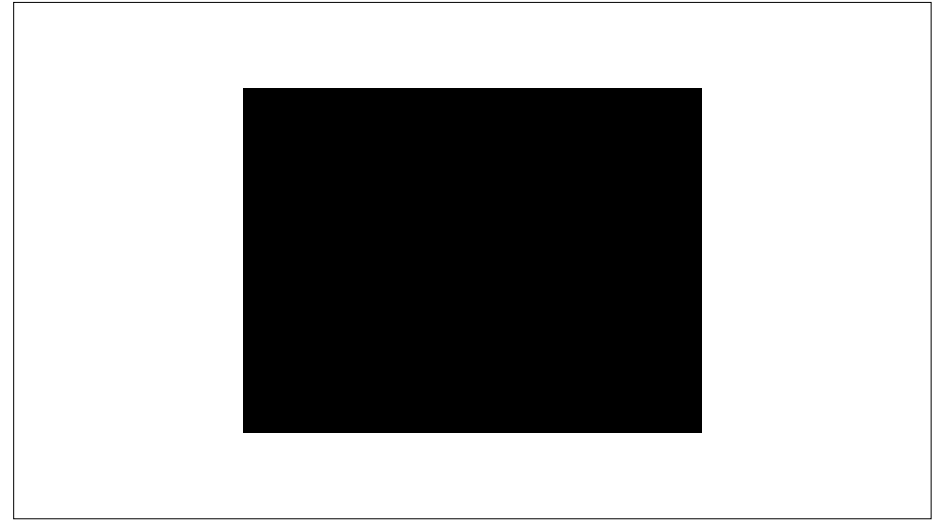
Betacam SP





Reel to Reel





Your Plan

- Archival copies and access copies?
 - What formats?
- Storage plan
 - Don't forget backups
- Metadata
- File Naming Conventions
- Format Preservation?
 - Do you plan to create non-digital backups on another format? (CD, DVD, Blu-Ray, etc.)
- Plan for your original obsolete media



Jim Perkins
New London Archives



Audio Recordings



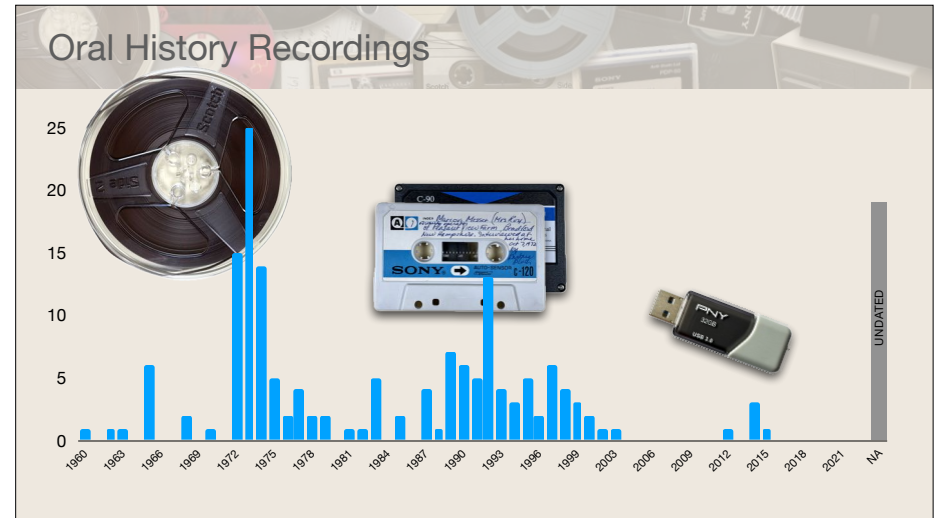
Audio Recordings



Oral History Recordings



Oral History Recordings



Oral History Recordings



Oral History Recordings



Oral History Recordings



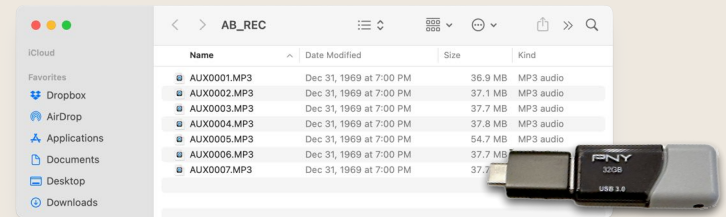
Oral History Recordings



Oral History Recordings



Oral History Recordings



Oral History Recordings

MP3 Joiner
The simplest way to join your MP3 files into one.

