

## Michael Lengefeld

### Curriculum Vitae

Department of Sociology & Anthropology  
Northeastern University

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### EDUCATION

- 2018                    **Ph.D., Sociology**, Washington State University.  
Committee: Gregory Hooks, Thomas Rotolo, Chad Smith, Emily Kennedy,  
Jennifer Sherman
- 2011                    **M.A., Sociology**, Texas State University.
- 2008                    **B.S., Applied Sociology**, Texas State University.

### ACADEMIC APPOINTMENTS

- 2024 – Present      **Postdoctoral Research Associate**, Social Science and Environmental Health  
Research Institute, Northeastern University
- 2022-2024          **Assistant Professor** of Sociology, Bemidji State University
- 2021-22              **Instructor**, Department of Sociology, Widener University
- 2019-21              **Visiting Assistant Professor** of Environmental Sociology, Goucher College
- 2018- 19              **Instructor**, Arts and Human Sciences Department, Williston State College
- 2018                   **Instructor**, Department of Sociology and Criminology, Gonzaga University
- 2012- 18              **Instructor**, Department of Sociology, Washington State University
- 2009- 11              **Teaching Assistant**, Department of Sociology, Texas State University

### RESEARCH & TEACHING INTERESTS

Environmental sociology  
Environmental health  
Political sociology  
Sociological theory  
Quantitative and qualitative methods  
Science and Technology Studies  
Sport and Society

### REFEREED JOURNAL ARTICLES

\* = Graduate student co-author; \*\* = Undergraduate student co-author

Garrett, Kimberly, Vic Say\*, Sam Ciaranca, Phil Brown, Emily Haberlack\*, Caroline Hopkins\*\*,  
**Michael Lengefeld**, Alissa Cordner. Forthcoming. 2025. "The Landscape of PFAS  
Contamination in the United States: Sources and Spatial Patterns." *Environmental  
Science & Technology*.

- Lengefeld, Michael**, and Thomas Rotolo. 2025. "'All Sports Carry Risks': NFL, Media, and the Framing of the Youth Sports Concussion Crisis." *Sport in Society*: 1-23.
- Smith, Chad L., Gregory Hooks, and **Michael Lengefeld**. 2024. "Linking the Treadmills of Production and Destruction to Disproportionate Carbon Emissions." *NPJ Climate Action* 3(1):72-11.
- Hooks, Greg, and **Michael Lengefeld**. 2022. "Blowback from Nativism and Racism: ICE Facilities, Riskscapes and Community Transmission of COVID-19." *Environmental Justice* 15(1):39.
- Hooks, Greg, **Michael R. Lengefeld**, and Chad L. Smith. 2021. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." *Sociology of Development* 7(1):52-76.
- Lengefeld, Michael**. 2020. "Nuclear Weapons and the Treadmill of Destruction in the Making of the Anthropocene." *Journal of World-Systems Research* 26(2): 203-230.
- Smith, Chad L., Gregory Hooks, and **Michael Lengefeld**. 2020. "Treadmills of Production and Destruction in the Anthropocene: Gold Mining in Bolivia, Colombia, and Peru." *Journal of World-Systems Research* 26(2): 231-262.
- Rotolo, Thomas, and **Michael R. Lengefeld**. 2020. "Clearing the Cobwebs: The Reframing of Youth Concussions as a Health Crisis." *Social Science & Medicine*, (265) November.
- Smith, Chad, and **Michael Lengefeld**. 2019. "The Environmental Consequences of Asymmetric War: A Panel Study of Militarism and Carbon Emissions, 2000-2010." *Armed Forces and Society*.
- Smith, Chad L., Greg Hooks, and **Michael Lengefeld**. 2014. "The War on Drugs in Colombia: The Environment, the Treadmill of Destruction and Risk-Transfer Militarism." *Journal of World-Systems Research* 20(2): 185-206.
- Lengefeld, Michael**, and Chad L. Smith. 2013. "Nuclear Shadows: Weighing the Environmental Effects of Militarism, Capitalism, and Modernization in a Global Context, 2001-2007." *Human Ecology Review* 20(1):11-25.

#### **REFEREED CHAPTERS**

- Lengefeld, Michael**, Greg Hooks, and Chad Smith. 2022. "War and the Environment." *The Handbook of Environmental Sociology* coedited by Beth Caniglia, Andrew Jorgenson, Stephanie Malin, Lori Peek, and David Pellow.

