

# SHANE A. SCAGGS

Graduate Research Fellow

[Human Complexity Lab](#)

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## Research Interests

Human Subsistence • Cooperation and Collective Action • Dietary Diversity • Food Webs • Network Science • Complex Systems • Evolutionary Ecology • Bayesian Statistics

## Education

Year	Institution	Program	Degree
2021	Ohio State University	Anthropology	PhD candidate
2018	Oregon State University	Applied Anthropology	Master of Science
2016	Boise State University	Anthropology	Bachelor of Science

## Publications

Year	Citation
2022	Downey, S., Moschler, J., Penados, F., Peterman, W., Qin, R., Scaggs, S., Shuang, S., Walker, M. (submitted). Indigenous Maya swidden practices increase tropical biodiversity in community forests. Proceedings of the National Academy of Sciences. (submitted)
2022	Piperata, B., Scaggs, S., Dufour, D., Adams, I. (in review) Measuring food security: An introduction to tools for human biologists and ecologists. American Journal of Human Biology. (in review)

(continued)

Year	Citation
2021	Scaggs, S., Gerkey, D., McLaughlin, K. (2021). Linking subsistence harvest diversity and productivity to adaptive capacity in an Alaskan food sharing network. <i>American Journal of Human Biology. Special Issue: Anthropological Insights on Adaptation and Climate Change</i> , Vol. 33 (4): e23573. <a href="https://doi.org/10.1002/ajhb.23573">https://doi.org/10.1002/ajhb.23573</a>
2021	Kawa, N., Arceno, M. A., Goeckner, R., Hunter, C., Rhue, S., Scaggs, S., Biber, M., Downey, S., Field, J., Gremillion, K., McCorriston, J., Willow, A., Newton, E., Moritz, M. (2021). Training Wicked Scientists for a World of Wicked Problems. <i>Humanities &amp; Social Sciences Communications</i> . Vol. 8 (189). <a href="https://doi.org/10.1057/s41599-021-00871-1">https://doi.org/10.1057/s41599-021-00871-1</a>
2020	Downey, S., Gerkey, D., Scaggs, S. (2020). The Milpa Game: a field experiment investigating the social and ecological dynamics of Q'eqchi' Maya swidden agriculture. <i>Human Ecology</i> , Vol. 48: 423-438. <a href="https://doi.org/10.1007/s10745-020-00169-x">https://doi.org/10.1007/s10745-020-00169-x</a>
2020	Moritz, M., Scaggs, S., Shapiro, C., Hinkelman, S. (2020). Comparative Study of Territoriality across Forager Societies. <i>Human Ecology</i> , Vol. 48: 225-234. <a href="https://doi.org/10.1007/s10745-020-00141-9">https://doi.org/10.1007/s10745-020-00141-9</a>
2019	Snopkowski, K., Demps, K., Scaggs, S., Griffiths, R., Fulk, K., May, S., Neagle, K., Downs, K., Eugster, M., Amend, T., Heath, J. (2019). Small Group Learning is Associated with Reduced Salivary Cortisol and Testosterone in Undergraduate Students. <i>Journal of the Scholarship of Teaching and Learning</i> , Vol. 19 (5): 36-52. <a href="https://doi.org/10.14434/josotl.v19i5.24230">https://doi.org/10.14434/josotl.v19i5.24230</a>
2017	Scaggs, S. A., Fulk, K., Glass, D. J., Ziker, J. P. (2017) Framing charitable solicitation in a behavioral experiment: Cues derived from evolutionary theory of cooperation and anthropological economics. In Li, M., Tracer, D. P. (eds.) <i>Interdisciplinary Perspectives on Fairness, Equity, and Justice</i> , 153-178. Springer. <a href="https://doi.org/10.1007/978-3-319-58993-0_10">https://doi.org/10.1007/978-3-319-58993-0_10</a>

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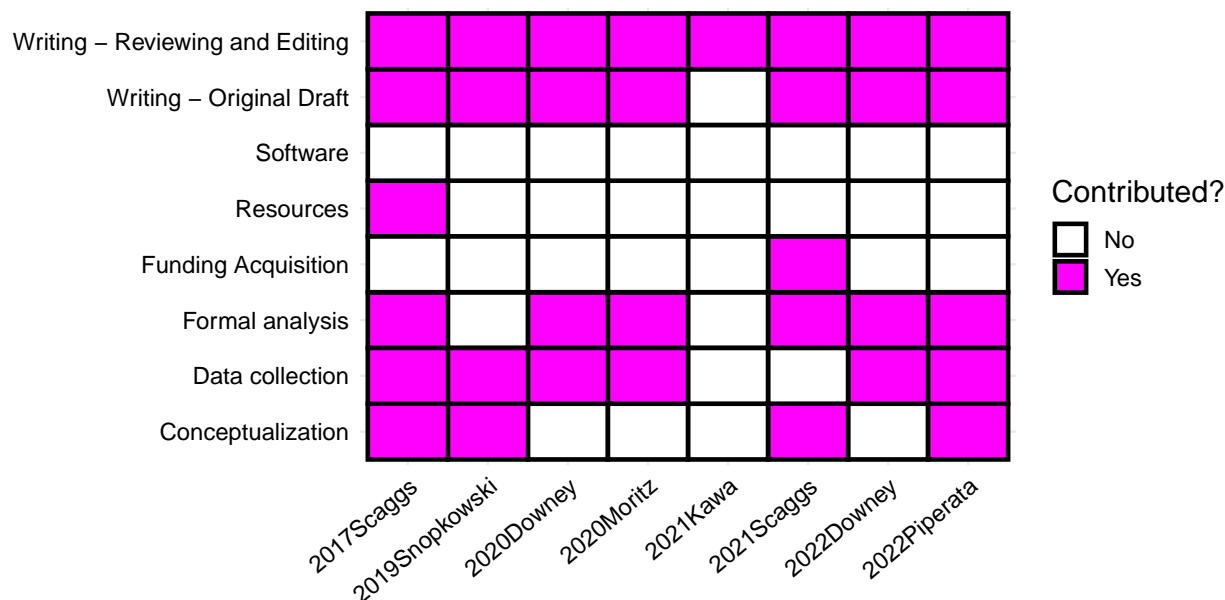


Figure 1: Contribution matrix.

