

Harold Kory Cooper  
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School of Materials Engineering (Courtesy Appointment)  
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## RESEARCH INTERESTS

Technology and Innovation, Archaeology and Ethnohistory of Northwest North Americas  
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 Contract

M. Jackson, D. Hovde, and H.K. Cooper (Eds.) *As Far As One Can See There Are Only Prairies: The History and Archaeology of Fort Quiatenon*. Purdue University Press.

### In Print

- 2021 Brite, E., E. Fletcher, **H.K. Cooper**, S. Amirov, A. Iskanderova, A. Torenliyazov, 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. Patterson "Precontact Native Copper Innovation in British Columbia." *Canadian Journal of Archaeology* 44(2) 2020.
- 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
- 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'ınchi Copper Bead." In *Kwäday Dä Ts'ınchi: 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. Brennenman "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](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 14<sup>th</sup>, 2018.  
<https://culanth.org/fieldsights/1615-teaching-electronic-life-histories>

## FUNDING

- 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), 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

- 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 13<sup>th</sup> 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'inchi'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

**Supervisor:** Emily Fletcher (Ph.D.), Nils Landin (Ph.D.), Cassie Apuzzo (M.S.)

**Committee Member:** Sarah Caldwell (PhD), Katie Whitmore (PhD), Kaitlyn Sanders (PhD), Christopher Stevenson (MS), Jenail Marshall (MS), Kari Guibault (MS)

### Graduate Students – Completed

- 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.

### Undergraduate

#### **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 Academic Year**

*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 Academic Year**

*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 Academic Year**

*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 Academic Year**

*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 Academic Year**

*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 Academic Year**

*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 Academic Year**

*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 Academic Year**

*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**

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

#### 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**

2022 Co-Directed Maymester Archaeology Fieldschool at Fort Oujatenon

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.
- 2000-2001 CRM Archaeology Technician, multiple firms in southern California.
- 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**

Director of Undergraduate Studies, Department of Anthropology 2019-present.  
 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**

- 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: 1) *Analytical and Bioanalytical Chemistry*, 2) *American Antiquity* (x3), 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) the

National Science Foundation (once for general archaeology and once for Arctic Social Sciences), and 11) the National Geographic Society.

### **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 of Historical Archaeology (SHA)

### **PUBLIC OUTREACH & INVITED LECTURES**

#### **2022**

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

#### **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 1<sup>st</sup>. 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 17<sup>th</sup>.
- 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 2<sup>nd</sup> and 3<sup>rd</sup>) and Ts'edi'na (August 10<sup>th</sup>).
- 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 11<sup>th</sup>.
- 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 12<sup>th</sup>.

**2010**

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

**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 2<sup>nd</sup>.
- 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.