

Harold Kory Cooper
Associate Professor, Department of Anthropology
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RESEARCH INTERESTS

Technology and Innovation, Archaeology and Ethnohistory of Northwest North America, Hunter-Gatherers, Social Complexity, Archaeometallurgy, Experimental Archaeology, Fur Trade, E-Waste, Public Archaeology and Education

EDUCATION

Ph.D. Anthropology, University of Alberta, Edmonton, 2007. Dissertation: "The Anthropology of Native Copper Technology and Social Complexity in Alaska and the Yukon Territory: An Analysis Using Archaeology, Archaeometry, and Ethnohistory."

M.A. Anthropology, University of Arkansas, Fayetteville, AR, 2000. Thesis: "Analysis of Late Roman-Byzantine Copper Alloy Artifacts from Northern Jordan."

B.A. Anthropology, Alaska Native Studies Minor, Cum Laude, University of Alaska, Anchorage, AK, 1997.

PUBLICATIONS

Under Review

Strezewski, M. and **H.K. Cooper** "Native American Structures Outside Fort Ouiatenon: The 2022 Excavations," submitted in December 2023 to an upcoming special fur trade issue of *Indiana Archaeology*.

In Press

Cooper, H.K. and D. McMahan. Labor and Ethnicity in Russian America: The View from Castle Hill. In *The Archaeology of Colonial Fortifications*, edited by M.S. Nassaney and S. Escribano-Ruiz, pp. 242-276. The University Press of Florida, Gainesville.

In Print

- 2025 Cooper, H.K., M. Pike, and G. Hunt. Hunter-Gatherer Native Copper Innovation in Northwestern North America. In *From Hard Rock to Heavy Metal: Metal Tool Production and Use by Indigenous Hunter-Gatherers of North America*, edited by M.R. Bebbler and C.B. Wolff, pp. 16-40. Berghahn, New York.
- 2024 Jackson, M., **H.K. Cooper**, D. Hovde (Eds.) *The History and Archaeology of Fort Ouiatenon: 300 Years in the Making*. Purdue University Press, West Lafayette.
- 2024 Jackson, M. and **H.K. Cooper**. Symbolism, Nationality, Identity, and Gender as Interpreted from an Eighteenth-Century Ring from Fort Ouiatenon. In *The History and Archaeology of Fort Ouiatenon: 300 Years in the Making*, edited by M. Jackson, H.K. Cooper, and D. Hovde, pp. 151-171. Purdue University Press, West Lafayette.
- 2022 Stough, M.A., S. Coffman, **H.K. Cooper**, and J. Karchut "Radiocarbon Dating the Cabin Island Village Site (KAR-121), Becharof National Refuge." *Alaska Journal of Archaeology* 20(1-2).
- 2021 Brite, E., E. Fletcher, **H.K. Cooper**, S. Amirov, A. Iskanderova, A. Toreniyazov, F. Kidd, G. Khozhaniyazov "Abu Muslim Qala: An Iron-Production Site along Central Asia's Medieval North-South Trade Routes." *Antiquity* 95(383): e27, 1-10
<https://doi.org/10.15184/aqy.2021.65>

- 2021 H.K. Cooper and A. Simonetti "Lead Isotope Analysis of Geological Native Copper: Implications for Archaeological Provenance Research in the North American Arctic and Subarctic." *Minerals* 11(7) <https://doi.org/10.3390/min11070667>
- 2020 H.K. Cooper, G. Hunt, N. Waber, and C. Gray "Precontact Native Copper Innovation in British Columbia." *Canadian Journal of Archaeology* 44(2):185-221.
- 2019 Huang, X., K.J. Pieper, **H.K. Cooper**, S. Diaz-Amaya, D.Y. Zemylanov, and A.J. Whelton "Corrosion of Upstream Metal Plumbing Components Impact Downstream PEX Pipe Surface Deposits and Degradation." *Chemosphere* 236, 124329 <https://doi.org/10.1016/j.chemosphere.2019.07.060>
- 2019 Pike, M.D., **H.K. Cooper**, and G. Hunt "Defining a 'Reasonable Geographic Framework': Cost Distance as Native Copper Provenance in the Arctic, Subarctic, and Northwest Coast." *Journal of Archaeological Science: Reports* 26, 101903.
- 2018 McMullen, S., **H.K. Cooper**, L. Zanotti "Electronic Life Histories: At Home with E-waste Waste Materialities and Meaning." *World Wide Waste* 1(1):1-13.
- 2017 **[Published 2020]**. Christian Daniel Thomas, P. Gregory Hare, Joshua D. Reuther, Jason S. Rogers, **H.K. Cooper**, E. James Dixon "Yukon First Nation use of Copper for End-Blades on Hunting Arrows" *Journal of Glacial Archaeology* 4:1-23.
- 2017 Cooper, H.K., K. Telmer, R.J. Hebda, and A. Mackie "The Kwäday Dä Ts'ínchi Copper Bead." In *Kwäday Dä Ts'ínchi: Long Ago Person Found*. Royal BC Museum: Victoria. Refereed.
- 2016 Cooper, H. K., O. K. Mason, V. Mair, J. F. Hoffecker, R. J. Speakman "Eurasian Metal Found in Ancient Alaska." *Alaska Park Science* 16(1):85-86.
- 2016 Cooper, H.K., Mason, O.K., Mair, V., and J.F. Hoffecker "Eurasian Metal Alloys on the Alaskan Coast in Prehistory." *Journal of Archaeological Science* 74:176-183.
- 2016 Cooper, H.K. "Arctic Archaeometallurgy." In, *The Oxford Handbook of the Prehistoric Arctic*, edited by T. Max Friesen and Owen Mason, pp. 175-195. Oxford University Press, New York.
- 2015 Cooper, H.K., Ames, K., and L. Davis "Metal and Prestige in the Greater Lower Columbia River Region, Northwestern North America." *Journal of Northwest Anthropology*, 49(2):143-166.
- 2015 Cooper, H.K. and Z. Al-Saad. "Metal Jewelry from Burials and Socioeconomic Status in Rural Jordan in Late Antiquity." *Mediterranean Archaeology and Archaeometry* (15)2:81-99.
- 2015 Cooper, H.K., J. Ling, and M. Brenneman "Is that Awl? An Experiment in Native Copper Manufacture and Innovation." *Ethnoarchaeology: Journal of Archaeological, Ethnographic, and Experimental Studies* 7(1):3-20.
- 2013 Cooper, H.K. and G. Bowen. "Metal Armor from St. Lawrence Island and Warfare across Bering Strait." *Arctic Anthropology* 50(1):1-19.
- 2012 Cooper, H.K. "Innovation and Prestige Among Northern Hunter-Gatherers: Late Prehistoric Native Copper Use in Alaska and Yukon." *American Antiquity* 77(3): 565-590.
- 2011 Cooper, H.K. "The Life (Lives) and Times of Native Copper in Northwest North America." *World Archaeology* 43(2):247-265.
- 2011 Cooper, H.K., A. Pedigo, S. Kumar. Analysis of Metal Artifacts from NAK0002 and XMK0051. In *Archaeology on the Alaska Peninsula: The Northern Section, Fifty Years Onward*, D.E. Dumond. University of Oregon Anthropological Papers Monograph No. 70.
- 2008 Cooper, H. K., M.J.M. Duke, A. Simonetti, and G.C. Chen "Trace Element and Pb Isotope Provenance Analyses of Native Copper in Northwestern North America: Results of a Recent Pilot Study Using INAA, ICP-MS, and LA-MC-ICP-MS." *Journal of Archaeological Science* 35: 1732-1747.
- 2006 Cooper, H.K. "Copper and Social Complexity: Frederica de Laguna's Contribution to Our Understanding of the Role of Metals in Native Alaskan Society." *Arctic Anthropology* 43(2): 148-163.