- 1. Upload your MP3 (.mp3) files.**
Select the MP3 files that you want to merge.
- 2. Put your MP3 files in order.**
Simply drag and drop your files in the order you want them to appear in the final audio.
- 3. Download your new MP3 file.**
It will take a few minutes until the file is ready and automatically downloaded.

How to merge MP3 files?

- 1. Select your MP3 files**
(.mp3 extension)
Add files
- 2. Sort your audio**
Select and drag your audio files to reorder.
Merge MP3

This website uses cookies to ensure you get the best experience on our website. [Learn more](#)

Leader 2023 | Momentum Leader 2023

Oral History Recordings

MP3 Joiner

3. Download your new MP3 file.
It will take a few minutes until the file is ready and automatically downloaded.

Leader 2023 | Momentum Leader 2023

The overlaid Finder window shows a 'Choose Files to Upload' dialog with the following table:

Name	Date Modified	Size	Kind
Screen Shot 2023-10-10 at 7:43:03 AM	Today at 7:43 AM	389 KB	Photo Image
All MP3	Today at 7:48 AM	1.7 MB	Folder
BRADFORD_Steve - 1990 A.MP3	Dec 31, 1969 at 7:00 PM	37.7 MB	MP3 audio
BRADFORD_Steve - 1990 B.MP3	Dec 31, 1969 at 7:00 PM	37.8 MB	MP3 audio
BRADFORD_Steve - 1989 A.MP3	Dec 31, 1969 at 7:00 PM	37.7 MB	MP3 audio
BRADFORD_Steve - 1989 B.MP3	Dec 31, 1969 at 7:00 PM	54.7 MB	MP3 audio
THOMSON_Martin - 1973 A.MP3	Dec 31, 1969 at 7:00 PM	36.8 MB	MP3 audio
THOMSON_Martin - 1973 B.MP3	Dec 31, 1969 at 7:00 PM	37.1 MB	MP3 audio
Screen Shot 2023-10-10 at 7:48:04 AM	Today at 7:48 AM	237 KB	Photo Image
Screen Shot 2023-10-10 at 7:48:04 AM	Today at 7:48 AM	211.1 MB	Folder
Screen Shot 2023-10-10 at 7:48:04 AM	Today at 7:48 PM	211.1 MB	Folder
Cassette - MP3	Oct 8, 2023 at 8:56 PM	...	Folder

Oral History Recordings

happyscribe Services - Enterprise Pricing Log in Contact sales Get started free

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- 3. Download your new MP3 file.**
It will take a few minutes until the file is ready and automatically downloaded.

- 1. Select your MP3 files**
(.mp3 extension)
Add files
- 2. Sort your audio**
Select and drag your audio files to reorder.
BOHANON_Eun[...]_mp3
BOHANON_Eun[...]_mp3

Merge MP3

Leader 2023 Momentum Leader 2023

Oral History Recordings

Downloads

Name	Date Modified	Size	Kind	Date Added
BOHANO...cribe).mp3	Today at 7:50 AM	665.4 MB	MP3 audio	Today at 7:50 AM
BRADFOR...cribe).mp3	Today at 7:51 AM	664.6 MB	MP3 audio	Today at 7:51 AM
THOMSO...cribe).mp3	Today at 7:52 AM	652.6 MB	MP3 audio	Today at 7:52 AM

Oral History Recordings

Audacity

HOME ABOUT - DOWNLOAD - HELP - CONTACT - GET INVOLVED - COPYRIGHT

Free, open source, cross-platform audio software

Audacity is an easy-to-use, multi-track audio editor and recorder for Windows, macOS, GNU/Linux and other operating systems.
Audacity is free, open source software.

