

# STEPHANIE SAPIENZA

Project Manager  
Maryland Institute for Technology in the Humanities (MITH)  
University of Maryland  
[sapienza@umd.edu](mailto:sapienza@umd.edu)  
[@sapienza77](#)  
[stephaniesapienza.com](http://stephaniesapienza.com)

## Previous & current work with radio:

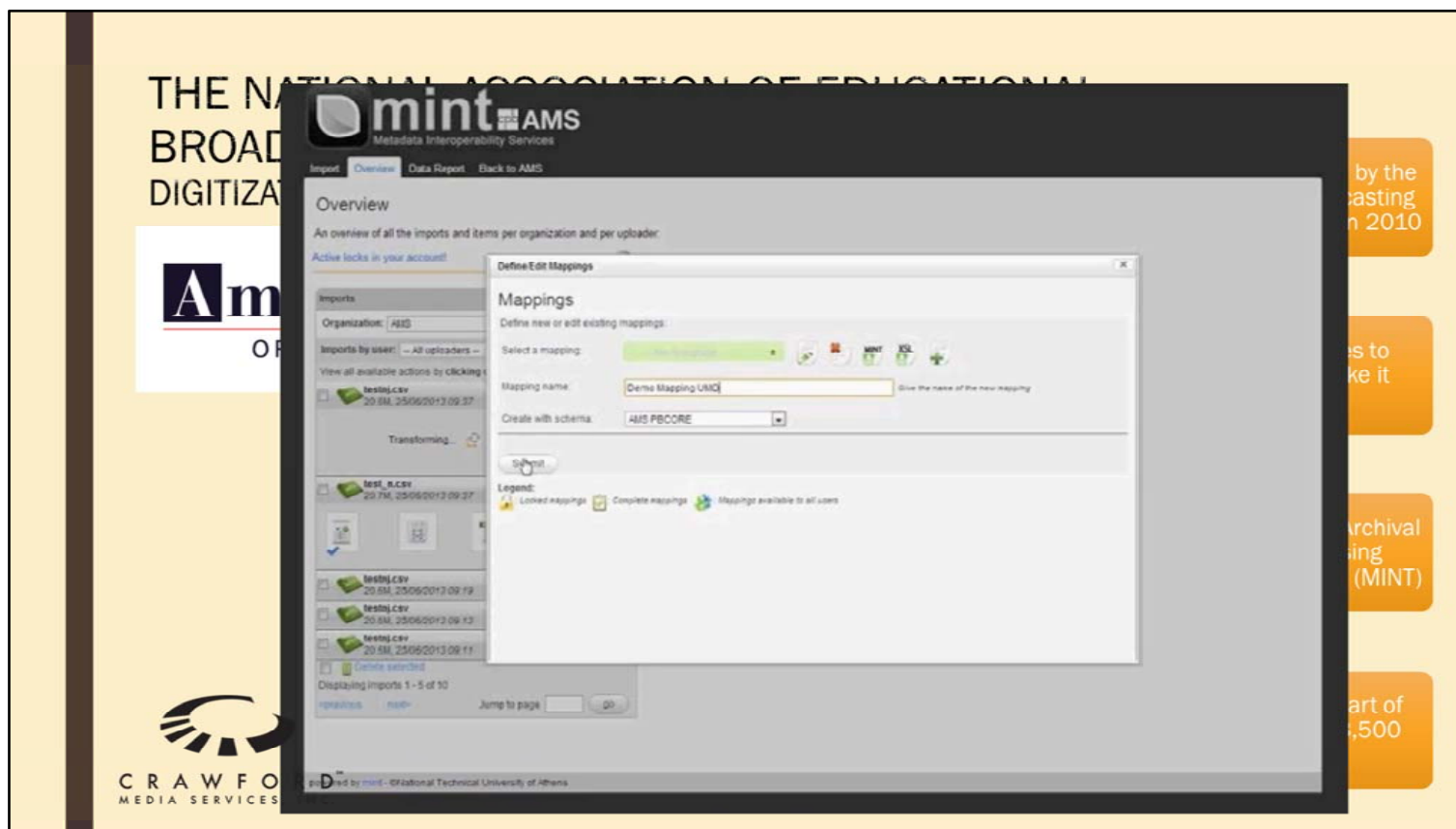
[American Archive of Public  
Broadcasting \(AAPB\) at CPB](#)

National Association of Educational  
Broadcasters (NAEB) collection

Unlocking the Airwaves project



In 2009 I was working as the Project Manager for the American Archive while it was at CPB. While most of the roughly 40,000 hours digitized by the American Archive were selected by participating stations, a portion of that total was reserved for iconic content of national historic significance. These were the only hours which were selected by CPB, and procured through a separate process (as opposed to giving content inventory participants the freedom to choose their own content).



