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Register of Professional Archeologists (RPA) #16380

**CURRENT POSITIONS**

**Research Scientist II, Institute of Arctic and Alpine Research (INSTAAR), University of Colorado**, Campus Box 450, Boulder, CO 80309, (303) 817-8981, [craig.lee@colorado.edu](mailto:craig.lee@colorado.edu) (2012 to present, AVG 20% time; Research Scientist I, 2007–2011, average 20% time)

**EDUCATION**

- 2007 **PhD, Anthropology (Archaeology), University of Colorado, Boulder, Colorado**  
Dissertation title: *Origin and Function of Early Holocene Microblade Technology in Southeast Alaska, USA*  
Chair: E. James Dixon
- 2001 **MA, Anthropology (Archaeology), University of Wyoming, Laramie, Wyoming**  
Thesis title: *Microblade Morphology and Trace Element Analysis: An Examination of Obsidian Artifacts from Archaeological Site 49-PET-408, Prince of Wales Island, Alaska*  
Chair: Robert L. Kelly
- 1996 **BS, Sociology (Anthropology option), Montana State University, Bozeman, Montana**

**AWARDS, PRIZES, AND FELLOWSHIPS**

- 2016 Camp Monaco Prize, sponsored by Buffalo Bill Historical Center's Draper Natural History Museum, University of Wyoming's Biodiversity Institute, and the Prince Albert II of Monaco Foundation – USA. Awarded Salle des Etoiles (Sporting d'Été), Monte Carlo, Monaco.
- 2012 U.S. Department of the Interior's 2012 Partners in Conservation Award in recognition of outstanding conservation achievements attained through collaboration and partnership for the Glacier National Park Ice Patch Archaeology and Paleoecology Project.
- 2007 Fellowship – Cody Institute for Western American Studies, Buffalo Bill Historical Center and Museum, Cody, Wyoming.

**ACADEMIC GRANTS AND CONTRACTS AS PRINCIPAL INVESTIGATOR (PI) AT UNIVERSITY OF COLORADO**

(Total dollars awarded to date at University of Colorado = \$1,159,337)

- 2021 **\$7,191** – Archaeological and Paleobiological Investigation of the Republic Pass Ice Patch. Shoshone National Forest.
- 2021 **\$1500** – Private donation to Craig Lee's Archaeological Research Fund.  
(<https://giving.cu.edu/fund/archaeological-research-fund>).
- 2020 **\$2,584** – Private donations to Craig Lee's Archaeological Research Fund.  
(<https://giving.cu.edu/fund/archaeological-research-fund>).
- 2019 **\$50,000** – Private donation to Craig Lee's Archaeological Research Fund  
(<https://giving.cu.edu/fund/archaeological-research-fund>).
- 2017 **\$82,901** – Perennial Snow and Ice Patches in Yellowstone National Park (requested by Yellowstone NP and administered through Rocky Mountain Cooperative Ecosystem Studies Unit [RM-CESU]).
- 2017 **\$15,000** – *Ice Patch Archaeology*, Montana PBS Documentary, Heritage Stewardship Enhancement Award (administered by Custer National Forest).
- 2016 **\$114,216** – Camp Monaco Prize: Biodiversity of the Longue Durée: Melting Ice and the Synergy of Humans, Bison, Big Horn Sheep, and Whitebark Pine in the Greater Yellowstone, funded by the Buffalo Bill Historical Center's Draper Natural History Museum, University of Wyoming's Biodiversity Institute, and the Prince Albert II of Monaco Foundation – USA.

- 2015 **\$5,292** – Additional Radiocarbon Dates on Tree Rings and Ice Cores from Select Perennial Ice Patches, funded by Custer National Forest.
- 2014 **\$24,200** – Survey and Monitoring Strategies: Melting Snow and Ice at the Crossroads of Culture and Climate Change (Phase 2), funded by Greater Yellowstone Coordinating Committee.
- 2014 **\$4,000** – Write-up and dissemination of Archeological and Paleobiological Reconnaissance of Perennial Ice and Snow Patches Custer National Forest, Montana Modification 4, funded by Custer National Forest.
- 2013 **\$9,998** – Identification and Mitigation for Endangered Archaeological Remains Exposed by Melting Snow and Ice on the Dilworth Bench, Wyoming, funded by United States Forest Service, Region 2.
- 2013 **\$28,073** – Continuation of Ice Patches as Sources of Archeological and Paleoecological Data in Global Warming Research: Glacier National Park (co-PI with Robert L. Kelly), funded by U.S. National Park Service via University of Wyoming.
- 2013 **\$5,000** – Further Paleoecological Study of Select Perennial Ice Patches, Including Ice Coring, Modification 3 to Archeological and Paleobiological Reconnaissance of Perennial Ice and Snow Patches, funded by Custer National Forest.
- 2013 **\$5,700** – Paleontological Analysis and <sup>14</sup>C Dating of Extant *Ovis canadensis* (Big Horn Sheep) Skulls from an Ice Patch, Modification 2 to Archeological and Paleobiological Reconnaissance of Perennial Ice and Snow Patches, funded by Custer National Forest.
- 2012 **\$6,000** – Ice Patches and Relict Wood: A Paleoclimate Proxy for the Rocky Mountain West (with Gregory T. Pederson, USGS, and Jeff Lukas, NOAA), funded by Custer National Forest.
- 2011 **\$10,000** – Archeological and Paleobiological Reconnaissance of Perennial Ice and Snow Patches, funded by Custer National Forest.
- 2011 **\$10,000** – Phase II: Archeological Survey of Perennial Snow and Ice Patches in Yellowstone National Park, funded by RM-CESU through Yellowstone National Park.
- 2010 **\$651,000** (3-year project) – Ice Patches as Sources of Archeological and Paleoecological Data in Global Warming Research: Glacier National Park (co-PI with Robert L. Kelly), funded by U.S. National Park Service.
- 2010 **\$5,000** – Continuation of Archeological/Paleobiological Reconnaissance and Monitoring of Perennial Ice-Patches in the Absarokee-Beartooth Mountains, Revisited, funded by United States Forest Service Heritage Stewardship Enhancement Award (administered by Custer National Forest).
- 2010 **\$2,400** – Award for travel and presentations to Chugach National Forest Resource Managers and Kenaitze Indian Tribe, funded by Chugach National Forest.
- 2009 **\$22,000** (includes 3 days of helicopter and fixed-wing aircraft support) – Ice on the Edge, Discover Denali Award, funded by Denali National Park.
- 2009 **\$16,000** – Continuation of Archeological/Paleobiological Reconnaissance and Monitoring of Perennial Ice-Patches in the Absarokee-Beartooth Mountains, Revisited, funded by United States Forest Service Heritage Stewardship Enhancement Award (administered by Custer National Forest).
- 2009 **\$4,000** – Perennial Snow and Ice-Patches in the Greater Yellowstone Area: An Archeological and Ecological Assessment of Prehistoric Human Activity, funded by the Shoshone National Forest
- 2009 **\$9,075** – Ice on the Edge: Global Warming and a New Archeological/Paleontological Research Area in Rocky Mountain National Park, funded by Rocky Mountain National Park.
- 2008 **\$4,200** – Stabilization and Transfer of Artifacts from On-Your-Knees Cave (49PET408), Prince of Wales Island, Alaska, to University of Alaska Museum, Fairbanks from INSTAAR, funded by Tongass National Forest.
- 2008 **\$13,800** – Archeological Survey of Perennial Snow and Ice Patches in Yellowstone National Park, funded by Rocky Mountain Cooperative Ecosystem Studies Unit (RM-CESU).
- 2008 **\$20,000** – Archeological/Paleobiological Reconnaissance and Monitoring of Perennial Ice-Patches in the Absarokee-Beartooth Mountains, Revisited, funded by United States Forest Service Heritage Stewardship Enhancement Award (administered by Custer National Forest).
- 2007 **\$8,000** – Continuation: Proposal to Conduct Archeological/Paleobiological Reconnaissance of Select Perennial Ice-Patches on Custer and Gallatin National Forest Lands, Montana, funded by United States Forest Service Heritage Stewardship Enhancement Award (administered by Custer National Forest).

- 2007 **\$5,000** – Program Development and Ethnohistoric Context for Assessing the Prehistoric Ecology of Greater Yellowstone Area Snow and Ice Resources, funded by Cody Institute for Western American Studies, Buffalo Bill Historical Center and Museum, Cody, Wyoming.
- 2006 **\$1,000** – Perennial Snow and Ice-Patches in the Colorado Front Range: The Search for Prehistoric Human Activity, funded by Karen S. Greiner Foundation.
- 2005 **\$6,200** – Proposal to Conduct Archeological/Paleobiological Reconnaissance of Select Perennial Ice-Patches on Custer and Gallatin National Forest Lands, Montana, funded by United States Forest Service, Agriculture Forest Award (award used in 2006).
- 2005 **\$800** – Proposal to Conduct AMS <sup>14</sup>C Dating and Carbon and Nitrogen Isotope Analysis on Bison (*Bison bison*) Remains Recovered from Several Front Range Colorado Ice-Patches, funded by Colorado Mountain Club.
- 2003 **\$1,465** – An Exploration of Southeast Alaskan Microblade Lithic Assemblages: Implications for Regional Continuity Along the Late Pleistocene Waterscape of the Northwestern Pacific Rim, funded by William H. Burt Award, University of Colorado Museum of Natural History.
- 2003 **\$600** – Colorado Ice Patch Research, funded by Colorado Archaeological Society.
- 2002 **\$1,500** – Preliminary Analysis of Lithic Artifacts from Northern Northwest Coast, funded by University of Colorado Department of Anthropology Pre-Dissertation Award.
- **\$5,642** – Miscellaneous travel awards received to date (e.g., American Quaternary Association, Montana Archaeological Society, National Park Service, University of Colorado Graduate School, etc.).

#### **OTHER ACADEMIC GRANTS AND CONTRACTS AS PRIMARY PARTICIPANT**

- 2015 **\$25,000** – Genetic Analysis of Bighorn Sheep Populations in Montana and Neighboring States, PI: Robert Garrott, Montana State University, funded by two chapters of The Wild Sheep Foundation, the Montana chapter (\$20k) and the Midwest chapter (\$5k).
- 2014 €18,134 (Euro) [**\$24,087** (USD)] – Des Rennes Dans Les Névés, Des Armes De Chasse Dans La Glace: Des Pratiques Cynégétiques Préhistoriques Dévoilées Par La Fonte Des Neiges, PI: Yan Axel Gómez Coutouly, Université Paris-Ouest Nanterre La Défense, funded by Maison Archéologie & Ethnologie , René-Ginouvès (MAE).
- 2008 **\$45,000** – Absaroka-Beartooth Alpine Climate Change Assessment and Analysis, PI: Dan Seifert, Geologist, Custer National Forest, funded by United States Forest Service Remote Sensing Applications Center.
- 2003 **\$375,253** – Completing Archeological Research at On-Your-Knees Cave, Southeast Alaska, PI: E. James Dixon, INSTAAR, University of Colorado, funded by National Science Foundation
- 2002 **\$266,542** – Archeology of Alaska Glaciers and Snowfields, Phase II, PI: E. James Dixon, INSTAAR, University of Colorado, funded by National Science Foundation.

