

## CURRICULUM VITAE

**Rhian Stotts**

January 2020

### **Address**

School of Human Evolution  
& Social Change  
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### **Education**

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- 2018 Certificate in Effective College Instruction, Association of College and University Educators
- 2016 Ph.D, Anthropology (Sociocultural), Arizona State University  
Dissertation: Cross-Cultural Threats to Water Supplies and Future Approaches to Water Management
- 2009 M.A., Anthropology (Archaeology), Arizona State University
- 2007 B.A., Archaeology and Classical Studies, The College of Wooster, Summa cum Laude  
Senior Independent Study: Household Archaeology and the East Field at Isthmia, Greece: Interpreting Domestic Space at a Ritual Center

### **Research Interests**

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Cultural Anthropology, Environmental/Ecological Anthropology, Economic Anthropology, Sustainability, Water Scarcity and Solutions, Wastewater Reclamation and Reuse, Anthropological Methods, Teaching Technologies

### **Grants Received**

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- 2017 Mixed-Methods Analysis of Refueling Infrastructure Preferences for Adopting Fuel-Cell Vehicles, National Science Foundation – Geography (\$275,000)
- 2015, 2012, 2011, 2009 Conference Travel Grant, Graduate & Professional Student Association, Arizona State University
- 2011 Conference Travel Grant, Graduate College, Arizona State University
- Conference Travel Grant, School of Human Evolution and Social Change, Arizona State University
- 2008 Platt Excavation Fellowship, American Schools of Oriental Research

### **Fellowships and Scholarships**

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- 2007-2012 University Graduate Fellowship, Arizona State University

### **Honors and Awards**

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- 2016 Best Student Poster, Social Sciences, American Association for the Advancement of Science Annual Meeting
- 2013 Founder's Award, Graduate and Professional Student Association, Arizona State University
- 2011 Graduate Student Service Award, Graduate and Professional Student Association, Arizona State University
- 2010 Shon Zelman Student Advocacy Award, Graduate and Professional Student Association, Arizona State University
- 2008 National Science Foundation Graduate Research Fellowship Program Honorable Mention
- 2007 Vivian L. Holliday Award for Best Independent Study in Archaeology, Classical Studies, or History, The College of Wooster
- 2006 Phi Beta Kappa

Publications (\* indicates peer review)

- Submitted\* Hydrogen Refueling Station Consideration in California: How Driving Experience Matters. Under review at *Transportation Research Record*. A. Krafft, S. Kelley, M. Kuby, O. Lopez Jaramillo, **R. Stotts**.
- Submitted\* Hydrogen Fuel Cell Vehicle Drivers and Future Station Planning: Lessons from a Mixed-Methods Approach. Under review at *Johnson Matthew Technology Review*. S. Kelley, M. Kuby, O. Lopez Jaramillo, **R. Stotts**, A. Krafft.
- 2019\* Content Analysis of Interviews with Hydrogen Fuel Cell Drivers in Los Angeles. In *Transportation Research Record*. O.G. Lopez Jaramillo, **R. Stotts**, S. Kelley, and M. Kuby. 2673(9): 377-388.
- 2019\* Cross-cultural Knowledge and Acceptance of Wastewater Reclamation and Reuse Processes across Select Sites. In *Human Organization*. **R. Stotts**, J. Rice, A. Wutich, D. White, J. Maupin, A. Brewis. 78(4): 311-324.
- 2018\* Motivators for Treated Wastewater Acceptance Across Developed and Developing Contexts. In *Journal of Water Sanitation and Hygiene for Development*. J. Rice, **R. Stotts**, A. Wutich, D. White, J. Maupin, A. Brewis. 9(1):1-6. DOI: 10.2166/washdev.2018.285
- 2018\* Does Ecosystem Services Valuation Reflect Local Cultural Valuation? Comparative Analysis of Resident Perspectives in Four Major Urban River Ecosystems. In *Economic Anthropology*. M. du Bray, **R. Stotts**, M. Beresford, A. Wutich, A. Brewis. DOI:10.1002/sea2.12128
- 2016\* Ecosystem Services and Disservices for a Vulnerable Population: Findings From Urban Waterways and Wetlands in an American Desert City. *Human Ecology*. M. Palta, M. du Bray, **R. Stotts**, A. Wolf, A. Wutich. DOI: 10.1007/s10745-016-9843-8.
- 2016\* Cross-Cultural Perceptions of Water Risks and Solutions Across Select Sites. *Society & Natural Resources*. K. Larson, **R. Stotts**, A. Wutich, A. Brewis, and D. White. DOI: 10.1080/08941920.2015.1122132.
- 2016\* Are Mixed Economies Persistent or Transitional? Evidence Using Social Networks from Arctic Alaska. In *American Anthropologist*. S. BurnSilver, J. Magdanz, **R. Stotts**, G. Kofinas, and M. Berman. 118(1): 121-129.
- 2013 Fairness and the Human Right to Water: A Preliminary Cross-Cultural Theory. In *The Social Life of Water*, edited by John Wagner. A. Wutich, A. Brewis, S. Sigurddson, **R. Stotts**, and A. York.
- 2012\* Rules, Norms, and Injustice: A Cross-Cultural Study of Perceptions of Justice in Water Institutions. In *Society & Natural Resources*. A. Wutich, A. Brewis, A. York, and **R. Stotts**. DOI: 10.1080/08941920.2012.723302.
- 2012\* Shared Cultural Norms for Justice in Water Institutions: Results from Fiji, Ecuador, Paraguay, New Zealand, and the U.S. In *Journal of Environmental Management*. A. Wutich, A. York, A. Brewis, **R. Stotts**, and C. Roberts. 113: 370-376.
- 2011 Transdisciplinary Anthropology at Arizona State: The School of Human Evolution and Social Change. In *Anthropology News* 52(5): 21. A. Brewis, C. Roberts, **R. Stotts**, and A. Wutich.