I worked with Chuck Howell, Robin Pike and Joanne Archer at UMD Libraries to extract whatever item-level records we could find for the collection, map the metadata fields into PBCore, and then map those records into the Archival Management System (AMS) we had contracted AVPreserve to develop for the project. The AMS used a platform called MINT, which stands for Metadata Interoperability Platform, to map and ingest records. Once those were in the system, the AMS tracked the delivery of the reels to Crawford Media, who digitized the preservation and access files and delivered them back to UMD. The Library of Congress is in charge of maintaining all the preservation files, while WGBH manages all access initiatives. (1:13)

# THE NATIONAL ASSOCIATION OF EDUCATIONAL BROADCASTERS (NAEB) CONTENT DETAILS

## EXAMPLES: THEMES & SUBJECT MATTER


- U.S. Foreign Policy
- The Cold War
- The Space Race
- Vietnam War
- Labor Issues
- Contemporary Social Movements
- Media Studies
- Education History and Policy
- Health and Drug Policy

## EXAMPLES: PROGRAM PARTICIPANTS & INTERVIEW SUBJECTS

- Hubert Humphrey
- Robert Frost
- Frank Lloyd Wright
- Alistair Cooke
- Dr. Benjamin Spock
- Margaret Mead
- Studs Terkel
- Dr. Albert Schweitzer
- Aldous Huxley
- William Whyte, Jr.

## EXAMPLES: PROGRAM TITLES

- America On Stage
- American Language
- The Creative Mind
- Evolution of Jazz
- Fifty Years of Growth
- Hazards to Education
- How's the Family
- Indian Country
- Portrait of the American
- Teach-in on Vietnam
- Voices of Europe
- The Ways of Mankind



The bulk of the programs represented in the NAEB collections were produced between 1952 and 1970, a period of incredible growth, turmoil and social change in the United States. Looking at the programming entries in the paper archives, there is an impressive list of political and military figures, scientists, activists, journalists, artists and religious leaders – a “who’s who” of the mid-20<sup>th</sup> century.

The use potential and research value for of this material is fairly substantial, for use by educators as primary historical documents, and for the creation of new work in journalism and documentary filmmaking.

## NATIONAL ASSOCIATION OF EDUCATIONAL BROADCASTERS (NAEB)

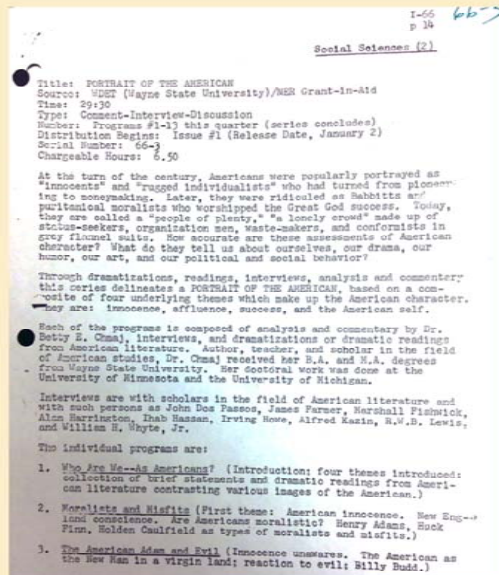
- National Association of Educational Broadcasters (NAEB)
  - *UMD Libraries Special Collections (National Public Broadcasting Archive)*
    - 5,060 ¼" open reel tapes from early public radio
    - pre-NPR, 1950-1970
    - digitized as part of the American Archive project (~3,500 hours of audio)
  - *Wisconsin Historical Society*
    - 44.2 cubic feet, 112 archives boxes
    - correspondence, reports, promotional material and clippings, speeches, files of the Office of Research and Development and of National Educational Radio (a division of the NAEB).
    - Finding aid created and online, nothing digitized

The central premise of *Unlocking the Airwaves* is to reunite the NAEB materials, which are currently split between the Mass Media and Culture collections of the University of Maryland Libraries Special Collections and University Archives (tape collection), and the Wisconsin Historical Society (paper collection) in an online research environment alongside information about its creation and original context.

# NATIONAL ASSOCIATION OF EDUCATIONAL BROADCASTERS (NAEB) WISCONSIN HISTORICAL SOCIETY PAPER RECORDS

The [finding aid for the NAEB paper collection](#) alone reveals that it contains a depth of contextual information relevant to the study of the tape collection. Digitized paper materials from Wisconsin would reveal even more, and not just the content of the broadcast but also the circumstances of its production and its reception. This relevant contextual information related to both the subject matter inherent in the content itself, as well as the cultural and sociological forces which shaped its production and distribution. The NAEB collections account for more than a record of a specific broadcasting entity and its industrial/narrative production. They also provide an in-depth look at the engagements and events of American history, as they were broadcast to and received by the general public in the twentieth century. This may be evident in the recordings themselves, but the potential scholarly and educational insights are particularly apparent when presented with rich, contextual materials to accompany it.

