



Western Name Authority File

Preparing Charles Savage for Linked Data

October 28, 2017

Charles R. Savage

<https://collections.lib.utah.edu/details?id=432965>

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J. Willard Marriott Library

THE UNIVERSITY OF UTAH



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Charles R. Savage
<https://collections.lib.utah.edu/details?id=432964>



Salt Lake City Panoramic View-From Arsenel Hill P.20
<https://collections.lib.utah.edu/details?id=456069>



University of Deseret

<https://collections.lib.utah.edu/details?id=445664>



[Pioneers and covered wagons]

<http://contentdm.lib.byu.edu/cdm/ref/collection/Savage/id/1203>

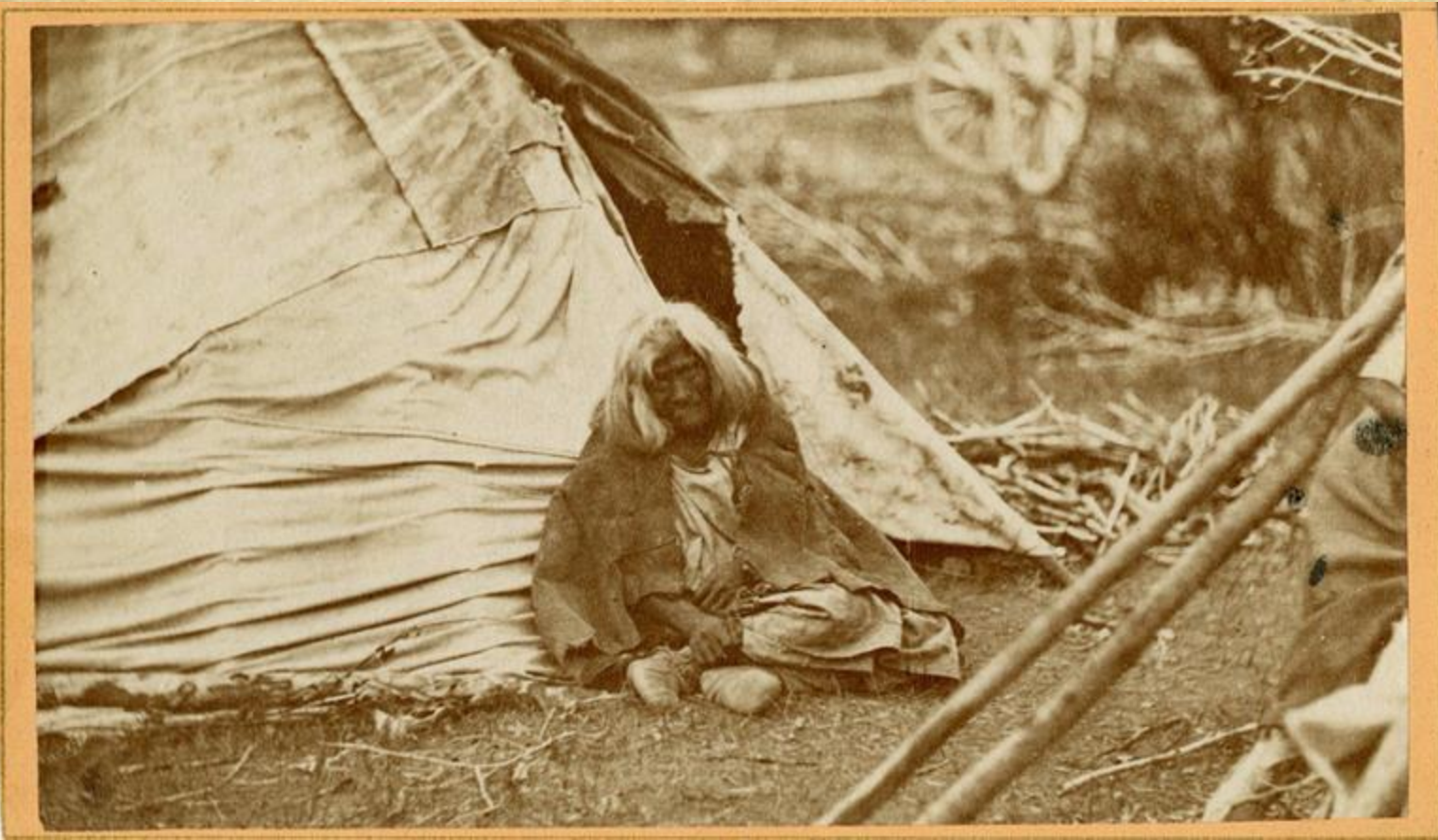


[Railroad workers at Promontory Point; May 10, 1869]
<http://contentdm.lib.byu.edu/cdm/ref/collection/Savage/id/759>



Oregon Short Line Railroad P.46

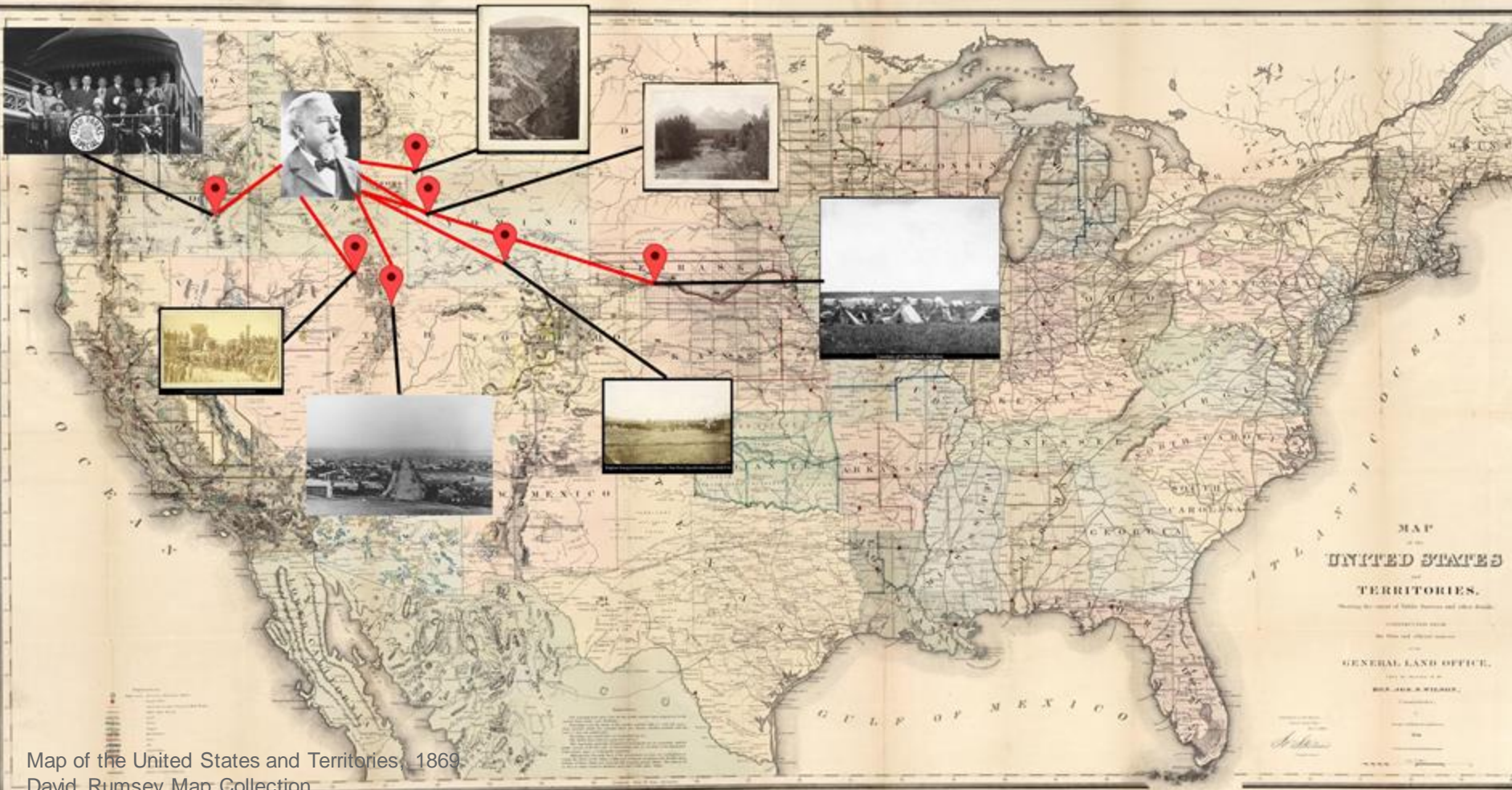
<https://collections.lib.utah.edu/details?id=439099>