2010 Archaeological and Landscape Studies at Politiko-Troullia, 2004-2009. In *Report of the Department of Antiquities Cyprus*. S. Falconer, P. Fall, Z. Chovanec, W. Crist, J. Czarsasty, J. Klinge, M. Metzger, C. Papalas, S. Rempel, T. Schirmang, **R. Stotts**, and L. Swantek.

### **Teaching Experience**

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2017-present Lecturer, School of Human Evolution and Social Change, Arizona State University  
2016-2017 Instructor, School of Human Evolution and Social Change, Arizona State University

#### Courses Taught:

ASB 100: Introduction to Global Health  
ASB 102: Culture in a Globalizing World/Introduction to Cultural Anthropology  
ASB 191: First-Year Seminar

ASB 300: Food and Culture  
ASB 305: Poverty and Global Health  
ASB 370: Ethics of Eating  
ASB 380: Language, Culture, & Gender  
ASM 414: Urban and Environmental Health  
ASB 455: Research Methods

#### Student Supervision:

Elijah Olivas, B.A. in Anthropology, Honors Thesis Committee Member, Graduation: 2017  
Post-graduation: Master of Public Health student at University of Iowa  
Jessica Micksch, B.S. in Chemical Engineering, Honors Thesis Director, Graduation: 2019  
Post-graduation:  
Susanna Rantanen, Honors Thesis Committee Member, Graduation: 2019  
Post-graduation: Masters student in Environmental and Resource Management at Arizona State University  
Subhiksha Murugesh, Honors Thesis Director, Expected Graduation: 2020

### **Research and Professional Experience**

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2017 Faculty Associate, Mixed-Methods Analysis of Refueling Infrastructure Preferences for Adopting Fuel-Cell Vehicles

2015-2016 Research Associate, Decision Center for a Desert City, D. White and A. Wutich, dirs. Conducted analysis of water policy and decision-makers in Phoenix, AZ, Denver, CO, and Las Vegas.

2013-2015 Lab Manager, Culture, Health, and Environment Lab, A. Brewis and A. Wutich, dirs. Instructed and mentored undergraduate interns and oversaw research projects of graduate students related to the Global Ethnohydrology Survey and other lab research projects.

2013 Research Associate, Obesity Solutions. Preparing course material for an online course on obesity with ASU Online and the Mayo Clinic.

