

# Charles W. Koenig

[ckoenigarchaeology.com](http://ckoenigarchaeology.com)

Curriculum Vitae

August 2023

## INSTITUTIONAL ADDRESS

Sul Ross State University  
Center for Big Bend Studies  
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## EDUCATION

2023      PhD – Anthropology  
            University of Wyoming. Laramie, WY, USA  
2012      M.A. – Anthropology  
            Texas State University. San Marcos, TX, USA  
2009      B.A. – Anthropology  
            University of Colorado. Boulder, CO, USA

## ACADEMIC/PROFESSIONAL INTERESTS

North American archaeology, earth oven technology, rock art, Indigenous centered archaeology, public archaeology, rockshelters and caves, Structure from Motion (SfM) photogrammetry, experimental archaeology, lithic technologies, and perishable technologies.

## PUBLISHED WORKS

### Peer-Reviewed Journal Articles

**Koenig, Charles W.**, Amanda M. Castañeda, McKenna Litynski, Todd A. Surovell, and Sarah A. Allaun  
2023      The DeBarard Earth Oven: Hot Rock Cooking in the Laramie Basin. *The Wyoming Archaeologist* 65(2):40-56.

Pelton, Spencer R., Lorena Becerra-Valdivia, Alexander Craib, Sarah Allaun, Chase Mahan, **Charles Koenig**, Erin Kelly, George Zeimens, and George C. Frison  
2022      In situ evidence for Paleoindian hematite quarrying at the Powars II site (48PL330), Wyoming, USA. *PNAS* 119(20):e2201005119.  
<https://doi.org/10.1073/pnas.2201005119>

**Koenig, Charles W.**, J. David Kilby, Christopher J. Jurgens, Lorena Becerra-Valdivia, Christopher W. Ringstaff, J. Kevin Hanselka, Leslie L. Bush, Charles D. Frederick, Stephen L. Black, Amanda M. Castañeda, Ken L. Lawrence, Madeline E. Mackie, and Jim I. Mead  
2022      A Newly Identified Younger Dryas Component from Eagle Cave, Texas. *American Antiquity*. 87(2):377-388. <https://doi.org/10.1017/aaq.2021.126>

**Koenig, Charles W.**, Amanda M. Castañeda, Marieka Arksey, and Chad E. Hutchens  
2021 Digital Reconstruction and Preliminary Rock Art Inventory of the Greybull South Stie, Wyoming. *American Indian Rock Art, Volume 47*, edited by David A. Kaiser, Mavis Greer, and James D. Keyser, pp. 209-220. American Rock Art Research Association 47. San Jose, California.

Steelman, Karen L., Jessica L. DeYoung, Charles D. Frederick, **Charles W. Koenig**, and Carolyn E. Boyd  
2021 Geochemical Analyses at Eagle Cave, TX: Radiocarbon Dating Oxalate Accretions Associated with Rock Paintings. *American Indian Rock Art, Volume 47*, edited by David A. Kaiser, Mavis Greer, and James D. Keyser, pp. 227-240. American Rock Art Research Association 47. San Jose, California.

Mead, Jim I., **Charles W. Koenig**, Stephen L. Black, and Christopher J. Jurgens  
2021 Late Pleistocene Bighorn Sheep Dung from Eagle Cave, Lower Pecos River, Texas. *Southwestern Naturalist* 65(2):152-160. <https://doi.org/10.1894/0038-4909-65.2.152>

Steelman, Karen L., **Charles W. Koenig**, Amanda M. Castañeda, Jerod L. Roberts, and Victoria L. Roberts  
2020 Portable XRF Elemental Analyses at the Meyers Springs Pictograph Site. *American Indian Rock Art, Volume 46*, edited by Richard A Rogers, Evelyn Billo, and Robert Mark, pp. 65-78. American Rock Art Research Association 46. San Jose, California.

Castañeda, Amanda M., **Charles W. Koenig**, Jerod L. Roberts, Victoria L. Roberts, Jay D. Franklin, Carolyn E. Boyd, and Karen L. Steelman  
2019 Portable X-Ray Fluorescence Analysis of Red Linear Style Figures at 41VV1000. *Bulletin of the Texas Archeological Society* 90:19-34.

**Koenig, Charles W.**, and Stephen L. Black  
2019 Plant Baking and Hunter-Gatherer Mobility in the Lower Pecos Canyonlands of Southwest Texas. *Bulletin of the Texas Archeological Society* 90:123-150.

