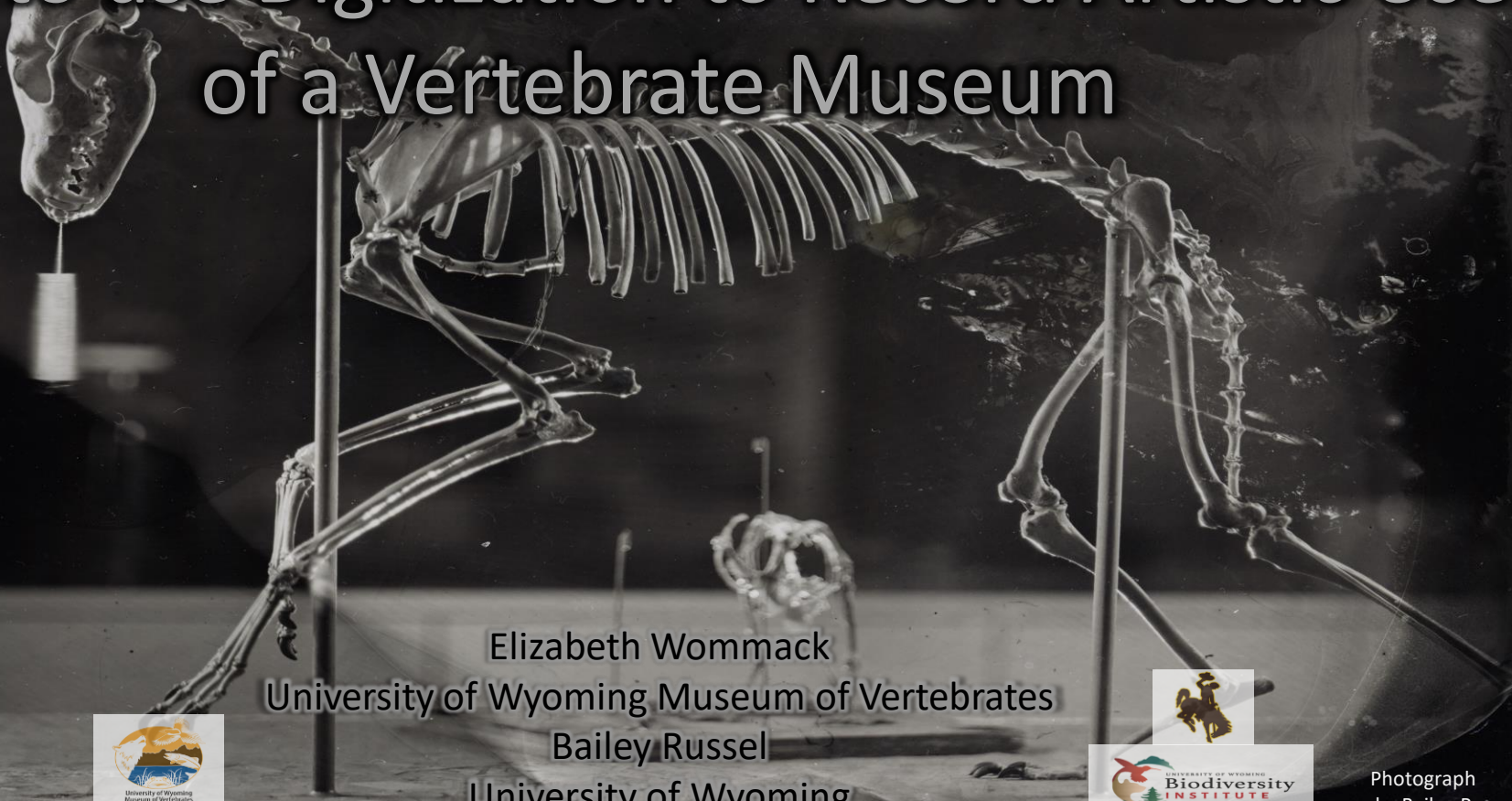


Tracking the Art

How to use Digitization to Record Artistic Use of a Vertebrate Museum



Elizabeth Wommack
University of Wyoming Museum of Vertebrates

Bailey Russel
University of Wyoming



Photograph
by Bailey Russel

The University of Wyoming Museum of Vertebrates (UWYMV)