Indian with wagon and tent (on the reverse in ink at the head Renack(?), near Bridger. 130 years old
<https://collections.lib.utah.edu/details?id=983774>



Canon of the Yellowstone from top of Lower Fall; C.R. Savage, Salt Lake
<http://contentdm.lib.byu.edu/cdm/ref/collection/Savage/id/1060>



Map of the United States and Territories, 1869
David Rumsey Map Collection
<https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~234626~5510158>

MAP
OF THE
UNITED STATES
AND
TERRITORIES.

GENERAL LAND OFFICE.

Arthur



[Remains of Savage fire]

<http://contentdm.lib.byu.edu/cdm/ref/collection/Savage/id/1341>

Metadata aggregation problems

- Savage, C. R. (Charles Roscoe), 1832-1909
- Savage, C.R. (Charles Roscoe),1832-1909
- Savage, C.R.(Charles Roscoe),1832-1909
- Savage, C.R. (Charles Roscoe)
- Savage, Charles R.
- C. R. Savage (Charles Roscoe Savage and George Ottinger)
- Charles R. Savage
- Savage, Charles Roscoe
- C. R. (Charles Roscoe) Savage, photographer
- Savage, C. R.
- Charles R.
- Savage

Charles R. Savage,
perplexed by his
many name
variants.



Charles R. Savage

<http://contentdm.lib.byu.edu/cdm/ref/collection/Savage2/id/1749>

More metadata, more metadata problems

- Vendor based DAMS often not offering good authority control solutions
- Use LC Authorities as best we can
- Hosting partner collections = less control over cataloging practices
- Libraries often consult additional regional names sources
 - Daughters of Utah Pioneers name index:

http://www.dupinternational.org/pioneer_index.php

Last Name	Given Name	Maiden Name	Birth Date	Death Date
Savage	Adelaide	Cooper	28 Nov 1852	23 May 1935
Savage	Alma		14 Oct 1859	9 Jun 1943
Savage	Annie	Adkins	6 Feb 1836	30 Nov 1893
Savage	Charles Frederick		21 Feb 1868	1951
Savage	Charles Roscoe		16 Aug 1832	3 Feb 1909
Savage	Cornelius		4 Aug 1861	2 Jun 1941
Savage	David Leonard		25 Jul 1810	26 Apr 1886
Savage	Eliseman (Lisiman)	Palmer	10 Sep 1806	14 Nov 1884
Savage	Ellen	Fenn	14 Feb 1843	7 Apr 1925

IMLS Grant for regional authority control

1. Investigating data models to express local/regional name authority data using linked data standards
2. Evaluation of tools used for creating, maintaining, and making this data available
3. Pilot implementation using the selected tool(s)
4. Assessment of how this authority data can improve digital collection metadata on a local, regional, and national level