Castañeda, Amanda M., **Charles W. Koenig**, Karen L. Steelman, and Marvin W. Rowe  
2019 Portable X-ray fluorescence of Lower Pecos painted pebbles: New insights regarding pigment choice and chronology. *Journal of Archaeological Science: Reports* 25(2019):56-71. <https://doi.org/10.1016/j.jasrep.2019.03.013>

**Koenig, Charles W.**, Amanda M. Castañeda, Victoria L. Roberts, Jerod L. Roberts, Carolyn E. Boyd, and Karen L. Steelman  
2019 Around the Lower Pecos in 1,095 Days: The Alexandria Project. *American Indian Rock Art, Volume 45*, edited by Ken Hedges and Anne McConnel, pp. 147-160. American Rock Art Research Association 45. San Jose, California.

**Koenig, Charles W.**, Mark D. Willis, and Stephen L. Black  
2017 Beyond the Square Hole: Application of Structure from Motion Photogrammetry to Archaeological Excavation. *Advances in Archaeological Practice* 5(1):54-70. <https://doi.org/10.1017/aap.2016.8>

Gershtein, Eli Crater, Mark D. Willis, Stephen L. Black, Amanda M. Castaneda, Tammy Buonasera, **Charles W. Koenig**, Julie Shipp, and Dani Nadel

2017 High-resolution mapping and analysis of shiny grooved rock surfaces: The case study of the Skiles Shelter, Lower Pecos, Texas. *Quaternary International* 439b:69-82.  
<https://doi.org/10.1016/j.quaint.2016.12.008>

Willis, Mark D., **Charles W. Koenig**, Stephen L. Black, and Amanda M. Castañeda

2016 Archaeological 3D Mapping: The Structure from Motion Revolution. *Journal of Texas Archaeology and History* 3:1-36. [https://jtah.org/2016/06/04/vol3\\_article1/](https://jtah.org/2016/06/04/vol3_article1/)

Boyd, Carolyn E., Amanda M. Castañeda, and **Charles W. Koenig**

2015 Response to Comments by Harrison. *American Antiquity* 80(1):204-205.  
<https://doi.org/10.7183/0002-7316.79.4.204>

**Koenig, Charles W.**, Amanda M. Castañeda, Carolyn E. Boyd, Marvin W. Rowe, and Karen L. Steelman

2014 Portable X-Ray Fluorescence Spectroscopy of Pictographs: A Case Study from the Lower Pecos Canyonlands, Texas. *Archaeometry* 56:168-186.  
<https://doi.org/10.1111/arcm.12060>

Boyd, Carolyn E., Amanda M. Castañeda, and **Charles W. Koenig**

2013 A Reassessment of Red Linear Pictographs in the Lower Pecos Canyonlands of Texas. *American Antiquity* 78(3): 456-482. <https://doi.org/10.7183/0002-7316.78.3.456>

### Edited Volume

**Koenig, Charles W.**, and Myles R. Miller

2013 *Earth Ovens and Desert Lifeways: 10,000 Years of Indigenous Cooking in the Arid Landscapes of North America*. University of Utah Press, Salt Lake City.

### Contributed Chapters

**Koenig, Charles W.**, and Myles R. Miller

2023 Lighting the Fire: An Earth Oven Introduction. In *Earth Ovens and Desert Lifeways: 10,000 Years of Indigenous Cooking in the Arid Landscapes of North America*, edited by Charles W. Koenig and Myles R. Miller, pp. 1-6. University of Utah Press, Salt Lake City.

**Koenig, Charles W.**, Emily R. McCuiston, Stephen L. Black, Charles D. Frederick, J. Phil Dering, J. Kevin Hanselka, Leslie Bush, and Ken L. Lawrence

2023 Using Fire-Cracked Rock to Evaluate Earth Oven Intensification in the Lower Pecos Canyonlands of Texas. In *Earth Ovens and Desert Lifeways: 10,000 Years of Indigenous Cooking in the Arid Landscapes of North America*, edited by Charles W. Koenig and Myles R. Miller, pp. 41-65. University of Utah Press, Salt Lake City.

### Thesis and Dissertation

**Koenig, Charles W.**

2023 *The Record of Early Holocene Earth Oven Cooking in Texas and Wyoming and Implications for Subsistence Intensification, Technological Change, and Return Rates*. PhD Dissertation, Department of Anthropology, University of Wyoming, Laramie.

<https://www.proquest.com/dissertations-theses/record-early-holocene-earth-oven-cooking-texas/docview/2819238358/se-2?accountid=14793>

**Koenig, Charles W.**

- 2012 Burned Rock Middens, Settlement Patterns, and Bias in the Lower Pecos Canyonlands of Texas. Master's Thesis, Department of Anthropology, Texas State University, San Marcos. <http://digital.library.txstate.edu/handle/10877/4411>

Non-Refereed Journal Articles

Hutchens, Chad, and **Charles Koenig**

- 2021 Getting Started with 3D Digitization. #DLFteach. <https://dlfteach.pubpub.org/pub/vol2-hutchens-koenig-getting-started-with-3d-digitization>

- Selden, Robert Z. Jr, Bernard K. Means, Jon C. Lohse, **Charles W. Koenig**, and Stephen L. Black  
2014 Beyond Documentation: 3D Data in Archaeology. *Texas Archaeology*. 58(4):20-24.

