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# G. EVERETT LASHER | Curriculum Vitae

## Education

- Ph.D. Earth and Planetary Sciences, Northwestern University  
06/2019 Advisor: Yarrow Axford
- M.S. Dissertation: *Holocene Climate Change in Greenland: Investigations Using Oxygen*  
12/2015 *Isotopes of Lacustrine Organic Materials*
- B.S. Geology, Dickinson College  
5/2011 Advisor: Jeffery Niemitz  
Thesis: *The implications of climate change on stream flow and legacy sediment remobilization: Yellow Breeches Creek, Cumberland County, PA*

## Professional and Academic Appointments

- 10/2019– University of Pittsburgh, Climate and Global Change Center  
*Present* Postdoctoral Associate  
*Yukon, Alaska and southwestern United States paleoclimate and landscape development histories.*
- 11/2011 – Arizona State University Foundation for a New American University  
05/2013 Deputy Chief of Staff  
*Coordinated staff and advanced ASU & Foundation mission on behalf of President and CEO. Organized early fundraising and development of ASU McCain Institute*
- 09/2011 – MapStory Foundation  
06/2013 Project Coordinator  
*Managed 15 to 20 ASU undergraduate and graduate students testing new spatial-temporal data formats for the MapStory.org platform*

## Teaching

- 9/2014 – Teaching Assistant & Guest Lecturer  
5/2019 Climate Catastrophes in Earth History (~ 250 students, 4 quarters)  
Northwestern University, Dept. Earth and Planetary Sciences
- 9/2017 – Teaching Assistant & Guest Lecturer  
12/2018 Earth Sciences in the 21<sup>st</sup> Century (~ 300 students, 1 quarter)  
Northwestern University, Dept. Earth and Planetary Sciences

- 5/2010 – Teaching Assistant & Lab Manager  
5/2011 Advanced Geographic Information Systems (~ 20 students, 2 semesters)  
Dickinson College, Dept. Environmental Sciences
- 5/2009 – Teaching Assistant and Tutor  
15/2011 Oceanography, Planet Earth, Geology of National Parks (~ 30 students, 4 semesters)  
Dickinson College, Dept. Environmental Sciences and Geology Dept.

### Peer Reviewed Publications

- Larocca, L.J., Axford, Y., Woodroffe, S.A., **Lasher, G.E.**, Gawin, B., 2020. Holocene glacier and ice cap fluctuations in southwest Greenland inferred from two lake records. *Quaternary Science Reviews* 246.
- Larocca, L.J., Axford, Y., Bjørk, A.A., **Lasher, G.E.**, Brooks, J.P., 2020. Local glaciers record delayed peak Holocene warmth in south Greenland. *Quaternary Science Reviews* 241.
- Lasher, G.E.**, Axford, Y., Masterson, A.L., Berman, K., Larocca, L.J., 2020. Holocene temperature and landscape history of southwest Greenland inferred from isotope and geochemical lake sediment proxies. *Quaternary Science Reviews* 239.
- Lasher, G.E.** and Axford, Y., 2019. Mediaeval warmth confirmed at the Norse Eastern Settlement in Greenland. *Geology* 47, 267-270.
- Axford, Y., **Lasher, G.E.**, Kelly, M.A., Osterberg, E.O., Landis, J., Schellinger, G.C., Pfeiffer, A., Thompson, E., Francis, D.R., 2019. Holocene temperature history of northwest Greenland – With new ice cap constraints and chironomid assemblages from Deltasø. *Quaternary Science Reviews* 215, 160-172.
- van Hardenbroek, M., Chakraborty, A., Davies, K.L., Harding, P., Heiri, O., Henderson, A.C.G., Holmes, J.A., **Lasher, G.E.**, Leng, M.J., Panizzo, V.N., Roberts, L., Schilder, J., Trueman, C.N., Wooller, M.J., 2018. The stable isotope composition of organic and inorganic fossils in lake sediment records: Current understanding, challenges, and future directions. *Quaternary Science Reviews* 196, 154-176.
- Lasher, G.E.**, Axford, Y., McFarlin, J.M., Kelly, M.A., Osterberg, E.C., Berkelhammer, M.B., 2017. Holocene temperatures and isotopes of precipitation in Northwest Greenland recorded in lacustrine organic materials. *Quaternary Science Reviews* 170, 45-55.
- Corbett, L.B., Bierman, P.R., **Lasher, G.E.**, Rood, D.H., 2015. Landscape chronology and glacial history in Thule, northwest Greenland. *Quaternary Science Reviews* 109, 57-67.
- Niemitz, J., Haynes, C., **Lasher, G.E.**, 2012. Legacy sediments and historic land use: Chemostratigraphic evidence for excess nutrient and heavy metal sources and remobilization. *Geology* 41, 47-50.