- 2004 Rose, J.C., N. Turshan, **H.K. Cooper**, I. Kehrberg, and J.M. Mitchem. Chapter 5. "Artifacts." In (J.C. Rose and D.L. Burke, Eds.) *Sa'ad: A Late Roman/Byzantine Site in Northern Jordan*. Irbid: Yarmouk University Publications.

Book Reviews

- 2015 Cooper, H.K. *Iron Age America Before Columbus* by William D. Conner. Reviewed for *American Antiquity* 80(3):627-8.

Reports

- 2018 Cooper, H.K., M. Capestrain, A. Ianlo, E. Stow, and H. Rowland. Analysis of Metal Artifacts from Suspected Neva Survivor Camp.
- 2016 Cooper, H.K., S. McMullen, L. Zanotti, N. Kong, M. Williams, G. Singer, S. Bockover, and A. Pittsley. The Purdue Electronic Life Histories Project. Report to the Andrew W. Mellon foundation and Purdue University Libraries, Catalyzing the Involvement of Humanists and Social Scientists in Grand Challenge Initiatives
- 2010 Handwerker, C., **H.K. Cooper**, and F. Zhao. Green TV: Hazardous Materials and Recyclability of Flat Panel Televisions. Submitted to Electronics TakeBack Coalition.

Popular Media

Stewart, Tamara (Winter 2016-2017) "Pre-contact Asian Metals Found In Alaskan Residential Sites," *American Archaeology* 20(4):11. One-page article in the magazine of The Archaeological Conservancy on research published in JAS.

Other Research Products

- 2013 <https://www.youtube.com/watch?v=eNOR8CxsHEg> Short documentary on native copper experimental research conducted during the summer of 2012, posted to YouTube.
- 2017 Guest Editor of Sustainability special issue "Waste, Space, and Place." http://www.mdpi.com/journal/sustainability/special_issues/Waste_Space_and_Place#editors
- 2018 Zanotti, L., **H.K. Cooper**, and S. McMullen, "Teaching Electronic Life Histories," posted to Cultural Anthropology – Teaching Tools December 14th, 2018. <https://culanth.org/fieldsights/1615-teaching-electronic-life-histories>

FUNDING – Awarded

- 2024 Wabash River Cultural Heritage Fund (State of IN/DNR/DHPA). Co-applicant with OPI and USI on grant for archaeological fieldwork summer 2025. \$99,000.00
- 2024 Institute for Heritage Education. \$1200 awarded to subsidize hosting a Project Archaeology workshop in June 2024.
- 2023 **NSF Arctic Social Sciences (OPP) - Doctoral Dissertation Research**: Doctoral Dissertation Research: The Legacy of the Gulkana Site: Collaborative Digital Archaeology and Northern Dene Technology. \$62,800.00. Principal Investigator: Harold Cooper; Co-Principal Investigator: Emily Fletcher.
- 2022 Purdue University College of Liberal Arts \$5,265 to support Maymester Archaeology Field School (ANTH 428) at Fort Ouiatenon.
- 2020 SVS Learning Grant – Sam Bakeis \$1250.
- 2019 IndianaView – Emily Fletcher \$750.
- 2017 **NSF Arctic Social Sciences (OPP) - Doctoral Dissertation Research**: Northern Innovation: Modelling Copper Technologies. \$18,893.00. Principal Investigator: Harold Cooper; Co-Principal Investigator: Matthew Pike.