#### **REFEREED (PEER-REVIEWED) PUBLICATIONS – JOURNAL ARTICLES**

- 22 Ackermann, Brandon; **Craig M. Lee**; David McWethy; Nathan Chellman; Joe McConnell  
2021 An Application of Ground-Penetrating Radar at a Greater Yellowstone Area Ice Patch. *Journal of Glacial Archaeology* 5:73-83.
- 21 Taylor, William, Isaac Hart, Caleb Pan, Jamsranjav Bayarsaikhan, James Murdoch, Julia Clark, Gino Caspari, Michael Klinge, Kristen Pearson, Umirbek Bikhumar, Muhammad Zahir, Nicholas Jarman, Mark Williams, Devin Pettigrew, Nicole Boivin, **Craig M. Lee**, E. James Dixon, and Michael Petraglia  
2021 High altitude hunting and the emergence of mobile pastoralism in eastern Eurasia. *Scientific Reports*. 11, 14287 <https://www.nature.com/articles/s41598-021-93765-w>
- 20 Greer, Sheila, Christian D. Thomas, Kyra Chambers, Diana Tirlea, Aaron Osicki, Todd Kristensen, **Craig M. Lee** (author order based on North to South geography)  
2021 High Elevation North America: Ice bound histories from Yukon, Alberta and the Greater Yellowstone Area. *Archäologie in Deutschland*. Sonderheft 21(2):70-80.
- 19 Chellman, Nathan, Gregory T. Pederson, **Craig M. Lee**, David B. McWethy, Kathryn Puseman, Jeffery R. Stone, Sabrina R. Brown, Joseph R. McConnell

- 2021 High elevation ice patch documents Holocene climate variability in the northern Rocky Mountains. *Science Advances*, 3(100021). <https://doi.org/10.1016/j.qsa.2020.100021>
- 18 Neeley, Michael P., and **Craig M. Lee**  
2020 Assessing the Cortex Ratio at the Beaucoup Site (24PH188/189). *Lithic Technology* 45(4):227-239.
- 17 Knell, Edward, and **Craig M. Lee**  
2020 New Radiocarbon Dates from the Late Paleoindian Cody Complex Component at the Lamb Spring Site, Douglas County, Colorado. *PaleoAmerica*, 6(4):374-378.
- 16 Taylor, William, Julia K. Clark, Björn Reichhardt, Gregory Hodgins, Jamsranjav Bayarsaikhan, Oyundelger Batchuluun, Jocelyn Whitworth, Myagmar Nansalmaa, **Craig M. Lee**, and E. James Dixon  
2019 Investigating Reindeer Pastoralism and Exploitation of High Mountain Zones in Northern Mongolia Through Ice Patch Archaeology. *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0224741>
- 15 **Lee, Craig M.**, and Kathryn Puseman  
2017 Ice Patch Hunting in the Greater Yellowstone Area, Rocky Mountains, USA: Wood Shafts, Chipped Stone Projectile Points, and Bighorn Sheep (*Ovis canadensis*). *American Antiquity* 82(2):223–243 (cover).
- 14 **Lee, Craig M.**, Michael P. Neeley, Mark Mitchell, Marcel Kornfeld, and Crae O’Conner  
2016 Microcores and Microliths in High Plains and Rocky Mountain Front Lithic Assemblages. *Plains Anthropologist* 61(238):136–158.
- 13 **Lee, Craig M.**, and Ted Goebel  
2016 The Slotted Antler Points from Trail Creek Caves, Alaska: New Information on Their Age and Technology. *PaleoAmerica* 2(1):40–47.
- 12 **Lee, Craig M.**, Robert L. Kelly, Rachel Reckin, Ira Matt, and Pei-Lin Yu  
2014 Ice Patch Archaeology in Western North America. *SAA Archaeological Record* 14(2):15–19.
- 11 McConnell, Bill, and **Craig M. Lee**  
2013 Just the Tip: Replication and Use of a 10,400-Year-Old Cody-Age Foreshaft. *Bulletin of Primitive Technology* 46:25–26.
- 10 **Lee, Craig M.**  
2012 Withering Snow and Ice in the Mid-Latitudes: A New Archaeological and Paleobiological Record for the Rocky Mountain Region. *Arctic* 65 (Special Issue):165–177.
- 9 **Lee, Craig M.**, and James B. Benedict  
2012 Ice Bison, Frozen Forests, and the Search for Archaeology in Colorado Front Range Ice Patches. *Colorado Archaeology* 78(1):41–46.
- 8 **Lee, Craig M.**, Jennifer B. Lee, and Jocelyn Turnbull  
2011 Refining the Chronology of the Agate Basin Complex: Radiocarbon Dating the Frazier Site, Northeastern Colorado. *Plains Anthropologist* 56(219):243–258.
- 7 **Lee, Craig M.**, and Michael D. Metcalf  
2011 Ancient Export or Seasonal Transhumance? A Role for Snake River Plain Obsidian in the Lives of the Ancient Peoples of Northwest Colorado & Southwest Wyoming. *Idaho Archaeologist* 34(1):13-18.
- 6 **Lee, Craig M.**  
2010 Global Warming Reveals Wooden Artefact Frozen over 10,000 Years Ago in the Rocky Mountains. *Antiquity* 84(325) online project gallery, <http://antiquity.ac.uk/projgall/lee325/>.
- 5 Benedict, James B., Robert J. Benedict, **Craig M. Lee**, and Dennis Staley  
2008 Spruce Trees from a Melting Ice Patch: Evidence for the Beginning of Neoglaciation in Rocky Mountain National Park, Colorado. *The Holocene* 18(7):1067–1076.
- 4 Dixon, E. James, **Craig M. Lee**, William F. Manley, Ruth Ann Warden, and William D. Harrison  
2007 The Frozen Past of Wrangell-St. Elias National Park and Preserve. *Alaska Park Science: Scientific Studies on Global Warming* 6(1):24–29.
- 3 **Lee, Craig M.**, James B. Benedict, and Jennie B. Lee  
2006 Ice-Patches and Remnant Glaciers: Paleontological Discoveries and Archeological Possibilities in the Colorado High Country. *Southwestern Lore* 72(1):26–43.

- 2 Dixon, E. James, William F. Manley, and **Craig M. Lee**  
 2005 The Emerging Archeology of Glaciers and Ice Patches: Examples from Alaska’s Wrangell-St. Elias National Park and Preserve. *American Antiquity* 70(1):129–143.
- 1 Taberev, Andrei V., Alexander A. Kru’panko, Laura B. Niven, and **Craig M. Lee**  
 1999 The Final Paleolithic Sites of Suvoro III and Suvoro IV in the Maritime Region. *Current Research in the Pleistocene* 16:73–75.

**PROMINENT MEDIA COVERAGE (selected list)**

- Lidz, Franz  
 2021 As Earth Warms, Old Mayhem and Secrets Emerge From the Ice. *The New York Times*. 2 November. <https://www.nytimes.com/2021/11/02/science/climate-change-archaeology.html>.
- Powers, Michael  
 2020 Secrets of the ice: unlocking a melting time capsule. *The Guardian*. 1 November. <https://www.theguardian.com/science/2020/nov/01/secrets-of-the-ice-unlocking-a-melting-time-capsule-archaeology-glaciers>.
- Mukherjee, Ritoban  
 2019 Climate Change Is Bad for the Planet, but Groundbreaking for Archaeology. *Quartz*. 30 August. <https://qz.com/1697545/climate-change-is-giving-life-to-the-study-of-glacial-archaeology/>.
- Chow, Denise  
 2019 Drought Exposes Long-Submerged “Spanish Stonehenge” monument. *NBC Universal*. 20 September. <https://www.nbcnews.com/mach/science/droughtexposes-long-submerged-spanish-stonehenge-monument-ncna1059691>.
- Schmidt, Carol  
 2016 A Race Against Time: CLS Alumni Win Prestigious Prize for Ice Patch Archaeology. *Montana State University’s Confluence 2016-2017*. 13:2-3 (cover story)
- Denmark, Bonnie  
 2016 Profiles in Science “Craig Lee: Ice Patch Archaeologist” *Visionlearning SCIRE-3(2)*  
<http://www.visionlearning.com/en/library/Inside-Science/58/Craig-Lee/256>
- Stewart, Tamara  
 2015 Archaeology in the Ice Patches. *American Archaeology* 19(4):12-18 (cover story)  
<https://www.archaeologicalconservancy.org/archaeology-in-the-ice-patches/>
- Dance, Amber  
 2015 Inner Workings: Climate Change Frees Ancient Artifacts. *Proceedings of the National Academy of Sciences (PNAS)* 112(46):14113-14114 <https://doi.org/10.1073/pnas.1518967112>
- Imbler, Sabrina  
 2015 Melting Mummies Are on Thin Ice, Thanks to Climate Change *Scientific American*, 28 July  
<https://www.scientificamerican.com/article/melting-mummies-are-on-thin-ice-thanks-to-climate-change/>
- Fessenden, Marissa  
 2015 Melting Ice in Yellowstone is Revealing Ancient Artifacts Faster Than Researchers Can Handle. *Smithsonian* 3 September. <https://www.smithsonianmag.com/smart-news/melting-ice-yellowstone-revealing-ancient-artifacts-180956488/>
- Spinney, Laura  
 2014 Defrosting History: Lost Lives Thaw From Glaciers. *New Scientist*, 8 January.  
<https://www.newscientist.com/article/mg22129510-800-defrosting-history-lost-lives-thaw-from-glaciers/#ixzz7GGWPI5sH>
- Voosen, Paul  
 2013 Under Melting Ice, Climate Change Reveals a New Kind of Archaeology. *Chronicle of Higher Education*, 1 December <http://shar.es/DLWs4>
- Schenkman, Lauren  
 2010 Out of the Ice. *Science* 329(5988):125, 9 July <https://www.science.org/doi/10.1126/science.329.5988.125-a>

## REFEREED (PEER-REVIEWED) PUBLICATIONS – BOOK CHAPTERS

- 5     **Ли, Крейг М. (Lee, Craig M.)** и Кэтрин Пьюсман  
2020 Охота на снежниках Большого устона, Скалистые горы, США: деревянные дровки, каменные наконечники и толстороги (*ovis canadensi*). В *Археология Арктики Выпуск VII*. Научные редакторы: В.В. Питулько и Н.В. Федорова., pp. 147–184. Золотой тираж, Омскбланкиздат, Россия. (This is a translation of Lee and Puseman 2017)
- 4     Banks, Kimball, **Craig M. Lee**, and Damita Engel  
2016 Where the Buffalo Roam: The National Historic Preservation Act and the Northern Plains. In *The National Historic Preservation Act: Evaluating the Past, Present, and Future*, edited by Kimball Banks and Ann Scott, pp. 163–180. Routledge (Taylor and Francis Group), New York.
- 3     Dixon, E. James, Timothy H. Heaton, **Craig M. Lee**, Terence E. Fifield, Joan Brenner Coltrain, Brian M. Kemp, Douglas W. Owsley, Eric Parrish, Christy Turner, Heather J. H. Edgar, Rosita Kaaháni Worl, David Glenn Smith, and G. Lang Farmer  
2014 Evidence of Maritime Adaptation and Coastal Migration from Southeast Alaska. In *Kennewick Man: The Scientific Investigation of an Ancient American Skeleton*, edited by Douglas W. Owsley and Richard L. Jantz, pp. 537–548. Texas A&M University Press, College Station.
- 2     **Lee, Craig M.**  
2011 Ice Patch Archaeology in Yellowstone’s Northern Ranges. In *Yellowstone Archaeology: A Synthesis of Archaeological Papers on the Prehistory and History of Yellowstone National Park: Volume 1, Northern Yellowstone*, edited by Douglas MacDonald and Elaine Hale, pp. 132–143. University of Montana, Missoula.
- 1     **Lee, Craig M.**  
2007 Microblade Technology in Beringia. In *The Human Ecology of Beringia*, by John Hoffecker and Scott Elias, pp. 122–125. Columbia University Press, New York.