#### **OTHER BOOK CHAPTERS**

- Lengefeld, Michael**, Greg Hooks, and Chad Smith. 2024. "The Treadmill of Destruction." *Encyclopedia of Environmental Sociology*, edited by Christine Overdevest. Edward Elgar.

#### **BOOKS AND MANUSCRIPTS IN PREPARATION**

\*\* = Undergraduate student co-author

**Lengefeld, Michael**, Alissa Cordner, Phil Brown, Grace Poudrier, and Kimberly Garrett. 2025. "Treadmills, Unseen Military Science, and the Inertia of 'Forever Chemicals'."

**Lengefeld, Michael**, Alissa Cordner, Phil Brown, Caroline Hopkins\*\*. 2025. "The Alchemy of Anti-reflexivity: The Countermovement to Undermine PFAS Science and Policy."

Hooks, Greg, Chad L. Smith, and **Michael R. Lengefeld**. 2025. *The Treadmill of Destruction: The Ecological Calamity of War*. Prospectus and several completed draft chapters to be submitted in 4<sup>th</sup> quarter of 2025.

**Lengefeld, Michael**. *The Destroyer of Worlds: Social and Environmental Legacies of Nuclear Warmaking from the Manhattan Project to the New Cold War*. Prospectus and two completed draft chapters to be submitted in 4<sup>th</sup> quarter of 2025.

Torelli, Julian, and **Michael Lengefeld**. 2025. "Dead Earth: Genocide-Ecocide Nexus in the Indonesian Invasion and Occupation of East Timor (1975-1999)." Fully written, to be submitted to *Environmental Sociology*.

Hooks, Greg, **Michael Lengefeld**, and Julian Torelli. 2025. "Ukraine, NGOs, and Twitter: Imperial Tentacles and the Framing of Tweets." Final stages of preparation, to be submitted to *Social Movement Studies*.

## **OTHER PUBLICATIONS**

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**Lengefeld, Michael**. 2025. "Data Democracy: An Interview with Environmental Sociologists on the Environmental Data and Governance Initiative." *American Sociological Association, Environmental Sociology Newsletter*, Spring.

**Lengefeld, Michael**, Greg Hooks, and Chad Smith. 2020. "Social Science Contributions to the Study of Zoonotic Spillover: Normal Accidents and Treadmill Theory." *This View of Life (TVOL)*.

## **HONORS, RESEARCH FUNDING ACTIVITY, AND SUPPORT**

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2024-26	Ruth L. Kirschstein National Research Service Award, National Institutes of Environmental Health Sciences (T32). (\$147,087)
2023	Professional Improvement Grant, Bemidji State University. (\$1,200).
2023	Sociology IFO Faculty Travel & Research Grant, Bemidji State University. (\$1,500)
2023	Faculty Service-Learning Fellow, Bemidji State University. (\$1,500).
2017	Arnold and Julia Greenwell Memorial Scholarship for Social Sciences and Humanities, Washington State University Graduate School (\$1,000).
2016	Susan & Sarah Dolan Memorial Scholarship, Washington State University (\$1,000).
2015	Yoder Memorial Graduate Fellowship, Washington State University (\$500).
2014	Thomas S. Foley Fellowship, Foley Institute for Public Policy (\$1,500).

- 2012-18 Graduate Teaching Assistantship, Sociology, Washington State University.
- 2010-11 Graduate Teaching Assistantship, Sociology, Texas State University.