- 2015 Purdue Research Foundation Research Grant. \$16,714 stipend for PhD student Matthew Pike for proposal “Prehistoric Copper Technology in the Arctic and Subarctic: A Geospatial Analysis of Hunter-Gatherer Innovation.”
- 2014 **Mellon Grand Challenge Exploratory Award. \$57,233.**
- 2014 American-Russian Investigation of the NEVA Wreck and Survivors' Camp: 200th Anniversary Expedition, Sitka, Alaska. \$4,000 for metallurgical analysis as a Consultant, AWARDED 4/29/14.
- 2011 Prehistoric Native Copper Technology in Northwest North America: Innovation, Diffusion, and Heritage. **NSF-Arctic Social Science. \$507,266** (3-year), #1108250, AWARDED 08/24/11.
- 2011 Purdue Research Foundation Summer Faculty Grant. Metals, Prestige, and Social Complexity among Northwest Coast Hunter-Gatherers, \$8,000.
- 2010 Purdue University Library Scholar's Grant. Indigenous Copper Metallurgy in Northwestern North America: Innovation in Hunter-gatherer Technology, \$5,000.
- 2009 The Tides Center “Green TV Research Project Sponsored by the Electronics Takeback Coalition,” with Carol Handwerker (Materials Engineering) and Fu Zhao (Mechanical Engineering), \$10,000.
- 2005 Investigating the Northwest North American Copper Trade Using Trace Element Analysis. PhD Fieldwork Grant, Canadian Circumpolar Institute, \$3,000 CAD.
- 2004 Investigating the Northwest North American Copper Trade Using Trace Element Analysis. PhD Fieldwork Grant, Canadian Circumpolar Institute, \$5,000 CAD.
- 2004 Collection of native copper from Alaska. PhD Fieldwork Grant, Department of Anthropology, University of Alberta, Edmonton, \$1,100 CAD.
- 2003 Collection of native copper from Alaska. PhD Fieldwork Grant, Department of Anthropology, University of Alberta, Edmonton, \$820 CAD.

CONFERENCE AND SYMPOSIA PAPERS AND POSTERS

- 2025 C. Apuzzo, **H.K. Cooper**, and M. Zbib. Blacksmithing at Fort Ouiatenon: A Preliminary Analysis of Metal Production During the French Fur Trade in Indiana. Paper presented at 58th annual conference on Historical and Underwater Archaeology.
- J. Culp and **H.K. Cooper**. Dress and Trade at Fort Ouiatenon and New France: Economic and Social Relations as Evidenced by Cloth Bale Seals. Paper presented at 58th annual conference on Historical and Underwater Archaeology.
- 2024 C. Apuzzo and **H.K. Cooper**. Metal Production at Abu Muslim qala: An Analysis of Metallurgical Waste from a Medieval Site in Central Asia. Poster presented at the 89th annual meeting of the Society for American Archaeology.
- H.K. Cooper. Project Archaeology Indiana. Presentation at the annual conference of the Indiana Council for Social Studies.
- 2023 C. Apuzzo and **H.K. Cooper**. Investigations of Pyrotechnological Debris from Fort Ouiatenon. Poster presented at the Midwest Archaeology Conference.
- 2023 H.K. Cooper, M. Pike, and G. Hunt. Precontact Native Copper Innovation in the North American Arctic, Subarctic, and Northwest Coast. Paper presented in symposium “From Hard Rock to Heavy Metal: Metal Tool Production and Use by Indigenous Hunter-Gatherers in North America,” 88th annual meeting of the Society for American Archaeology.
- 2023 M. Strezewski, **H.K. Cooper**, M. Jackson, and T. Martin. Fort Ouiatenon and the Indian and French Fur Trade on the Wabash River. Paper presented in symposium “Colonial Forts in Archaeological Perspective,” 56th Annual Conference on Historical and Underwater Archaeology.
- 2023 J.D. McMahan and **H.K. Cooper**. Revisiting Castle Hill (1804-1867): A Russian-American Company Fort in Tlingit Territory. Paper presented in symposium “Colonial