## NON-REFEREED PUBLICATIONS (e.g., reviews, proceedings, popular press)

- 27     Wolf, Judy, and **Craig M. Lee**  
2018 Public poster and quadfold brochure: *Frozen in Time*, Wyoming Archaeology Awareness Month, September 2018, State Historic Preservation Office, Laramie, Wyoming. 5000 copies.
- 26     **Lee, Craig M.**  
2018 Archaeology’s Search for History Hidden in Ice. *Sapiens* (digital magazine). 10 May. <https://www.sapiens.org/archaeology/ice-patch-archaeology/>.
- 25     **Lee, Craig M.**, Robert L. Kelly, Rachel Reckin, and Pei-Lin Yu  
2016 Deep Freeze: Ice Patch Archaeology in Glacier National Park. *Crown of the Continent and Greater Yellowstone Magazine* 15. <https://goo.gl/YLJ4m1>.
- 24     **Lee, Craig M.**, and Jennie B. Lee  
2016 Microcore Technology in Northwestern Wyoming. Office of Wyoming State Archaeologist, Archaeology Awareness Month – Daily Projects (<https://goo.gl/oRvfbK>).
- 23     **Lee, Craig M.**  
2015 Beef and Barley on the Camp Creek Branch of the Northern Pacific. *Gallatin Museum Quarterly* 38(4):12–15.
- 22     **Lee, Craig M.**, Michael P. Neeley, Mark D. Mitchell, and Marcel Kornfeld  
2015 Microcores in Idaho? *Idaho Professional Archaeological Council (IPAC) News* 8(2):10–11.
- 21     **Lee, Craig M.**, and Halcyon LaPoint  
2015 Ice Patch Archaeology in the Greater Yellowstone. *Yellowstone Science* 23(1):72–73.
- 20     Yu, Pei-Lin, **Craig M. Lee**, Robert L. Kelly, Ira Matt, Francis Auld, Kevin Askan, John Murray, Maria Nieves Zedeño, Frank Tyro, David Rockwell, Lon Johnson, Deirdre Shaw, and Mike Durglo, Sr.  
2014 Ice Patch Archeology and Paleoecology in Glacier National Park. National Park Service Archeology Program website: <http://www.nps.gov/archeology/sites/npSites/glacierIcePatch.htm>.
- 19     **Lee, Craig M.**  
2014 Review of *Iñupiaq Ethnohistory: Selected Essays by Ernest S. Burch, Jr.*, edited by Erica Hill. *Arctic, Antarctic, and Alpine Research* 46(4):1012–1013.

- 18 Mitchell, Mark D., and **Craig M. Lee**  
2014 [2013] Chapter 7: Modified Stone Analysis. In *Archaeological, Geoarchaeological, and Geophysical Investigations During 2008 at Chief Looking's Village, Burleigh County, North Dakota*, edited by Mark D. Mitchell, pp. 97–122. PaleoCultural Research Group Research Contribution No. 85, Broomfield, Colorado.
- 17 **Lee, Craig M.**, Halcyon LaPoint, David McWethy, Gregory T. Pederson, and Cathy Whitlock  
2014 Ice Patch Archaeology at the Crossroads of Culture and Climate Change in the Rocky Mountains. In *Program and Abstracts, Crossing Boundaries: Science, Management & Conservation in the Greater Yellowstone*, pp. 80–82. Yellowstone National Park, WY: 12th Biennial Scientific Conference on the Greater Yellowstone Ecosystem.
- 16 **Lee, Craig M.**  
2014 Review of *Across Atlantic Ice: The Origin of American Clovis Culture*, by Dennis J. Stanford and Bruce A. Bradley. *PaleoAnthropology* 248:470–471.  
(<http://www.paleoanthro.org/static/journal/content/PA20140470.pdf>).
- 15 Kelly, Virginia, and **Craig M. Lee** (no byline)  
2014 Ancient Artifacts from Melting Ice Patches. *Greater Yellowstone Coordinating Committee News*, Summer 2014:1.
- 14 Forney, Meghan, and **Craig M. Lee** (no byline)  
2013 Montana State University's Department Highlights, Sociology and Anthropology (Norton Point Internship) *Confluence 2013–2014: The Annual Magazine of the College of Letters & Science* 10:34 (and cover).
- 13 **Lee, Craig M.**, Michael Bawaya, and Nathan Boyleless (no byline)  
2013 Lamb Spring Preserve Celebrates New Interpretive Display. *American Archaeology* 16(4):51.
- 12 **Lee, Craig M.**, Halcyon LaPoint, Michael Bergstrom, Molly Westby, and Walt Allen  
2011 Direct Impacts of Changing Climate on Frozen Archaeological and Paleobiological Resources in the Greater Yellowstone Ecosystem. In *Questioning Greater Yellowstone's Future: Climate, Land Use, and Invasive Species. Proceedings of the 10th Biennial Scientific Conference on the Greater Yellowstone Ecosystem*, October 11–13, 2010, Mammoth Hot Springs Hotel, Yellowstone National Park, edited by Chamois Andersen, pp. 123–129. Yellowstone Center for Resources, Yellowstone National Park, Wyoming and University of Wyoming, William D. Ruckelshaus Institute of Environment and Natural Resources, Laramie, Wyoming.
- 11 Seifert, Dan, Edward Chatelain, **Craig M. Lee**, Zach Seligman, Don Evans, Hans Fisk, and Paul Maus  
2011 Monitoring Alpine Climate Change in the Beartooth Mountains of the Custer National Forest. In *Questioning Greater Yellowstone's Future: Climate, Land Use, and Invasive Species. Proceedings of the 10th Biennial Scientific Conference on the Greater Yellowstone Ecosystem*, October 11–13, 2010, Mammoth Hot Springs Hotel, Yellowstone National Park, edited by Chamois Andersen, pp. 161–167. Yellowstone Center for Resources, Yellowstone National Park, Wyoming and University of Wyoming, William D. Ruckelshaus Institute of Environment and Natural Resources, Laramie, Wyoming.
- 10 **Lee, Craig M.**  
2011 Review of *Climate Change and Arctic Sustainable Development: Scientific, Social, Cultural and Educational Challenges*, edited by UNESCO. *Arctic, Antarctic, and Alpine Research* 43(1):161.
- 9 Parrish, Eric G., Helen Kermeddjiev, and **Craig M. Lee**  
2010 Public poster and brochure: *Ice Patch Archaeology*. Montana Archaeology Month, April 2010. State Historic Preservation Office, Montana Historical Society, Helena. 2000 copies.
- 8 Tyrrell, Lucy, **Craig M. Lee**, and Jeremy Karchut  
2010 Fact Sheet: Ice Patch Archeology, Denali National Park and Preserve, U.S. National Park Service, U.S. Department of the Interior.
- 7 **Lee, Craig M.**  
2010 Snake River Plain Obsidian in Northwest Colorado and Southwest Wyoming Archaeological Sites. *The Newsletter of the Idaho Professional Archaeological Council* 3(1):7–8.
- 6 **Lee, Craig M.**

- 2009 Review of *Origin and Spread of Microblade Technology in Northern Asia and North America*, edited by Yaroslav V. Kuzmin, Susan G. Keates, and Chen Shen. *Canadian Journal of Archaeology* 33:309–312.
- 5 **Lee, Craig M.**, Dan Seifert, Edward Chatelain, Zach Seligman, Don Evans, Hans Fisk, and Paul Maus  
2009 Prioritizing Perennial Snow and Ice Fields with Archeological Research Potential in the Beartooth Mountains, Montana. Occasional Papers of the Remote Sensing Applications Center, U.S. Department of Agriculture, Forest Service, Salt Lake City, Utah. Paper number: RSAC-0115-RPT2.
- 4 Seifert, Dan, Edward Chatelain, **Craig M. Lee**, Zach Seligman, Don Evans, Hans Fisk, and Paul Maus  
2009 Monitoring Alpine Climate Change in the Beartooth Mountains of the Custer National Forest. Occasional Papers of the Remote Sensing Applications Center, U.S. Department of Agriculture, Forest Service, Salt Lake City, Utah. Paper number: RSAC-0115-RPT1.
- 3 **Lee, Craig M.**  
2006 Review of *Northern Ethnographic Landscapes: Perspectives for Circumpolar Nations*, edited by Igor Krupnik, Rachel Mason, and Tonia Horton. *Canadian Journal of Archaeology* 30(1):121–123.
- 2 Dixon, E. James, William F. Manley, and **Craig M. Lee**  
2005 Beringia’s Frozen Past: Ancient Artifacts on Ice. In *Proceedings from the Beringian Heritage Days Conference, Anadyr, Chukotka, Russia, 2003*. Published in Anadyr, Chukotka, Russia.
- 1 **Lee, Craig M.**  
2004 Review of *Eskimo Architecture: Dwelling and Structure in the Early Historic Period* by Molly Lee and Gregory Reinhardt. *Arctic, Antarctic, and Alpine Research* 36(1):136.

#### VIDEO/FILM COLLABORATION AND PRODUCTION (selected list)

- 2021 *Ancient Yellowstone – Frozen Archaeology*, runtime: 13:32. Producer: Ben Goertzen, Visionhawk for Curiosity Stream Documentaries. Began streaming online 24 February. Paywall version: <https://curiositystream.com/video/3816> Rough-cut version (private): <https://vimeo.com/505875760/6ccc9d6e7c>
- 2018 *Ice Patch Archaeology*, runtime 8:58. Director: Benjamin Skudlark, Montana PBS; Executive Producer: **Craig M. Lee**. Premiered at 6<sup>th</sup> Annual Thunder Bay International Film Festival, January 24-28. Program ran hourly at Bozeman Yellowstone International Airport BZN for six months and now streams on a variety of online platforms including, *Vimeo* (<https://vimeo.com/252583882>), *Sapiens* (<https://www.sapiens.org/archaeology/ice-patch-archaeology/>) and *The Archaeology Channel* (<https://www.archaeologychannel.org/video-guide/strata-portraits-of-humanity/3109-strata-october-2021>). (10,000+ views through December 2021).
- 2014 *Alpine Archeology in the Land of the Blackfeet, Pend d'Oreille, Kootenai and Salish*, runtime 9:42. Director: Frank Tyro, KSKC-TV, Salish Kootenai College. Executive Producers: Confederated Salish and Kootenai Tribes, Blackfeet Nation, **Craig M. Lee** and Robert L. Kelly. <https://www.youtube.com/watch?v=w1Vgs9IMixY> (1,554 views through December 2021).
- 2010 *Naked Science: Surviving Ancient Alaska*, runtime 49:59. Director: Dana Ross, National Geographic Channel’s “Naked Science” Television Series. (TV Episode 2010). First aired 28 January. Trailer: <https://www.youtube.com/watch?v=yQ-beX6CqKI>

#### ARTISTIC COLLABORATIONS

- 2019 *Into the Cold*. Volume 2 “Change,” Section 03 “Ice Patch.” Sponsored by Allied Feather and Down. Writing and concept by Yellowstone Artist in Residence, Andrew Steiger, Photography by Ian Morrisson, and Scientific content by **Craig M. Lee**. Collaboration resulted in a bound, artistic catalog with an online presence: <https://intothecold.online/> and <https://intothecold.online/change/ice-patch/>
- 2017 *Shoshone Bighorn Kill Site, Beartooth Mountains*. Hand annotated Pigment Inkjet print on Washi paper, 30” x 38.” Ian van Coller, photographs, composition, printing; **Craig M. Lee**, annotation. Print exhibited at the 16<sup>th</sup> Photaumnales 2019: Terra Nostra exhibit in Paris, France, 28 Sept. 2019–5 Jan. 2020 (catalog pg.



16, [https://www.photaumnales.fr/images/2019/telechargement/DOSSIER\\_PEDA\\_WEB.pdf](https://www.photaumnales.fr/images/2019/telechargement/DOSSIER_PEDA_WEB.pdf)) and elsewhere, and was featured in van Coller's 2018 Guggenheim Memorial Foundation Fellowship portfolio.