National Register Nomination

**Koenig, Charles W.**, and Amanda M. Castañeda

- 2023 The Greybull South Rock Art Site. Nomination for the National Register of Historic Places prepared for the Wyoming State Historic Preservation Office.

**PUBLICATIONS IN PROGRESS**

In Press

- Clark, Julianne M., **Charles W. Koenig**, Sarah A. Allaun, and Todd A. Surovell  
2023 A Newly Identified Ceramic Site in Carbon County, Wyoming. *The Wyoming Archaeologist*, in press.

In Review

- Koenig, Charles W.**, Stephen L. Black, Charles D. Frederick, Eva Panagiotakopulu  
2023 Low Impact, High Resolution: Unraveling and Learning from 10,000 years of Hunter-Gatherer Use of Eagle Cave. In *Papers in Honor of Jack Skiles, Special Publication of the Journal of Texas Archaeology and History*, edited by Stephen L. Black and J. David Kilby. Manuscript in review.

- Koenig, Charles W.**, Amanda M. Castañeda, and Charles D. Frederick  
2023 2014-2015 ASWT Investigations at Horse Trail Shelter (41VV166). In *Papers in Honor of Jack Skiles, Special Publication of the Journal of Texas Archaeology and History*, edited by Stephen L. Black and J. David Kilby. Manuscript in review.

- Ringstaff, Christopher W., J. David Kilby, and **Charles W. Koenig**  
2023 Understanding Technological Organization Through Chipped-Stone Flaking Debris: Debitage Analysis of a Folsom-age Component at Eagle Cave, Val Verde County, Texas. In *Papers in Honor of Jack Skiles, Special Publication of the Journal of Texas Archaeology and History*, edited by Stephen L. Black and J. David Kilby. Manuscript in review.

Black, Stephen L., **Charles W. Koenig**, and Amanda M. Castañeda  
2023 Restoration Efforts at Eagle Cave. In *Papers in Honor of Jack Skiles, Special Publication of the Journal of Texas Archaeology and History*, edited by Stephen L. Black and J. David Kilby. Manuscript in review.

Castañeda, Amanda M., **Charles W. Koenig**, Vicky L. Roberts, Jerod L. Roberts, Carolyn E. Boyd, J. Phil Dering, and Karen L. Steelman

2023 Looking Inward, Outward, and Forward: The Rock Art of Eagle Nest Canyon in a Regional Context. In *Papers in Honor of Jack Skiles, Special Publication of the Journal of Texas Archaeology and History*, edited by Stephen L. Black and J. David Kilby. Manuscript in review.

Lindsay, Audrey, Timothy Murphy, IV, Karen L. Steelman, Carolyn E. Boyd, Victoria L. Roberts, Amanda M. Castañeda, **Charles W. Koenig**, Jerod L. Roberts, and J. Phil Dering

2023 The Skiles Family and Rock Art Research in the Lower Pecos Canyonlands. In *Papers in Honor of Jack Skiles, Special Publication of the Journal of Texas Archaeology and History*, edited by Stephen L. Black and J. David Kilby. Manuscript in review.

### In Preparation

**Koenig, Charles W.**, Craig S. Smith, and Lance M. McNees

2023 The Variation of Early to Mid-Holocene Earth Oven Features from the Wyoming Basin. Manuscript in preparation for *American Antiquity*.

Koenig, Charles W.

2023 Modeling the Variation of Earth Oven Return Rates for *Agave lechuguilla*. Manuscript in preparation for the *Journal of Field Archaeology*.

**Koenig, Charles W.**, Madeline E. Mackie, J. David Kilby, Tressa Munger, Christopher W. Ringstaff, Lorena Becerra-Valdivia, Todd A. Surovell, Christopher J. Jurgens, Charles D. Frederick, and Stephen L. Black

2023 Evaluating the Origins and Integrity of a Clovis-age Assemblage from Eagle Cave, Texas. Manuscript in preparation for *PLOS One*.

**Koenig, Charles W.**, Bryan E. Heisinger, Victoria Pagano, Ashleigh J. Knapp, Zacaria Jameson, Amanda M. Castañeda, Emily R. McCuiston, and Stephen L. Black.