- Forts in Archaeological Perspective,"56th Annual Conference on Historical and Underwater Archaeology.
- 2023 Cassandra Apuzzo, **H.K. Cooper**, and Mohamad Zbib. Forging the Way: An Analysis of Metallurgical Waste at Fort Ouataton. 56th Annual Conference on Historical and Underwater Archaeology.
- 2023 Samuel Bakeis and **H.K. Cooper**. Metallographic and pXRF Analysis of Copper-Based Metals from Fort Ouataton. 56th Annual Conference on Historical and Underwater Archaeology.
- 2018 Isabelle Ortt, Brandon Battas, Charles Lasky, Jessica Scharrer, Jonathan Micon, **H.K. Cooper**. Experimental Replication of Native Copper Projectile Points. Poster, Fifth Science and Archaeology Symposium, Champaign, IL.
- 2018 C.D. Thomas, P.G. Hare, J.D. Reuther, J. Rogers, **H.K. Cooper**, and J.E. Dixon. A novel approach to identifying copper use in composite bone and antler technology. Paper, Alaska Anthropology Association.
- 2018 Isabelle Ortt, Brandon Battas, Charles Lasky, Jessica Scharrer, Jonathan Micon, **H.K. Cooper**. Experimental Replication of Native Copper Projectile Points. Poster, Alaska Anthropology Association.
- 2017 Co-organized and hosted the 13th annual Midwest Historical Archaeology Conference at Purdue University, October 2017.
- 2017 McMullen, S., L. Zanotti, **H.K. Cooper**. Electronic Life Histories: Bits, Bytes and Peripherals. Paper, American Anthropological Association.
- 2017 Cooper, H.K., R.J. Speakman, A. Simonetti, M. Pike, and G. Hunt. Copper Innovation in the North. Paper, Electronic Symposium, Society for American Archaeology.
- 2017 Pike, M., G. Hunt, H.K. Cooper. Copper Collections and Innovation at the Canadian Museum of History. Paper, Canadian Archaeology Association.
- 2016 Cooper, H.J. Life Histories in Archaeology. Invited keynote lecture delivered at the University of Wisconsin, Milwaukee Anthropology Student Union sponsored Student Colloquium.
- 2016 Cooper, H.K. and A. Simonetti. Lead Isotope Analysis of Geological Native Copper: Implications for Provenance Work. Paper, Canadian Archaeology Association.
- 2016 Cooper, H.K. and R. Speakman. Copper from Old Town, Yakutat Bay, Alaska. Paper, Canadian Archaeology Association.
- 2016 Micon, J. Classification and Copper: Experimental Insight on Native Copper Artifact Typology. Paper, Canadian Archaeology Association. **Undergraduate Student Supervisee.**
- 2016 Pike, M. Indigenous Copper Technology of the Central Arctic and Subarctic: Preliminary assessments of spatiotemporal variation in artifact morphologies. Paper, Canadian Archaeology Association. **Graduate Student Supervisee.**
- 2016 Singer, G. Waste, Residuals, and Ruins: A Political Ecology of Excess. Paper, Dimensions of Political Ecology. University of Kentucky. **Graduate Student Supervisee.**
- 2016 Singer, G. The Life History of Electronic Waste in Indiana: Cultural Theory, Households, and Discard. Paper, Society for Applied Anthropology. **Graduate Student Supervisee.**
- 2016 Pittsley, A. Perceptions and Ideas of Risk Surrounding Electronic Waste. Paper, Society for Applied Anthropology. **Undergraduate Student Supervisee.**
- 2015 Hunt, G. and **H.K. Cooper**. Marpole Copper Innovation. Paper, Canadian Archaeology Association. **Graduate Student Supervisee.**
- 2015 Pike, M. and **H.K. Cooper**. The Movement of Copper: Multivariate Cost Distance Analysis from Source to Site: Arctic, Subarctic, and Northwest Coast. Paper, Alaska Anthropological Association. **Graduate Student Supervisee.**
- 2015 Singer, G. The Electronic Waste Landscape WebGIS Project: Assessing Spatial and Cultural Phenomena within an Integrated Framework. Poster, Society for Applied Anthropology. **Graduate Student Supervisee.**

- 2015 Singer, G. A Digital Ethnography of E-Waste: Engaging with Consumption, Recycling, and Reuse in Tippecanoe County, Indiana. Unmaking Waste conference, Adelaide, Australia. **Graduate Student Supervisee**
- 2014 Carroll, E. Experimental Reproduction of Copper Production at the Gulkana Site. Poster, Society for American Archaeology. **Graduate Student Supervisee**
- 2014 Carroll, E. and **H.K. Cooper**. Native copper production and site formation at Gulkana/Ringling Site. Paper, Alaska Anthropological Association. **Graduate Student Supervisee.**
- 2013 Cooper, H.K., O.K. Mason, and J.F. Hoffecker. Eurasian Metals at Prehistoric Cape Espenberg. Paper, Alaska Anthropology Association.
- 2013 Diwakar, P., **H. Cooper**, S. Harilal, A. Hassanien. Provenance study of native copper using fs-LA-ICP-MS. Poster, Federation of Analytical and Spectroscopy Societies.
- 2012 Cooper, H.K., N. Waber, and C. Patterson. Prehistoric Copper Innovation(s) on the Northwest Coast. Paper, Alaska Anthropological Association.
- 2012 Cooper, H.K. and C. Handwerker. Technological Choice and the Greening of Electronics. Paper, Society for American Archaeology.
- 2011 Ames, K.M., **H.K. Cooper**, L. Davis. Analyses of Contact-era Cupreous Artifacts from the Meier and Cathlapotle Archaeological Sites, Lower Columbia River. Northwest Anthropological Conference.
- 2011 Zhao, Fu, **H. K. Cooper**, and C. Handwerker. Green TV: A Project-based Learning Module on Sustainable Electronics. Paper, International Symposium on Sustainable Systems and Technology, Chicago.
- 2010 Cooper, H. K. Prehistoric Copper on the Northwest Coast, presented at the University of British Columbia, Laboratory of Archaeology, Vancouver, BC.
- 2010 Cooper, H.K. Native Copper in Northwest North America, presented at Prince of Wales Northern Heritage Center, Yellowknife, NWT.
- 2010 Cooper, H.K. and N. Waber. Prehistoric Native Copper on the Northwest Coast. Paper, Society for American Archaeology.
- 2010 Cooper, H.K. Native Copper in Northwest North America. Paper, Alaska Anthropological Association.
- 2010 Cooper, H. K., F. Zhao, and C. Handwerker. Green Television. Paper, Sustainable Electronics Initiative (First Annual Symposium).
- 2008 Cooper, H. K. - Native Copper's Journey. Paper, Sixth World Archaeological Congress.
- 2008 Cooper, H. K., K. Telmer, and R. J. Hebda. Kwäday Dän Ts'ínchi's Copper Bead. Paper, Northwest Anthropological Conference.
- 2008 *Symposium Co-organizer and Co-chair* of "Ways of Becoming: Dynamic Processes in the Creation of Athapaskan Identities and Landscapes," Annual meeting of the Society for American Archaeology, 2008.
- 2008 Cooper, H. K. Native Copper Metallurgy of Northern Athapaskans. Paper, Society for American Archaeology.
- 2007 Cooper, H. K. Native Copper in Native Society. Public lecture sponsored by the Wrangell Institute for Science and Environment and the National Park Service.
- 2007 Cooper, H. K and M. L. Wayman. Metallography of Native Copper Artifacts: Description and Interpretation. Poster, Society for American Archaeology.
- 2006 Cooper, H. K. Native Copper Technology in the Yukon Territory and Alaska. Paper, Yukon Historical and Museums Association Symposium, "Discovering Northern Gold."
- 2006 Cooper, H. K. The Prehistoric Use of Copper in Northwestern North America. Paper, Society for American Archaeology.
- 2005 Cooper, H. K. Invention and Diffusion of Metallurgy in the New World and Implications for Multiple Independent Inventions in the Old World. Paper, Chacmool Conference.
- 2005 Cooper, H. K., M.J.M. Duke, J.D. McMahan, F. Cantelas, and M.L. Wayman.