## CONFERENCE AND SYMPOSIA ORGANIZATION

- 2021 Conference organizer (with E. James Dixon), The 5<sup>th</sup> International Frozen Pasts Glacial and Ice Patch Archaeology Conference (FP5), Pray, Montana, September 7–11, <https://instaar.colorado.edu/meetings/frozenpasts5/index.html>
- 2017 Symposium co-organizer (with Todd Kristensen), Ice Patch Archaeology in the Rocky Mountains, 13th Rocky Mountain Anthropological Conference, Canmore, Alberta, Canada, September 21–24.
- 2017 Conference co-organizer (with Lawrence C. Todd and Bonnie Smith), Recent Advances in High Elevation Archaeology (13 public lectures and 8 workshops), Cody, Wyoming, May 4–6.
- 2015 Event organizer, Greater Yellowstone Coordinating Committee (GYCC) Ice Patch Training Opportunity 3, Ennis, Montana, September 5–7.
- 2015 Event organizer Greater Yellowstone Coordinating Committee (GYCC) Ice Patch Training Opportunity 2, Billings and Red Lodge, Montana, August 31–September 4.
- 2015 Event co-organizer (with Matthew Stirn and Rebecca Sgouros) Greater Yellowstone Coordinating Committee (GYCC) Ice Patch Training Opportunity 1, CB5 “Du Noir Glacier,” Togwotee Pass Area, Wyoming, August 22–24.
- 2015 Conference organizer, 57th Annual Meeting of the Montana Archaeological Society, Chico Hot Springs, Pray, Montana, April 2–5.
- 2014 Program chair, Colorado Council of Professional Archaeologists, Glenwood, Colorado, March 20–23.
- 2010 Session chair, Frozen Pasts: 2nd International Glacial Archaeology Symposium, Department of Archaeology and Religious Studies, Norwegian University of Science and Technology, Trondheim, Norway, October 5–7.
- 2009 Event organizer, United States Forest Service Ice Patch Training Session, Billings, Montana, September 9–10.
- 2009 Conference co-organizer (with John F. Hoffecker), 17th Annual Arctic Archaeology Conference, INSTAAR – University of Colorado – Boulder, November 13–14 (<https://web.archive.org/web/20100612064721/http://instaar.colorado.edu/meetings/ArcticConference/index.html>).
- 2009 Event organizer, USFS Ice Patch Training Session, Billings and Red Lodge, Montana, September 9–10.
- 2002 Symposium co-organizer (with E. James Dixon), Interdisciplinary Research and Tribal Cooperation: Examples from 49-PET-408 (On-Your-Knees Cave) Alaska, 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado, March 20–24.
- 1999 Workshop organizer and moderator, Wyoming Archaeological Society's Fall Workshop, Current Research in Wyoming Archaeology (faculty and graduate student presentations with a keynote address by Dr. Dennis Stanford, Smithsonian), Laramie, Wyoming, September 4.

## INVITED PRESENTATIONS (e.g., keynote addresses, topical symposia, workshops)

- 79 **Lee, Craig M.**  
2019 Ice Patch Archaeology: Exploring the Greater Yellowstone's High-Elevation Human Past. Gallatin Valley Friends of the Sciences Science Inquiry Lecture, Museum of the Rockies, Bozeman, Montana, November 13.
- 78 **Lee, Craig M.,** and Elizabeth Horton  
2019 Fragile heritage from high-elevation ice: understanding and protecting the archaeoecology of ice patches in the Greater Yellowstone, USA. Session: Losing Legacy: Climate Change and Cultural Heritage, 20th Congress of the International Union for Quaternary Research (INQUA), Dublin, Ireland, July 25.
- 77 **Lee, Craig M.**  
2019 Discussant for Lightning Rounds – The National Historic Preservation Act Works! Examples of Section 106 Successes, 84th Annual Meeting of the Society for American Archaeology, Albuquerque, New Mexico, April 13.

- 76 **Lee, Craig M.**  
2019 Protecting the Archaeoecology of Ice Patches in Greater Yellowstone, Café Scientifique for Arapahoe Community College, Littleton, Colorado, March 12.
- 75 **Lee, Craig M.**  
2018 Cultural Resources Monitoring: Ice Patch Project (2.5-hour workshop), National Wilderness Workshop: Convening Wilderness Stakeholders. Also streamed live with virtual participation, Gunnison, Colorado, October 12.
- 74 **Lee, Craig M.,** Halcyon LaPoint, Shane Doyle, Lawrence C. Todd, Elizabeth Horton, and Ben Skudlarek  
2018 Cross-Cultural and Transdisciplinary Research Opportunities Through Greater Yellowstone Area Ice Patches with a Screening of the 2018 Short Film *Ice Patch Archaeology*, The 14th Biennial Scientific Conference on the Greater Yellowstone Ecosystem: Tracking the Human Footprint, Big Sky, Montana, September 12.
- 73 **Lee, Craig M.**  
2018 Frozen in Time: Exploring Ice Patch Archaeology in Glacier National Park, Montana Preservation Roadshow, Columbia Falls, Montana, June 15.
- 72 **Lee, Craig M.**  
2018 Ice Patch Archeology, Museum of the Rockies Lunchtime Lecture, March 29.
- 71 **Lee, Craig M.**  
2017 The Archaeology of Alpine Snow and Ice in the Mid-Latitude Mountains of the Greater Yellowstone and Beyond, Draper Natural History Museum Lunchtime Expedition talk, November 2.
- 70 **Lee, Craig M.**  
2017 Alpine Snow and Ice and Ancient Land-Use Patterns in the Rocky Mountains, Bureau of Land Management, Cody, Wyoming, November 2.
- 69 **Lee, Craig M.,** Michael P. Neeley, Mark Mitchell, and Marcel Kornfeld  
2017 Exploring Microcores and Microliths in Northwestern Plains Lithic Assemblages, Symposium: Knife River Flint Quarries: New Research in the Primary Source Area, 75th Annual Plains Anthropological Conference, Bismarck, North Dakota, October 5.
- 68 **Lee, Craig M.,** Pei-Lin Yu, Edward Jolie, Kathryn Puseman, Halcyon LaPoint, Josh Kapp, and Beth Shapiro  
2017 Expanding on the Points: Sociocultural Complexity in the Alpine as Revealed by Non-Hunting Artifacts from Melting Ice Patches in Greater Yellowstone Area (GYA), USA, Rocky Mountain Anthropological Conference, Ice Patch Archaeology in the Rocky Mountains session, Canmore, Alberta, September 23.
- 67 **Lee, Craig M.**  
2017 Ice Patch Archaeology in the Greater Yellowstone Ecosystem: The Archaeology of the Cryosphere in the Mid-Latitude Mountains, Calgary Centre, Alberta, September 20.
- 66 **Lee, Craig M.,** and James Strait  
2017 Ice Patch Archaeology and Unmanned Aerial Vehicles, Montana Tech's Mine Design and Closure Conference, Fairmont Hot Springs Resort, Anaconda, Montana, May 9.
- 65 **Lee, Craig M.,** and Robert L. Kelly  
2017 Workshop: High Elevation Research Perspectives, Recent Advances in High Elevation Archaeology Symposium, Cody, Wyoming, May 6.
- 64 **Lee, Craig M.**  
2017 Workshop: Ice Patch Methods, Recent Advances in High Elevation Archaeology Symposium, Cody, Wyoming, May 5.
- 63 **Lee, Craig M.,** and Halcyon LaPoint  
2017 Archaeology of the Cryosphere in the Mid-Latitude Mountains of the Greater Yellowstone, Recent Advances in High Elevation Archaeology Symposium, Cody, Wyoming, May 4.
- 62 **Lee, Craig M.**  
2017 Ice Patch Archaeology (aka Glacial Archaeology) at the Crossroads of Culture and Climate Change, Montana Archaeology Month lecture, Carroll College, Helena, Montana, April 11.
- 61 **Lee, Craig M.**

- 2016 Ice Patch Archaeology (aka Glacial Archaeology) at the Crossroads of Culture and Climate Change, Session: Five Fields Update (Society for Anthropology in Community Colleges), American Anthropological Association, Minneapolis, Minnesota, November 18.
- 60 **Lee, Craig M.,** Kathryn Puseman, Gregory T. Pederson, and Meghan J. Dudley  
2016 Organic Artifacts and Environmental Reconstruction – Reflections on 10 Years of Ice Patch Research in the Greater Yellowstone Area, Northern Rocky Mountains, USA, 4th Frozen Pasts Conference, Innsbruck, Austria, October 13.
- 59 **Lee, Craig M.**  
2016 The Beringian Standstill Hypothesis and Variation in Microblade/Microlith Hafts During the Late Pleistocene/Early Holocene in Northwest North America, Pal Mezo Seminar, Cambridge University, England, October 7.
- 58 **Lee, Craig M.**  
2016 Exploring the Yellowstone High Country, Natural History Institute’s summer program, hike and lecture on ice patch archaeology, June 25.
- 57 **Lee, Craig M.**  
2016 Ice Patch Archaeology at the Crossroads of Culture and Climate Change in the Greater Yellowstone Area, Northern Rocky Mountains, USA. Banquet address, Wyoming Professional Archaeological Association and Wyoming Archaeological Society Annual Meeting, Cheyenne, Wyoming, May 6.
- 56 **Lee, Craig M.**  
2016 Ice Patch Archaeology at the Crossroads of Culture and Climate Change in the Greater Yellowstone Area, Northern Rocky Mountains, USA, Museum of the Rockies, Bozeman, Montana. April 21.
- 55 **Lee, Craig M.,** and Crystal B. Alegria  
2016 The National Historic Preservation Act in Big Sky Country, Special Session: 58th Annual Meeting of the Montana Archaeological Society, Great Falls, Montana, April 16
- 54 **Lee, Craig M.,** Pei-Lin Yu, Robert L. Kelly, Ira Matt, and John Murray  
2016 Symposium: Heritage Tools for Tackling Climate Change, 81st Society for American Archaeology, Orlando, Florida, April 8.
- 53 **Lee, Craig M.**  
2016 Discussant, National Science Foundation-funded workshop on the Beringian Standstill Hypotheses, University of Colorado, INSTAAR (John Hoffecker, Dennis O’Rourke, and Scott Elias, organizers), February 26 –28.
- 52 **Lee, Craig M.,** Robert L. Kelly, Kathryn Puseman, Rachel Reckin, Ira Matt, and Pei-Lin Yu  
2015 Ice Cores from Ice Patches: A Novel Paleoclimate Proxy for the Rocky Mountain Region, Session: High Elevation Archaeology in the Rocky Mountains, Rocky Mountain Anthropological Conference, April 8.
- 51 **Lee, Craig M.,** and Kathryn Puseman  
2015 Out of Ice: A Review of Greater Yellowstone Area Ice Patch Hunting Technology, Session: Solving Archaeological Research Problems in Rocky Mountain and Plains Prehistory, Society for American Archaeology, San Francisco, California, April 18.
- 50 **Lee, Craig M.**  
2014 Out of Ice: An Archaeology of Climate Change in North America and Beyond, National Park Service’s nationally streamed webinar series *Archaeology in America’s National Parks*, November 13.
- 49 **Lee, Craig M.**  
2014 Panelist, 12th Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Mammoth, Wyoming, October 8.
- 48 **Lee, Craig M.**  
2014 Greater Yellowstone Area (GYA) Ice Patch Archeology Inventory Report plus Phases 2/3 Planning, Greater Yellowstone Coordinating Committee (GYCC) Climate Change Adaptation Subcommittee Meeting, West Yellowstone, Montana, April 30.
- 47 **Lee, Craig M.**