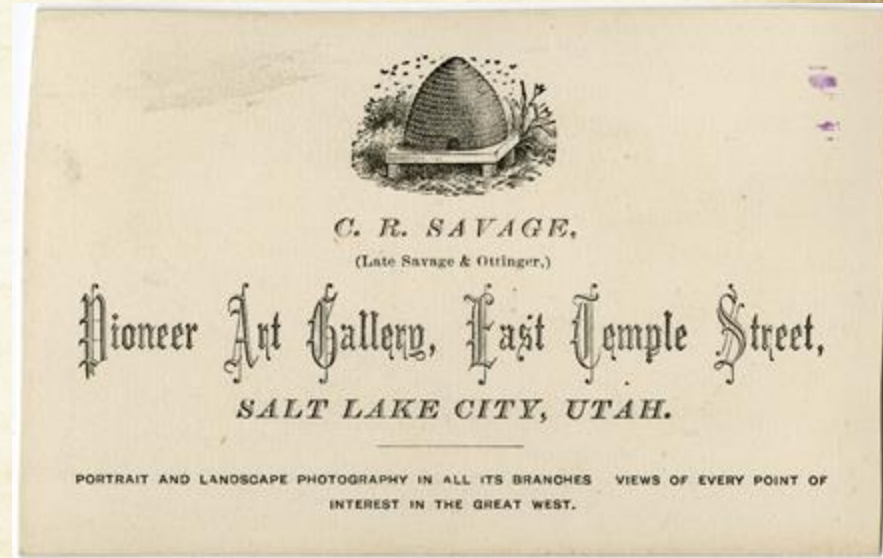


Eagle Gate P.55, Salt Lake City, C.R. Savage, photo
<https://collections.lib.utah.edu/details?id=442555>

Libraries Working Together

Project Partners

- Brigham Young University
- Oregon Digital (Univ. of Oregon and Oregon State Univ.)
- University of Nevada, Reno
- University of Utah
- University of Denver
- Utah Department of Heritage and Arts
- Utah State Archives
- Utah State University



American Hotel, Salt Lake City, back of carte-de-visite
<https://collections.lib.utah.edu/details?id=983816>

Data Models: Collaborative Investigation

Data to capture

- Preferred form of name
- Alternate forms of name
- Local authority source
- Institution holdings
- Relationship information

Data Models Explored


- SKOS
- OWL
- BIBFRAME Authorities/Agent/Role
- **EAC-CPF**



Charles R. Savage Family

<https://collections.lib.utah.edu/details?id=432966>

Investigating tools/frameworks (systems to test)

TEMATRES 

 iQvoc

ThManager

Opaque Namespace
Controlled Vocabulary
Manager

VocBench 2.0

 COLLECTIVE
ACCESS

redis

 Jena

 Refine 

Skosmos

Vitro

Investigating tools/frameworks (evaluation matrix)

Name	Website	Description	Local URL	General Impressions/testing notes
xEAC	https://github.com/ewg118/xEAC	Beta software, used by the American Numismatic Society	xeac.staging.lib.utah.edu	Not investigated - Proved to be too difficult to install in our sandbox environment
Apache Jena	https://jena.apache.org/	"A free and open source Java framework for building Semantic Web and Linked Data applications."	jena.staging.lib.utah.edu	Not investigated, but keep in mind if we have more development support in the future
TemaTres	http://www.vocabularyserver.com/	"an open source vocabulary server, web application to manage and exploit vocabularies, thesauri, taxonomies and formal representations of knowledge."	https://tematres.staging.lib.utah.edu	Good for simple vocabularies. Additional granularity could be accomplished by putting more information in notes and meta-terms, and/or adopting custom URL scheme to contain additional elements of descriptive information about our vocabulary.
Collective Access	http://www.collectiveaccess.org/	"CollectiveAccess is software for describing all manner of things, and allows you to create catalogues that closely conform to your needs without custom programming."	https://collectiveaccess.staging.lib.utah.edu	Highly customizable and configurable, but may take an additional time investment to discover if it will work well for how we are structuring WNAF. Can define custom vocabularies. Out of the box entity management functions match up with some elements from EAC-CPF. Integration with external vocabularies like LCNAP and ULAN.