2023 Using Fire-Cracked Rock to Evaluate Earth Oven Facilities in the Lower Pecos Canyonlands of Texas. Manuscript in preparation for *Advances in Archaeological Practice*.

Panagiotakopulu, Eva, Charles D. Frederick, J. Kevin Hanselka, Leslie Bush, **Charles W. Koenig**, Christina Nielsen, and Stephen L. Black

2023 Archaeoentomological Analysis of Eagle Cave, Texas. Manuscript in prep.

### **GRANTS AND AWARDS**

#### Funded Projects as PI or Co-PI (\$35,938)

\*Indicates Internal Funding

2023 John P. Ellbogen Outstanding Graduate Assistant Teaching Award, \$4000.00.\*

- 2023 Jensen/Robson Doctoral Travel Award, Wyoming Archaeological Society. \$750.00.
- 2023 Paul Stock Foundation Arts and Sciences Travel Fund, \$500.00.\*
- 2022-2023 Evaluating Early Holocene Earth Oven Intensification in Eagle Cave, Texas. Thomas E. Miller Research Endowment, \$11,964.00
- 2022-2023 Dating the Early Holocene Earth Oven Strata in Eagle Cave, Texas. Frison Institute, \$1350.00.
- 2022-2023 Color Printing Subvention for the book: *Earth Ovens and Desert Lifeways: 10,000 years of Indigenous Cooking in the Arid Landscapes of North America*. Frison Institute, \$500.00.
- 2022 PhD Augmentation Award, University of Wyoming. \$2000.00.\*
- 2022 Jensen/Robson Doctoral Travel Award, Wyoming Archaeological Society. \$375.00.
- 2022-2023 Earth Oven Experiments for *Agave Lechuguilla*. Frison Institute, \$1200.00.
- 2021-2022 Measuring Temperatures in Actualistic Earth Oven Experiments. ASWT Research Grant, \$2200.00
- 2021-2022 Re-Proveniencing Deer (*Odocoileus* sp.) Bone Tools from Disturbed Contexts in Eagle Cave, Texas to Evaluate Holocene Hunter-Gatherer Mobility Using Stable Isotope Analysis (C, O, N). Frison Institute, \$1500.00
- 2021-2022 Dating the DeBarard Earth Oven. Frison Institute, \$299.00
- 2021-2022 Rock Art Documentation at the Greybull South Site (48BH92). Wyoming Archaeology Foundation, \$1000.00
- 2021-2022 Rock Art Documentation at the Greybull South Site (48BH92). Fund for Wyoming Archaeology, Frison Institute, \$3500.00
- 2020-2021 Investigating Clovis-age Deposits Using Micromorphology and Microfossils in Eagle Cave, Texas. Frison Institute, \$1500.00
- 2020-2021 Dean's Scholar Award, College of Arts and Science, University of Wyoming. \$2500.00\*
- 2019-2020 Macrobotanical and Micromorphological Analyses of a Folsom-age Hearth in Eagle Cave, Texas. Frison Institute, \$800.00

## TEACHING

- 2022 Instructor, University of Wyoming, Department of Anthropology. Introduction to Archaeology (ANTH 1300) Fall 2022.
- 2022 Instructor, University of Wyoming, Department of Anthropology. Research Methods in Anthropology (ANTH 3310) Spring 2022.
- 2021 Instructor, University of Wyoming, Department of Anthropology. Introduction to Archaeology (ANTH 1300) Fall 2021.
- 2015 Co-instructor, Lower Pecos Canyonlands Archaeological Field School, Texas State University.
- 2014-2015 Instructor, Texas State University, Department of Anthropology. Intro to Archaeology (ANTH 2415) Summer II.
- 2012-2013 Instructor, Shumla Archaeological Research and Education Center K-12 programs
- 2011-2012 Instructor, Texas State University, Department of Anthropology. Introduction to Archaeology Labs (ANTH 2415).
- 2009-2010 Instructor, Shumla Archaeological Research and Education Center K-12 programs

## PROFESSIONAL POSITIONS

- Assistant Professor August 2023 – Present
- Sul Ross State University, Department of Social and Behavioral Sciences

Rock Art Researcher July 2019 – Present

- Sacred Sites Research, Inc
- Under the direction of Dr. Larry Loendorf
- Rock art documentation at sites in Wyoming, Montana, and Utah

Visiting Scholar and Adjunct Faculty August 2017 – Present

- Texas State University, Ancient Southwest Texas Project.
- Principal Investigators Drs. Stephen Black and Charles Frederick.
- Assisting with ongoing analysis from the 2010-2017 ASWT research.