# THE NATIONAL ASSOCIATION OF EDUCATIONAL BROADCASTERS (NAEB) PORTRAIT OF THE AMERICAN (1965-66)



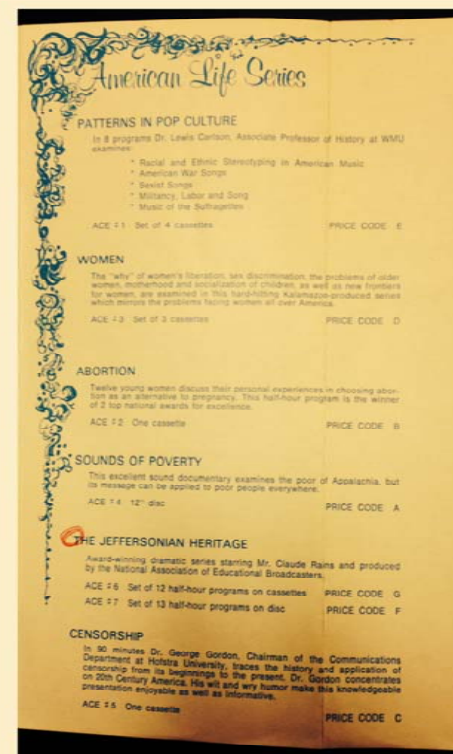
The Affluent American	January 10, 1966	29:45
The Aggressive American	February 26, 1966	29:10
The American Adam and Evil	December 27, 1965	29:06
The Burdens of Plenty	January 17, 1966	29:16
The Happy Company Men	February 6, 1966	29:02
How To Know You've Made It	February 15, 1966	29:07
Immigrants: Again and Again	December 31, 1965	29:45
Moralists and Misfits	December 17, 1965	28:48
Patterns and Paradox	March 7, 1966	29:28
Quest for Self	February 18, 1966	29:20
Rugged Individualists	January 21, 1966	28:30
Who Are We as Americans?	November 24, 1965	29:18



A couple of highlights from the NAEB collections – here is the mid-60s series Portrait of the American, a radio show produced out of Wayne State University for radio station WDET, which "explored constructions of the American self in the domestic and global contexts of the 1960s countercultural movement, pursuing critical explorations of themes such as innocence, affluence, and success." The show was produced for NERN under a grant from National Home Library Foundation. It was produced and hosted by Dr. Betty Chmaj of Wayne State, who was the first woman to receive a Ph.D. in American Studies granted by the University of Michigan. Chmaj was one of the leaders of the Radical Caucus, a subgroup of the American Studies Association (ASA) that challenged the way things had been done in within the organization. She was also a noted feminist who was instrumental in getting the ASA to recognize the lack of representation by women in the organization, in an era where the men were more concerned with issues of civil rights and the war in Vietnam, and didn't see women's rights as a pressing issue.

## 'THE JEFFERSONIAN HERITAGE'

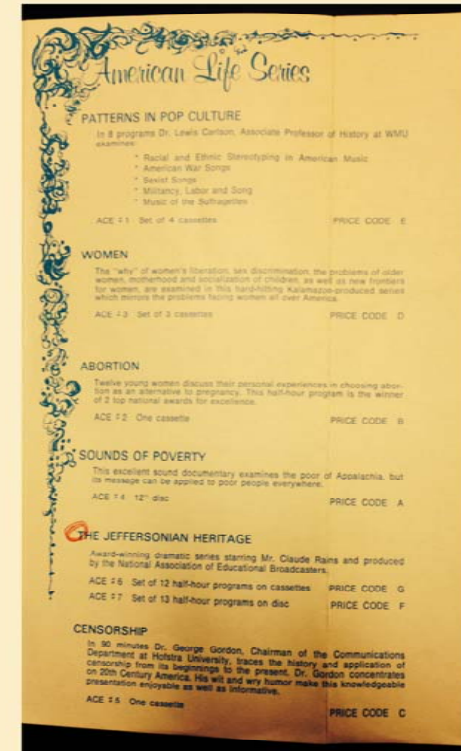
- 1952 series of 13 half-hour dramatic radio programs starring Claude Rains;
- An attempt to create radio that could be both “educational and appealing;”
- Documents the attempts by Thomas Jefferson to get an anti-slavery clause written into the constitution, while tying this history to contemporary events;
- Marketed by Aural Press of Western Michigan University as part of an “American Life Series” (other shows in the series: “Women,” “Abortion,” “Censorship”);
- Helped convince funders (FAE and Ford) to pour millions into launching educational television.



“The Jeffersonian Heritage” was produced by the NAEB with funding from a Ford Foundation grant. It starred English-born actor Claude Rains, and was a 1952 series of thirteen half-hour radio programs syndicated for commercial-free broadcast. This was the NAEB’s conscious attempt to create radio that could be both “educational and appealing,” Earlier episodes covered Thomas Jefferson’s attempt to have an anti-slavery clause written into the US Constitution, and later episodes then attempted to tie themes from Jefferson’s personal and political history to contemporary events, “The Jeffersonian Heritage” as a media object of study alone is fascinating. But to gain an accurate picture of the importance of these broadcasts, researchers would need to understand not just the content of the broadcast itself, but also the circumstances of its production and its reception. How did mid-twentieth century Americans engaged in remembrances of an agrarian past? How did the NAEB present Thomas Jefferson through the lens of anxieties about America’s place within the Cold War world? What tropes and episodes from his life were used in drawing parallels to events that would emerge in late 1952 and shape the rest of the decade? How did the NAEB present Jefferson’s own controversial relationship to slavery? How were these episodes marketed and promoted to the public?

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We used this program as a case study in our grant proposal to the NEH, so we know a couple of the answers to these questions. The NAEB paper collections also contain a brochure revealing that the series was marketed by Aural Press of Western Michigan University as part of an “American Life Series” alongside other program series such as “Patterns in Pop Culture,” “Women,” “Abortion,” “Sounds of Poverty,” “Censorship,” and “The Nostalgia Merchants.” Placing one highly specific (and dramatic) series against the backdrop of such broadly-conceived topical documentary programs could allow researchers to evaluate its messages and themes.