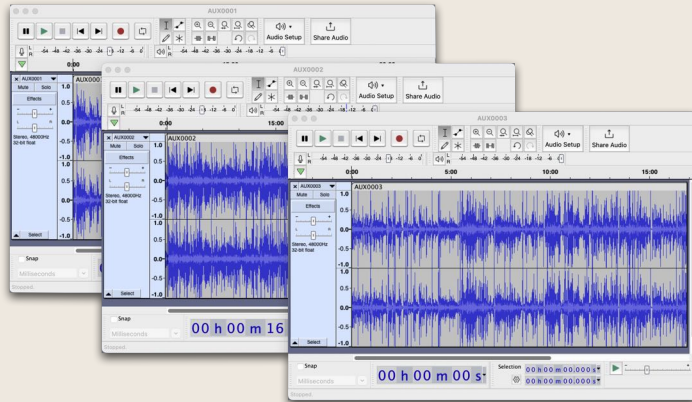
DOWNLOAD AUDACITY Latest version: 3.3.3 View Release Notes Documentation

Oral History Recordings

AB_REC

Name	Date Modified	Size	Kind
AUX0001.MP3	Dec 31, 1969 at 7:00 PM	55.5 MB	MP3 audio
AUX0002.MP3	Dec 31, 1969 at 7:00 PM	55.1 MB	MP3 audio
AUX0003.MP3	Dec 31, 1969 at 7:00 PM	29.3 MB	MP3 audio

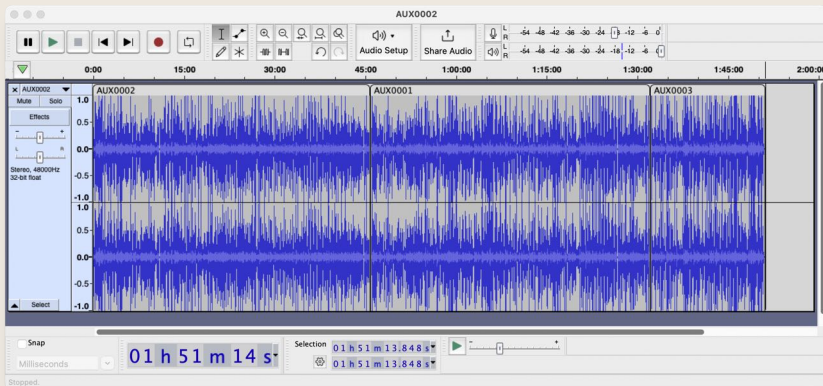
Oral History Recordings



Oral History Recordings



Oral History Recordings



Oral History Recordings



Oral History Recordings

The screenshot shows an audio editing application with a waveform for track AUX0002. The waveform is displayed in blue on a black background. Below the waveform is a metadata editor with the following fields:

- Tag: Use arrow keys (or ENTER key after editing) to navigate fields.
- Artist Name: Gould, Nellie
- Track Title: NL Oral History Project
- Album Title: NL Oral History Project
- Track Number: 1
- Year: 1974
- Genre: Oral History
- Comments: (empty)

At the bottom of the interface, a time display shows 01 h 51 m 14 s.