- Analysis of Metallurgical Activity at Castle Hill, A Historic Russian Site in Sitka, Alaska. Paper, Chacmool Conference.
- 2005 Cooper, H. K. and M. J. M. Duke. Neutron Activation Analysis of Native Copper Sources in Alaska: Preliminary Results and Implications for Sourcing Copper Artifacts from Northwest Coast Archaeological Contexts. Paper, Canadian Archaeological Association.
- 2005 Cooper, H. K. and M. J. M. Duke - Preliminary Results of Native Copper Source Determination in Alaska Using Neutron Activation Analysis. Poster, Society for American Archaeology.
- 2005 Cooper, H. K. Copper and Sociopolitical Complexity. Paper, Alaska Anthropological Association.
- 2005 Cooper, H. K. and M. J. M. Duke. Source Determination of Native Copper Using Neutron Activation Analysis: Preliminary Results and Implications for Future Research. Poster, Alaska Anthropological Association.
- 2003 Cooper, H. K. Ahtna Athapaskan Social Complexity and Copper. Paper, University of Alberta, Frucht Symposium.
- 2003 Cooper, H. K. An Investigation of the Ahtna Copper Trade. Paper, University of Alberta, Northern Research Day.
- 2001 Cooper, H. K. and Z. Al Saa'd. Analysis of Copper Alloy Artifacts from Late Roman-Byzantine Tombs in Northern Jordan. Paper, American Schools of Oriental Research.
- 1998 Cooper, H. K. South Central Alaskan Copper Trade. Paper, Alaska Anthropological Association.
- 1997 Cooper, H. K. Distribution of Copper Artifacts in South Central Alaska. Paper, Arctic Archaeology Conference.

STUDENT SUPERVISION, MENTORING, AND FUNDING

Graduate - Current

Supervisor: Emily Fletcher (PhD), Cassie Apuzzo (PhD), Benjamin Grubbs (MS). **Committee Member:** Jenail Marshall (MS), Kari Guibault (MS)

Graduate Students – Completed

Supervisor:

- Garrett Hunt, M.S. 2015, Marpole Metal: Contextualizing the Evidence of Pre-Contact Copper Technology in the Salish Sea Basin.
- Marcela Poirier, Ph.D. 2019, Archaeology and Education: Learning about the Past in Chavín de Huántar, Peru. Purdue Global Synergy 2017
- Matthew Pike, Ph.D. 2020, Continuity and Change in Indigenous Copper Technologies of the Arctic and Central Subarctic. NSF Dissertation Improvement Grant
- Gideon Singer, Ph.D. 2020, An Applied Anthropology of Electronic Waste in Central Australia. Fullbright Fellowship.
- Melissa Torquato, Ph.D., Whe Do We Farm? A Statistical Analysis of Foraging-Farming Transition in the Interior Eastern Woodlands of North America.

Committee Member: Sarah Caldwell (PhD), Katie Whitmore (PhD), Christopher Stevenson (MS), Kaitlyn Sanders (PhD)

Undergraduate Research

2024-2025

Fall 2024

Jarren Haggard (Galleries – Icons)

Spring 2025

Wren Brown (Wilke)
Jarren Haggard (Galleries – Icons)
Kyah Sturm (Wilke)
Poseidon Thompson (Wilke)

2023-2024

Fall 2023
Sidney Eggleston (Wilke Data Science Project)
Spring 2024
Sidney Eggleston and Nathaniel Schaeffer (Wilke Data Science Project)

2022-2023

Spring 2023
Mikayla Klemp (ANTH 390 Credit working in Purdue Galleries), Jarren Haggard (Wilke Fort Ouiatenon Project), Isabelle Adnson (Wilke Data Science project)
Fall 2022
Apollo Bowyer (Wilke - Data Science Project), Mikayla Klemp (Wilke Fort Ouiatenon Project)

2021-2022

Sam Bakeis (Senior, Anthropology) supervised continuing research on Fort Ouiatenon metal and metallurgical artifacts as an OUR scholar beginning summer of 2021-spring 2022.
Wilke Interns Fall 2021 working on Fort Ouiatenon collections: Jacqueline Rogers, Dylan Tumey.
Dammon Dean's Scholar: Dorothy Tobe.
ANTH 390 Purdue Galleries Interns: Juniper Rodriguez, Kayla-Marie Mercedes Otero, Noah Kaufmann

2020-2021

Sam Bakeis (Junior, Anthropology) (fall 2020, spring 2021) supervised continuation of Dammon Dean's Scholar Program project "Fort Ouiatenon Collections Management & Public Archaeology" (fall 2020, spring 2021). Also supervised successful Purdue Student Service-Learning Grant Program for Community Service/Service Learning Projects application, \$1,275.00. Mary Phelan and Jennylee Torres.