- 2014 Rocky Mountain Ice Patches as a Rich Source of Archaeological and Paleoenvironmental Data, Session: Giving Latitude to Altitude (and Vice-Versa): The Archaeoecology of Human Settlement in Extreme Environmental Settings High Altitude and High Latitudes, 79th Annual Meeting of the Society for American Archaeology, Austin, Texas, April 24.
- 46 **Lee, Craig M.**  
2014 Archaeology at the Crossroads of Culture and Climate Change: Ice Patches as a Rich Source of Archaeological and Paleoenvironmental Data, Boise State University Department of Anthropology, Boise, Idaho, February 21.
- 45 **Lee, Craig M.**  
2014 Ice Patch Archaeology in the Rocky Mountains: A Silver Lining to 21st-Century Climate Change, Department of Earth Sciences Seminar Series, Montana State University, Bozeman, Montana, February 13.
- 44 **Lee, Craig M.**  
2013 Ice Patch Archaeology in the Rocky Mountains: A Silver Lining to 21st-Century Climate Change, EcoLunch, Northern Rocky Mountain Science Center (NOROCK), United States Geologic Survey (USGS), Bozeman, Montana, December 3.
- 43 **Lee, Craig M.**  
2013 Insights from the Alpine, Session: Rocky Mountain Paleoindian Archaeology, 1993–2013: What We Know Now That We Didn't Know Then, 11th Biennial Rocky Mountain Anthropological Conference, September 27.
- 42 **Lee, Craig M.**  
2013 Out of Thin Ice: The Unparalleled Archaeological and Paleobiological Record Melting Out of National Parks and Forests, Session: The Many Sides of Cultural Resources in Relation to Climate Change, The 2013 George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, Denver, Colorado, March 13.
- 41 **Lee, Craig M.**  
2012 Out of Thin Ice: An Unparalleled Archaeological and Paleobiological Record from Our Nation's Parks and Forests, National Park Service's Climate Change Response Program nationally streamed webinar series *Climate Change in America's National Parks*, November 8.
- 40 **Lee, Craig M., and Ira Matt**  
2012 Ice Patch Archaeology and Paleoenvironmental Research in Glacier National Park and Vicinity, Ninth Annual Waterton-Glacier Science and History Day, Falls Theatre, Waterton Lakes National Park, Alberta, Canada, July 26.
- 39 **Lee, Craig M., Frank Tyro (co-presenter), Robert L. Kelly, Kevin Askin, María Nieves Zedeño, Pei-Lin Yu, and Lon Johnson**  
2012 Mid-Latitude Ice Patch Research in North America: Progress in Glacier National Park and the Rocky Mountain West, including a screening of ice patch project video: *Alpine Archeology in the Land of the Blackfeet, Pend d'Oreille, Kootenai, and Salish*, Frozen Pasts: 3rd International Glacial Archaeology Conference, Whitehorse, Yukon, Canada, June 5.
- 38 **Lee, Craig M.**  
2012 From Yukon to Yellowstone: Archaeology on Ice in the Rocky Mountains, public talk given in support of the Extreme History project, Museum of the Rockies, Bozeman, Montana, May 17.
- 37 **Lee, Craig M., and Kevin Askin**  
2012 Glacier Cultural Resource Management Group, project overview and results to date for Kootenai Culture Committee, Elmo, Montana, May 9.
- 36 **Lee, Craig M., and Robert L. Kelly (co-presenter)**  
2012 Glacier Cultural Resource Management Group, Alpine Snow and Ice as a Source of Archaeological and Paleoecological Data in the Rocky Mountains, including premier of ice patch project video, *Alpine Archeology in the Land of the Blackfeet, Pend d'Oreille, Kootenai, and Salish* (<http://youtu.be/ifmdf2RHsK8>), public talk, University of Montana and Missoula community, Missoula, Montana, May 8.
- 35 **Lee, Craig M., and Pei-Lin Yu**

- 2012 Glacier Cultural Resource Management Group, Project Overview and Results to Date for Salish Culture Committee, St. Ignatius, Montana, May 2.
- 34 **Lee, Craig M.**  
2012 Obsidian as an Indicator of Social Networks prior to ca. 7,000 BP on the Northern Northwest Coast of North America, Session: Inlands to Islands: The Role of Social Networks and the Development of Maritime Adaptations, 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee, April 21.
- 33 **Lee, Craig M.**  
2012 From Yukon to Yellowstone: Archaeology on Ice in the Rocky Mountain, public talk in honor of Montana Archaeology Month, Western Heritage Museum, Billings, Montana, April 12.
- 32 Andrew Wickert (presenter), **Craig M. Lee**, Albert Kettner, Robert Anderson, and Jerry Mitrovica  
2011 Dynamic Drainage Networks and Discharge Histories in North America over the Last Glacial Cycle: Implications for Geomorphic Change and Early Human Settlement Patterns, Session: The Evolution of River Systems Since the Last Glacial Maximum and Their Interactions with Human Societies, American Geophysical Union Meetings, December 11. \*Outstanding Student Paper Award, Earth and Planetary Surface Processes Focus Group.
- 31 Rachel Reckin (presenter), **Craig M. Lee**, Ira Matt, Robert L. Kelly, Marcia Pablo, and Pei-Lin Yu  
2011 Alpine Snow and Ice as a Source of Archaeological and Paleocological Data in Glacier National Park, Session: Federal Lands Heritage and Cultural Resources Research in the Rocky Mountains: A Showcase of Cooperative Ecosystem Studies Unit (CESU) System Projects, 10th Biennial Rocky Mountain Anthropological Conference, Missoula, Montana, October 7.
- 30 **Lee, Craig M.**, and James B. Benedict  
2011 Pursuing Archaeology on Ice in the Conterminous United States, Session: Footprints in the Snow: Papers in Honor of Dr. James B. Benedict, 10th Biennial Rocky Mountain Anthropological Conference, Missoula, Montana, October 7.
- 29 **Lee, Craig M.**  
2011 Keynote Address: From Yellowstone to Yukon: Archaeology on Ice in the Rocky Mountains, Archaeology with Altitude Gala (fundraiser) for the Dubois Museum and George C. Frison Institute, Dubois, Wyoming, August 6.
- 28 **Lee, Craig M.**, and Robert L. Kelly  
2011 Alpine Snow and Ice as a Source of Archaeological and Paleocological Data in the Rocky Mountains, Salish Kootenai College, Johnny Arlee/Victor Charlo Theater, Polson, Montana, June 6.
- 27 **Lee, Craig M.**  
2010 Panelist, Crown of the Continent Climate Change Scenario Planning (C4-SP). Whitefish, Montana, February 1.
- 26 **Lee, Craig M.**  
2011 An Update on Ice Patch Archaeology in the Mid-Latitude Rocky Mountains Including a Summary of Recent Research in the Colorado Front Range, presented for the Indian Peaks Chapter of the Colorado Archaeological Society, Boulder, Colorado, May 12.
- 25 **Lee, Craig M.**, and James B. Benedict  
2011 Ice Bison, Frozen Forests, and the Search for Archaeology in Colorado Front Range Ice Patches, Session: James B. Benedict and the Southern Rocky Mountains: A Lifetime of Research, A Labor of Love, 33rd Annual Meeting of the Colorado Council of Professional Archaeologists, La Junta, Colorado, March 26.
- 24 **Lee, Craig M.**, Robert L. Kelly, Ira Matt, Rachel Reckin, and Marcia Pablo  
2011 Alpine Snow and Ice as a Source of Archaeological and Paleocological Data in the Rocky Mountains, Session: Crown of the West: Mountain Archaeology from the Sierra Nevada to the Rocky Mountains, 76th Annual Meeting of the Society for American Archaeology, Sacramento, California, April 1.
- 23 **Lee, Craig M.**

- 2011 Withering Snow and Ice in Your Backyard: A 10,000-Year-Old Archaeological Record Under Threat by Global Warming in the Mid-Latitude Rocky Mountains, Invited lecture for the Denver Society of the Archaeological Institute of America, Denver, Colorado, March 27.
- 22 **Lee, Craig M.**  
2011 Direct Impacts of Changing Climate on Frozen Archaeological and Paleobiological Resources in the Rocky Mountains, U.S. Department of Agriculture Forest Service's Rocky Mountain Region Heritage Meeting, Denver, Colorado, February 1.
- 21 **Lee, Craig M.**  
2010 Climate Change and the New Archeological Frontier in the Rocky Mountain Region, invited lecture, Undergraduate Honors Program: Texts and Critics, Montana State University, Bozeman, Montana, November 22.
- 20 **Lee, Craig M.**  
2010 Ten Millennia of Ice Patch Hunting in the Mid-Latitude Rocky Mountains of North America. Frozen Pasts: 2nd International Glacial Archaeology Symposium, Department of Archaeology and Religious Studies, Norwegian University of Science and Technology, Trondheim, Norway, October 6.
- 19 **Lee, Craig M.**  
2010 From Denali to Yellowstone: A Unique Archaeological Record Under Threat by Global Warming in Western North America, presented to members of the Kenaitze Tribe, Kenai, Alaska, August 13.
- 18 **Lee, Craig M., and Richard Vanderhoek**  
2010 From Denali to Yellowstone: An Overview of Ongoing Ice Patch Investigations in Western North America, presented to resource managers on the Chugach National Forest, Anchorage, Alaska, August 12.
- 17 **Lee, Craig M.**  
2010 Ice Patch Archaeology: An Overview, Cooperative Ecosystem Studies Unit (CESU) Network National Meeting, Howard University, Washington, DC, June 23.
- 16 **Lee, Craig M.**  
2010 Lamb Spring Archaeological Preserve: Unique Educational Opportunities for K-12 Douglas County Students, presented to the Douglas County School Board, Castle Rock, Colorado, June 15.
- 15 **Lee, Craig M.**  
2010 Lamb Spring Archaeological Preserve: Recent Successes and Future Prospects, presented to the Douglas County Board of Commissioners, Castle Rock, Colorado, May 18.
- 14 **Lee, Craig M.**  
2010 Ice Patch Archaeology in the Mid-Latitude Rocky Mountains: Five Years of Tough Prospects and Amazing Discoveries, INSTAAR noon seminar, University of Colorado, Boulder, Colorado, March 1.
- 13 **Lee, Craig M.**  
2010 Ice Patch Archaeology in the Mid-Latitude Rocky Mountains: A Five-Year Retrospective on Discoveries and Prospects, Northern Colorado Chapter, Colorado Archaeological Society, Fort Collins, Colorado, January 20.
- 12 **Lee, Craig M.**  
2009 Temporal and Spatial Trends in the Use of Obsidian in Northwest Colorado and Vicinity, Symposium: Current Research in Northwestern Colorado, 9th Biennial Rocky Mountain Anthropological Conference, Gunnison, Colorado, October 9.
- 11 **Lee, Craig M.**  
2009 Breaking the Ice in Denali National Park: Preliminary Archaeological/Paleobiological Reconnaissance, Murie Science and Learning Center, Denali National Park, Alaska, August 14.
- 10 **Lee, Craig M.**  
2008 Ice Patch Archeology in the Mid-Latitude Rocky Mountains, Symposium: Rick Rieder's Contributions to High Plains and Rocky Mountain Archaeological/Paleoenvironmental Research, 66th Annual Plains Anthropological Conference, Laramie, Wyoming, October 2.
- 9 **Lee, Craig M.**

- 2008 Panel on Global Warming, Climate Change, and Cultural Resources, Intermountain Region Resource Stewardship Conference, Tucson, Arizona, May 20.
- 8 **Lee, Craig M.**  
2008 Ice on the Edge: Global Warming and a New Archeological/Paleontological Research Frontier, Keynote Address, 50th Anniversary Meeting of the Montana Archaeological Society, Billings, Montana, April 19.
- 7 **Lee, Craig M.**  
2008 Climate Change and Archeological/Paleontological Projects at CU Boulder. National Park Service, Rocky Mountain Cluster Resources Meeting, Lakewood, Colorado, February 21.
- 6 **Lee, Craig M.**  
2007 Archaeology of Perennial Snow and Ice Patches in the Greater Yellowstone Region, Cody Institute for Western American Studies (CIWAS), Buffalo Bill Historical Center, Visiting Researcher Series, Cody, Wyoming, October 15.
- 5 **Lee, Craig M.**  
2006 Melt Out Archaeology: Bison Skulls, Glaciers, and Projectiles, Rocky Mountain National Park's Science Behind the Scenery Series, Estes Park, Colorado, June 16.
- 4 **Lee, Craig M.**  
2006 The Archaeology and Paleontology of Glaciers and Snowfields: A Unique Look at Colorado Prehistory, Colorado Mountain Club, Golden, Colorado, May 13.
- 3 **Lee, Craig M.**  
2006 Ice Patch Archaeology: The Global Phenomena and the Need for Focused Surveys in the Rocky Mountain West, INSTAAR Graduate Student Seminar Series, University of Colorado, Boulder, Colorado, October 15.
- 2 **Lee, Craig M.**  
2004 Ice Patch Archaeology in Colorado? A Review of Paleontological Discoveries and Archaeological Possibilities, INSTAAR Graduate Student Seminar Series, University of Colorado, Boulder, Colorado, November 14.
- 1 **Lee, Craig M., and Laura Niven (co-presenters)**  
1999 Archaeological Field Research in the Russian Far East, Cultural Awareness Month, University of Wyoming, Laramie, Wyoming, April 1.

