

CURRICULUM VITAE

JULIE EDWARDS

ADDRESS	<p>University of Arizona School of Geography and Development 1064 E Lowell Street, PO Box 210137 Tucson, AZ 85721-0137</p> <p>orcid: 0000-0001-6228-3171 email: julieedwards@email.arizona.edu internet: https://julieedwardspaleo.github.io</p>	
EDUCATION	<p>UNIVERSITY OF ARIZONA 2024 (anticipated) Ph.D., Geography Primary Advisor: Dr. Kevin Anchukaitis</p> <p>2020 M.A., Geography Thesis: <i>The enigmatic northwestern North America climate response to the 1783 Laki eruption</i></p> <p>UNIVERSITY OF CALIFORNIA, LOS ANGELES 2015 B.A., Geography/Environmental Studies Minor: GIS&T, and Art History Henry Samueli School of Engineering and Applied Science Dean's Honor List</p>	<p>Tucson, AZ</p> <p>Los Angeles, CA</p>
RESEARCH INTERESTS	<p>Paleoclimate, dendrochronology, proxy system modeling, climate modeling, and climate extremes</p>	
PUBLICATIONS	<p><i>Peer-Reviewed Papers</i></p> <p>Edwards, J., Anchukaitis, K. J., Zambri, B., Andreu-Hayles, L., Oelkers, R., D'Arrigo, R., & von Arx, G. Intra-annual climate anomalies in northwestern North America following the 1783-1784 CE Laki eruption. <i>Journal of Geophysical Research: Atmospheres</i>, 125, 2020JD033544. doi: 10.1029/2020JD033544, 2020.</p> <p>Meko D., I. Panyushkina, L. Agafonov, J. Edwards, Impact of high flows of an Arctic river on ring widths of floodplain trees, <i>The Holocene</i>, 2020;30(6):789-798. doi:10.1177/0959683620902217, 2020.</p>	
POSITIONS	<p>UNIVERSITY OF ARIZONA 2018 – Graduate Research Assistant School of Geography and Development Laboratory of Tree-Ring Research Advisor: Dr. Kevin Anchukaitis My current research addresses the effect of high latitude volcanic eruptions on climate and tree growth.</p> <p>2021 – Graduate Research Assistant School of Geography and Development Laboratory of Tree-Ring Research Principal Investigator: Dr. Connie Woodhouse Climate signals in the quantitative wood anatomy of Rocky Mountain bristlecone pine</p> <p>2018 – 2019 Graduate Research Assistant Laboratory of Tree-Ring Research</p>	<p>Tucson, AZ</p>

Principal Investigator: Dr. Dave Meko
 Measuring wood anatomical features to model Sierra Nevada snowpack.
 Identifying flood rings in riparian trees from along the Ob River to improve streamflow reconstructions.

UNIVERSITY OF CALIFORNIA, LOS ANGELES Los Angeles, CA
2017 – 2018 Research Assistant
 Department of Geography
 Principal Investigator: Dr. Kyle Cavanaugh
 Classified health of shallow coral reef ecosystems from underwater photography.

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE Los Angeles, CA
2017 – 2018 Research Assistant
 Department of Geological Sciences
 Principal Investigator: Dr. Jennifer Cotton
 Spatially modeled isotopic composition of small mammal species to track landscape changes over time.

TEACHING UNIVERSITY OF ARIZONA Tucson, AZ
 Laboratory of Tree-Ring Research
Teaching Assistant
 ANTH 204 *Cultures, Catastrophe and Climate* (Fall 2020)
 School of Geography and Development
Teaching Assistant
Guest Lecturer
 GEOG 170A1 *Introduction to Physical Geography* (Fall 2018, Spring 2019, Fall 2019, Spring 2020)

PRESENTATIONS **Edwards J.,** K. Anchukaitis, L. Andreu-Hayles, R. Oelkers, R. D'Arrigo, G. von Arx, B. Zambri, The impact of the 1783 Laki eruption on North American climate using quantitative wood anatomy of Alaskan white spruce, presented at the American Geophysical Union fall meeting, December 9-13, 2019, San Francisco, CA.
 Meko D., K. Morino, E. Shamir, **J. Edwards,** R. Touchan, R. Campbell, Snowpack Signal in Cell Anatomy of Sierra Nevada Tree Rings, presented at the American Geophysical Union fall meeting December 9-13, 2019, San Francisco, CA.
 Meko D., L. Agafonov, I. Panyushkina, **J. Edwards,** Ob River Flood History From Tree Rings, presented at the American Geophysical Union fall meeting, December 10-16, 2018, Washington D.C.

HONORS AAG Climate Specialty Group Student Grant, 2020
 E-an Zen Fund Geoscience Outreach Grant on behalf of the Southern Arizona chapter of AWG, 2020
 Alsie French & Edmund Schulman Memorial Scholarship, 2020
 University of Arizona Graduate & Professional Student Council Travel Grant, 2019 & 2020
 University of Arizona Women in STEM Student Council Travel Grant, 2019
 University of Arizona College of Science, Laboratory of Tree-Ring Research Scholarship Award, 2019
 University of Arizona Graduate College Fellowship, 2018 & 2019

SERVICE Reviewer for *You Are Here: The Journal of Creative Geography*
 Southern Arizona chapter of AWG (Association for Women Geoscientists) fundraising chair
 EathWeek 2020 organizer for the Laboratory of Tree-Ring Research
 GALS (Girls on outdoor Adventures for Leadership and Science) mentor
 WISE (Women in Science and Engineering) panel organizer

SAGA (Southern Arizona Geographers Association) committee member
La Brea Tar Pits & Museum Project 23 excavator (2017–2018)

PRESS "Alaska white spruce tell a tale of a cold summer", Fairbanks Daily News-Miner, January 19, 2020
"Das Klima-Gedächtnis", Natur, December 2019 (in German)

PARTICIPATION & TRAINING

LinkedEarth PaleoHack Workshop, February 2021
NCAR CESM Tutorial, Boulder, CO, August 2019
6th International Training School in Quantitative Wood Anatomy, San Vito di Cadore, Italy, June 2019

TECHNICAL SKILLS

MATLAB, R, Python, JavaScript
ArcGIS, QGIS, Leaflet, ENVI
Adobe Creative Suite, Agisoft Photoscan, ROXAS

PROFESSIONAL AFFILIATIONS

Member of *American Geophysical Union* and *American Geographical Society* and *Tree Ring Society* and *AAAS* and *American Association of Geographers* and *Geological Society of America* and *Association for Women Geoscientists*