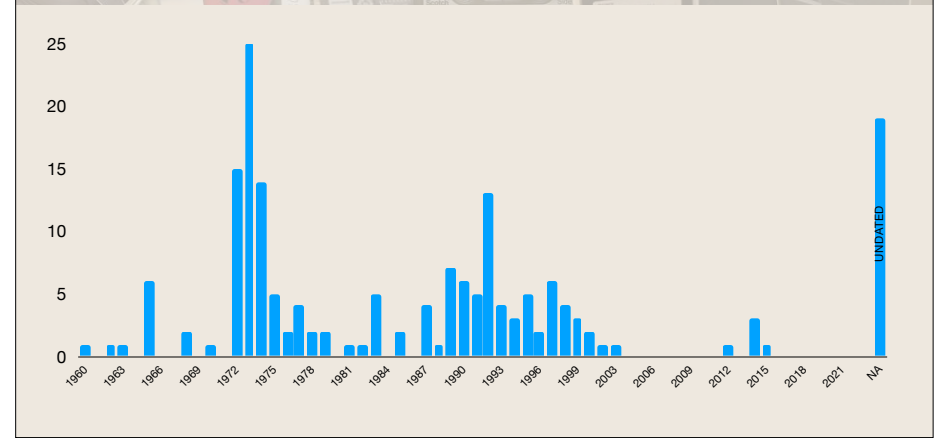
Oral History Recordings

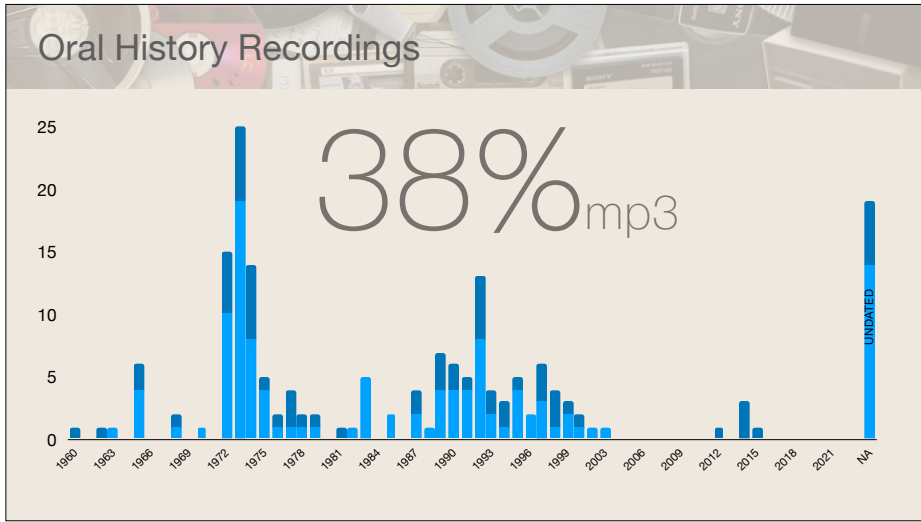
LOCATION	NAME	INTERVIEWER	SUBJECT	DATE	YEAR	ORIGINAL FORMAT	COUNT	DIGITAL FORMAT	DURATION
31	Cronin, Maria Monetta	Turti, Michael	Family, Mt. in NL	6/14/1972	1972	Cassette	2	MP3	1:00:07
32	Cronin, Clara-Prescott	Turti, Michael	Low Plain School	1/1/1965	1965	Reel	1	MP3	1:04:01
33	Cross, Sidney	Hammond, Frank		3/10/1964	1964	Cassette	1	MP3	0:30:46
34	Curran, Belle Dees Curran, Eva	Vermon, Arnyon		1/1/1993	1993	Cassette	7	MP3	0:30:46
35	Curran, Harold	Hammond, Frank		2/22/1964	1964	Cassette	1	MP3	1:01:06
36	Curran, John	Hammond, Frank	Bussey Hill	8/26/1960	1960				
37	Daniel, Sharon	Black, Barbara	Turti Lake Villa	3/28/1975	1975	Cassette	1	MP3	0:45:27
38	Dank, Don	Turti, Michael	MT Kearsarge	2/18/1967	1967	Cassette	1	MP3	0:59:48
39	Dean, Victor	Turti, Michael		12/10/1974	1974	Cassette	4	MP3	2:02:11
40	Dean, Victor	Black, Barbara	NL Post Office	10/29/1974	1974	Cassette	1	MP3	0:55:39
41	Decker, Ed	Postl, Maurine; Clough, Bill		6/13/2015	2015	MP3	2	MP3	0:55:39
42	Doofink, George		Turti Library	3/26/1991	1991	Cassette	1		
43	Dupier, Thomas		(Bookstore & TV) (gate)	8/20/1974	1974	Cassette	1		