**CONTRIBUTED PRESENTATIONS (e.g., papers and posters presented in general conference sessions)**

- 62 **Lee, Craig M.,** Michael Neeley, Aaron Brein, Beth Horton, David McWethy, and Gregory Pederson  
2021 Poster: Drivelines, effigies, and intercept hunting strategies in the Greater Yellowstone. 78<sup>th</sup> Annual Plains Anthropological Conference, Boulder, Colorado, November 12.
- 61 Stahle, Daniel, Greg Pederson, Dave McWethy, **Craig M. Lee,** Nathan Chellman and Joseph McConnell  
2021 Poster: A forest entombed in ice: a unique record of mid-Holocene climate and ecosystem change. 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 10.
- 60 Alt, Mio, Kathryn Puseman, **Craig M. Lee,** Gregory Pederson, Nathan Chellman, and David McWethy  
2021 Poster: Pollen and macrofossil evidence for high-elevation tree line fluctuation throughout the Holocene, Beartooth plateau, Wyoming. 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 10.
- 59 Flesch, Elizabeth, **Craig M. Lee,** Beth Shapiro, Jennifer Thomson, and Robert Garrott  
2021 Comparing ancient and contemporary bighorn sheep populations using bones recovered from ice patches in the Greater Yellowstone Area. 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 10.
- 58 Jolie, Edward A., **Craig M Lee,** Pei-Lin Yu, Kathryn Puseman, and Halcyon LaPoint  
2021 Women's work at elevation: A 1,300-year-old coiled basket from the Greater Yellowstone Area. 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 10.
- 57 **Lee, Craig M.,** and Kathryn Puseman (presenter)

- 2021 Out of ice: a review of Greater Yellowstone Area ice patch hunting technology. 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 10.
- 56 Horton, Elizabeth, **Craig M. Lee**, and Scott Dersam
- 2021 Sealed in Time: Targeted Test Excavations in a Holocene Lithic Scatter Adjacent to an Ice Patch in Southeastern Yellowstone National Park. 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 9.
- 55 **Lee, Craig M.**, Michael Neeley, Aaron Brein, Beth Horton, David McWethy, and Gregory Pederson
- 2021 Drivelines, effigies, and intercept hunting strategies in the Greater Yellowstone 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 9.
- 54 Chellman, Nathan, Joseph R McConnell, Gregory T Pederson, **Craig M Lee**, David B McWethy, Madeline Beck, and Sandra Brugger.
- 2021 Holocene paleoclimate and ground penetrating radar studies of two ice patches on the Beartooth Plateau. 5th International Frozen Pasts Glacial & Ice Patch Archaeology Conference. Chico Hot Springs, Montana, August 9.
- 53 **Lee, Craig M.**, and Elizabeth Horton
- 2019 Ice Patches, Aerial Photography, and a Triennium of Challenging Conditions in the Greater Yellowstone. Rocky Mountain Anthropological Conference, Logan, Utah, October 4.
- 52 McWethy, David, Nathan Chellman, Joseph McConnell, Gregory T. Pederson, **Craig M. Lee**, Daniel Stahle, Kathryn Puseman, Jeffery Stone, Sabrina Brown, and Mio Alt
- 2019 Poster: New Paleoclimate Proxies from Permanent Alpine Ice Patches Document Rapid Holocene Climate Variability Paralleling Human Activity, Beartooth Mountains, Wyoming, USA, 20th Congress of the International Union for Quaternary Research (INQUA), Dublin, Ireland, July 27.
- 51 Dudley, Meghan J., **Craig M. Lee**, Tom Origer, and Todd Kristensen
- 2018 Non-Volcanic Natural Glass Hydration Dating, 76th Plains Anthropological Conference, San Antonio, Texas, October 26.
- 50 Chellman, Nathan, **Craig M. Lee**, Gregory T. Pederson, Joseph McConnell, and David McWethy
- 2018 Permanent Ice Patch Records of Holocene Climate in the Beartooth Mountains, Session: Causes and Consequences of Temperature and Hydroclimate Variability During the Common Era, MtnClim 2018 (8th Mountain Climate Conference), Gothic, Colorado, September 18.
- 49 McWethy, David, **Craig M. Lee**, Gregory T. Pederson, Joseph McConnell, Lawrence C. Todd, Shane Doyle, Nathan Chellman, and Danny Stable
- 2018 [poster] Reconstructing Ancient Human and Ecosystem Responses to Holocene Climate Conditions in the Northern Rocky Mountains, MtnClim 2018 (8th Mountain Climate Conference), Gothic, Colorado, September 18.
- 48 **Lee, Craig M.**, Halcyon LaPoint, Shane Doyle, Lawrence Todd, Beth Horton, Ben Skudlarek
- 2018 Cross-Cultural and Transdisciplinary Research Opportunities through Greater Yellowstone Area Ice Patches with a screening of the short film *Ice Patch Archaeology*. Tracking the Human Footprint, 14th Biennial Scientific Conference On The Greater Yellowstone Ecosystem, Big Sky, Montana, September 12.
- 47 **Lee, Craig M.**
- 2018 The Making of the *Ice Patch Archaeology* film, Montana Archaeological Society Annual Meeting, Billings, Montana, April 27.
- 46 Neeley, Michael P. and **Craig M. Lee** (co-presenters)
- 2018 Assessing Cortex at the Beaucoup Site (24PH188/189) in Northern Montana, 83rd Annual Meeting of the Society for American Archaeology, Washington, DC, April 13.
- 45 **Lee, Craig M.**, Pei-Lin Yu, Edward Jolie, Kathryn Puseman, and Halcyon LaPoint
- 2018 Beyond the Points: Sociocultural Complexity Revealed by Non-Hunting Artifacts from Melting Ice Patches in the High Alpine, Greater Yellowstone Area, USA, 83rd Annual Meeting of the Society for American Archaeology, Washington, DC, April 12.
- 44 **Lee, Craig M.**, and Michael P. Neeley



- 2017 Exploring Microcores and Microliths in Northwestern Plains Lithic Assemblages, 59th Annual Meeting of the Montana Archaeological Society, Missoula, Montana, April 8.
- 43 **Lee, Craig M.**, Halcyon LaPoint, David McWethy, Gregory T. Pederson, and Cathy Whitlock  
2014 Ice Patch Archaeology at the Crossroads of Culture and Climate Change in the Rocky Mountains, Panel 2: Managing Natural and Cultural Resources Under a Changing Climate – Moving Forward in an Uncertain Future, 12th Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Mammoth, Wyoming, October 8.
- 42 **Lee, Craig M.**, Gregory T. Pederson, Jeff DiBenedetto, Halcyon LaPoint, and Michael Bergstrom  
2014 Ice Patches and Relict Wood: A Paleoclimate Proxy for the Rocky Mountain West, Holocene Climate of Western North America, Rocky Mountain (66th Annual) and Cordilleran (110th Annual) joint meeting, May 19.
- 41 Forney, Meghan, and **Craig M. Lee**  
2014 Poster: Assembling Paleobiological Materials from Ice Patches in the Greater Yellowstone Area (GYA), 56th Annual Conference of the Montana Archaeological Society, Hamilton, Montana, April 11–13.
- 40 **Lee, Craig M.**  
2014 50 Years of Ice Patch Archaeology in the Greater Yellowstone Area, 56th Annual Conference of the Montana Archaeological Society, Hamilton, Montana, April 12.
- 39 **Lee, Craig M.**  
2014 Ice Patch Archaeology, Colorado Council of Professional Archaeologists, Glenwood Springs, Colorado, March 21.
- 38 **Lee, Craig M.**, and William McConnell  
2013 Poster: Replication and Use of a 10,400-Year-Old Cody-Age Foreshaft from a Rocky Mountain Ice Patch, PaleoAmerican Odyssey, Santa Fe, New Mexico, October 16–20.
- 37 **Lee, Craig M.**, Maxine McBrinn, Steve Holen, Nathan Boyless, E. James Dixon, and the Lamb Spring Archaeological Preserve Board of Directors  
2013 Poster: The Lamb Spring Archaeological Preserve – A 53-Year Retrospective, PaleoAmerican Odyssey, Santa Fe, New Mexico, October 16–20.
- 36 **Lee, Craig M.**, Jennifer B. Lee, and Jocelyn Turnbull  
2013 Refining the Chronology of the Agate Basin Complex: Radiocarbon Dating the Frazier Site, Northeastern Colorado, 71st Plains Anthropological Conference, Loveland, Colorado, October 3.
- 35 **Lee, Craig M.**, Rachel Reckin, and Glacier Cultural Resources Management Group  
2013 Video: *Alpine Archeology in the Land of the Blackfeet, Kootenai, Pend d'Oreille, and Salish*, Montana Archaeological Society Meeting, Lewistown, Montana, April 13.
- 34 **Lee, Craig M.**, Steve Holen, Nathan Boyless, E. James Dixon, and the Lamb Spring Archaeological Preserve Board of Directors  
2013 Poster: The Lamb Spring Archaeological Preserve – A 53-Year Retrospective, Montana Archaeological Society Annual Meeting, Lewistown, Montana, April 13.
- 33 **Lee, Craig M.**, Steve Holen, Nathan Boyless, E. James Dixon, and the Lamb Spring Archaeological Preserve Board of Directors  
2013 Poster: The Lamb Spring Archaeological Preserve – A 53-Year Retrospective, Colorado Council of Professional Archaeologists Meeting, Denver, Colorado, March 16.
- 32 Wickert, Andrew D., **Craig M. Lee**, Kelly Monteleone, Jerry X. Mitrovica, and Robert S. Anderson  
2012 Dynamic Drainage Networks and Discharge Histories in North America over the Last Glacial Cycle: Implications for Geomorphic Change and Early Human Settlement Patterns, 39th Alaska Anthropological Association Meetings, Seattle, Washington, March 1.
- 31 **Lee, Craig M.**, and James B. Benedict  
2011 Ice Bison, Frozen Forests, and the Search for Archaeology: Juxtaposing Research at Colorado Front Range and Greater Yellowstone Area Ice Patches, 53rd Annual Montana Archaeological Society Meeting, Bozeman, Montana, April 9.
- 30 **Lee, Craig M.**, Halcyon LaPoint, Michael Bergstrom, Molly Westby, and Walt Allen