Wilbur C. Knight



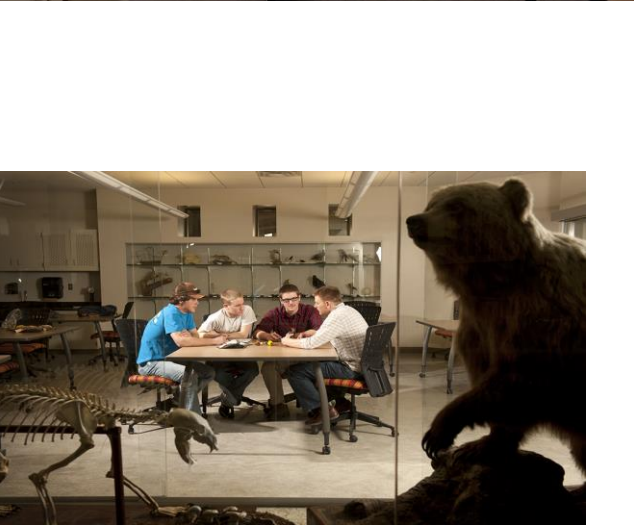
Chas W. Gilmore

Ernest P. Walker



The UWYMV

Berry Biodiversity Conservation Center





The UWYMV

- 3173 bird specimens (skins, skeletons, eggs, and nests)
- 6531 mammal specimens (skins, pelts, and skeletons)
- 706 herp specimens (alcohols)
- 3064 fish specimens (alcohols)





Use of the Collections

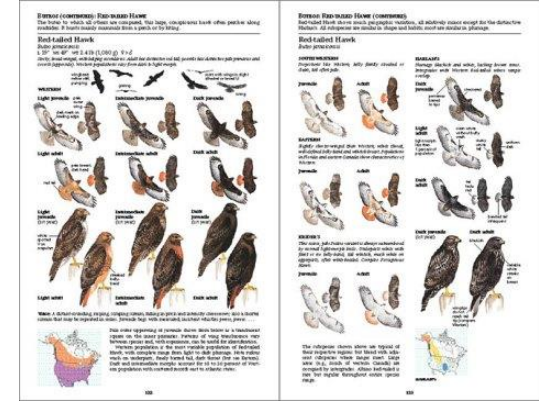
- Loans
 - Genetic
 - Whole specimens
- School and class visits
- Visiting Researchers
- What type and areas of research?



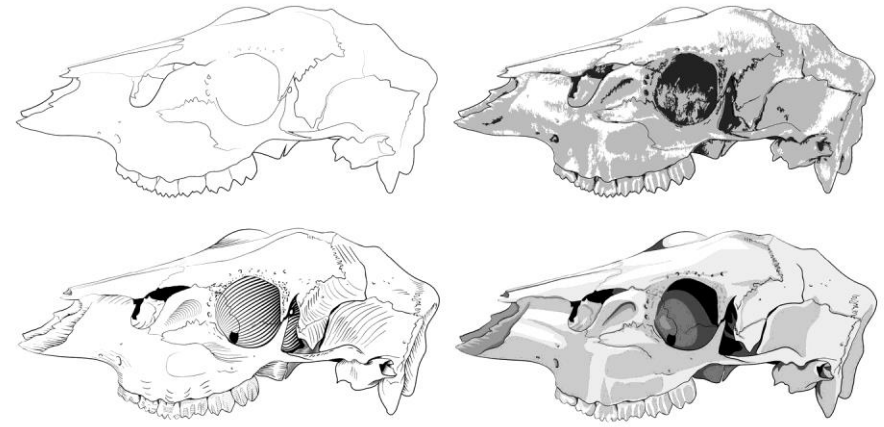


Artists in Natural History Collections

- Field Guides
- Scientific Illustration
- Creation of displays and education pieces



Sibley Field Guide



Jennifer Bates



Artists in Natural History Collections



Draper Natural History Museum



Artists in Natural History Collections

Artists as researchers

How do you track artistic creations from natural history museums?