2012 Field Supervisor, Kourion Urban Space Project, T. Davis, dir. Instructed and mentored graduate students in excavation methods. 2 months.

2011-2013 Research Associate, Subsistence Sharing Network Project, S. Burnsilver, dir. Social Network Analysis, vulnerability, mixed economy, SPSS syntax coding.

2010-2011 Research Associate, South Phoenix Collaborative, Global Ethnohydrology Survey, Fat Stigma, and School of Human Evolution and Social Change Social Network Analysis, Arizona State University, A. Brewis and A. Wutich, dir. Social network analysis,

qualitative data coding, survey development, text analysis, food security and sharing, and water justice research.

- 2008-2010 Ceramic Analyst and Field School Supervisor, Bronze Age Rural Ecology and Landscape Formation at Politiko-*Troullia*, Arizona State University. S. Falconer and P. Fall, dir. Cyprus, excavation, laboratory processing and analysis, instructed and mentored undergraduate students. 2 months/year.
- 2009 Field Assistant, Archaeological Consulting Services, contracted out to Gila River Indian Community. Brenda Randolph dir. Coolidge, AZ, trench profiling, mapping, excavation. 1 month.
- 2008 Field Assistant, EcoPlan Associates. D. Sorrell and T. Gentilli dir. Cordes Junction, AZ, excavation, trench profiling, mapping. 2 months.
- 2006 Student Researcher, Wayne County Cemetery Preservation Society, P. Kardulias dir. Northwest OH, magnetometry survey, cemetery mapping, genealogical and land deed research. 3 months.
- 2005 Field School Participant, Arizona State University Ohio Hopewell Craft Production Project, Seip Earthworks. K. Spielmann, dir. Hopewell, excavation, laboratory processing and analysis. 2 months.
- 2003 Student Participant, The Ohio State University Excavations at Isthmia, Greece, T. Gregory, dir. Library research, Roman Bath excavation, survey, Venetian fortress mapping. 2 months.

## **Presentations**

### Conference Papers

- 2020 Predicting Hydrogen Fuel Cell Vehicle Purchases: Ethnographic Decision Tree Modeling of Purchasing Decisions in California. Paper to be presented at the 80<sup>th</sup> Annual Meeting of the Society for Applied Anthropology, March 17-21, Albuquerque, NM. **R. Stotts**, O. Lopez, M. Kuby, S. Kelley, A. Krafft
- 2018 Environmental Valuations and Ecosystem Services: Top-Down versus Bottom-Up Derivations of Environmental Values. Paper presented at the 78<sup>th</sup> Annual Meeting of the Society for Applied Anthropology, April 3-7, Philadelphia, PA. **R. Stotts**, M. du Bray, A. Wutich, and A. Brewis.
- 2016 Cross-Cultural Perceptions of Water Risks and Solutions: Results from Bolivia, Fiji, New Zealand, and the U.S. Paper presented at the 76<sup>th</sup> Annual Meeting of the Society for Applied Anthropology, March 29-April 2, Vancouver, BC, Canada. **R. Stotts**, K. Larson, A. Wutich, A. Brewis, and D. White.
- 2015 Cross-Cultural Perceptions of Wastewater Treatment and Reuse. Paper presented at the 75<sup>th</sup> Annual Meeting of the Society for Applied Anthropology, March 24-28, 2015, Pittsburgh, PA. **R. Stotts**, M. du Bray, A. Wutich, and A. Brewis.
- 2015 Can Ecosystem Services Do More Harm Than Good for Vulnerable Populations? Paper presented at the 75<sup>th</sup> Annual Meeting of the Society for Applied Anthropology, March 24-28, 2015, Pittsburgh, PA. M. du Bray, M. Palta, **R. Stotts**, A. Wutich.
- 2013 Quantifying Food Flows: Evaluating the effects of social networks on subsistence food distribution. Paper presented at the 112<sup>th</sup> Annual Meeting of the American Anthropological Association, November 20-24, 2013, Chicago, IL. J. Magdanz, S. Burnsilver, **R. Stotts**, G. Kofinas.