Lecturer Fall 2022

- Introduction to Archaeology (ANTH 1300) Instructor (Fall 2022)

Graduate Assistant September 2019 – August 2022

- UW Archaeological Field School (ANTH 4140) Graduate Assistant (Summer 2022)
- Research Methods in Anthropology (ANTH 3310) Instructor (Spring 2022)
- Introduction to Archaeology (ANTH 1300) Instructor (Fall 2021)
- UW Archaeological Field School (ANTH 4140) Graduate Assistant (Summer 2021)
- Anthropology Research Methods (ANTH 3310) Lab Instructor (Spring 2021)
  - Primary Instructor Dr. Rick Weathermon
- Human Osteology (ANTH 4975/5875) Lab Instructor (Fall 2020)
  - Primary Instructor Dr. Rick Weathermon
- Barger Gulch Collection (June 2020)
  - Under the direction of Dr. Todd Surovell
  - Organized lithic collection and conducted a small lithic re-fit analysis.
- University of Wyoming Archaeological Repository (2019-2020).
  - Under the direction of Dr. Marieka Arksey.
  - SfM photogrammetry of rock art panels from Greybull South (48BH92) to create a virtual reconstruction and educational display.

Project Archaeologist August 2017 – May 2019

- Shumla Archaeological Research and Education Center, Comstock, TX.
- Principal Investigators Drs. Carolyn Boyd and Karen Steelman
- Directed day-to-day archaeological rock art survey and documentation associated with the Alexandria Project as well as site report and grant writing.

Project Archaeologist September 2013 – August 2017

- Texas State University, Ancient Southwest Texas Project.
- Principal Investigators Drs. Stephen Black and Charles Frederick.
- Duties included developing field procedures and methods, managing field crews, budgeting, logistical planning, writing site reports, and directing all aspects of field and lab work associated with excavations at several rockshelters in the Lower Pecos.

Staff Archaeologist July 2012 – August 2013

- Shumla Archaeological Research and Education Center, Comstock, TX.
- Under the direction of Dr. Carolyn Boyd.
- Duties included writing site reports, directing field and lab work, and as instructor for youth programs.

Assistant Field Director

May 2012 – July 2012

- Texas State University - San Marcos, TX.
- Under the direction of Dr. Stephen Black.
- Directed excavations at three burned rock midden sites in the Lower Pecos. Used Total Data Station (TDS), SfM photogrammetric techniques, and GIS.

Graduate Assistant

January 2011 – May 2012

- Texas State University – San Marcos, TX.
- Taught the lab for Introduction to Archaeology.
- Teaching Assistant for the 2011 Lower Pecos Canyonlands Archaeological Field School

## PROFESSIONAL PRESENTATIONS

Koenig, Charles W.

2024 Earth Oven Experiments in Texas and Wyoming. Paper to be presented at the 89<sup>th</sup> Annual Meeting of the Society for American Archaeology. New Orleans, Louisiana.

Koenig, Charles W.

2023 Modeling the Variation of Earth Oven Return Rates for *Agave lechuguilla*. Paper to be presented at the 94<sup>th</sup> Annual Meeting of the Texas Archeological Society. San Marcos, Texas.

Koenig, Charles W.

2023 The Hearth Tyranny: Morphological Variation of Early Holocene Thermal Features in Wyoming. Paper presented at the 2023 Annual Meeting of the Wyoming Archaeological Society. Worland, Wyoming.

Koenig, Charles W.

2023 Early Holocene Earth Oven Cooking in Southwest Texas. Paper presented at the 88<sup>th</sup> Annual Meeting for the Society for American Archaeology. Portland, Oregon.

Koenig, Charles W., Stephen L. Black, and Charles D. Frederick

2019 Assessing Earth Oven Intensification in the Lower Pecos Canyonlands of Southwest Texas. Paper presented at the 84<sup>th</sup> Annual Meeting of the Society for American Archaeology. Albuquerque, New Mexico.

Koenig, Charles W., and Stephen L. Black

2017 Low Impact, High Resolution: Unraveling and Learning from 10,000 years of Hunter-Gatherer Use of Eagle Cave. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology. Vancouver, British Columbia.

Koenig, Charles W., Stephen L. Black, and Charles D. Frederick

2017a Low Impact, High Resolution: Unraveling and Learning from 10,000 years of Hunter-Gatherer Use of Eagle Cave. Paper presented at the 88th Annual Meeting of the Texas Archeological Society. Grapevine, Texas.

2017b Unraveling and Learning from 10,000 years of Hunter-Gatherer Use of Eagle Cave. Paper presented at the 24th Annual Conference of the Center for Big Bend Studies. Alpine, Texas.