## ‘THE JEFFERSONIAN HERITAGE’

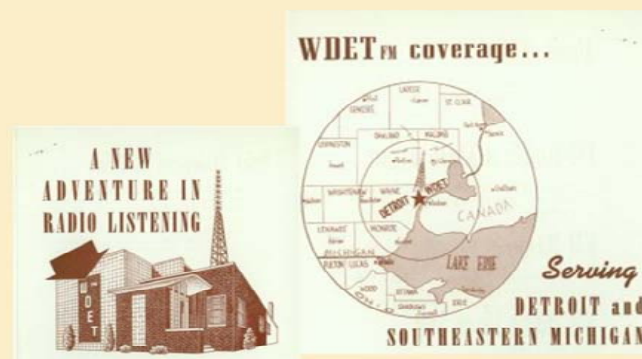
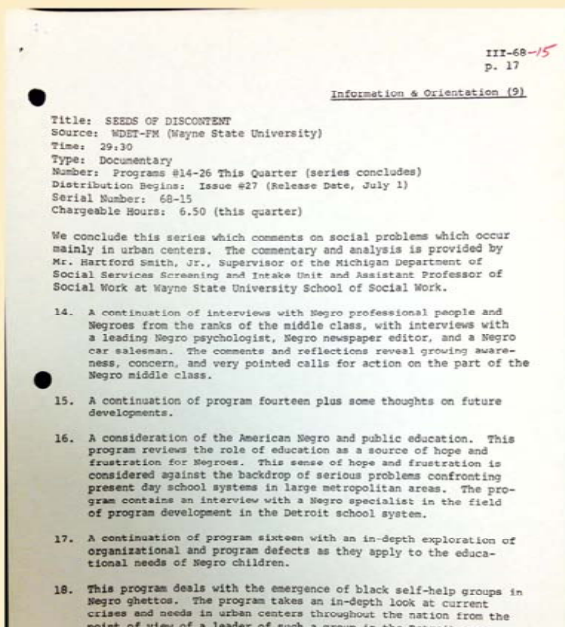
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*“The significance of this project is that our products convinced Scotty and his Board that educators were professionally competent and deserved support as they ventured into the new field of television. Thus did educational radio help the launching of educational television, for the Fund for Adult Education and later the Ford Foundation itself poured millions of dollars into projects fostering the start of education television.”*

– William Harley, NAEB History speech given at the Oldtimers Reunion, October 8, 1993

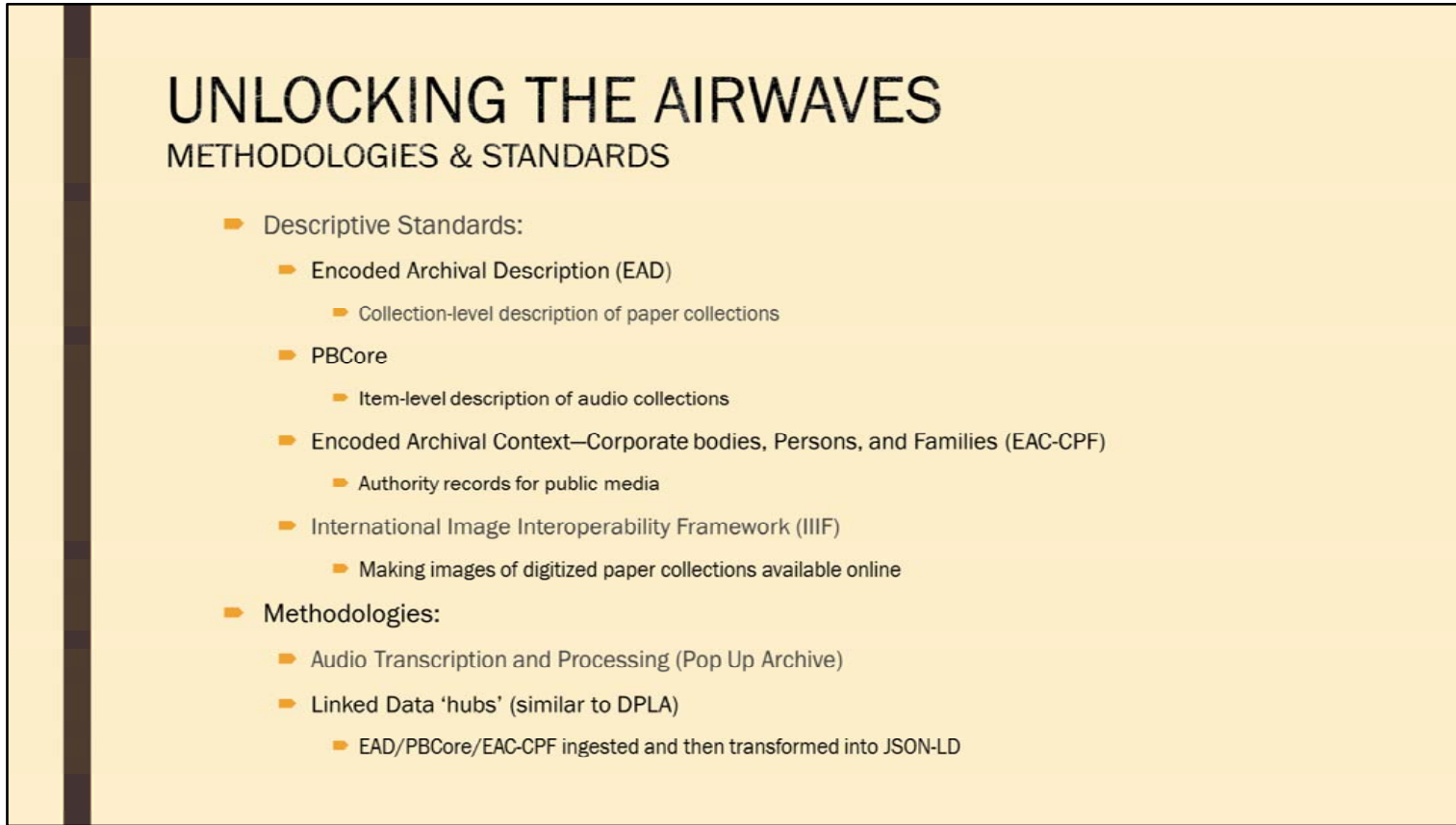
Secondly, a speech by former NAEB Chair William Harley says the following: “In 1951 we produced a dramatic history series called *The Jeffersonian Heritage* starring Claude Rains as Jefferson; a dramatic series on cultural anthropology called ‘Ways of Mankind’ and a series produced in conjunction with the Russian Institute at Harvard called ‘People Under Communism.’ The significance of this project is that our products convinced Scotty and his Board that educators were professionally competent and deserved support as they ventured into the new field of television. Thus did educational radio help the launching of educational television, for the Fund for Adult Education and later the Ford Foundation itself poured millions of dollars into projects fostering the start of education television.