Investigating tools/frameworks (CollectiveAccess)

The screenshot displays the CollectiveAccess web interface. At the top left is the logo 'CA COLLECTIVEACCESS'. The top navigation bar includes links for 'NEW', 'FIND', 'MANAGE', 'IMPORT', and 'HISTORY', along with a search input field. On the left sidebar, there are sections for 'SEARCH ENTITIES', 'HISTORY:' (showing 'pn* (4) View'), 'SAVED SEARCHES:' (showing '- Search'), and 'SEARCH BY SET:' (showing 'wilcox Search'). Below these is a 'Set Tools' button. The main content area features a search bar with the text 'Search: |' and a 'Save search' link. Below the search bar, it states 'Your search found 4 entities'. To the right of this text are icons for a document, a calendar, and a gear. The search results are presented in a table with columns for 'Edit', 'Entity identifier', and 'Display name'. The table contains four rows of data.

SEARCH ENTITIES

HISTORY:
pn* (4) View

SAVED SEARCHES:
- Search

SEARCH BY SET:
wilcox Search

Set Tools

SEARCH
ADVANCED SEARCH
BROWSE

NEW FIND MANAGE IMPORT HISTORY

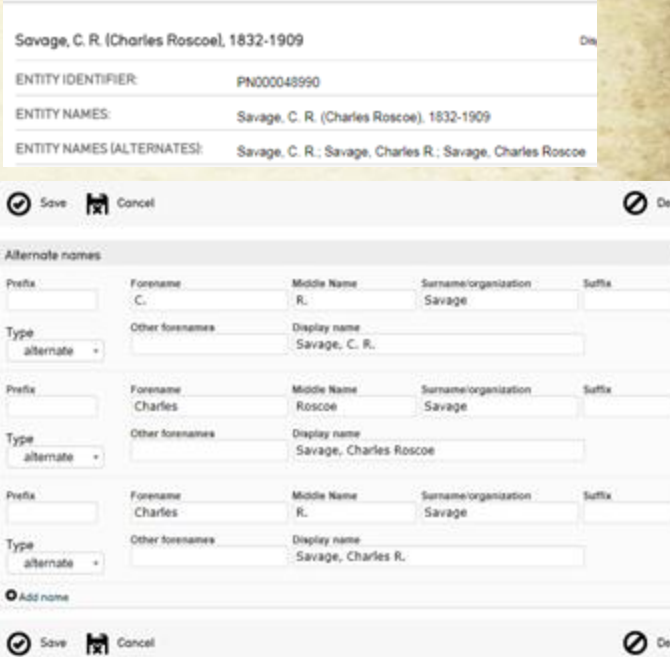
Search: | Save search Search

Your search found 4 entities

Edit	Entity identifier	Display name
	PN000060002	Wilcox, James Henry
	PN000048990	Savage, C. R. (Charles Roscoe), 1832-1909
	PN000026124	Richardson, Eunice Lettie Hickman, 1865-1946
	PN000046779	Richardson, Thomas, 1861-1923

User: Jeremy Myntti > Preferences > Logout | © 2015 Whirl-i-Gig. CollectiveAccess is a trademark of Whirl-i-Gig [0.1180s/2.00M]

Collective Access Entities

WNAF Fields	EAC-CPF	Collective Access
<p>Data to capture</p> <ul style="list-style-type: none"> Preferred form of name Alternate form(s) of name Local authority source Institution holdings Relationship information Date Geographic area Local identifier LCNAF URI (if available) 	<pre> <cpfDescription> <identity> <entityType>person</entityType> <nameEntry> <part>Savage, C. R. (Charles Roscoe), 1832-1909</part> <authorizedForm>LC</authorizedForm> <authorizedForm>utsu</authorizedForm> <authorizedForm>uut</authorizedForm> <authorizedForm>byu</authorizedForm> <authorizedForm>wnaf</authorizedForm> </nameEntry> <nameEntry> <part>Savage, Charles Roscoe</part> </nameEntry> <nameEntry> <part>Savage, C. R. 1832-1909</part> <alternativeForm>VIAF</alternativeForm> </nameEntry> </pre>	