- 2012 Testing the Application of Adaptive Governance of Common Pool Resources: An Archaeological Perspective. Paper presented at the CUNY Human Ecodynamics Research Center 2012 Open Workshop in Sustainability Science and Education, October 15, 2012, New York City, NY. A. Torvinen, G. Snitker and **R. Stotts**.
- 2011 Changes in Households through the Urbanization Process: The Case of Bronze Age Cyprus. Paper presented at the 2011 Annual Meeting of the American Schools of Oriental Research, November 16-19, San Francisco, California.
- 2011 Storage Behavior in the Mediterranean: An Ethnoarchaeological Approach. Paper presented at the 76<sup>th</sup> Annual Meeting of the Society for American Archaeology, March 30-April 3, 2011, Sacramento, California.
- 2011 Fairness and the Human Right to Water: A Preliminary Cross-Cultural Theory. Paper presented at Resilience 2011: Second International Science and Policy Conference, March 11-16, Tempe, Arizona. A. Wutich, A. Brewis, S. Sigurdsson, **R. Stotts**, and A. York.
- 2010 Scale and Complexity in Contemporary Middle Eastern Villages. Paper presented at the 2010 American Schools of Oriental Research Pacific Southwest Regional Meeting, March 14, Tempe, Arizona
- 2009 Mapping Trade in Cyprus: GIS Applications in the Late Bronze Age. Paper presented at the 2009 Annual Meeting of the American Schools of Oriental Research, November 19-21, New Orleans, Louisiana.

#### Conference Posters

- 2019 Content Analysis of Interview with Hydrogen Fuel Cell Vehicle Drivers in Los Angeles. Poster presented at the 2019 Transportation Research Board Annual Meeting. January 13-17, Washington, D.C. O. Lopez, **R. Stotts**, S. Kelley, M. Kubly
- 2018 Environmental Valuations and Ecosystem Services: Top-Down versus Bottom-Up Derivations of Environmental Values. Poster presented at the 2018 Society for Economic Anthropology Annual Meeting: Water and Economy. March 1-3, Tempe, AZ. **R. Stotts**, M. du Bray, A. Wutich, and A. Brewis.
- 2017 Solutions for Urban Water Sustainability Transitions: Comparison of Cities Dependent on Water from the Colorado River. Poster presented at the CAP LTER 19<sup>th</sup> Annual All Scientists Meeting. January 2017, Scottsdale, AZ. D. Chipman, **R. Stotts**, C. Till, K. Larson, A. Wutich, and D. White.
- 2016 The Emotional Geographies of Climate Change in Three U.S. Contexts. Poster presented at the American Association for the Advancement of Science Annual Meeting, February 16-20, Washington, DC. **R. Stotts**, M. du Bray, A. Wutich, and A. Brewis.
- 2016 Cross-Cultural Perceptions of Health Implications from Wastewater Reuse. Poster presented at the American Association for the Advancement of Science Annual Meeting, February 16-20, Washington, DC. S. Patel, J. Rice, **R. Stotts**, A. Wutich, and A. Brewis.
- 2016 Hope, Fear, and Worry: Emotional Geographies of Communities Affected by Climate Change. Poster presented at the CAP LTER 18<sup>th</sup> Annual All Scientists Meeting. January 2015, Scottsdale, AZ. M. du Bray, **R. Stotts**, A. Wutich, and A. Brewis.
- 2016 Cross-Cultural Perceptions of Health Implications from Wastewater Reuse in Fiji, Guatemala, New Zealand, and Spain: Results of the 2013 Global Ethnohydrology Study. Poster presented at the CAP LTER 18<sup>th</sup> Annual All Scientists Meeting. January 2016, Scottsdale, AZ. S. Patel, J. Rice, **R. Stotts**, A. Wutich, and A. Brewis.