## 'SEEDS OF DISCONTENT'



- 1968 WDET (Wayne State U) produced series
- Featured commentary and interviews from “Negro professional people and Negroes from the ranks of the middle class;”
- Subjects talked about their views on social discontent and race relations;
- Programmatic guides state that these interviews “reveal growing awareness, concern, and pointed calls for action on the part of the Negro middle class.”

Originally founded in 1948 by the United Auto Workers and containing programming related to labor concerns, WDET was purchased by Wayne University in 1952. The NAEB collection contains several series produced during this period, centering around social issues, race and education, as well as politics, civil defense, and American Studies. These include the 1968 documentary series *Seeds of Discontent*, which featured commentary and interviews from “Negro professional people and Negroes from the ranks of the middle class” on issues of social discontent and race relations. The paper materials at Wisconsin Historical Society contain program distribution notes sent alongside the tapes in the NERN. After describing an episode of *Seeds of Discontent* where a series of middle class ‘Negro professionals’ are interviewed about social problems in urban centers, programmatic guides state that these interviews “reveal growing awareness, concern, and pointed calls for action on the part of the Negro middle class.” This level of episodic description is not present in the individual media records, nor is such contextual commentary inherent in the media itself.

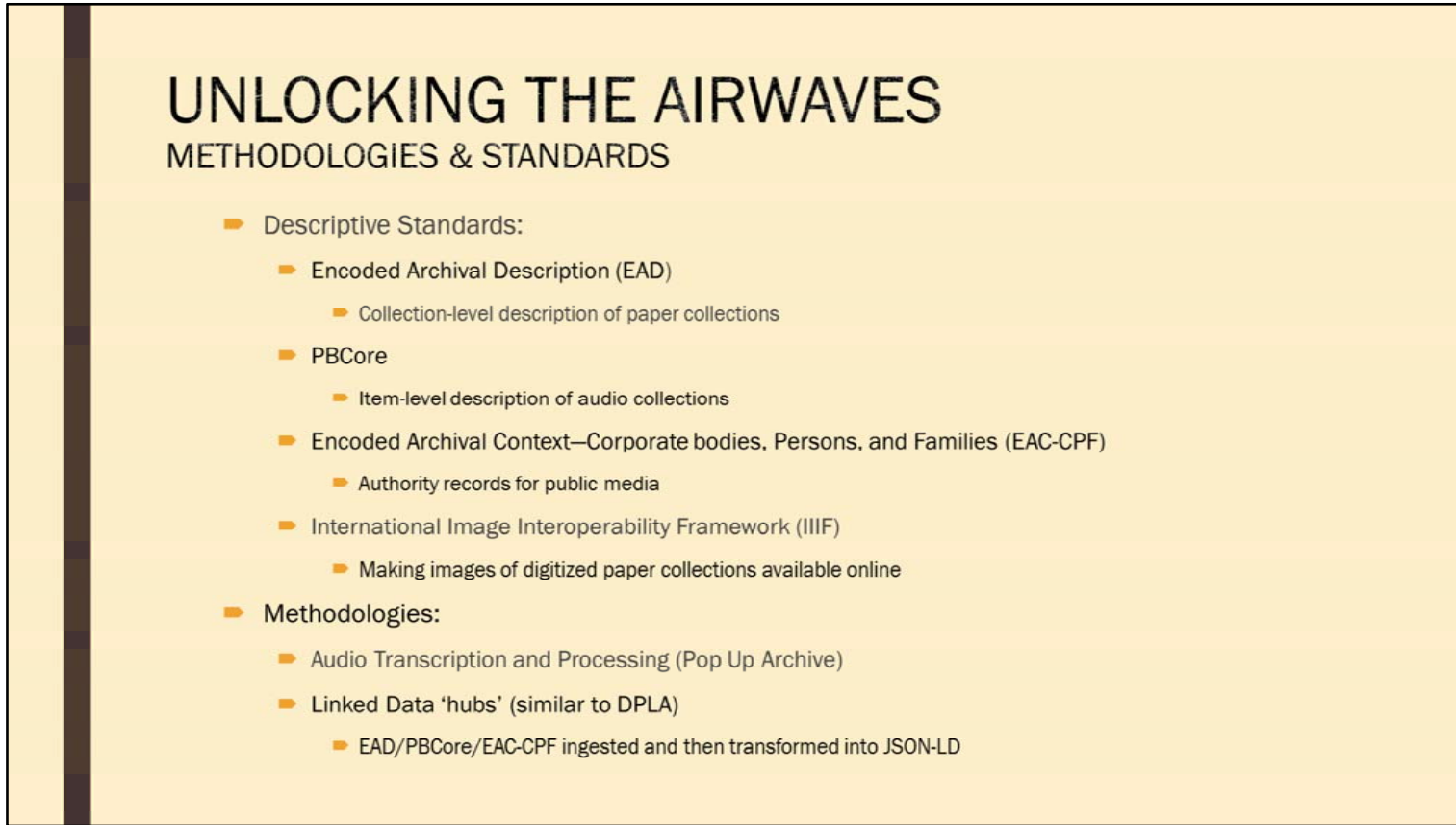


## UNLOCKING THE AIRWAVES

### METHODOLOGIES & STANDARDS

- ▶ Descriptive Standards:
  - ▶ Encoded Archival Description (EAD)
    - ▶ Collection-level description of paper collections
  - ▶ PBCore
    - ▶ Item-level description of audio collections
  - ▶ Encoded Archival Context—Corporate bodies, Persons, and Families (EAC-CPF)
    - ▶ Authority records for public media
  - ▶ International Image Interoperability Framework (IIIF)
    - ▶ Making images of digitized paper collections available online
- ▶ Methodologies:
  - ▶ Audio Transcription and Processing (Pop Up Archive)
  - ▶ Linked Data 'hubs' (similar to DPLA)
    - ▶ EAD/PBCore/EAC-CPF ingested and then transformed into JSON-LD