- Loans
- Projects (Arctos)
- Digitization of Art



Sara Carabajal



Bailey Russel



Artists in Natural History Collections



Bailey Russel

University of Wyoming Art Department





Artists in Natural History Collections



Collaborative Collection Management Solution

[Search](#) [Enter Data](#) [Manage Data](#) [Manage Arctos](#) [Reports/Services](#) [Portals](#) [My Stuff](#) [About/Help](#)

[\[Create media \]](#)



42.431, -106.557;
Elev. not recorded

- [get a DOI](#)
- Wet plate photographic art work created with UWYMV specimens.
- MD5 checksum: eeb277c9a2839ae26aec0b3f59f3dae2
- associated with project [Wet Plate Photography at the UWYMV](#)
- shows cataloged_item [UWYMV:Mamm 2354 \(Odocoileus hemionus\)](#)
- created by agent [Bailey Russel](#)
- shows cataloged_item [UWYMV:Mamm 6259 \(Ursus arctos middendorfi\)](#)

image (image/jpeg)
[Copyright Restricted](#)

[\[edit media \]](#)
[\[add or edit TAGs \]](#)



- [Data Providers](#)
- [Report a bug or request support](#)

Error: 210 m
Georeference Source: GeoLocate
Georeference Protocol: GeoLocate



image (image/jpeg)
[Media Details](#)
[Copyright Restricted](#)
Wet plate photographic art ...



Artists in Natural History Collections

Benefits to Collection

- Track use of collection
- Show collaborations and connections between arts and sciences
- Expand use of database to a wider audience
- Inspire

Benefits to Artist

- Wider exposure of art to new audiences
- Provide a new way for people to find and be exposed to the art
- A permanent link through the museum database where a digital copy of the art can be stored.





Artists in Natural History Collections

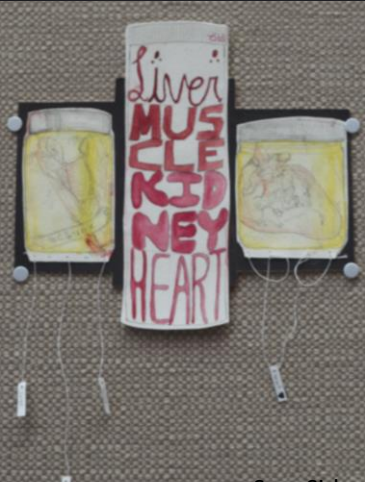
art in the Museum:
**INSPIRED
BY
LIFE**



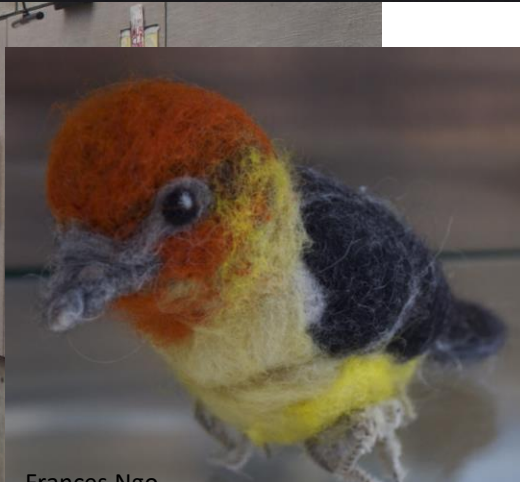
Whitley Felver



Annika Poitras



Sara Sirk



Frances Ngo



Artists in Natural History Collections



UWYMV:Bird:3171

collector number: 54

Spinus tristis pallidus

[Return to results](#)

[get a DOI](#)

Columbia Basin Wildlife Area, Desert Unit, 17.7 km NNE Royal City

North America, United States, Washington, Grant County

6 Jun 2012

tissue (frozen); stomach (70% ethanol); tongue (70% ethanol); skin, study

[Identification](#) [Accn](#) [Locality](#) [Agents](#) [Parts](#) [Part Loan](#) [Attributes](#) [Other IDs](#) [Media](#) [Encumbrances](#)