## Awards, Fellowships, & Funding Support

Year	Title	Agency	Amount
2021	Doctoral Dissertation Research Improvement Grant (DDRIG)	Cultural Anthropology Program, National Science Foundation	\$20,000
2019	Daniel T. Hughes Memorial Fund	Department of Anthropology, The Ohio State University	\$300
2019	Pre-Dissertation Field Research Grant	Tinker Foundation, College of Latin American Studies, The Ohio State University	\$1,750
2018-2023	Graduate Research Fellowship (GRF)	Graduate Research Fellowship Program, National Science Foundation	
2018	Graduate Research and Writing Residency	Spring Creek Project, Oregon State University	\$250
2015	Special Undergraduate Recognition Award	Evolutionary Anthropology Society, American Anthropology Association	\$250

## Conference Proceedings

Year	Title	Conference
2021	The Importance of Humans in Neotropical Food Webs	Fall Forum 2021, Translational Data Analytics Institute
2021	Subsistence harvest diversity, social networks, and adaptive capacity to environmental change in Alaska.	90th American Association of Physical Anthropologists
2019	Playing 'The Milpa Game': Using field experiments to investigate common pool resource dilemmas in Toledo District, Belize	118th American Anthropological Association
2018	Subsistence harvest productivity and biodiversity in Alaskan social networks	117th American Anthropological Association
2018	Exponential random graph modeling of productivity, diversity, and reciprocity in Alaskan food sharing networks	5th Northwest Evolution, Ecology, and Human Behavior Symposium
2017	Dynamic Change, Social Networks, and Harvests: Levels of Resilience in Alaska	29th Human Behavior and Evolution Society
2017	Stress: The effects of social and solitary learning on salivary hormones	29th Human Behavior and Evolution Society
2016	The Solicitation of Charitable Donations: Experimental Evidence from Behavioral Economic Games	Boise State University Undergraduate Research Conference
2016	Understanding Charitable Donations	Boise State University Advancement Team
2016	Endocrine stress response in college students to solitary and group learning	4th Northwest Evolution, Ecology, and Human Behavior Symposium
2016	Four Pathways to Generosity	4th Northwest Evolution, Ecology, and Human Behavior Symposium
2015	Four Pathways to Generosity: Evolutionary Mechanisms Differentially Affect Charitable Donations	114th American Anthropological Association

## Teaching Experience

<b>Year</b>	<b>Term</b>	<b>Course</b>	<b>Institution</b>	<b>Level</b>
2022	Summer	Introduction to Cultural Anthropology	Ohio State University	2000
2018	Spring	Human Evolution	Oregon State University	4000
2018	Winter	Anthropology, Health, and Environment	Oregon State University	3000
2017	Autumn	Comparative Cultures	Oregon State University	2000
2017	Spring	Human Evolution	Oregon State University	4000
2017	Winter	Comparative Cultures	Oregon State University	2000
2016	Autumn	Comparative Cultures	Oregon State University	2000

## **Service & Outreach**

<b>Year</b>	<b>Role</b>
2020 - 2021	Podcast host, "A Story of Us, Ohio State Anthropology Public Outreach Program
2019	Session Chair, "Precariously in Place: Ecological Knowledge and Navigating Climate Change", Anthropology and Environment Society, 118th American Anthropological Association Meeting, Vancouver, BC
2017	Conference Volunteer, 29th Human Behavior and Evolution Society Meeting, Boise, ID
2016	Symposium Volunteer, 4th Northwest Evolution, Ecology, and Human Behavior Symposium, Boise, ID
2015	Symposium Volunteer, 3rd Northwest Evolution, Ecology, and Human Behavior Symposium, Boise, ID
2015	Volunteer Field Assistant, Golden eagle banding and nestling survey, Boise State University, Department of Biological Sciences
2015	Volunteer Field Assistant, Barn owl banding and nestling survey, Boise State University, Department of Biological Sciences
2015	Conference Volunteer, 81st American Physical Anthropology Association Meeting, Portland, OR
2012	Conference Volunteer, 114th American Anthropological Association Meeting, Denver, CO

## **Fieldwork Experience**

### ***Toledo District, Belize***

<b>Year</b>	<b>Description</b>	<b>Duration</b>
2019	Biodiversity assessment and camera trap pilot survey; semi-structured hunting interviews and participant observation	8 weeks
2018	Common pool resource game and follow up interviews	3 weeks

### ***Lake and Peninsula Borough, Alaska***

<b>Year</b>	<b>Description</b>	<b>Duration</b>
2018	Follow-up community meetings and data review process	3 weeks
2017	Household harvest survey, social network survey, and key respondent interviews in 6 villages	2 weeks

### ***Reynolds Creek Watershed, Idaho***

<b>Year</b>	<b>Description</b>	<b>Duration</b>
2016	GPS mapping and in-person survey of off-highway vehicle trail users	8 weeks