To do this, we will be working from data organized according to two major descriptive standards: Encoded Archival Description (EAD), and PBCore, a metadata standard for audiovisual media. The EAD standard will be used to establish information at the collection-level to provide context for (separate) item-level descriptions, which utilize PBCore. Over the course of the project, we will add work with another, more recent standard, Encoded Archival Context—Corporate bodies, Persons, and Families (EAC-CPF), to capture information we gather about people, organizations, and other entities related to public media collections.



## UNLOCKING THE AIRWAVES

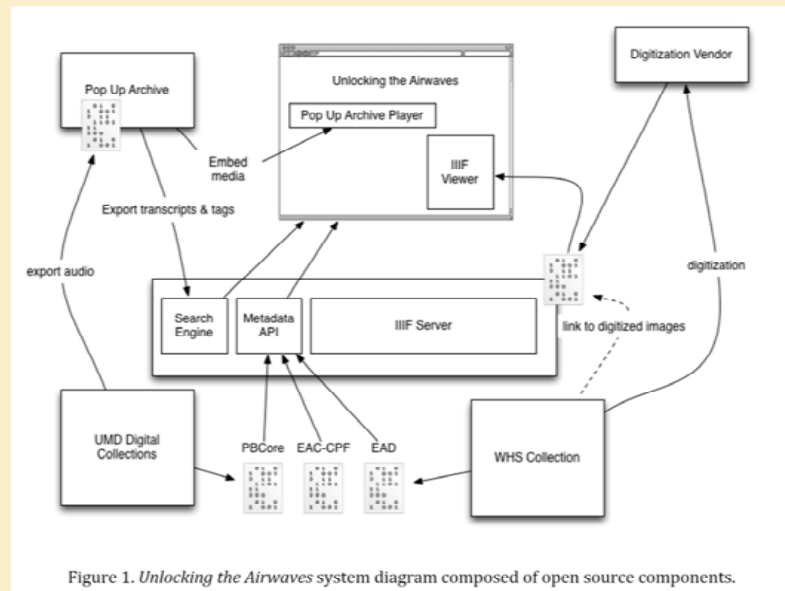
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Our model for the metadata system we will use for *Unlocking the Airwaves* will be that created for the Digital Public Library of America (DPLA), which in turn builds on metadata integration work by Europeana, the major cultural heritage aggregator in Europe. DPLA ingests metadata from many different institutions through its system of “hubs.” By using linked data approaches and formats, the DPLA can map this information into a profile usable by its online portal while still retaining the semantics and the provenance of the original data. At ingest time, DPLA hubs also enhance this metadata by performing additional linking to other common datasets and authority files—such as for geographic locations. *Unlocking the Airwaves* will ingest information encoded in EAD, PBCore, and EAC-CPF to create new data in the same JSON-LD (for “linked data”) format published by organizations like DPLA, but specifically tailored to the use case of this project. . The mapping of EAD (a document-centric format) into linked data (which is naturally network-centric) will be the most challenging element of this process but models already exist. The LOCAH and Linking Lives projects in the UK have not only demonstrated that such transformations are feasible, they also have provided software that our project will be able to adapt to this end.

# UNLOCKING THE AIRWAVES

## SYSTEM DIAGRAM OF OPEN SOURCE COMPONENTS



Despite the many excellent platforms for digital collections—from Omeka to Drupal—these kind of all-in-one solutions focus attention—in the form of resources for both development and maintenance—on one particular tool or website, rather than on the reusable data and digital objects a website may contain. The overall design of *Unlocking the Airwaves* thus favors discrete, composable units and the provision of multiple ways of accessing project data.

