

Zeke Baker

Curriculum Vitae

Department of Sociology | Sonoma State University
1801 East Cotati Ave, Stevenson 2084 | Rohnert Park, CA 94928
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PROFESSIONAL APPOINTMENTS (Post-PhD)

- Fall 2020 - Current **Assistant Professor of Sociology**
Sonoma State University
- 2019-2020 **Postdoctoral Research Associate**
University of Oklahoma Cooperative Institute for Mesoscale Meteorological Studies, National Atmospheric and Oceanic Administration (NOAA) National Weather Service Alaska Region

EDUCATION

- 2019 Ph.D. **University of California, Davis**, Department of Sociology
Dissertation: *Meteorological Government: A Political Genealogy of Climate Knowledge in the U.S., 1780-2018*
Committee: John R. Hall (Chair), Stephanie L. Mudge, Diana K. Davis, Patrick Carroll
- 2013 M.A. **University of California, Davis**, Department of Sociology
- 2009 B.A. **Wheaton College**, Department of Sociology

ACADEMIC ARTICLES

- 2022 **Baker, Zeke** and Stephen E. Fick. 2022. "Loving It to Death: Land Use Conflict, Outdoor Recreation and the Contradictions of Wilderness in Southeast Utah, USA." *Environmental Sociology* 1–17. <https://doi.org/10.1080/23251042.2022.2042889>
- 2022 **Baker, Zeke** and Hunter Gehlbach. 2022. "Policy Forum: Teaching Environmentalism on a Warming Planet." *History of Education Quarterly* 62(1): 107-119. <https://doi.org/10.1017/heq.2021.56>
- 2021 **Baker, Zeke**. 2021. "Anticipatory Culture: Weather, Climate, and Temporal Dissonance in the Bering Sea." *Weather, Climate & Society* 13: 1-14. <https://doi.org/10.1175/WCAS-D-21-0066.1>
- 2021 **Baker, Zeke**. 2021. "Agricultural Capitalism, Climatology and the 'Stabilization' of Climate in the United States, 1850–1920." *British Journal of Sociology* 72(2): 379-396. <https://doi.org/10.1111/1468-4446.12762>.
- 2020 **Baker, Zeke**, Julia A. Ekstrom, Kelsey D. Meagher, Benjamin L. Preston, and Louise Bedsworth. 2020. "The Social Structure of Climate Change Research and

Practitioner Engagement: Evidence from California.” *Global Environmental Change* 63:102074. <https://doi.org/10.1016/j.gloenvcha.2020.102074>.

- 2018 **Baker, Zeke**, Julia Ekstrom and Louise Bedsworth. 2018. “Climate Information? Embedding Climate Futures within Temporalities of California Water Management.” *Environmental Sociology* 4(4): 419-433. <https://doi.org/10.1080/23251042.2018.1455123>.
- 2018 **Baker, Zeke**. 2018. “Meteorological Frontiers: Climate Knowledge, the West, and US Statecraft, 1800-1850.” *Social Science History* 42(4): 731-761. <https://doi.org/10.1017/ssh.2017.51>.
- 2017 **Baker, Zeke**. 2017. “Climate State: Science-State Struggles and the Formation of Climate Science in the US from the 1930s to 1960s.” *Social Studies of Science* 47(6): 861-887. <https://doi.org/10.1177/0306312717725205>.

BOOK CHAPTERS

- 2021 Hall, John R. and **Zeke Baker**. 2021. “Climate Change Apocalypse and the Future of Salvation.” In: Kemp, Sandra and Jenny Andersson (eds.) *Futures: Interdisciplinary Perspectives on Futurity*. London: Oxford University Press. DOI: 10.1093/oxfordhb/9780198806820.001.0001
- 2019 **Baker, Zeke**. 2019. “Three Propositions Toward a Cultural Sociology of Climate Change.” Pp. 95-103 in Hall, John R., Ming-Cheng Lo, and Laura Grindstaff (eds.) *Routledge Handbook of Cultural Sociology*. New York: Routledge. DOI: <http://doi.org/10.4324/9781315267784-11> (chapter available [here](#)).