44	Durkin, Whitle	Black, Barbara		6/14/1972	1972	Cassette	1		
45	Edmunds, Evan	Turti, Michael	Early School Days, etc.	6/14/1977	1977	Cassette	1	MP3	0:45:27
46	Emery, Walter Sr					Cassette	1		
47	Fair, Philip		Turti Lake Villa	1/1/1974	1974	Cassette	1		
48	Fry, Dorothy Whipple	Turti, Michael		1/18/1978	1978	Cassette	1		
49	Gay, Kitty		Ray Hill at Mt. Brookfield	3/10/1972	1972	Cassette	1		
50	Gay, Paul R.		Brookfield Hotel	3/10/1972	1972	Cassette	3		
51	Gay, Paul R.	Turti, Michael	Barnes in NL	8/29/1975	1975	Cassette	1	MP3	1:01:14
52	Gay, Viola	Stearns, Barbara	Life in NL	1/20/1989	1989	Cassette	1	MP3	1:01:01
53	Gilgus, Janet Snow	Vermon, Arnyon		8/23/1966	1966	Cassette	1	MP3	0:30:46
54	Gordon, Frank	Malin, Nancy; Hammond, Frank		2/28/1968	1968	Cassette	1	MP3	0:30:46
55	Gould, Emma Shepard		Recollections of James E. Shepard	2/1/1965	1965	Cassette	3		
56	Gould, Nellie	George Mills Heald		8/29/1974	1974	Cassette	2	MP3	1:01:14
57	Gould, Nellie		Steambaths	11/20/1974	1974	Cassette	1	MP3	1:01:01
58	Gould, Nellie		Homes around Sunapee	10/4/1975	1975	Cassette	1	MP3	1:01:01
59	Graves, Clarence & Ruth	Turti, Michael	Main Street buildings	3/25/1973	1973	Cassette	2	MP3	1:08:17