# UNLOCKING THE AIRWAVES

## SAMPLE INTERFACE WIREFRAME

All Collections > National Association of Educational Broadcasters

### Portrait of the American (Series, 1965-66)

Series that examines assessments of the American using the themes of innocence, affluence, success and the American self. Features analysis by Dr. Betty Ch'maj, interviews, dramatic readings. Series features interviews with John Dos Passos, James Farmer, Marshall Fishwick, Alan Harrington, Ihab Hassan, Irving Howe, Alfred Kazin, R.W.B. Lewis, and William H. Whyte, Jr.

Sociology

Study and Teaching

History

Interview

1961 - 1970

Ch'maj, Betty E. M.

WDET (Radio station: Detroit, MI)

Wayne State University

#### Episodes (13):

The Affluent American	January 10, 1966	29:45
The Aggressive American	February 26, 1966	29:10
The American Adam and Evil	December 27, 1965	29:06
The Burdens of Plenty	January 17, 1966	29:16
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[Discover More ...](#)

[Finding Aid: NAEB Collection \(Paper\)](#)

[Original Distribution Program Notes for "Portrait of an American"](#)

[List of WDET social issues programming \(1965\)](#)

### Series

- > American Adventure (37)
- > American Language (9)
- > Evolution of Jazz (80)
- > Fifty Years of Growth (13)
- > Hazards to Education (8)
- > How's the Family (10)
- > Indian Country (10)
- > Music in the Making (45)
- > New England Anthology (9)
- > People Talk Back (11)
- > **Portrait of the American (13)**
- > Teach-in on Vietnam (22)
- > Voices of Europe (88)

### Entity

- > Alabama College (26)
- > Canadian Institute on Public Affairs (14)
- > David Howcroft (2)
- > Duke University (30)
- > Institute on Man and Science (30)
- > Leroy Bannerman (18)

[More ...](#)

### Tags

- > African Americans (75)
- > Composers (26)
- > Documentary (103)

[More ...](#)

# UNLOCKING THE AIRWAVES

## SAMPLE INTERFACE WIREFRAME

The wireframe illustrates a digital interface for a radio program archive. It is organized into several key sections:

- Series List:** A vertical list of program series with item counts, including American Adventure (37), American Language (9), Evolution of Jazz (80), Fifty Years of Growth (13), Hazards to Education (8), How's the Family (10), Indian Country (10), Music in the Making (45), New England Anthology (9), People Talk Back (11), Portrait of the American (13), Teach-in on Vietnam (22), and Voices of Europe (88).
- Entity List:** A vertical list of entities, including Alabama College (26), Canadian Institute on Public Affairs (14), David Howcroft (2), Duke University (30), Institute on Man and Science (30), and Leroy Bannerman (18).
- Tags:** A vertical list of tags, including African Americans (75), Composers (26), and Documentary (103).
- Program Detail:** The main content area features the title "The Affluent American (January 10, 1966)" and a descriptive paragraph. It includes social media sharing buttons (Facebook, Twitter), production credits (Producer: WDET, Host: Betty E. Ch'ma), and interviewee names (Alan Harrington, Marshall Fishwick). Below this is a color-coded navigation bar with buttons for Sociology, Study and Teaching, History, Interview, and 1961-1970. Further down are three green buttons: Ch'ma, Betty E. M., WDET (Radio station: Detroit, MI), and Wayne State University. An audio player with a waveform and a "Premium Transcript" link is also present.
- Metadata:** A section displaying item ID 199522813-1, broadcast date 1973-03-14, physical format (1 sound tape reel), and digital format (WAV).
- Discover More:** A vertical sidebar on the right titled "Discover More..." containing links to "Finding Aid: NAEB Collection (Paper)", "Original Distribution Program Notes for 'Portrait of an American'", and "List of WDET social issues programming (1965)".