- 2016 Urban “Accidental” Wetlands Mediate Water Quality and Heat Exposure for Homeless Populations in a Desert City. Poster presented at the CAP LTER 18<sup>th</sup> Annual All Scientists Meeting. January 2016, Scottsdale, AZ. M. Palta, M. du Bray, **R. Stotts**, A. Wolf, A. Wutich.
- 2015 Urban “Accidental” Wetlands Mediate Water Quality and Heat Exposure for Homeless Populations in a Desert City. Poster presented at American Geophysical Union Fall Meeting, December 12-16, San Francisco, CA. M. Palta, M. du Bray, **R. Stotts**, A. Wolf, A. Wutich.
- 2015 Public Perceptions of Wastewater Treatment and Reuse in Phoenix, AZ: Results of the 2013 Global Ethnohydrology Survey. Poster presented at the CAP LTER 17<sup>th</sup> Annual All Scientists Meeting. January 2015, Scottsdale, AZ. **R. Stotts**, M. du Bray, J. Rice, P. Westerhoff, A. Wutich, and A. Brewis.
- 2014 Characterizing Water Risks and Solutions Cross-Culturally: Results from the Global Ethnohydrology Survey. Poster presented at the CAP LTER 16<sup>th</sup> Annual All Scientists Meeting. January 2014, Scottsdale, AZ. **R. Stotts**, K. Larson, A. Wutich, and A. Brewis.
- 2013 Testing the Application of Adaptive Governance of Common Pool Resources: An Archaeological Perspective. Poster presented at the 78<sup>th</sup> Annual Meeting of the Society of American Archaeology. April 3-7, 2013, Honolulu, HA. G. Snitker, A. Torvinen and **R. Stotts**.
- 2013 *Rules, Norms, and Injustice: A Cross-Cultural Study of Perceptions in Water Institutions*. Poster presented at the CAP LTER 15<sup>th</sup> Annual All Scientists Meeting. January 2013, Scottsdale, AZ. J. Rosales-Chavez, A. Wutich, A. Brewis, A. York, and **R. Stotts**.
- 2011 Fairness and the Human Right to Water: A Preliminary Cross-Cultural Theory. Poster presented at CAP LTER 13<sup>th</sup> Annual Poster Symposium and All Scientists Meeting, January 12-13, Tempe, Arizona. S. Sigurdsson, **R. Stotts**, A. Wutich, A. Brewis, and A. York.
- 2010 Least-Cost Path and Viewshed Analysis of Copper Trade Routes in Late Bronze Age Cyprus. Poster presented at the 75<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 15-18, St. Louis, Missouri.
- 2010 Ring Around the Kula: An Agent-Based Modeling Approach to Network Formation. Poster presented at the Arizona State University Graduates in Earth, Life, and Social Sciences 2010 Symposium, February 26, Tempe, Arizona. **R. Stotts** and A. Torvinen
- 2007 Household Archaeology and the East Field at Isthmia, Greece: Interpreting Domestic Space at a Ritual Center. Poster presented at the 71<sup>st</sup> Annual Meeting of the Society for American Archaeology, April 25-27, Austin, Texas. **R. Stotts** and P. Kardulias.
- 2006 Preserving Local Identity Through the Mapping of Historic Cemeteries: A Case Study in Wayne County, OH. Poster presented at the 70<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 26-30, San Juan, Puerto Rico. **R. Stotts**, E. Toohey, and P. Kardulias.

#### **Professional Service**

2019-present	Representative, The College of Liberal Arts and Sciences Faculty Senate, Arizona State University
2017-2019	Faculty Advisor, Global Health Brigade
2017-2018	Program Committee, Society for Economic Anthropology Annual Conference
2014-2016	Board Member, University Hearing Board, Arizona State University
2014-2016	Board Member, Sun Devil Athletics Operations Advisory Board, Arizona State University
2013-2015	Board Member, Residency Reclassification Appeals Board, Arizona State University

2013-2014 Regional Director of Communication and Administration, National Association of Graduate and Professional Students, Western Region

2012-2013 President, Graduate & Professional Student Association, Arizona State University

2011-2012 Vice President of External Affairs, Graduate & Professional Student Association, Arizona State University

2010-2011 President, School of Human Evolution & Social Change Association of All Graduate Students, Arizona State University

2010-2011 Director of Graduate Student Advocacy, Graduate & Professional Student Association, Arizona State University

2009-2010 Assembly Member representing College of Liberal Arts & Sciences – Social Sciences, Graduate & Professional Student Association, Arizona State University

2008-2010 Vice President, School of Human Evolution & Social Change Association of All Graduate Students, Arizona State University