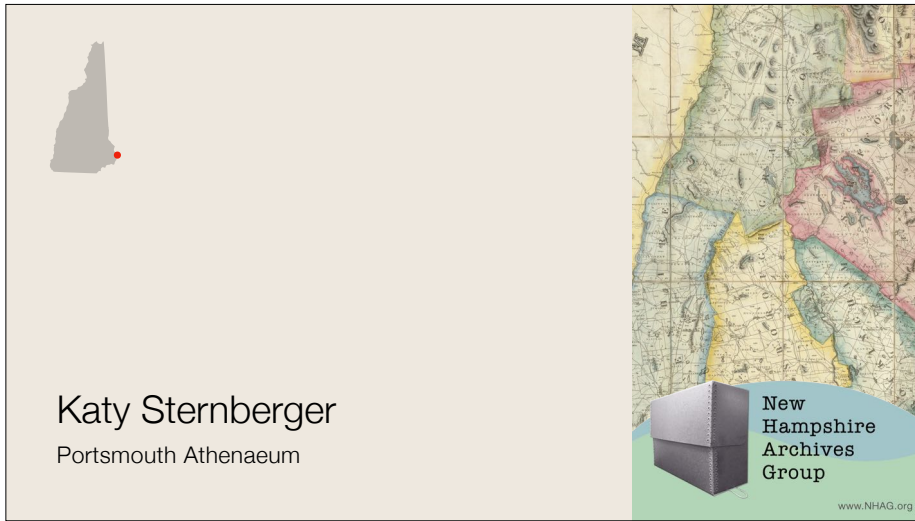
Oral History Recordings

Name	Date Modified	Size	Kind
BEALL_Sidney-Caroline - 1974 NR.mp3	Oct 6, 2023 at 10:59 AM	41.6 MB	MP3 audio
BOHANON_Eunice - 1990.mp3	Today at 7:58 AM	49.4 MB	MP3 audio
BRADFORD_Bill - 1989.mp3	Today at 8:00 AM	51.3 MB	MP3 audio
BRADFORD_Carleton - 1997 NR.mp3	Today at 8:06 AM	36.6 MB	MP3 audio
BURKER_Harold - 1992.mp3	Oct 8, 2023 at 8:55 PM	74.1 MB	MP3 audio
CALL_Shirley - 1968.MP3	Dec 31, 1969 at 7:00 PM	54.9 MB	MP3 audio
COLBY_Emma - 1965.MP3	Dec 31, 1969 at 7:00 PM	34.2 MB	MP3 audio
CRICENTI_Frank - 1987.mp3	Oct 6, 2023 at 4:14 PM	28.3 MB	MP3 audio
CURRIER_Harold - 1994 NR.mp3	Oct 6, 2023 at 4:10 PM	43.1 MB	MP3 audio
DAVIS_Don - Kearsarge - 1997 NR.mp3	Oct 6, 2023 at 11:04 AM	42.9 MB	MP3 audio
DEAN_Belle_Eva.MP3	Dec 31, 1969 at 7:00 PM	36.9 MB	MP3 audio
DEAN_Victor - 1974.mp3	Sep 20, 2023 at 12:47 PM	171.5 MB	MP3 audio
MESSER_Clara - Highland House 1973.MP3	Dec 31, 1969 at 7:00 PM	37 MB	MP3 audio
MESSER_Josephine - 1987.MP3	Dec 31, 1969 at 7:00 PM	37.3 MB	MP3 audio
MESSER_Marion - Bradford-NL Hotels 1972.mp3	Sep 28, 2023 at 6:24 PM	64.9 MB	MP3 audio
MILLAR_Wm - Job Seamans Lecture 1979 NR.mp3	Sep 28, 2023 at 6:19 PM	44.5 MB	MP3 audio
MULLER_Nancy - Colby Academy 1991 NR.mp3	Sep 28, 2023 at 6:15 PM	32.9 MB	MP3 audio
PELLERIN_Jules - 1992.mp3	Sep 30, 2023 at 5:14 PM	53 MB	MP3 audio
PNE_Marion - 1973.MP3	Dec 31, 1969 at 7:00 PM	37.1 MB	MP3 audio
RICH_Anna - 1995.MP3	Dec 31, 1969 at 7:00 PM	35.2 MB	MP3 audio
RICH_Anna Gay - 1992.mp3	Oct 5, 2023 at 9:33 AM	40.1 MB	MP3 audio
SARGENT_Murray - 1993.mp3	Sep 28, 2023 at 6:11 PM	34.7 MB	MP3 audio
SAWYER_Fran - 1992.MP3	Dec 31, 1969 at 7:00 PM	37 MB	MP3 audio
SHEPARD_Fran - 1992.mp3	Oct 4, 2023 at 7:15 AM	71.6 MB	MP3 audio
SIEBURG_Don - 1994.mp3	Oct 4, 2023 at 7:18 AM	74.8 MB	MP3 audio
SMITH_Dorris - 1981 Birthday Party.MP3	Dec 31, 1969 at 7:00 PM	55.3 MB	MP3 audio
SMITH_Dorris - 1990.mp3	Oct 5, 2023 at 9:24 AM	29.8 MB	MP3 audio
STIBITZ_Dorthea_Lamson - 1999.mp3	Sep 30, 2023 at 5:18 PM	66.3 MB	MP3 audio
THOMPSON_Helen_Braed - 1973.mp3	Today at 8:02 AM	44.3 MB	MP3 audio

Oral History Recordings







Katy Sternberger
Portsmouth Athenaeum

New Hampshire Archives Group
www.NHAG.org



Risk Management for Obsolete Media

- *Risk Avoidance:* importance of collecting policy; only collect what you know you can care for
- *Risk Mitigation:* check for small, local grant opportunities

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