2019-2020

Jacob Eckert (Senior, Anthropology) supervised Wilke Internship "Fort Ouiatenon Collections Management & Public Archaeology" (fall 2019).

Sam Bakeis (Sophomore, Anthropology) supervised Wilke Internship "Fort Ouiatenon Collections Management & Public Archaeology" (fall 2019), this project was changed to a Dammon Dean's Scholar Program project for spring 2020.

Nina Scheel (Junior, Anthropology) supervised Wilke Internship, poster presented at Purdue Undergraduate Research Conference April 14-21, "Lithic Tool Analysis Wilke Project" (spring 2020).

2018-2019

Evalyn Stow (Senior, Anthropology) served as committee member for Anthropology Undergraduate Honors Thesis "Quantitative Analysis of Bone Surface Modifications on the Bowser Road Mastodon and its Implications for Human Predation of North American Megafauna."

Isabelle Ortt (Senior, Anthropology) served as committee member for Anthropology Undergraduate Honors Thesis, "Mortuary and Paleopathological Analysis of New Kingdom Burials at Tombos."

2017-2018

Samaah El-Najjar (Senior, Political Science) supervised Wilke Internship (fall 2017, spring 2018) titled "The Archaeology of Beer."

Natalie Young (Senior, Anthropology) supervised Anthropology Undergraduate Honors Thesis (fall 2017, spring 2018) titled "Historical Archaeology and Public Education. Supervised Wilke Internship on same topic (fall 2017, spring 2018).

2016-2017

Samantha Diefenbacher (Junior, Anthropology) supervised Wilke Internship (spring 2017) titled "Visual Anthropology of Native American Cultures"

Tess Marshall (Senior, Political Science) Supervised Wilke Internship (spring 2017) titled "Visual Anthropology of Native American Cultures"

2015-2016

Jonathan Micon (Senior, Anthropology) – Supervised Wilke internship (Fall and Spring) and Anthropology Honors Thesis titled "Classification and Copper: Experimental Insight on Native Copper Typology."

Matthew Campbell (Senior, History and Chemistry) – Supervised Wilke internship (Fall and Spring) titled "Analysis of Russian Metallurgical Artifacts from the Baranof Castle Hill Site, Sitka, Alaska."

Austin Pittsley (Junior-Senior, Anthropology) – Supervised Wilke internship (Fall and Spring) on e-waste related research.

2014-2015

Jonathan Micon (Junior, Anthropology) – Supervised Wilke Internship (Fall and Spring) organizing and studying collection of lithic artifacts donated by amateur collector.

Sylvia Jingqi Cong (Senior, Visual and Performing Arts – Supervised Wilke Internship (Fall) exploring concepts for collaborative book and exhibit project about copper with Ahtna Heritage Foundation.

Grant Owen (Junior, Anthropology) – Supervised Andrew Mellon Foundation funded undergraduate research assistantship compiling bibliography on e-waste.

Zane Egget (Sophomore, Anthropology) - Multi-media Publishing in Archaeology

2013-2014

Kathryn Keck (Senior, Anthropology) – Supervised Wilke Internship (Fall and Spring) examining and inventorying archivable materials important for understanding the history of anthropology at Purdue University.

Michael Kristoff (Senior, Anthropology) – Supervised Wilke Internship (Spring) designing lesson plan for youth that integrates instruction in the STEM disciplines with archaeology.

2012-2013

Marah Brenneman (Senior, Anthropology) – Supervising Work-Study employment creating online educational materials for school kids that combine native copper archaeology with STEM disciplines.

Amber Calli Millikan (Senior, Anthropology) – Supervised Anthropology Honors thesis (Fall and Spring) “Dress, Ethnicity, and Identity at Fort Ouiatenon: A Look at How the Items of Personal Adornment in the Fort Ouiatenon Artifact Collection Can Give Valuable Insight into Native American Agency and Identity”

Summer 2012

Jenna Ling (Junior, Materials Science Engineering) and *Marah Brenneman* (Junior, Anthropology) – Supervised their work as Research Assistants carrying out native copper working experiment.

2011-2012

Yifan Wang (Senior, Industrial Design) –Supervised Wilke internship related to my ongoing research on e-waste conducting a literature review of the intersection of e-waste and technological behavior and developing a draft questionnaire for use in collecting information about individuals technological behavior as it relates to e-waste (Fall).

Kevin Jones (Senior, Anthropology) – 1) Anthropology Honors (Fall and Spring), supervised Kevin’s Undergraduate Honors Thesis “Ft. Ouiatenon and the Archaeology of the Fur Trade,” and 2) his Work-Study employment building and organizing EndNote bibliography (Fall and Spring).

Emily Fleagle (Senior, Anthropology) – Anthropology Honors (Spring and Fall), committee member.

Carey Patterson (Senior, Anthropology) – Supervised Work-Study employment creating and updating electronic database on native copper in British Columbia and making maps for journal article manuscripts (Fall and Spring).