### **CONFERENCE PRESENTATIONS**

- 2025 **Lengefeld, Michael.** "Strategic Countermovement Efforts to Undermine PFAS Science, Policy, and Public Health." Understanding PFAS Contamination: Spatial analysis, activism, and health and toxicity data. American Public Health Association Conference, November. Washington, DC.
- 2025 **Lengefeld, Michael,** Alissa Cordner, Phil Brown, Grace Poudrier, and Kimberly Garrett. "Treadmills, Unseen Military Science, and the Inertia of 'Forever Chemicals'." American Sociological Association Conference, August. Chicago, IL.
- 2025 **Lengefeld, Michael,** Alissa Cordner, Phil Brown, Caroline Hopkins. "The Alchemy of Anti-reflexivity: The Countermovement to Undermine PFAS Science and Policy." American Sociological Association Conference, August. Chicago, IL.
- 2024 **Lengefeld, Michael,** Gregory Hooks, and Chad Smith. "The Treadmill of Destruction and Nuclear Weapons Risksapes." American Sociological Association Conference, August. Montreal, Quebec.
- 2023 Smith, Chad, Greg Hooks, and **Michael Lengefeld.** "A Case-Oriented Analysis of Climate Change Drivers: The Role of the Treadmills of Production and Destruction." American Sociological Association Conference, August. Philadelphia, PA.
- 2023 Hooks, Greg, **Michael Lengefeld,** and Julian Torelli. "Ukraine, NGOs, and Twitter: Imperial Tentacles and the Framing of Tweets." War and Society Conference, ASA Section on Peace, War and Social Conflict, August. Philadelphia, PA.
- 2023 **Lengefeld, Michael,** Lukas Szrot, Jozie Nummi, Rucha Ambikar. "Cultivating empathy and building community in the classroom: Comparing approaches." Midwest Sociological Society annual conference, March. Minneapolis, MN.
- 2022 **Lengefeld, Michael.** "Callous cruelty and blow back: ICE facilities, risksapes and community transmission of COVID-19." Honors Council Lecture, Bemidji State University, November. Bemidji, MN.
- 2022 **Lengefeld, Michael.** 8th Annual University of Maryland Symposium on Environmental Justice and Health Disparities. Session on Black Lives Matter and Environmental Justice. College Park, MD (virtual).
- 2021 **Lengefeld, Michael.** "Evolutionary Science & Sociology: A New Beginning." *TVOL* (virtual)
- 2020 **Lengefeld, Michael,** Gregory Hooks, and Chad Smith. "The Double Diversion and the Treadmill of Destruction: National Sacrifice and National Security in Cold War." American Sociological Association Conference. San Francisco (virtual).

- 2019 Hooks, Gregory, **Michael Lengefeld**, and Chad Smith. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." American Sociological Association Conference. New York.
- 2017 Hooks, Gregory, **Michael Lengefeld**, and Chad Smith. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." Sociology of Development Conference, October. Wayne State University, Detroit.
- 2017 Hooks, Gregory, **Michael Lengefeld**, and Chad Smith. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." American Sociological Association Conference. Montreal, Canada.
- 2016 **Lengefeld, Michael**. "Treadmills and Unsustainable Development: Illegal Commodity Chains, Militarism, and Deforestation in the Andean Region," Society for the Study of Social Problems Conference, Seattle.
- 2013 Smith, Chad, Gregory Hooks, and **Michael Lengefeld**. "Drones, the Treadmill of Destruction and Risk-Transfer Militarism in the Global South." Sociology of Development Conference, October. University of Utah, Salt Lake City.

## **TEACHING EXPERIENCE**

### ***Bemidji State University***

Sociological Theory (In-person/Asynchronous Online)  
 Environmental Sociology (Asynchronous Online)  
 Sociology of Health and Medicine (Asynchronous Online)  
 Sociology of the Family (Asynchronous Online)  
 Social Class and Inequality (Asynchronous Online)  
 Sociology of the Family (Asynchronous Online)  
 Race and Ethnicity (Asynchronous Online)  
 Qualitative Methods (Asynchronous Online)

### ***Widener University***

Social Problems (Asynchronous Online)  
 Sociology of the Family (Asynchronous Online)  
 Introduction to Sociology (Synchronous/Asynchronous Online)

### ***Goucher College***

Senior Capstone in Environmental Studies (Synchronous Online)  
 Environmental Sociology (In-person)  
 Environmental Statistics and Analysis (In-person)  
 Introduction to Environmental Studies (In-person, Goucher Prison Education Project)  
 Writing and Interpreting Social Life (Synchronous Online)  
 Qualitative Research Methods (Synchronous Online)  
 Development, Justice, and Social Change (In-person)

### ***Gonzaga University***

Environmental Sociology (In-person)

### ***Williston State College***

Cultural Diversity (Asynchronous Online)

Family (Asynchronous Online)

Social Problems (Asynchronous Online)

Introduction to Sociology (Asynchronous Online)

### ***Washington State University***

Quantitative Techniques (In-person, Teaching Assistant, Dr. Justin Denney, Dr. Tom Rotolo)

Environmental Sociology (In-person, Teaching Assistant, Dr. Emily Kennedy)

Sociology of Film (Asynchronous Online)

Introduction to Social Research (In-person)

Social Problems (In-person, Asynchronous Online)