- 2010 Direct Impacts of Changing Climate on Frozen Archaeological and Paleobiological Resources in the Greater Yellowstone Ecosystem, Session: Human Adaptations to and Alterations of Their Environment, 10th Biennial Scientific Conference on the Greater Yellowstone Ecosystem: Questioning Greater Yellowstone's Future: Climate, Land Use, and Invasive Species, Mammoth, Wyoming, October 12.
- 29 Seifert, Dan, Edward Chatelain, **Craig M. Lee**, Zach Siligman, Dan Evans, Haans Fisk and Paul Maus
- 2010 Monitoring Alpine Climate Change in the Beartooth Mountains of the Custer National Forest, Session: Monitoring and Reporting on Climate Change, 10th Biennial Scientific Conference on the Greater Yellowstone Ecosystem: Questioning Greater Yellowstone's Future: Climate, Land Use, and Invasive Species, Mammoth, Wyoming, October 12.
- 28 Seifert, Dan, **Craig M. Lee**, Edward Chatelain, Zach Seligman, Dan Evans, Haans Fisk, and Paul Maus
- 2010 Poster: Prioritizing Perennial Snow and Ice Fields with Archeological Research Potential in the Beartooth Mountains, Montana, 10th Biennial Scientific Conference on the Greater Yellowstone Ecosystem: Questioning Greater Yellowstone's Future: Climate, Land Use, and Invasive Species, Mammoth, Wyoming, October 13.
- 27 **Lee, Craig M.**
- 2010 Cody Complex Ice Patch Hunting in the Greater Yellowstone Area, 52nd Annual Montana Archaeological Society Meeting, Red Lodge, Montana, April 24.
- 26 **Lee, Craig M.**
- 2009 Technological and Cultural Developments Along the Northern and Central Northwest Coast of North America prior to 7 ka BP, 17th Arctic Conference, University of Colorado Boulder, Boulder, Colorado, November 14.
- 25 **Lee, Craig M.**
- 2009 From Denali to Yellowstone, Results of Ongoing Ice Patch Investigations in Western North America, 9th Biennial Rocky Mountain Anthropological Conference, Gunnison, Colorado, October 9.
- 24 **Lee, Craig M.**
- 2007 Discoveries and Prospects: The Archaeology and Paleoecology of Perennial Snow and Ice in the Greater Yellowstone Ecosystem, Session: Archaeology in the Greater Yellowstone Ecosystem, 8th Biennial Rocky Mountain Anthropological Conference, Jackson Hole, Wyoming, October 27.
- 23 **Lee, Craig M.**
- 2007 Virtual Globes and Archaeology, Session: Visualizing Archaeology, 8th Biennial Rocky Mountain Anthropological Conference, Jackson Hole, Wyoming, October 26.
- 22 **Lee, Craig M.**
- 2007 Perennial Snow and Ice Patch Archeology in the Rocky Mountains: New Insights from Surveys in Montana and Colorado, General Session: Archaeobotany, Society for American Archaeology Annual Meeting, Austin, Texas, April 28.
- 21 Lee, Jennie Borresen, **Craig M. Lee**, and Jocelyn Turnbull
- 2007 Poster: Refining the Age of the Frazier Site: AMS Radiocarbon Dating, Stable Isotope Analysis, and the Agate Basin Complex, Poster Session: Archaeometry, Society for American Archeology Annual Meeting, Austin, Texas, April 26.
- 20 **Lee, Craig M.**, and E. James Dixon
- 2006 Poster: Alpine Paleoecology: Unique Insights from Archeological and Paleontological Discoveries in Perennial Snow and Ice Features in Western North America, XIX American Quaternary Association (AMQUA) Biennial Meeting, Bozeman, Montana, August 18.
- 19 **Lee, Craig M.**, and E. James Dixon
- 2006 Poster: Alpine Paleoecology: Unique Insights from Archeological and Paleontological Discoveries in Perennial Snow and Ice Features in Western North America, Colorado Archaeological Society Annual Meeting, Cortez, Colorado, May 28.
- 18 **Lee, Craig M.**, and James B. Benedict

- 2006 Bison Paleoecology in the Alpine: Preliminary Results of the Radiocarbon and Isotopic Analysis of Two Bison Skulls Collected from a Melting Snow and Ice-Patch in Rocky Mountain National Park, Rocky Mountain National Park Research Conference 2006, Estes Park, Colorado, June 15.
- 17 **Lee, Craig M.**, and James B. Benedict  
2006 Rocky Mountain Ice Patch Archeology: New Insights into Bison Paleoecology and Prospects for Future Research, Colorado Council of Professional Archaeologists 2006 Annual Meeting, Estes Park, Colorado, March 31.
- 16 **Lee, Craig M.**, and E. James Dixon  
2006 Assessing the Origin and Function of Early Period Microblade Technology in Southeast Alaska, 36th International Arctic Workshop, INSTAAR, Boulder, Colorado, March 17.
- 15 **Lee, Craig M.**  
2005 Investigations into the Origin and Function of Microblade Technology on the Northern Northwest Coast (Southeast Alaska) Prior to 7,000 Radiocarbon Years Before Present, Paths Across the Pacific IV (PACIV) Conference, Sitka, Alaska, July 23.
- 14 **Lee, Craig M.**, E. James Dixon, James B. Benedict, and Jennie B. Lee  
2004 Rocky Mountain Ice Patch Archeology: Paleontological Discoveries and Archeological Possibilities, 62nd Annual Plains Anthropological Conference, Billings, Montana, October 14.
- 13 **Lee, Craig M.**  
2004 Archeological Site 49-PET-408: Microblades, Obsidian, and Regional Relationships at 9,200 YBP Southeast Alaska, Paths Across the Pacific III (PACIII) Conference, Sitka, Alaska, July 25.
- 12 **Lee, Craig M.**, E. James Dixon, James B. Benedict, and Jennie B. Lee  
2004 Ice Patch Archeology in Colorado? A Review of Paleontological Discoveries and Archaeological Possibilities, 31st Annual Alaska Anthropological Association Meeting, Whitehorse, Yukon, Canada, April 8.
- 11 Dixon, E. James, **Craig M. Lee**, and William F. Manley  
2004 Archeology of Glaciers and Snow Patches: Examples from Alaska's Wrangell St. Elias National Park and Preserve, 31st Annual Alaska Anthropological Association Meeting, Whitehorse, Yukon, Canada, April 8.
- 10 **Lee, Craig M.**, E. James Dixon, and William F. Manley  
2004 Poster: The Archeology of Glaciers and Snow Patches: A New Research Frontier, 34th Annual Arctic Workshop, Boulder, Colorado, March 12.
- 9 Manley, William F. Manley, E. James Dixon, and **Craig M. Lee**  
2003 Poster: The Archeology of Glaciers and Snow Patches: A New Research Frontier, SEARCH Open Science Meeting, Seattle, Washington, October 28.
- 8 Dixon, E. James, William F. Manley, and **Craig M. Lee**  
2003 Poster: The Archeology of Glaciers and Snow Patches: A New Research Frontier, HARC Patterns, Connections, and Methods Workshop, Seattle, Washington, October 27
- 7 Dixon, E. James, **Craig M. Lee**, and William F. Manley  
2003 Beringia's Frozen Past: Ancient Artifacts on Ice, Annual Beringia Days Conference, Anadyr, Chukotka, Russia, September 17.
- 6 **Lee, Craig M.**  
2002 Microblade Morphology and Trace Element Analysis: An Examination of Obsidian Artifacts from 49-PET-408, 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado, March 22.
- 5 **Lee, Craig M.**  
2002 Microblade Morphology and Trace Element Analysis: An Examination of Obsidian Artifacts from Archaeological Site 49-PET-408, 32nd International Arctic Workshop, Boulder, Colorado, March 15.
- 4 **Lee, Craig M.**  
2001 Microblade Morphology and Trace Element Analysis: An Examination of Obsidian Artifacts from Archaeological Site 49-PET-408, Prince of Wales Island, Alaska, 9th Annual Arctic Archaeology Conference, Salt Lake City, Utah, October 25.
- 3 **Lee, Craig M.**

2000 The Trace Element Analysis of Obsidian from 49-PET-408: An Examination of Lithic Reduction Strategies in a Maritime Environment Circa 14C 9200BP, 30th International Arctic Workshop, Boulder, Colorado, March 17.

2 **Lee, Craig M.**

1998 Non-Volcanic Natural Glass and the Prehistoric Populations of Southeastern Montana, Montana Archaeological Society/Wyoming Archaeological Society Joint Meeting, Billings, Montana, May 8.

1 **Lee, Craig M.**

1997 Non-Volcanic Glass in Southeastern Montana, 55th Annual Plains Anthropological Conference, Boulder, Colorado, November 20.

## SELECTED WORK EXPERIENCE (e.g., museums and curatorial facilities)

### *Exhibit Design*

2018 *Archaeology Out of Ice*

Traveling museum exhibit. Scalable, and designed to fit in a variety of temporary spaces, the exhibit focuses on the human dimensions of ice patches as revealed through archaeological investigations and tribal tradition. The exhibit includes: paleobiological materials, e.g., a bison jaw and wooden “cookies” cut from relict trees once entombed in ice; artifacts, e.g., wooden dart shaft fragments and a bighorn sheep skull; as well as replications of recovered artifacts, interpretive and artistic pieces. The exhibit includes four pull-up floor banners describing (1) archaeology, (2) a tribal (Apsaloka) perspective, and (3) climate cycles (warming and cooling trends) revealed by ice coring, and the analysis of (4) ancient trees.

### *Exhibit Curator, Traveling Museum Exhibit: Archeology Out Of Ice (AOOI)*

9/21/2021–present *Museum of Natural History*, University of Colorado, Boulder.

2/1/2020–9/15/2021 Co-Installation of *Archaeology Out of Ice* and the University of New Mexico’s Maxwell Museum’s *Archaeology on Ice* at the *Yellowstone Heritage Center*, Yellowstone National Park, Gardiner, Montana. (No viewership estimate)

10/1/2019–12/9/2019 *Utah State University Anthropology Museum*, Logan, Utah. Exhibit coincided with the 14th Biennial Rocky Mountain Anthropological Conference. (No viewership estimate)

10/1/2018–8/1/2019 *Wyoming State Museum*, Cheyenne, Wyoming. Co-located with the University of Wyoming Archaeological Repository’s “Wyoming Archaeology Awareness Month” (WAAM) poster, which focused on “Ice Patch Archaeology.” Exhibit opening coincided with Wyoming Governor Mead’s WAAM Proclamation signing and reception. (No viewership estimate)

8/8/2018–9/22/2018 *Jackson Hole Historical Society’s Deloney Museum*, Jackson, Wyoming. (Approximately 2,225 viewers)

5/1/2018–8/7/2018 *Gallatin History Museum*, Bozeman, Montana. (Approximately 500 viewers)

4/22/2018–4/28/2018 *Western Heritage Center*, Billings, Montana. (Approximately 200 viewers in total.)

3/11/2018–3/17/2018 Exhibit Grand Opening, three (3) locations on the Wind River Reservation, Wyoming: 1) Intertribal Center at Central Wyoming College, Riverton; 2) The Wyoming Indian High School, Ethete; and 3) Lander Valley High School, Lander. (Approximately 300 viewers in total.)

### *Other Museum Experience*

2000 **Denver Museum of Nature and Science (DMNS)**, Denver, Colorado

Supervisor of the museum’s archeological and paleontological collections long-term storage project. Work involved the cataloging, packing, moving, and storage of all non-displayed archeological collections and some paleontological materials including the disassembly and storage of the museum’s largest archeological exhibit, Dr. H. Marie Wormington’s “Hall of Ancient Peoples” in preparation for the museum’s pivot to exhibiting “space science.”

1997 Bureau of Land Management’s **Billings Curation Center (BCC)**, Billings, Montana

Assistant Curator. Accessioned archaeological collections from federal lands in Montana and North and South Dakota

1996 Bureau of Land Management’s **Billings Curation Center (BCC)**, Billings, Montana

Intern. Accessioned archaeological collections from federal lands in Montana and North and South Dakota.

### **SYNERGISTIC ACTIVITIES (SERVICE AND OUTREACH HIGHLIGHTS)**

- Editorial Advisory Board, *Journal of Glacial Archaeology*, Equinox Press, 2020 to present
- Member, Montana Site Stewardship Program Advisory Council, 2015
- Board Member and Secretary, PaleoCultural Research Group (PCRG), 2014 to present
- Board Member, Lamb Spring Archaeological Preserve (LSAP), 2009 to present (President 2010–2011)
- Chair, Metcalf's Research and Professional Growth Benefit Committee, more than \$140k in awards made to employees (2007 to present)
- Board Member, Montana Archaeological Society, 2013–2015 (President 2014–2015)
- Coordinator, INSTAAR/NSIDC open houses for ca. 350 Middle School students, 2010–2011
- Board Member, Rocky Mountain Anthropological Association, 2007–2011
- Member, University of Colorado Colloquium Committee, 2001–2004 (Chair 2002–2003)

### **PROFESSIONAL, SOCIETAL, AND ORGANIZATION MEMBERSHIPS**

- Alaska Anthropological Association (intermittent)
- Canadian Archaeological Association (intermittent)
- Colorado Archaeological Society, 2004 to present
- Colorado Council of Professional Archaeologists, 2006 to present
- Idaho Professional Archaeological Council, 2010 to 2020
- Montana Archaeological Society, 1995 to present
- PaleoCultural Research Group, 2000 to present
- Plains Anthropological Society, 1997 to present
- Register of Professional Archaeologists, 2008 to present
- Society for American Archaeology, 1996 to present
- Wyoming Archaeological Society, June Frison Chapter charter member and past president [1999] (intermittent)

### **PROFESSIONAL DEVELOPMENT (TRAINING)**

- 2020 Inclusive Culture Workshop facilitated by Dr. Alex Ruiz of Paradigm. Diversity, Equity, and Inclusion (DEI) to help shift science culture, not just “check-the-box.” <https://www.paradigmhq.com/>
- 2020 Recording Lectures using TechSmith Relay to transition to Online Session 1. Montana State University's Faculty Excellence Trainers.
- 2018 Indian Education for All in Montana for One MUS. <http://www.montana.edu/iefa/>
- 2017 Improve Your Path to Success by Joining a Writing Group. Montana State University's Faculty Excellence Trainers.
- 2017 Online Learning is Not a Spectator Sport. Montana State University's Faculty Excellence Trainers.
- 2015 Tara Gray- Publish & Flourish. Montana State University's Faculty Excellence Trainers.
- 2013 Work with Rural and Tribal Citizen Leaders to Improve Your Research and Service (with /Bill Yellowtail, and Bonnie Sachatello-Sawyer), Bozeman, Montana, February 14
- 2009 Advisory Council on Historic Preservation (ACHP), *Advanced Section 106 Seminar*, Anchorage, Alaska, August 20
- 2009 Advisory Council on Historic Preservation (ACHP), *Section 106 Essentials Course*, Denver, Colorado, March 12-13
- 2008 Short Course, Section 106 Basics, Instructor: Richard Currit, Wyoming State Historic Preservation Office, September 29.
- 2008 Short Course, Architecture for Archaeologists, Instructor: Betsy Bradley, Wyoming State Historic Preservation Office, September 30.