### Publications in prep/review/revision.

- Lasher, G.E.** Abbott, M.B., Anderson, L., Oxygen isotopes record early Holocene hydroclimate reorganization in northwest Canada. Ready for submission to *Geophysical Research Letters*.

## Fellowships, Honors and Awards

- 2018 Marion Sloss Outstanding Graduate Teaching Assistant Award  
*Northwestern University, Dept. of Earth and Planetary Sciences*
- 2017 Horace A. Scott Graduate Award for Outstanding Research  
*Northwestern University Dept. of Earth and Planetary Sciences*
- 2015 – 2016 Institute for Sustainability and Energy at Northwestern “Cluster” Fellowship
- 2014 Marcus Fund Award for Physical Geography (w/ Dr. Yarrow Axford)  
*American Association of Geographers*
- 2014 Graduate Student Research Grant  
*Geological Society of America*
- 2011 William Vernon Prize for Excellence in the Earth Sciences  
*Dickinson College, Dept. of Earth Sciences*
- 2010 Undergraduate Collaborative Research Grant (w/ Dr. Jeffery Niemitz)  
*Dickinson College, Dept. of Research and Development*

## Field Work

- 2020 Fish Lake, Utah, winter lake coring, preliminary sampling for NSF P2C2 RFP  
*Expedition coordinator, M. Abbott UPitt CGCC Funded*
- 2018, 2019 Kap Farvel, South Greenland, glacial geology mapping, lake sediment coring, 5 weeks  
*Expedition leader, Y. Axford NSF Project*
- 2018 Kangerlussuaq, West Greenland, wildfire history, lake sediment coring, 2 weeks  
*Graduate field assistant, M. Chipman National Geographic Project*
- 2016 Narsarsuaq, South Greenland, cosmogenic sampling, lake sediment coring, 6 weeks  
*Expedition Co-leader, Y. Axford NSF Project*
- 2015 Nuuk, Southwest Greenland, lake sediment coring, 2 weeks  
*Expedition member, Y. Axford National Geographic Project*
- 2013, 2014 Thule, Northwest Greenland, glacial geology, lake sediment coring, 4 weeks  
*Expedition member, Y. Axford NSF Project*
- 2009 British Columbia, Canada, Pleistocene volcano mapping, sampling, 3 weeks  
*Undergraduate field assistant, B. Edwards NSF Project*

## Conference Presentations

- Lasher, G.E.**, Axford, Y., 2018. Medieval Climate in the Context of the Past 3000 Years at the Norse Eastern Settlement in South Greenland. AGU Fall Meeting (Washington D.C.).
- Lasher, G.E.**, Axford, Y., Blair, N.E., 2017. Oxygen Isotopes Archived in Subfossil Chironomids: Advancing a Promising Proxy for Lake Water Isotopes. AGU Fall Meeting (New Orleans, Louisiana).