- Koenig, Charles W., and Stephen L. Black  
2016 Low Impact, High Resolution: Ongoing Investigations of Eagle Cave. Paper presented at the 87th Annual Meeting of the Texas Archeological Society. Nacogdoches, Texas.
- Koenig, Charles W  
2015a Floods, Muds, and Plant Baking: ASWT Excavations at Skiles Shelter. Paper presented at the 80th Annual Meeting of the Society for American Archaeology. San Francisco, California.  
2015b Beyond the Square Hole: Application of Structure from Motion Photogrammetry to Archaeological Excavation. Paper presented at the 86th Annual Meeting of the Texas Archeological Society. Houston, Texas.
- Koenig, Charles W., Mark D. Willis, and Stephen L. Black  
2015 Beyond the Square Hole: Application of Structure from Motion Photogrammetry to Archaeological Excavation. Paper presented at the 86th Annual Meeting of the Texas Archeological Society. Houston, Texas.
- Black, Stephen L., Charles W. Koenig, Mark D. Willis, and Charles D. Frederick  
2014 Low Impact, High Resolution: Ongoing Investigations in Eagle Nest Canyon. Paper presented at the 85th Annual Meeting of the Texas Archeological Society. San Marcos, Texas.
- Koenig, Charles W.  
2014 Floods, Muds, and Plant Baking: ASWT Excavations at Skiles Shelter. Paper presented at the 85th Annual Meeting of the Texas Archeological Society. San Marcos, Texas.
- Koenig, Charles W., and Stephen L. Black  
2014 Dead Man's Delight: New Approaches to Excavating, Mapping, and Sampling Burned Rock Middens. Paper presented at the 79th Annual Meeting of the Society for American Archaeology. Austin, Texas.
- Koenig, Charles W., and Stephen L. Black  
2013 Dead Man's Delight: New Approaches to Excavating, Mapping, and Sampling Burned Rock Middens. Paper presented at the 84th Annual Meeting of the Texas Archeological Society. Del Rio, Texas.
- Koenig, Charles W.  
2012 On the Burned Rock Trail: Using GIS to Model Site Selection in the Lower Pecos Canyonlands. Paper presented at the 115th Annual Meeting of the Texas Academy of Science. Alpine, Texas.
- Koenig, Charles W.  
2011 On the Burned Rock Trail: Archaeological Survey Along Dead Man's Creek. Paper presented at the 82nd Annual Meeting of the Texas Archeological Society. Ft. Worth, Texas.
- Koenig, Charles W.  
2010a Function vs. Form: An Examination of Atlatls in Pecos River Style Rock Art. Paper presented at the 37th Annual Meeting of the American Rock Art Research Association. Del Rio, Texas.

2010b Function vs. Form: An Examination of Atlatls in Pecos River Style Rock Art. Paper presented at the 81<sup>st</sup> Annual Meeting of the Texas Archeological Society. Corpus Christi, Texas.

Boyd, Carolyn E., Angel Johnson, Charles Koenig, and Ben Dwyer

2009 Code Breaking: The SHUMLA Lower Pecos Rock Art Recording and Preservation Project. Paper presented at the 80<sup>th</sup> Annual Meeting of the Texas Archeological Society. Del Rio, Texas.

## **PROFESSIONAL POSTER PRESENTATIONS**

Koenig, Charles W., Amanda M. Castañeda, and Chad E. Hutchens

2022 Digital Reconstruction and Preservation of the Greybull South (48BH92) Rock Art Site. Poster presented at the 2022 Annual Meeting of the Wyoming Archaeological Society. Sheridan, Wyoming.

Koenig, Charles W., Madeline E. Mackie, J. David Kilby, Tressa Munger, and Charles D. Frederick

2022 Evaluating the Integrity and Origins of a Clovis-age Assemblage from Eagle Cave, Texas. Poster presented at the 87<sup>th</sup> Annual Meeting for the Society for American Archaeology. Chicago, Illinois.

Wommack, Elizabeth A., Chad Hutchens, and Charles Koenig

2021 Teeth, Beaks, and Bones: Interdisciplinary Collaborations Provide Open Digital Access. Poster presented at the 2021 iDigBio Digital Data Conference, hosted by the Florida Museum of Natural History.

Koenig, Charles W., Christopher J. Jurgens, Stephen L. Black, J. Kevin Hanselka, and Charles D. Frederick

2018 Multidisciplinary Investigations of a Late Paleoindian Bison Butchery Event in Eagle Cave. Poster presented at the 83<sup>rd</sup> Annual Meeting of the Society for American Archaeology. Washington, D.C.

Castañeda, Amanda M., and Charles W. Koenig

2015 Texas State University 2015 Field School Investigations at Horse Trail Shelter. Poster presented at the 86<sup>th</sup> Annual Meeting of the Texas Archeological Society. Houston, Texas.