## Radio Preservation Task Force 2017 : Metadata Infrastructure Panel Presentation (Sapienza)

NAEB PBCore Metadata.xlsx										
File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive										
WDID										
	A	B	C	D	E	F	G	H	I	J
1	Radio Stations		LOCID	Resolver url	WDID	instance of		Administrative Territ		Cc
2	WDET (Radio station : Detroit, Mich.)	http://fd.loc.gov/search/?q=n91024058	https://tools.wmflabs.org/wikidata-todo/reso	Q7948371	Instance of	radio station	located in the administra	Michigan	cc	
3	WSUI (Radio station : Iowa City, Iowa)	http://fd.loc.gov/search/?q=n2003085021	https://tools.wmflabs.org/wikidata-todo/reso	Q7955975	Instance of	radio station	located in the administra	Iowa	cc	
4	KUOM (Radio station : Minneapolis, Minn.)	http://fd.loc.gov/search/?q=n02002027716	https://tools.wmflabs.org/wikidata-todo/reso	Q7280867	Instance of	radio station	located in the administra	Minnesota	cc	
5	WHA (Radio station : Madison, Wis.)	http://fd.loc.gov/search/?q=n91081816	https://tools.wmflabs.org/wikidata-todo/reso	Q7950064	Instance of	radio station	located in the administra	Madison	cc	
6	KUOM (Radio station : Minneapolis, Minn.)	http://fd.loc.gov/search/?q=n02002027716	https://tools.wmflabs.org/wikidata-todo/reso	Q7280867	Instance of	radio station	located in the administra	Madison, Wisconsin	cc	
7	WAMU-FM (Radio station : Washington, D.C.)	http://fd.loc.gov/search/?q=n08028154	https://tools.wmflabs.org/wikidata-todo/reso	Q3564603	Instance of	radio station	located in the administra	Washington, D.C.	cc	
8	WBAA (Radio station : West Lafayette, Ind.)	http://fd.loc.gov/search/?q=n00115468	https://tools.wmflabs.org/wikidata-todo/reso	Q7946953	Instance of	radio station	located in the administra			
9	WOI (Radio station : Ames, Iowa)	http://fd.loc.gov/search/?q=n08027187	https://tools.wmflabs.org/wikidata-todo/reso	Q7953842	Instance of	radio station	located in the administra	Iowa	cc	
10	WHYY (Radio station : Philadelphia, Pa.)	http://fd.loc.gov/search/?q=n08028227	https://tools.wmflabs.org/wikidata-todo/reso	Q7950522	Instance of	radio station	located in the administra	Pennsylvania	cc	
11	KUT (Radio station : Austin, Tex.)	http://fd.loc.gov/search/?q=n08028199	https://tools.wmflabs.org/wikidata-todo/reso	Q6339755	Instance of	radio station	located in the administra	Texas	cc	
12	KPFA (Radio station : Berkeley, Calif.)	http://fd.loc.gov/search/?q=n91021369	https://tools.wmflabs.org/wikidata-todo/reso	Q3191478	Instance of	radio station	located in the administra			
14	WFMT (Radio station : Chicago, Ill.)	http://fd.loc.gov/search/?q=n087812608	https://tools.wmflabs.org/wikidata-todo/reso	Q7949402	Instance of	radio station	located in the administra	Illinois	cc	
15	WNYC (Radio station : New York, N.Y.)	http://fd.loc.gov/search/?q=n081047053	https://tools.wmflabs.org/wikidata-todo/reso	Q1551068	Instance of	radio station	located in the administra	New York	cc	
16	WETA (Radio station : Arlington, Va.)	http://fd.loc.gov/search/?q=n088001746	https://tools.wmflabs.org/wikidata-todo/reso	Q7949066	Instance of	radio station	located in the administra			
17	WETS (Radio station : Johnson City, Tenn.)	http://fd.loc.gov/search/?q=n0201413036	https://tools.wmflabs.org/wikidata-todo/reso	Q7949075	Instance of	radio station	located in the administra	Tennessee	cc	
18	WBUR (Radio station : Boston, Mass.)	http://fd.loc.gov/search/?q=n02012145404	https://tools.wmflabs.org/wikidata-todo/reso	Q7947483	Instance of	radio station	located in the administra	Massachusetts	cc	
19	WGBH (Radio station : Boston, Mass.)	http://fd.loc.gov/search/?q=n050047084	https://tools.wmflabs.org/wikidata-todo/reso	Q7949667	Instance of	radio station	located in the administra	Massachusetts	cc	
20	WFIU (Radio station : Bloomington, Ind.)	http://fd.loc.gov/search/?q=n082201298	https://tools.wmflabs.org/wikidata-todo/reso	Q7949323	Instance of	radio station	located in the administra	Indiana	cc	
23	WBBM (Radio station : Chicago, Ill.)	http://fd.loc.gov/search/?q=n000011401	https://tools.wmflabs.org/wikidata-todo/reso	Q7947006	Instance of	radio station	located in the administra	Illinois	cc	
28	WGUC (Radio station : Cincinnati, Ohio)	http://fd.loc.gov/search/?q=n02005116538	https://tools.wmflabs.org/wikidata-todo/reso	Q7949982	Instance of	radio station	located in the administra	Ohio	cc	
29	KOAC (Radio station : Corvallis, Or.)	http://fd.loc.gov/search/?q=n02011153873	https://tools.wmflabs.org/wikidata-todo/reso	Q6334739	Instance of	radio station	located in the administra	Oregon	cc	
30	Radio Moskva (Radio station : Moscow)	http://fd.loc.gov/search/?q=n02012040022	https://tools.wmflabs.org/wikidata-todo/reso	Q18555670	Instance of	broadcast netwo			cc	
31	WUOM (Radio station : Ann Arbor, Mich.)	http://fd.loc.gov/search/?q=n NA	https://tools.wmflabs.org/wikidata-todo/reso	Q7956639	Instance of	radio station	located in the administra	Michigan	cc	
32	KPCC-FM (Radio station : Pasadena, Calif.)	http://fd.loc.gov/search/?q=n096063970	https://tools.wmflabs.org/wikidata-todo/reso	Q6335477	Instance of	radio station	located in the administra	Pasadena	cc	
39	WBFO (Radio station : Buffalo, N.Y.)	http://fd.loc.gov/search/?q=n089617894	https://tools.wmflabs.org/wikidata-todo/reso	Q7947112	Instance of	radio station	located in the administra	New York	cc	
40	WLJB (Radio station : New York, N.Y.)	http://fd.loc.gov/search/?q=n089608112	https://tools.wmflabs.org/wikidata-todo/reso	Q7952248	Instance of	radio station	located in the administra	New Jersey	cc	