Pilot Implementation

- Perform full evaluation of Collective Access
- Student assistant work
- Enrich data with relationships and collections holding information
- Set up an OpenRefine reconciliation service for the WNAF
- Develop and revise collaborative workflows



Savage, Charles R.--Residences P.1
<https://collections.lib.utah.edu/details?id=447285>

Metadata wrangling (data submitted)

Savage, Annie Adkins, 1836-1893
Savage, Annie Amelia
Savage, C. R.
Savage, C. R. (Charles Roscoe)
Savage, C. R. (Charles Roscoe), 1832-1909
Savage, C.R.
Savage, Carlton
Savage, Charles
Savage, Charles H.
Savage, Charles R.
Savage, Charles Roscoe
Savage, Chas. R.
Savage, D. S. (Derek S.)
Savage, Fannie

```
{"@id":"http://opaquenamespace.org/ns/people/SavageCarlton",  
  "@type": "skos:Concept",  
  "dc:issued": {"@value": "2016-03-16",  
    "@type": "xsd:date"},  
  "dc:modified": {"@value": "2016-03-16",  
    "@type": "xsd:date"},  
  "rdfs:comment": {"@value": "University of Oregon alumnus?",  
    "@language": "en"},  
  "rdfs:label": {"@value": "Savage, Carlton",  
    "@language": "en"}  
},
```

Barron, Mrs. M. (child) MSS C C. R. Savage Company Portrait Collection, ca. 1920s 31115 Names associated with the image can refer to the individual photographed or the individual who commissioned the photograph 1920; 1921; 1922; 1923; 1924; 1925; 1926; 1927; 1928; 1929; 1930 Photography--Studios and dark rooms; Portraits; Biography--20th century--Portraits; Salt Lake City, Salt Lake County, Utah, United States Nineteen twenties Photograph from the C.R. Savage Portrait Studio. Name associated with the photograph: Mrs. M. Barron Online access. Reproduction and use by permission from Utah State History. Published by Utah State History; digitized and hosted by J. Willard Marriott Library, University of Utah Image;StillImage image/jpg

Savage, C. R. (Charles Roscoe), 1832-1909
Savage, Charles R., 1832-1909 USE Savage, C. R. (Charles Roscoe), 1832-1909
Savage, Charles Roscoe, 1832-1909 USE Savage, C. R. (Charles Roscoe), 1832-1909

Metadata wrangling (data compiled)

Name	Institution	Collection	Field
C. R. Savage	BYU	RSMag	creator
C. R. Savage	USHS	Classified Photos	Photographer
C.R. Savage	BYU	RSMag	creator
C.R. Savage	USHS	Classified Photos	Photographer
Savage, C. R. (Charles Roscoe)	USHS	Classified Photos	Photographer
Savage, C.R. (Charles Roscoe)	USHS	Classified Photos	Photographer
Savage, Charles	USHS	Classified Photos	Person
Savage, Charles R.	USHS	Classified Photos	Photographer
Savage, Charles Roscoe	BYU	mormon bib	author
Savage, Charles Roscoe	BYU	RelEd	creator
Savage, Chas. R.	USHS	Classified Photos	Photographer
Savage, Levi	BYU	Diaries	personal names
Savage, Levi	UU	John Mills Whitaker	creator
Savage, Roscoe E.	USHS	Classified Photos	Person

Metadata wrangling (data deduplicated)

Name	Institution;Collection;field	type	# of collections	# of institutions
Savage, C. R. (Charles Roscoe), 1832-1909	BYU;Savage;photographer -- BYU;YWJ;author -- USHS;Classified Photos;Person -- USU;bear;photographer -- USU;westernphotos;creator -- UU;Hotel Utah;Photographer/Studio -- UU;UAIDA;Creator	PN	25	4
Savage, C. R.	BYU;Diaries;personal names -- USHS;Classified Photos;Person -- USHS;Classified Photos;Photographer -- BYU;DUP;personal names -- USU;westernphotos;publisher	PN	5	3
C. R. Savage	BYU;RSMag;creator -- USHS;Classified Photos;Photographer	PN	2	2
Savage, Charles R.	USHS;Classified Photos;Person -- USHS;Classified Photos;Photographer	PN	2	1
Savage, C. R. (Charles Roscoe)	USHS;Classified Photos;Photographer	PN	1	1
Savage, Chas. R.	USHS;Classified Photos;Photographer	PN	1	1

