



**Getting started with research for your 2020 National History Day project?**  
**The following list has some great recommendations that connect APS**  
**Library & Museum collections to the “Breaking Barriers in History” theme!**

### **Exhibitions/Digital Galleries**

#### Mapping a Nation

- This exhibition highlights the evolution of maps from the mid-18<sup>th</sup> century through 1816 to investigate the way maps had political and social meaning.
- Theme Connection(s):
  - Early mapping provided Americans a way to visualize life in the expanding west and show what the new nation could be and what it could look like.
  - From Lewis & Clark to John Mitchell’s famous map of the American-British Empire, this exhibition highlights how maps can break ideological, political, and even natural barriers by extending people’s world view from across the globe.
- Grades/Subjects:
  - 6-12<sup>th</sup> grade geography, early American history, cartography
- Helpful Link(s)
  - <https://www.amphilsoc.org/museum/exhibitions/mapping-nation-shaping-early-american-republic>

#### Frontiers of Knowledge: Britton Chance and New Channels of Discovery

- This digital gallery showcases the work of Britton Chance, an inventor and pioneer in science and his effort in developing long range radar for the US Military during World War II. The gallery offers extensive amounts of primary sources including photographs, letters, and other documents.
- Theme connection(s):
  - Britton Chance was a man who broke many barriers through his inventions and scientific research.
  - Throughout his life, he was dedicated to acting as the “‘ice-breaker’ to forge new channels of discovery”, which included revolutionizing the way science observes the unobservable and developing new ways to detect cancer tumors.
- Grades/Subjects:
  - 9-12<sup>th</sup> grade scientific history, medical history
- Helpful Link(s):
  - <https://diglib.amphilsoc.org/labs/chance>

## Collections

### Barry Blumberg (1925-2011)

- Years active: 1950-2010
- Theme connection(s):
  - The pinnacle of Blumberg's career came when he discovered the Hepatitis B Virus and created its vaccine.
- Grades/Subjects: 8<sup>th</sup>-12<sup>th</sup> grade history, science, and biology
- Helpful link(s):
  - <https://search.amphilsoc.org/collections/view?docId=ead/Mss.Ms.Coll.144-ead.xml;query=Blumberg;brand=default>
  - <https://diglib.amphilsoc.org/labs/blumberg/>

### Charles Darwin

- Years active: 1820-1882
- Theme connection(s):
  - Charles Darwin's theory of evolution is a prime example of breaking barriers in science.
- Grades/Subjects: 8<sup>th</sup>-12<sup>th</sup> grade scientific history, history, and social studies
- Helpful link(s):
  - <https://diglib.amphilsoc.org/islandora/search/Darwin?type=dismax>

### Mary Haas

- Years active: 1930-1990
- Theme connection(s):
  - Mary Haas' groundbreaking work in linguistics (the study of language) left a lasting legacy and led to the preservation of a number of Native American languages. Haas broke many gender barriers in pursuing her work
- Grades/Subjects: 9<sup>th</sup>-12<sup>th</sup> grade history
- Helpful link(s):
  - <https://search.amphilsoc.org/collections/view?docId=ead/Mss.Ms.Coll.94-ead.xml>
  - <https://diglib.amphilsoc.org/islandora/search/%22Mary%20Haas%22?type=dismax>

### Barbara McClintock

- Years active: 1919-1990
- Theme connection(s):
  - McClintock was the first American woman to win an unshared Nobel Prize.
  - McClintock broke barriers not just a woman in the scientific fields but through her renowned work on maize and with genetics
- Grades/Subjects: 9<sup>th</sup>-12<sup>th</sup> grade biology, genetics, and history
- Helpful link(s):
  - <https://search.amphilsoc.org/collections/view?docId=ead/Mss.Ms.Coll.79-ead.xml;query=McClintock;brand=default>
  - <https://diglib.amphilsoc.org/islandora/search/McClintock?type=dismax>