## ARCHAEOLOGICAL FIELD INSTRUCTION

March 2012, April 2015, 2016, 2017, 2018, 2019, 2020, 2021 and November 2020, October 2021 (average one weekend/each)

### **Field Director, Montana State University Archaeological Field Practicums for Human Prehistory (ANTY 215)**

*Attendance:* 35 undergraduates (majors and non-majors) plus upper division students and professional archaeologists, including program graduates, acting as supervisors. Participants divided equally over the days.

*Description:* In addition to a preliminary flint knapping exercise to familiarize the students with multiple types of raw materials, students intensively surveyed cut-banks in creek bottoms, along stream terraces, and in adjacent uplands prior to excavating 1m x 1m units in a variety of contexts, e.g., stone circles (tipi rings), bison kills, railroad grades, etc.

Summers 2006–2021 (average 2 weeks per year)

### **Field Director, University of Colorado Archaeological Surveys, Alpine Snow and Ice Patches, Montana and Wyoming**

*Attendance:* variable, ca. 2 to 5 individuals

*Description:* Field training in archaeological survey techniques for volunteers and researchers from diverse backgrounds, including Native and non-Native graduate and undergraduate students from the Rocky Mountain region.

April 2017

One weeklong excavation at Hawthorne Elementary school, Bozeman, Montana. Circa 60 4<sup>th</sup> grade students conducted the primary excavation with professional archaeologists (N=8) as supervisors. Tours given to students from grades K-5.

Summers 1998–2000 and 2004 (average 3 months per year)

### **Mentor/Instructor, Denver Museum of Nature and Science and University of Colorado Archaeological Field Camps, On-Your-Knees Cave (49-PET-408), Southeast Alaska**

*Attendance:* variable, ca. 5 to 15 individuals

*Description:* Provided field training in archaeological method and theory for volunteers and paid researchers from diverse backgrounds, including college-aged and high school-aged Tlingit and Haida Native American interns, anthropology and earth science undergraduate students, and Denver Museum of Nature and Science volunteers of varying ages.

Summers 2001, 2003, and 2004 (average 1 month per year)

### **Mentor/Instructor, University of Colorado Archaeological Surveys, Wrangell-St. Elias National Park, Alaska**

*Attendance:* variable, 1 to 3 individuals

*Description:* Field training in archaeological method and theory for volunteers and researchers, including Ahtna tribal members and students.

## OTHER SERVICE ACTIVITIES (e.g., master teaching and non-conference university guest lectures)

- 2020 Ice Patch Archaeology, public lecture, Museum of Anthropology, Utah State University, Logan, Utah, January 14.
- 2019 Introduction to Archaeology and Advanced Archaeological Field Methods, guest lecture for Dean Nicolai and Professor Brien at Salish Kootenai College, Pablo, MT, November 18.
- 2018 Recent Advances in Paleoindian Archaeology, guest lecture for Cathy Whitlock (ERTH 584 Quaternary Environments of the Western United States) at Montana State University, Bozeman, Montana, November 19.
- 2018 Ice Patch Archaeology, public lecture, Wyoming State Museum, Cheyenne, Wyoming, September 26.
- 2018 Public lecture for Governor Matt Mead's Proclamation for Wyoming Archaeology Awareness Month, Kendrick Gallery Conference Room, Idelman Building, Cheyenne, Wyoming, August 28.

- 2018 Ice Patch Archaeology, public lecture, Jackson History Museum, Jackson, Wyoming, August 8.
- 2018 The Madison Buffalo Jump, lecture, Bureau of Land Management's Project Archaeology National Leadership Training Program, Logan, Montana, June 26.
- 2018 Cultural Respect, Archaeological Stewardship, and the Clovis-Age Anzick Child Burial (with Michael P. Neeley), lecture for Wilsall, Montana, public school 4th and 6th graders, Wilsall, Montana, May 23.
- 2018 Ice Patch Archaeology (three lectures), Lander Valley High School, Lander, Wyoming, May 18.
- 2018 Ice Patch Archaeology (three lectures), Wyoming Indian High School, Ethete, Wyoming, May 16.
- 2018 Ice Patch Archaeology, public lecture, Gallatin History Museum, Bozeman, Montana, May 2.
- 2018 Can You Dig It? Archaeology in Hawthorne's 135-Year-Old Playground, STE(A)M night, Hawthorne Elementary School, Bozeman, Montana, January 18.
- 2017 Cultural Respect, Archaeological Stewardship, and the Clovis-Age Anzick Child Burial, lecture for Wilsall, Montana, public school 4th and 6th graders, Wilsall, Montana, May 23.
- 2017 Auctioneer, Live Auction Fundraiser for the 59th Annual Meeting of the Montana Archaeological Society, Missoula, Montana, April 7.
- 2017 Bureau of Land Management's/Billings Curation Center's "Artifact Roadshow" public outreach lecture and artifact identification for the public, Montana State Office, Billings, Montana, April 13.
- 2017 Anthropological Archaeology and Cultural Heritage – Exploring and Preserving Our Past for Our Future, lecture for Nicole Smith, Colorado School of Mines Humanitarian Engineering Program. January 13.
- 2016 The Late Pleistocene Colonization of the Western Hemisphere, guest lecture for Cathy Whitlock (ERTH 584 Quaternary Environments of the Western United States) at Montana State University, Bozeman, Montana, November 22.
- 2016 What Can I Do with a Major in Anthropology?, Allen Yarnell Center for Student Success – Career, Internship, and Student Employment Office, Montana State University, Bozeman, Montana, October 25.
- 2015 Greater Yellowstone Area Ice Patches and Archaeology, guest lecture for David McWethy (ERTH 212 Yellowstone: A Scientific Laboratory) at Montana State University, Bozeman, Montana, October 6.
- 2015 Ice Cores from Ice Patches: A Novel Proxy for Assessing Paleoclimate in the Rocky Mountain Region, Freshman Honors Research Symposium, Montana State University, Bozeman, Montana, November 14.
- 2015 Science Technology Engineering (Art) and Math (STE[A]M) lectures on archaeology, Hawthorne Elementary School, Bozeman, Montana, January 22.
- 2014 The Late Pleistocene Colonization of the Western Hemisphere, guest lecture for Cathy Whitlock (ERTH 584 Quaternary Environments of the Western United States), Montana State University, Bozeman, Montana, November 18.
- 2014 Ice Patch Archaeology at the Crossroads of Culture and Climate Change in the Greater Yellowstone, Lecture for Draper Natural History Museum Lunchtime Expedition, Buffalo Bill Center of the West, Cody, Wyoming, November 6.
- 2014 Ice Patch Archaeology, lecture for Greater Yellowstone Coordinating Committee's "GYCC Public Meeting," Bozeman, Montana, October 28.
- 2014 Out of Ice: An Archaeology of Climate Change in North America and Beyond, lecture for Jackson Museum and Mercill Archaeology Center in celebration of International Archaeology Day, Jackson, Wyoming, October 18.
- 2014 Greater Yellowstone Area Ice Patches and Archaeology, guest lecture for David McWethy (ERTH 212 Yellowstone: A Scientific Laboratory), Montana State University, Bozeman, Montana, September 4.
- 2013 Lectures and demonstrations for first-grade students, Hawthorne Elementary School, Bozeman, Montana, December 12–13.
- 2013 Sabo Ranch Tour for BLM's Project Archaeology and fourth-grade students, Irving Elementary School, Bozeman, Montana, October 10.
- 2013 Lecture on Archaeology, Southwest Montana Farm and Ranch Brokers, Bozeman, Montana, November 6.
- 2013 Ice Patch Archaeology in the Rocky Mountains: Silver Lining to 21st-Century Climate Change, or Too Little, Too Late?, Fall 2013 Freshman Research Symposium, Montana State University, Bozeman, Montana, November 15.
- 2013 Greater Yellowstone Ecosystem: Its History and Ecology, Tour Guide, XXVII International Moor Excursion from the University of Bern, Switzerland), Beartooth Mountains, Montana, August 13.

- 2013 Lecture on Archaeology, Bozeman Public Library Summer Series “Dig into Reading,” Bozeman, Montana, July 5.
- 2013 Lecture on Archaeology, Bozeman Kiwanis Club, Bozeman, Montana, June 17.
- 2012 The Late Pleistocene Colonization of the Western Hemisphere, guest lecture for Cathy Whitlock (ERTH 584 Quaternary Environments of the Western United States), Montana State University, Bozeman, Montana, December 5.
- 2012 Landscapes, Icescapes, and Archaeological Research in the Rocky Mountains, Fall 2012 Freshman Research Symposium, Montana State University, Bozeman, Montana, November 20.
- 2012 Lecture on Bison Kills and Two Practicums on Typology, Including a Hands-On Flint Knapping Exercise, Presentations for Certified Master Teachers, Project Archaeology Leadership Academy (Bureau of Land Management and Montana State University), Bozeman, Montana, June 26–27.
- 2011 Paleoindian Archaeology of Colorado, lectures to fourth-grade students, Highline Academy, Denver, Colorado, May 15.
- 2011 Radiocarbon Dating Organic Artifacts (with Scott Lehman), lecture at Boulder Watershed School, Boulder, Colorado, March 15.
- 2006– Lectures to eighth-grade students, Southern Hills Middle School, INSTAAR and National Snow and Ice  
2011 Data Center (NSIDC) annual open houses.
- 2010 Societal Development and Societal Collapse (lecture), Participating Faculty Member (attend weekly sessions), Gifford Miller’s GEOG 5700 Holocene Nonlinearities Seminar, University of Colorado, Boulder, Colorado, January-May.
- 2006– Panelist, interviewed and commented on projects from third-, fourth-, and fifth-grade students, High  
2009 Peaks Elementary School Science Fair, Boulder, Colorado.
- 2008 Ice Research and Life at the Poles, guest lecturer at Diane Stanitski’s class, University of Colorado Science Discovery Center, Boulder, Colorado, June 15.
- 2007 Instructor, Technology Workshop on the Pedagogical Value of Virtual Globes in the College Classroom (focusing on “Google Earth” and NASA’s “World Wind”), University of Colorado Graduate Teacher Program, Boulder, Colorado, March 15.

**SERVICE – REGULAR PEER REVIEW FOR ACADEMIC JOURNALS (selected list)**

- *American Antiquity*
- *Arctic, Antarctic and Alpine Research*
- *Arctic Anthropology*
- *Canadian Journal of Archaeology*
- *Journal of Archaeological Method and Theory*
- *Journal of Field Archaeology*
- *Journal of Glacial Archeology*
- *PaleoAmerica*
- *Plains Anthropologist*
- *Southwestern Lore*
- *The Holocene*

**Vita updated: December 2021**