Crystal Moore (Junior, Anthropology) – Supervised Work-Study employment organizing and updating my research bibliography (Fall).

2008-2009

Mallory Lopez (Senior, Anthropology), supervised work-study employment conducting literature review and creating and updating computer databases related to my research on native copper in northwest North America (Spring).

Amanda Baron (Senior, Anthropology), supervised volunteer work organizing and updating my research bibliography.

TEACHING AND RELATED EXPERIENCE

- *College of Liberal Arts Kenneth T. Kofmehl Outstanding Undergraduate Teaching Award for 2021-2022.*
- *Certified Project Archaeology Master Teacher, June 2019.*
- *College of Liberal Arts Outstanding Undergraduate Teacher 2017-2018.*

Courses Taught at Purdue

ANTH 201 Introduction to Archaeology and World Prehistory

ANTH 210 Technology and Culture
ANTH 256 Archaeology of Beer
ANTH 313 Archaeology of North America
ANTH 377 Hunter-Gatherer Societies
ANTH 379 Native American Cultures
ANTH 428 Field Methods in Archaeology
ANTH 589 Archaeology and Materials Science

ARCHAEOLOGICAL FIELDWORK AND RESEARCH EXPERIENCE

2025 Co-Directed Maymester Archaeology Field School at the Ouataton Preserve.
2022 Co-Directed Maymester Archaeology Field School at the Ouataton Preserve.
2014 August - Collections research and XRF analysis at Royal British Columbia Museum
2013 June - Collections research and XRF analysis University of Alaska Museum of the North and University of Alaska Anchorage.
2012 August - Copper Sourcing Fieldwork in Wrangell-St. Elias National Park and Preserve
2012 October - Collections research and XRF analysis University of Pennsylvania Museum of Anthropology and Archaeology
2011 Spring – Collections research University of Alaska Museum of the North.
2010 Fall - Collections and archival research on the prehistoric use of native copper at: the Royal British Columbia Museum, B.C. Archaeology Branch, University of B.C., and Prince of Wales Northern Heritage Center, Yellowknife, NWT.
2009 Summer - Collections and archival research on the prehistoric use of native copper at: the Royal British Columbia Museum, B.C. Archaeology Branch, University of B.C., University of Victoria, and Simon Fraser University.
2005 Collections research University of Alaska Museum of the North.
2004 National Park Service Volunteer/Researcher Wrangell-St. Elias National Park and Preserve, AK
2001-3 National Park Service Seasonal Archeologist Wrangell-St. Elias National Park and Preserve, AK (GS-7 and GS-9).
2002 Assistant Field Director: Supervised excavation and logistical operations during the University of California Santa Barbara Expedition to Tombos, Sudan.
2000- CRM Archaeology Technician, multiple firms in southern California.
2001
1999 Graduate Teaching Assistant: Joint Yarmouk University and University of Arkansas Bioarchaeology Field School in northern Jordan.
1998 Graduate Field School Student: Joint Yarmouk University and University of Arkansas Bioarchaeology Field School in northern Jordan.
1998 Graduate Student Intern, State of Alaska Office of History and Archaeology.
1993-7 Undergraduate Student Intern, State of Alaska Office of History and Archaeology.

DEPARTMENTAL COMMITTEES AND RESPONSIBILITIES

Engagement Committee, member, August 2024-Present
Undergraduate Committee, member, August 2023-2024
Director of Undergraduate Studies, Department of Anthropology August 2019-December 2022.
Cooper, H.K, Lindshield, Stacy, and Laura Zanotti, co-organizers. Anthropop: The Mandalorian Series. Department of Anthropology, Purdue University. April 2021.
Faculty Search Committee – 2018-2019
Faculty Search Committee – 2017-2018
Faculty Search Committee - Applied Associate Professor, 2013-2014
Graduate Committee, member, fall 2013-spring 2014
Undergraduate Committee, member, fall 2008 – spring 2013, fall 2017 - present
Purdue Anthropology Society (PAST), faculty advisor, fall 2008 – spring 2010

Anthropology Graduate Student Organization, faculty advisor, fall 2008 – spring 2010
Brown Bag/Colloquium/Intellectual Life Committee, member, fall 2011 – spring 2013
Dept. Representative to the College of Liberal Arts Faculty Senate, fall 2011 – spring 2014
Dept. Representative to the University Faculty Senate, fall 2015

On Sabbatical Spring 2016 and Fall 2016

Graduate Committee, member, spring 2017
Undergraduate Committee, member, fall 2017- to present

COLLEGE OF LIBERAL ARTS

- BS Degree in CLA Committee
- Director of Native American and Indigenous Studies minor program, 2019-present.
- Reviewer: Bilsland 2010, Library Scholar's Grant 2011, Distinguished Master's Thesis Award 2013, Distinguished Master's Thesis Award 2014.
- Presented "The Anthropology Major" to students in General Studies 119, spring 2013 and 2014.
- Panel member "Purdue @ the Intersection" Discussion of interdisciplinary teaching and research in the liberal arts, April 10, 2014
- Reviewer for CLA Exploratory Research in Social Science grant, 2016.
- Reviewer for CLA Exploratory Research in Social Science grant, 2017.
- Educational Policy Committee, member, fall 2015, spring 2017-spring 2018, Chair academic year 2018-19.