Koenig, Charles W., and Stephen L. Black

2015 The 2015 Investigations of Eagle Cave. Poster presented at the 86<sup>th</sup> Annual Meeting of the Texas Archeological Society. Houston, Texas.

Skiles, Jack, Charles W. Koenig, Stephen L. Black, Tina M. Nielsen, Bryan Heisinger, Jacob I. Sullivan, and Brooke Bonorden

2014 Low Impact, High Resolution: Ongoing Investigations of Eagle Cave. Poster presented at the 85<sup>th</sup> Annual Meeting of the Texas Archeological Society. San Marcos, Texas.

Koenig, Charles W.

2012 On the Burned Rock Trail: Settlement Patterns and Burned Rock Middens in the Lower Pecos. Poster presented at the 77<sup>th</sup> Annual Meeting of the Society for American Archaeology. Memphis, Tennessee.

Koenig, Charles W., Ashleigh Knapp, and Stephen L. Black  
2011 Ongoing Investigations of Earth Ovens in the Lower Pecos Canyonlands. Poster presented at the 82<sup>nd</sup> Annual Meeting of the Texas Archeological Society. Ft. Worth, Texas.

## **ORGANIZED SESSIONS**

Koenig, Charles W.  
2023 Current Research in West Texas Archaeology. Organized Symposium at the 94<sup>th</sup> Annual Meeting of the Texas Archeological Society. San Marcos, Texas.

Koenig, Charles W., and Katelyn N. McDonough  
2023 Hearths, Earth Ovens, and the Carbohydrate Revolution: Indigenous Subsistence Strategies and Cooking during the Terminal Pleistocene and Early Holocene in North America. Organized Symposium at the 88<sup>th</sup> Annual Meeting of the Society for American Archaeology. Portland, Oregon.

Koenig, Charles W., and Myles Miller  
2019 Hot Rocks in Hot Places: Investigating the 10,000-year Record of Plant Baking Across the US-Mexico Borderlands. Organized Symposium at the 84<sup>th</sup> Annual Meeting of the Society for American Archaeology. Albuquerque, New Mexico.

Boyd, Carolyn E., and Charles W. Koenig  
2017 Multidisciplinary Investigations into the 10,000-plus Year Record of Hunter-Gatherer Lifeways in the Northeastern Chihuahuan Desert. Organized Symposium at the 82<sup>nd</sup> Annual Meeting of the Society for American Archaeology. Vancouver, British Columbia.

Koenig, Charles W., and Bryon Schroeder  
2017 Multidisciplinary Investigations of the 10,000+ year Hunter-Gatherer Record in the Mountains and Canyonlands of Big Bend and Lower Pecos, Texas. Organized Symposium, 88<sup>th</sup> Annual Meeting of the Texas Archeological Society. Grapevine, Texas.

Cason, Samuel, and Charles W. Koenig  
2016 Multidisciplinary Investigations of the 10,000+ year Hunter-Gatherer Record in the Mountains and Canyonlands of Big Bend and Lower Pecos, Texas. Organized Symposium, 87<sup>th</sup> Annual Meeting of the Texas Archeological Society. Nacogdoches, Texas.

Black, Stephen L., and Charles W. Koenig  
2015 Eagle Nest Canyon 2015: Ongoing Investigations. Organized Poster Symposium, 86<sup>th</sup> Annual Meeting of the Texas Archeological Society. Houston, Texas.

Koenig, Charles W., and Arlo McKee  
2015 3D Data in Archaeology. Organized Symposium, 86<sup>th</sup> Annual Meeting of the Texas Archeological Society. Houston, Texas.

Black, Stephen L., and Charles W. Koenig  
2014 Eagle Nest Canyon. Organized Symposium, 85<sup>th</sup> Annual Meeting of the Texas Archeological Society. San Marcos, Texas.

## INVITED LECTURES

Koenig, Charles W.