Metadata wrangling (data reconciled)

Name	LCNAF Name	LCNAF URI
Savage, Charles Roscoe	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
C. R. Savage	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
C.R. Savage	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
Savage, Charles	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
Savage, Charles R.	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
Savage, C. R. (Charles Roscoe)	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
Savage, C.R. (Charles Roscoe)	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
Savage, Chas. R.	Savage, C. R. (Charles Roscoe), 1832-1909	http://id.loc.gov/authorities/names/n84131226
Savage, Levi	Savage, Levi, 1820-1910	http://id.loc.gov/authorities/names/no2012015057
Savage. M. W. (Marmion Wilard), 1803-1872	Savage. M. W. (Marmion Wilard), 1804-1872	http://id.loc.gov/authorities/names/n82155076
Savage, Roscoe E.	Savage, R. E. (Roscoe Eddington), 1858-1945	http://id.loc.gov/authorities/names/no2015126331
Savage, Carlton	Savage, Robert Carton, 1914-1987	http://id.loc.gov/authorities/names/n91069047

Metadata wrangling (cleanup work for partners)

Institution	Collection	Field	Name	LCNAF Name
BYU	Diaries	personal names	Savage, Levi	Savage, Levi, 1820-1910
BYU	mormon bib	author	Savage, Charles Roscoe	Savage, C. R. (Charles Roscoe), 1832-1909
BYU	RelEd	creator	Savage, Charles Roscoe	Savage, C. R. (Charles Roscoe), 1832-1909
BYU	RSMag	creator	C. R. Savage	Savage, C. R. (Charles Roscoe), 1832-1909
BYU	RSMag	creator	C.R. Savage	Savage, C. R. (Charles Roscoe), 1832-1909
USHS	Classified Photos	Person	Savage, Charles	Savage, C. R. (Charles Roscoe), 1832-1909
USHS	Classified Photos	Person	Savage, Roscoe E.	Savage, R. E. (Roscoe Eddington), 1858-1945
USHS	Classified Photos	Photographer	C. R. Savage	Savage, C. R. (Charles Roscoe), 1832-1909
USHS	Classified Photos	Photographer	C.R. Savage	Savage, C. R. (Charles Roscoe), 1832-1909
USHS	Classified Photos	Photographer	Savage, C. R. (Charles Roscoe)	Savage, C. R. (Charles Roscoe), 1832-1909
USHS	Classified Photos	Photographer	Savage, C.R. (Charles Roscoe)	Savage, C. R. (Charles Roscoe), 1832-1909
USHS	Classified Photos	Photographer	Savage, Charles R.	Savage, C. R. (Charles Roscoe), 1832-1909
USHS	Classified Photos	Photographer	Savage, Chas. R.	Savage, C. R. (Charles Roscoe), 1832-1909
UU	John Mills Whitaker	creator	Savage, Levi	Savage, Levi, 1820-1910

Metadata wrangling (NACO work)

LCNAF Authorized Form	LCCN
Neilson, N. P. (Neils Peter), 1895-	no2012067295
Groberg, Delbert V., 1906-	n86859283
Quinn, Mildred D., 1908-	n78095395
Howard, Quentin, 1908-	n87852664
Clark, James R., (James Ratcliffe), 1910-	no2010206394
Haglund, Elizabeth, 1914-	n80135182
Dougherty, Thomas F. (Thomas Francis), 1915-	n85814883

Savage, Annie Adkins (Mother)
Savage, Annie Adkins, 1836-1893
Savage, Annie Amelia
Savage, Fannie
Savage, George L.
Savage, Ida May
Savage, Julia M
Savage, Julie Paige Hemming
Savage, Kellie
Savage, Kristin
Savage, Lana Snow
Savage, Lenny Louise
Savage, Levi Mathers
Savage, Luacine Annette
Savage, Meda
Savage, Nilson
Savage, Ralph G.
Savage, Ray T.
Savage, Rudy C.
Savage, Sarah, 1860-1932
Savage, Stephen R.