COLLEGE OF ENGINEERING

2015 Served as Industrial Scholarship judge for the Purdue Engineering Student Council.

PROFESSIONAL ACTIVITIES

Reviewer for Peer Review Journals: 1) *Analytical and Bioanalytical Chemistry*, 2) *American Antiquity* (x4), 3) *Journal of Archaeological Science* (x3), 4) *Journal of Archaeological Science: Reports* (x3) 5) *Journal of Archaeological Method and Theory*, 6) *Journal of Anthropological Archaeology*, 7) *Open Archaeology*, 8) *International Journal of Historical Archaeology*, 9) *Applied Geography*, (10) *Journal of Island and Coastal Archaeology*, (11) *Minerals*, (12) *Coatings*, (13) *Antiquity*, (14) *North American Archaeologist*, (15) *Human Organization*, (16) *Journal of Alabama Archaeology*

Reviewer for Grants:

- National Science Foundation (once for general archaeology and once for Arctic Social Sciences)
- National Geographic Society
- Israel Science Foundation

Reviews for Book Publishers:

- Texas A&M University Press 2025
- Routledge/Taylor & Francis Group 2024
- Lexington Books 2021

PROFESSIONAL MEMBERSHIPS

Society for American Archaeology (SAA)
Alaska Anthropological Association (AAA)
The Society for Archaeological Sciences (SAS)

Canadian Archaeological Association (CAA)
The Historical Metallurgy Society (HMS)
Society for Historical Archaeology (SHA)

PUBLIC OUTREACH & INVITED LECTURES

2025

- Presented lecture: Indigenous Copper Innovation in the Far North. University of Southern Indiana World Languages and Cultures Anthropology Speaker Series. April 7th.

2024

- Presented lecture: Indigenous Copper Innovation in the Far North as invited speaker to the Department of Anthropology Purdue University Fort Wayne. February 8th.
- Provided archaeological outreach activities at the Feast of the Hunters' Moon School Days October 3rd and 4th.
- Provided education for 15 youth working to earn their Archaeology Merit Badge at the Boy Scouts of American "Scouting University" event at Purdue December 7th.
- Hosted a booth for Project Archaeology at the Indiana Council of Social Studies conference in Columbus, IN November 8th.

2023

- Presented lecture on research and Anthropology Department to Purdue Polytechnic HS in Indianapolis. Five Zoom lectures in fall of 2023.
- Presented lecture on research and Anthropology Department to McCutcheon High School Anthropology class.

2022

- Presented lecture on research and Anthropology Department to Purdue Polytechnic HS in Indianapolis. Two in-person lectures in September, two Zoom lectures in December.
- Presented lecture on research and Anthropology Department to McCutcheon High School Anthropology class.
- Presented (with graduate students) native copper workshop to Junior High/High School students in University of Alaska-Anchorage, Alaska Native Student Engineering Program.
- Presented (with graduate students) Archaeology Camp to Ahtna community in Glenallen.

2019

- Presented native copper workshop to Junior High/High School students in University of Alaska-Anchorage, Alaska Native Student Engineering Program.

2017

- Assisted graduate student in delivering community outreach presentations and activities on the ancient use of copper to two Inuit communities in Nunavut (Cambridge Bay and Kugluktuk).

2016

- Working with Purdue Graduate and Undergraduate students provided two half-day sessions on traditional copper working to First Nations and other community members at the Kwanlin Dun Cultural Centre in Whitehorse, Yukon in May.
- CBC Interview...
- Guest presenter for Rotary Club of Lafayette Daybreak September 1st. Lecture titled: "Electronic Life Histories Project."

2015

- As part of the All-You-Can-Learn/Elder Hostel program at Purdue delivered provided lecture on research of ancient copper innovation June 17th.
- Participated in, and organized Anthropology graduate and undergraduate participation in Indiana Archaeology Month event co-hosted and co-organized with the Tippecanoe County Historical Association in September.

2014

- Organized participation of graduate students in artifact identification session with the Tippecanoe County Historical Association during Indiana Archaeology Month in September.

2013

- With graduate student assistance provided workshops on ancient and historic copper working to youth and adults at two Ahtna community culture camps, Klutina (August 2nd and 3rd) and Ts'edi'na (August 10th).
- Organized participation of graduate students in artifact identification session with the Tippecanoe Historical Association during Indiana Archaeology Month in September.

2012

- Delivered invited lecture "The Life and Times of Copper in the Northwest" to the Peoria chapter of the American Society for Materials, February 11th.
- Organized participation of graduate and undergraduate students in artifact identification session with the Tippecanoe Historical Association during Indiana Archaeology Month in September.

2011

- Co-Chaired "Wiping Away the Tears: The Battle of Tippecanoe in History and Memory." This symposium held November 3-5 at Purdue University brought scholars and Native American leaders together to discuss the events leading up to the 1811 Battle of Tippecanoe and its consequences for Native Americans in Indiana.
- Participated in Artifact Identification Session in cooperation with the Tippecanoe Historical Association during Indiana Archaeology Month, September 12th.

2010

- Participated in Artifact Identification Session in cooperation with the Tippecanoe Historical Association during Indiana Archaeology Month, September 12th.

2009

- *What Do Archaeologists Do?* Public question and answer event at Ft. Ouiatenon sponsored by the Tippecanoe County Historical Association for Indiana Archaeology Month in September.
- WBAA radio interview for Indiana Archaeology Month, September 2nd.
- Lectured on "Archaeological Theory" and "Artifacts and Prehistoric Technologies" for Tippecanoe County Historical Association's summer Archaeology High School program.
- Organized Archaeology Day for 30 local Girl Scouts, assisting them in obtaining their Archaeology activity badge.

2008

- Guest lecture "Captain Cook, Captain Vancouver and the Native People of the Pacific," Wabash Area Lifetime Learning Association, Inc. (WALLA), October 29.