- 2023 Renewed Earth Oven Experiments for *Agave lechuguilla*. Presentation for Cheyenne Chapter of the Wyoming Archaeological Society, January 19<sup>th</sup>. Cheyenne, Wyoming.
- 2022 Low Impact, High Resolution: Investigating the 13,000 year Hunter-Gatherer Record of Eagle Cave, Texas. Presentation for Casper Chapter of the Wyoming Archaeological Society, November 9<sup>th</sup>. Casper, Wyoming.
- 2022 Photogrammetry and 3D Printing of the Greybull South (48BH92) Rock Art Site. Presentation for the Oregon Archaeological Society, October 7<sup>th</sup>. Zoom.
- 2022 Photogrammetry and 3D Printing of the Greybull South (48BH92) Rock Art Site. Presentation for the Colorado Rock Art Association, February 24<sup>th</sup>. Zoom.
- 2022 Low Impact, High Resolution: Investigating the 13,000 year Hunter-Gatherer Record of Eagle Cave, Texas. Presentation for Cheyenne Chapter of the Wyoming Archaeological Society, January 20<sup>th</sup>. Cheyenne, Wyoming.
- 2020 Low Impact, High Resolution: Investigating the 13,000 year Hunter-Gatherer Record of Eagle Cave, Texas. Presentation for Cheyenne Chapter of the Wyoming Archaeological Society, March 19<sup>th</sup>. Cheyenne, Wyoming. **CANCELLED**
- 2019 Low Impact, High Resolution: Investigating the 13,000 year Hunter-Gatherer Record of Eagle Cave, Texas. Presentation for the June Frison Chapter of the Wyoming Archaeological Society, October 8<sup>th</sup>. Laramie, Wyoming.
- 2018 Unraveling and Learning from 10,000 years of Hunter-Gatherer Use of Eagle Cave. Presentation for the Tarrant County Archeological Society, May 10<sup>th</sup>. Ft. Worth, Texas.
- 2016 Low Impact, High Resolution: Ongoing Investigations of Eagle Cave, Val Verde County, Texas. Presentation for the Tarrant County Archeological Society, February 11<sup>th</sup>. Ft. Worth, Texas.

Koenig, Charles W., and Stephen L. Black

- 2016 Low Impact, High Resolution: Ongoing Archaeological Investigations of Rockshelters in the Lower Pecos Canyonlands. Presentation for the South Texas Archeological Association, January 23<sup>rd</sup>. San Marcos, Texas.
- 2015 Low Impact, High Resolution: Ongoing Investigations of Rockshelters in the Lower Pecos Canyonlands. Presentation for the Hill Country Archeological Association, October 17<sup>th</sup>. Kerrville, Texas.

Koenig, Charles W.

- 2014 Archaeology of the Ryes N' Sons Ranch. Paper presented to the Iraan Archeological Society, March 25<sup>th</sup>. Iraan, Texas.
- 2013a Burned Rock Middens, Settlement Patterns, and Bias in the Lower Pecos Canyonlands of Texas. Presentation for the South Texas Archeological Association, January 26<sup>th</sup>. San Antonio, Texas.
- 2013b A Reassessment of Red Linear Pictographs in the Lower Pecos Canyonlands of Texas. Presentation for the Department of Anthropology, Texas State University, September 27<sup>th</sup>. San Marcos, Texas.
- 2012 On the Burned Rock Trail: Earth Ovens and Land Use in the Lower Pecos Canyonlands. Presentation for the Llano Uplift Archeological Society, February 8<sup>th</sup>. Llano, Texas.

## **SERVICE, PROFESSIONAL DEVELOPMENT, AND PUBLIC OUTREACH**

- 2022-2023 Committee Member, Diversity, Equity, and Inclusion Committee, University of Wyoming Department of Anthropology.
- 2022 Graduate Student Mentor, University of Wyoming McNair Program.
- 2022 Volunteer, Chain Lakes Archaeological Project, Office of the Wyoming State Archaeologist
- 2019-2022 Volunteer, Wyoming Archaeology Fair
- 2021 Volunteer Instructor, Photogrammetry Workshop, University of Wyoming Coe Library
- 2020 Volunteer, Powars II Ocher Quarry Excavations, Office of the Wyoming State Archaeologist
- 2019 Volunteer, Sister's Hill Excavations, Office of the Wyoming State Archaeologist
- 2009-2019 Volunteer Tour Guide, Texas State University and Shumla Archaeological Research and Education Center
- 2019 Student, Texas Archeological Society, Rock Art Academy
- 2018 Volunteer, Spirt Eye Excavations, Center for Big Bend Studies, Texas
- 2017 Instructor, Texas Archeological Society, 3D Data in Archaeology Academy
- 2017 Instructor, Texas Archeological Society, Lower Pecos Canyonlands Academy
- 2012-2012 President, Experimental Archaeology Club, Texas State University
- 2012 Volunteer, Hot Rocks Cook Off, San Marcos, Texas
- 2010 Volunteer, Hot Rocks Cook Off, College Station, Texas

## **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

Texas Archeological Society

- Program Chair for the 2013 TAS Annual Meeting in Del Rio, Texas

Council of Texas Archeologists

Society for American Archaeology

Wyoming Archaeological Society – June Frison Chapter

- Chapter Treasurer, August 2022 - Present

American Rock Art Research Association

## References

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Shumla Endowed Research Professor  
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