- Lasher, G.E.**, Axford, Y., McFarlin, J., Kelly, M.A., Osterberg, E.C., Berkelhammer, M. B., Herman, K., Kotecki, P. and Gawin, B., 2016. Holocene Climate Reconstructions from Lake Water Oxygen Isotopes in NW and SW Greenland. AGU Fall Meeting (San Francisco, California).
- Lasher, G.E.**, Axford, Y., McFarlin, J., Kelly, M.A., Osterberg, E.C., Berkelhammer, M. 2016. Holocene Climate in Northwest Greenland Recorded in Oxygen Isotopes of Lacustrine Organic Materials. Isotope Workshop (University of Southampton, UK).
- Lasher, G.E.**, Axford, Y., McFarlin, J., Kelly, M.A., Osterberg, E.C., Farnsworth, L., and Kotecki, P. 2015. Holocene climate in NW Greenland inferred from oxygen isotopes of preserved aquatic organic material. AGU Fall Meeting (San Francisco, California).
- Axford, Y., **Lasher, G.E.**, McFarlin, J., Francis, D.R., Kelly, M.A., Langdon, P.G., Levy, L.B., Osburn, M., and Osterberg, E.C. 2015. Holocene temperature shifts around Greenland: Paleolimnological approaches to quantifying past warmth and documenting its consequences. AGU Fall Meeting (San Francisco, California).
- Kelly, M.A., Osterberg, E.C., **Lasher, G.E.**, Farnsworth, L.B., Howley, J.A., Axford, Y. and Zimmerman, S.R.H. 2015. Holocene Fluctuations of North Ice Cap, a Proxy for Climate Conditions along the Northwestern Margin of the Greenland Ice Sheet. AGU Fall Meeting (San Francisco, California).
- Lasher, G.E.**, Axford, Y., McFarlin, J., Blair, N.E., Kelly, M.A., Osterberg, E.C., Kotecki, P., Farnsworth, L. 2015. Northwest Greenland Holocene temperatures inferred from organic archives of lakewater oxygen isotopes, Geological Society of America: North-Central Section (Madison, WI).
- Lasher, G.E.**, and Niemitz, J. 2010. The Implications of Climate Change on Stream Flow and Legacy Sediment Remobilization, Yellow Breeches Creek, Cumberland County, PA. Geological Society of America Fall Meeting (Denver, Colorado).
- Edwards, B. R., Ryane, C., Russell, J., **Lasher, G.E.**, and Dunnington, G. 2010. Glaciovolcanism and episodic ice-sheets: evidence for paleo-climate proxies and insights into eruption dynamics from the Kawdy-Tuya area of northern British Columbia. EGU General Assembly. (Vienna, Austria).
- Ryane, C., Edwards, B.R., Russell, J., **Lasher, G.E.**, and Dunnington, G. 2010. Stratigraphic relationships from two previously undescribed tuyas in northern British Columbia: Constraints on Quaternary paleo-ice distributions. EGU General Assembly. (Vienna, Austria).
- Dunnington, G., Edwards, B.R., Ryane, C., Russell, J., and **Lasher, G.E.**, 2010. Using erosion associated with glaciovolcanic features to document the existence of pre-LGM ice-sheets: examples from the Kawdy Plateau, northern British Columbia. EGU General Assembly. (Vienna, Austria).

## **Academic Service and Community Outreach**

- 2020*            Guest lectures at University of Pittsburgh for World Environmental History (HIST 705) and Paleoclimatology (GEOL 1052 - Virtual)
- 2017, 2018*     Organizer: Quaternary Sediment Lab tour and research presentation for Northwestern Medill Journalism class
- 2015, 2017*     Graduate leader: Earth and Planetary Sciences biennial Spring break trip to the Yucatan Peninsula, Mexico

- 2016 Op-Ed Co-author: McFarlin, J., Larocca, L., **Lasher, G.E.**, and Axford, Y. 2016. A holiday guide: Talking with family about climate change. Helix Magazine, December 22, 2016.
- 2015 Invention Fair Judge: M.L. King Jr. Laboratory School (grades 3-8), Evanston, IL
- 2013, 2014 Instructor: Project EXCITE at Northwestern, designed module and taught local grade 2-5 students about climate change, scientific method, Cretaceous flora
- 2014 Presented Axford NSF project overview to U.S. Ambassador to Denmark in Kangerlussuaq, Greenland
- 2014 Presented Axford NSF project overview to 821<sup>st</sup> U.S. Air Base Group personnel and Greenland Contractors at Thule Air Base, Greenland

### **Professional Memberships**

- 2013 – present American Geophysical Union
- 2010 – 2014 Geological Society of America