REPORTS

- 2021 **Baker, Zeke**. 2021. *Weather Information Use in the Bering Sea: A Social Analysis of Risk, Uncertainty, and Marine Decision-making*. Report to the National Weather Service, National Oceanic and Atmospheric Administration, US Department of Commerce. Report available [here](#).
- 2018 Ekstrom, Julia A., Meghan R. Klasic, Amanda Fencl, Mark Lubell, **Zeke Baker**, and Frances Einterz. August 2018. *Drought Management and Climate Adaptation among Small, Self-Sufficient Water Systems in California*. California’s Fourth Climate Change Assessment, California Natural Resources Agency. Available at: https://www.energy.ca.gov/sites/default/files/2019-12/Water_CCCA4-CNRA-2018-004_ada.pdf.

BOOK REVIEWS

- 2020 **Baker, Zeke**. 2020. Review of: Veldman, Robin *Globus: The Gospel of Climate Skepticism: Why Evangelical Christians Oppose Action on Climate Change*. *Review of Religious Research*. DOI: [10.1007/s13644-020-00399-x](https://doi.org/10.1007/s13644-020-00399-x).

MANUSCRIPTS UNDER REVIEW, IN PREPARATION, OR FORTHCOMING

Baker, Zeke. *Governing Climate: History, Power, and the Struggle over the Future.*
[Book manuscript and proposals in preparation].

TEACHING

Sonoma State University, Department of Sociology

Instructor of Record

SOCI 482: Environmental Justice & Policy (2022)

SOCI 375: Sociological Theory (2020, 2021)

SOCI 383: Science, Technology & Society (2021)

SOCI 380: Political Sociology (2021, 2022)

SOCI 325: Environmental Sociology (2020)

SSCI 299: Thinking Like a Social Scientist (2022)

University of California, Davis, Department of Sociology

Instructor of Record

Sociological Theory (2019)

Introduction to Social Research Methods (2018)

Graduate Teaching Assistant

Sociological Theory (2013, 2014, 2015, 2016)

Environmental Sociology (2015)

Global Social Change (2015)

Social Stratification (2015)

International Migration (2014)

Popular Culture (2013)

Social Problems (2012)

Sociology of Law (2012)

Social Relationships (2012)

Self & Society (2011, 2012, 2013)

University of California, Davis, Department of Science & Technology Studies

Teaching Assistant

Introduction to Science & Technology Studies (2015)

International Honors Program, Climate Change Program (2018)

Local Faculty

Comparative Issues in Food, Water, and Energy

CONFERENCE PAPER PANEL PRESENTATIONS (Selected)

- 2022 American Sociological Association. "From Prediction to Anticipatory Culture: STS at Work in Weather and Climate Services." (Los Angeles, CA, August 6).
- 2022 American Meteorological Society. "Governing Futures? Security Technologies and the Climate Security Field in Sociological Perspective." (Houston, TX, January 24).
- 2021 Social Science History Association. "Linked Political Economies of Colonial Exploitation: The Pribilof Islands-San Francisco Bay Area Connection." (Philadelphia, PA, November 11).
- 2021 American Meteorological Society. "Anticipatory Culture and Temporal Dissonance in the Bering Sea." (Virtual, January 12)
- 2020 American Sociological Association. "Anticipatory Culture in the Bering Sea." (San Francisco, CA, August 18) [online due to COVID-19]
- 2019 American Geophysical Union. "Anticipating Future Bering Sea Marine Environments: Following Sea Ice and Marine Forecasts from Production to Use." (San Francisco, CA, December 5)
- 2019 American Sociological Association. "Beyond Crisis: Towards a Critical Climatology." (New York, August 15)
- 2018 Social Science History Association. "Governing Futures: The Climate-Security Field and the Fragmentation of Climate Expertise." (Phoenix, AZ, November 9)
- 2018 Society for the Social Studies of Science (4S). "Agricultural Capitalism, Climatology, and the Dialectics of Climate Stabilization, 1850s-1900." (Sydney, AU, August 31)
- 2018 American Sociological Association. "Climate Information? Embedding Climate Futures within Social Temporalities of California Water Management." (Philadelphia, PA, August 11)
- 2017 Social Science History Association. "Stabilizing Climate, Economizing Weather: U.S. Industrialism and Climate Knowledge, 1870-1930." (Montreal, QC, November 3)
- 2017 Social Science History Association. "Antinomies of Apocalypse and Social Temporalities of Climate." (Montreal, QC, November 2)