Assessment (workflows)

- Managing vocabulary
- Reconciliation issues
 - Need external system not tied to specific digital library software/infrastructure
- Explore impact of WNAF on metadata creators and users
- Training opportunities



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Charles R. Savage and George M. Ottinger
<https://collections.lib.utah.edu/details?id=432950>

Assessment (statistics)

SQLite database, use python requests library to query DPLA API - get stats on coverage for name variants in MWDL and DPLA.

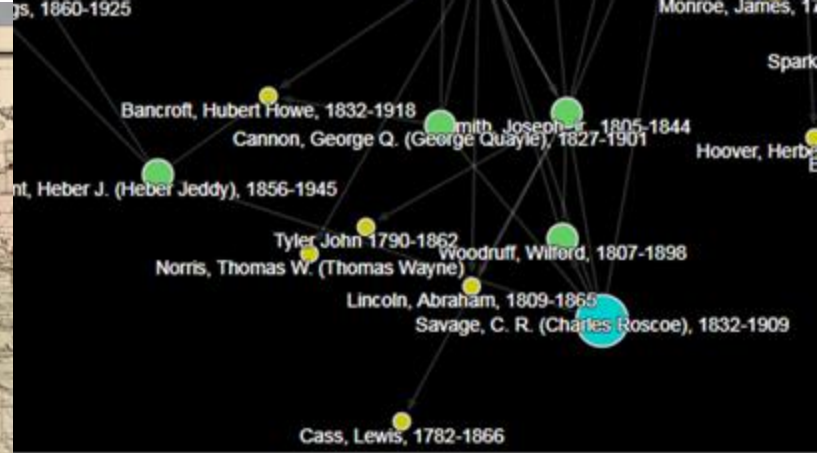


The Tetons from the East, South Fork of Snake River
<http://contentdm.lib.byu.edu/cdm/ref/collection/Savage/id/1138>

Search results in December 2016	Creator		Subject	
	MWDL	DPLA	MWDL	DPLA
Name				
Savage, C. R.	2022	2226	44	50
Savage, C. R. (Charles Roscoe)	1830	2023	43	44
Savage, C. R. (Charles Roscoe), 1832-1909	1708	1901	43	43
Savage, C. R., 1832-1909	1708	1901	43	43
Savage, Charles	1936	2165	60	126
Savage, Charles R.	1932	2128	58	65
Savage, Charles R., 1832-1909	1708	1902	43	43
Savage, Charles Roscoe	1833	2034	44	53
Savage, Charles Roscoe, 1832-1909	1708	1904	43	43
Savage, Charles, 1832-1909	1708	1905	43	43
Savage, Chas. R.	1	1	0	1
Savage, Chas. R., 1832-1909	0	0	0	0

SNAC Connection Graph for Charles Savage

http://snaccooperative.org/visualize/connection_graph/35473261/5160799



Map of the United States and Territories, 1869

David Rumsey Map Collection

<https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~234626~5510158>

Joining of Rails, Promontory Point; May 10, 1869]

<http://contentdm.lib.byu.edu/cdm/ref/collection/Savage/id/757>

Further reading and acknowledgements

Grant Narrative

<https://www.imls.gov/grants/awarded/LG-72-16-0002-16>

Project Webpage

<https://sites.google.com/site/westernnameauthorityfile/home>

This project was made possible
in part by the Institute of
Museum and Library Services
LG-72-16-0002-16.



Savage, Charles R. - Monument P.2
<https://collections.lib.utah.edu/details?id=44293>