Introduction to Sociology (In-person, Teaching Assistant, Dr. Lisa McIntyre)

### ***Texas State University***

Sociology of Race & Ethnicity (In-person; Teaching Assistant, Dr. Gloria Martinez)

Introduction to Sociology (In-person, Teaching Assistant, Dr. Tony Vigorito)

Drugs and Society (In-person, Teaching Assistant, Dr. Tony Vigorito)

Introduction to Sociology (In-person, Teaching Assistant, Dr. Tony Vigorito)

Social Problems (In-person, Teaching Assistant, Ms. Gayle Bouzard)

### **TECHNOLOGICAL SKILLS**

Software: R, STATA, SPSS, ArcGIS/QGIS, HTML5, Microsoft Office (Word, Excel, Powerpoint)

Learning Management Systems: Blackboard, D2L, Canvas, Starfish, Navigate

### **PROFESSIONAL DEVELOPMENT**

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2025 “Science writing & communication.” T32 Training, Alex Goho, Silent Spring Institute.

2024 “Exposure Science.” T32 Training, Dr. Robin Dodson, Silent Spring Institute.

2023 “Empathy by Design.” D2L Online Course Design Certification.

2022 “D2L: Improving Instructor to Student Interaction.” Online Course Design Certification.

2022 “Beyond War Ecologies: Green Ways Forward for Ukraine.” Stockholm International Peace Research Institute, Webinar.

### **PROFESSIONAL AFFILIATIONS**

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2024-25 ***American Public Health Association***

2024-25 Conflict and Environment Observatory (CEAN)

2012-25 ***American Sociological Association***

Section on Environmental Sociology

## **MEDIA COVERAGE**

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Englund, Molly. 2021. "Q & A with **Michael Lengefeld**." *Goucher Magazine*.

**Lengefeld, Michael**, Greg Hooks, and Chad L. Smith. 2020. Feature article "Social Science Contributions to the Study of Zoonotic Spillover: Normal Accidents and Treadmill Theory". *American Sociological Association, Section on Environmental Sociology, Fall 2020 Newsletter*.

**Lengefeld, Michael**. (Performer, radio) 2020, December 7. "Concussion and youth sports" in Davis, M. (Host) *Morning News with Mike Davis*. 790 KGMI Radio.

Preidt, Robert. 2020, December 3. "Football-loving States Drop the Ball on Concussion: Study." *U.S. News and World Report*. <https://www.usnews.com/news/health-news/articles/2020-12-03/football-loving-states-drop-the-ball-on-concussion-study>

Zaske, Sara. 2020, December 1. "Football-loving states slow to enact youth concussion laws." *WSU Insider: Washington State University*. Lake City.

## **ADMINISTRATIVE, ACADEMIC, AND COMMUNITY SERVICE**

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### **American Sociological Association**

2022-26 Environmental Sociology Section, Digital Communications Co-chair, Webmaster.

2025 Environmental Sociology Section, Sub-committee, Panel Reviewer.

### **Academic Service**

2016-23 Ad-Hoc Referee: *Social Forces; Energy Research and Social Science; Sociology of Development; Human Ecology Review*.

2021 IPCC Working Group III, Contribution to the IPCC Sixth Assessment Report.

### **Bemidji State University**

2023 Contributor to the Center for Professional Development video series: "Diversity, Equity, and Inclusion Concept Chat Series: Environmental Justice."

2023 Report author: "Pathways to Success: Bemidji State University, Labor Market Trends, and Student Career Pathways."

2022-23 Environmental Advisory Council.

2022-23 Selection Committee for the Undergraduate Sustainable Campus Research and Community Engagement Award.

2022 Recruitment, Sociology and Communication Department.

2022 United Way, Backpack Buddies Community Food Insecurity Program.

### **Goucher College**

2020 Instructor, Goucher Prison Education Project (GPEP).

2020 Assessment, Sociology and Anthropology Writing Proficiency Evaluation.

2020 Assessment, Environmental Studies Capstone.

### **Gonzaga University**

2018 Invited Presentation, "Violence, Food, Water."

2018           Invited Presentation, "GIS and Socio-spatial Analysis."

***Washington State University***

2018           Representative, Palouse-Clearwater Food Coalition Food Summit.

2016-17       Assessment Evaluator - Statistics and Capstone Courses.

2015-16       Recruitment, Sociology Department.

2015-17       Co-Founder-Organizer, Food Recovery Network, WSU, Pullman.