- 2017 Society for the Social Studies of Science (4S). “Meteorological Frontiers: Climate Knowledge, the West, and U.S. Statecraft, 1800-1850.” (Boston, MA, September 1)
- 2017 American Sociological Association. “Meteorological Frontiers: Climate Knowledge, the West, and U.S. Statecraft, 1800-1850.” (Montreal, QC, August 13)
- 2017 Center for the Critical Study of Apocalyptic and Millenarian Movements. Conference: Climate and Apocalypse. Paper: “Antinomies of Apocalypse: Hermeneutic Phenomenology and the Temporal Deconstruction of Climatic Imaginaries.” (Bedford, UK, June 29)
- 2016 Social Science History Association. “Climate Knowledge, Territoriality, and Racial Climatology” (Chicago, IL, November 18)
- 2015 History of Science Society. “From Appropriation to Biopolitics: Climate Change, Meteorology, and U.S. Westward Expansion.” (San Francisco, CA, November 22)
- 2015 Social Science History Association. “Climate Knowledge as a Practice of Government: Meteorology, Climate Change and State Formation.” (Baltimore, MD, November 14)
- 2014 Social Science History Association. “Making Waves: WWII, the Cold War and the Origins of a Climate-Science Field.” (Toronto, ON, November 9)

MEDIA ENGAGEMENT (Recent)

American Meteorological Society Food Security Committee Podcast Series, *Food Security 2022*, Episode: "Early Warning Systems and Food Security in the Arctic" (January 2022, available on [Google](#) and [Apple](#) Podcasts).

Expert perspective was provided in support of an article on Google’s climate change visualization program, published in May 2021 in [Lifewire](#).

Op-ed (with Jamie Pietruska) in October 2019 in *The Washington Post* based on research in the history of meteorology.

In 2018 and 2019 I have engaged KCBS-Sacramento Radio, [NewsDeeply](#), [The Confluence](#), and other outlets, regarding my research on climate change and water resource management in California.

Work in Southeast Utah was featured in 2019 on public radio and a podcast by [KZMU/Science Moab](#).

Research in the Aleutian Islands has been featured on [KUCB](#) and KUHB public radio.

INVITED TALKS (Recent)

- Geography, Environment and Planning Research Colloquium, Sonoma State University (April 25, 2022)

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- Brown Bag Lecture Series, Sonoma State University School of Social Sciences (April 4, 2022).
 - National Weather Service Alaska Region (February 8, 2021, Anchorage, AK)
 - Ocean Prediction Center (January 26, 2021, Silver Springs, MD)
 - Interagency Arctic Research Policy Committee (IARPC) (January 12, 2021, Fairbanks, AK)

AWARDS, GRANTS, AND FELLOWSHIPS

2021	Sonoma State University School of Social Sciences, Dean's Summer 2021 Research Grant (\$1,000)
2017-18	UC Davis Graduate Studies, Provost's Dissertation Year Fellowship Award (\$43,146)
2017-18	American Alpine Club, AAC Research Grant (\$1,500)
2016	UC Davis Institute for Social Sciences, Dissertation Research Grant (\$3,000)
2015, 2016	UC Davis Department of Sociology, Dissertation Research Fellowships (\$12,852 total)
2015, 2016	Social Science History Association, Charles C. Tilly Award (\$600 total)
2015, 2016	UC Davis Department of Sociology, Summer Research Grant (\$6,000)
2015	History of Science Society, Travel and Support Grants (\$300)
2014	UC Davis Graduate Studies, International Travel Grant (\$1,000)
2014	UC Davis Department of Sociology, Small Grant for Research (\$600)
2013-17	UC Davis Department of Sociology, Travel Grants (\$400-\$1,200 annually)

ACADEMIC, PROFESSIONAL AND COMMUNITY SERVICE

Departmental Service at Sonoma State University

2020-present	Sociology Undergraduate Student Advisor
2021	Department of Sociology, Graduation Committee
2020-present	Department of Sociology, Curriculum Committee

School of Social Sciences Service at Sonoma State University

2022	Co-Director, School of Social Sciences Student Action Research Symposium
2021	Co-Moderator and Discussant, Social Justice Week Student Action Symposium

2020- present School of Social Sciences, Undergraduate Research Committee

Professional Service

Professional Membership and Affiliation:

American Sociological Association [current]

Social Science History Association [current]

American Meteorological Society [current]

Society for the Social Studies of Science [past]

American Geophysical Union [past]

Referee, on occasion, with the following journals: *American Journal of Sociology*; *Environmental Sociology*; *Sociological Forum*; *Climatic Change*; *History of Education Quarterly*; *Weather, Climate & Society*

2016- present Network Representative, Social Science History Association (Education/Knowledge/Science Network; Conference planner and Organizer and Chair of many panels).