Identifications

[Spinus tristis pallidus](#)

Animalia; Chordata; Aves; Passeriformes; Fringillidae; Carduelinae; Spinus tristis pallidus

Identified by Elizabeth A. Wommack on 2018-03-23

Nature of ID: geographic distribution

Collector(s)

[Katherine E. Zarn](#) [Jacob R. Saucier](#)

Identifiers

UWYMV Frozen Tissue Collection: B-586

collector number: 54

Location (1 Events)



[BerkeleyMapper](#)

Determination Type: collection

assigned by Elizabeth A. Wommack on 2018-03-23

Higher Geography: North America, United States, Washington, Grant County [more](#)

Verbatim Locality: Columbia Basin Wildlife Area, Desert Unit, 17.7 km NNE Royal City, Grant Co., Washington, 11T 306528E 5213783N, 340m

Specific Locality: Columbia Basin Wildlife Area, Desert Unit, 17.7 km NNE Royal City

Habitat: sage desert

Collecting Method: shot

Collecting Source: wild caught

Event Date: 2012-06-06

Verbatim Date: 6 Jun 2012

Verification Status: unverified [Define](#)

Coordinates: 47.048083 / -119.540319

Verbatim Coordinates: 47.048083;-119.540319

Datum: World Geodetic System 1984

Error: 1165 m

Georeference Source: GeoLocate

Georeference Protocol: GeoLocate

Elevation 340 to 340 m



[map key/foots](#)

Parts

Part Name	Condition	Disposition	Qty	Label	Barcode	PLPath	Loan	Remarks
skin, study	unchecked	in collection	1					
stomach (70% ethanol)	unchecked	in collection	1					
tissue (frozen)	unchecked	in collection	1					Tissue B-586
tongue (70% ethanol)	unchecked	in collection	1					

Attributes [expand](#)

sex: male

Katherine E. Zarn, 2013-03-31

age: adult

Katherine E. Zarn, 2013-03-31

bursa: no bursa

Katherine E. Zarn, 2013-03-31

colors: irs dark brown, bill light orange with dusky tip, legs tan

Katherine E. Zarn, 2013-03-31

fat deposition: light fat

Katherine E. Zarn, 2013-03-31

molt condition: no molt

Katherine E. Zarn, 2013-03-31

reproductive data: testis: L 6 x 5 mm

Katherine E. Zarn, 2013-03-31

skull ossification: skull 100% ossified

Entered By: Elizabeth A. Wommack on 2018-03-23

Last Edited By: UAM on 2018-05-24

Accession

[Edit 24](#) or [View 24](#)

Media

Showing Media results 1 - 1 of 1 [\[view details \]](#)

[Media linked to this specimen](#)



image (image/jpeg)

[Media Details](#)

Copyright Restricted [\[\]](#)

Art piece created with inspir...



Artists in Natural History Collections

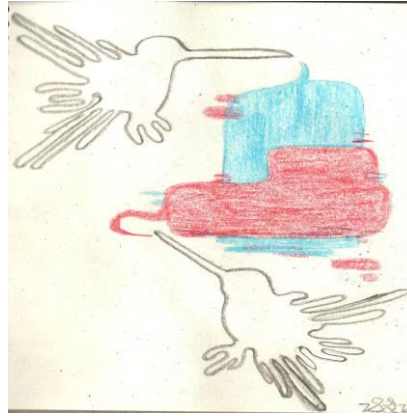
After you have inspired and connected to artists, make sure to keep the communication open.

- Expand art back into science

Intersections: Approaching Art and Science

By Sara Sirk and Frances Ngo

It Takes All Kinds in Acoustic Communication: A New Perspective on the Song Overlapping Phenomenon, by Bartosz Helfer & Tomasz S. Osiejuk



Celestial Rotation: Its Importance in the Development of Migratory Orientation, by Stephen T. Emlen



Acknowledgements



Staff and faculty at the
University of Wyoming



The amazing UWYMW
students and volunteers