2021- present Area Representative (Arctic Region), *International Commission for the History of Meteorology*

2018 Organizer, Panel: “Climate, Science, and Empire: Bridging Historical and Current Developments.” Society for Social Studies of Science (4S) Annual Meeting

2018 Organizer, Comparative-Historical Sociology Section Roundtable Sessions, American Sociological Association Annual Meeting

2017-18 Co-Chair, Power & Inequality Workshop, UC Davis, Department of Sociology

2015-2019 Social Transformations Research Cluster, UC Davis, Department of Sociology, Graduate Student Organizer

2016-17 Colloquium Committee, UC Davis, Department of Sociology

2017-2019 Mentor, Graduate Student Mentorship Program, UC Davis, Department of Sociology

2017 Workshop Committee, Policy Institute for Energy, Economy, and the Environment. Regional Drought Preparedness and Climate-Change Adaptation in Drinking Water Management (Modesto, Lakeport, and Salinas, CA)

2017 Chair, Social Science History Association Annual Meeting, Panel Session: “The Implications of Aaron Panofsky’s *Misbehaving Science*”

2017 Organizer, Social Science History Association Annual Meeting, Panel Session: “Race in the Formation of U.S. Education Policy”

- 2016 Faculty Search Committee, UC Davis, Department of Sociology
- 2015, Program Committee, UC Davis, Department of Sociology Research Development
2014 Conference, Co-Chair
- 2015 Organizer, UC Davis, Department of Sociology Graduate Program, Practicum on
Historical Sociological Research
- 2018, Social Chair, UC Davis Graduate Sociology Student Association
2012-14

Public/Community Service Positions

- 2020- School Site Council Secretary, Kawana Springs Elementary School (Santa Rosa, CA)
present
- 2017 Workshop Committee, Policy Institute for Energy, Economy, and the Environment.
Regional Drought Preparedness and Climate-Change Adaptation in Drinking Water
Management (Modesto, Lakeport, and Salinas, CA)
- 2015 Coordinator and Discussant, “*Laudato si: Religious Engagement with Climate Justice,*”
Davis Community Church Lenten Book Study (Davis, CA)
- 2011 Program Coordinator, Kashia Indian Reservation GED Program (Stewarts Point, CA)
- 2011 Associate Coordinator, Career and Educational Services, Federated Indians of Graton
Rancheria/Tribal TANF of Sonoma and Marin (Rohnert Park, CA)
- 2009- Environmental Justice Research Assistant, People for Community Recovery (Chicago,
10 IL)

PAST RESEARCH APPOINTMENTS

- 2019- Postdoctoral Researcher and Principal Investigator, *National Weather Service-Alaska*
2020
Funded by the National Oceanic and Atmospheric Administration (in partnership with
the University of Oklahoma Cooperative Institute for Mesoscale Meteorological
Studies), “Improving Decision Support for Marine Communities in the Bering Sea
Region.”
- 2018- Co-Principal Investigator (with Dr. Stephen Fick, *CU-Boulder/US Geological Survey*)
2020
Funded by the American Alpine Club, “A Political Ecology of Indian Creek, UT:
Bridging Access and Impacts in a Multi-use Landscape.”
- 2016- Graduate Student Researcher, *UC Davis Policy Institute for Energy, Environment and*
2018 *the Economy.*

Funded by US EPA (#83519401, PIs Julia Ekstrom and Louise Bedsworth), “Integrating
Information from Climate Scientists and Resource Managers: Informing Preparedness
and Adaptation to Extreme Event Impacts on Air and Water Quality in California”; and

California Dept. of Natural Resources (PIs Julia Ekstrom, Mark Lubell), “Drought Planning and Climate Adaptation of Small Self-Sufficient Water Utilities in California.”