

REBECCA K. ZARGER

ADDRESS

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EDUCATION

University of Georgia, Athens, Georgia
Ph.D., Department of Anthropology, August 2002

Wake Forest University, Winston-Salem, North Carolina
B.A., Anthropology and English, Cum laude, May 1995

RESEARCH INTERESTS

Sociocultural anthropology, environmental anthropology, ethnoecology, ethnographies of childhood, political ecology of water, environmental change, informal science education, environmental and cultural heritage, urban agriculture, public engagement in environmental policy, Central America and the Caribbean

POSITIONS HELD

- 2013-Present *Associate Professor*, Department of Anthropology, University of South Florida, Tampa, Florida
Affiliated Faculty
Patel School of Global Sustainability, USF Office of Sustainability
Institute for the Study of Latin America and the Caribbean (ISLAC)
- 2006-2013 *Assistant Professor*, Department of Anthropology, University of South Florida, Tampa, Florida
- 2003-2006 *Assistant Professor*, Joint appointment in the Department of Environmental Studies and the Department of Sociology and Anthropology, Florida International University, Miami, Florida
Affiliated Faculty, Center for Transnational and Comparative Studies
Affiliated Faculty, Center for Latin American and Caribbean Studies
- 2003 *Christine Mirzayan Science and Technology Policy Fellow*, National Academies of Science/National Research Council, Committee on Human Dimensions of Global Change, Washington, DC

RESEARCH GRANTS AND AWARDS

- 2012-2013 Rebecca Zarger, PI, David Bruce Lewis (Co-PI, Integrative Biology), Shawn Landry (Co-PI, Florida Center for Community Research + Design), Mark Rains (Co-PI, Geology), Fenda Akiwumi (Co-PI, Geography and Environmental Science and Planning), Susan Bell (Senior Personnel, Integrative Biology). "RAPID: Assessing Vulnerabilities from Climate Change: Impacts of Water Provision, Power Relations and Perceptions of Risk on Ecohydrology in the Tampa Bay Region Socioecosystem." National Science Foundation Dynamics of Coupled Natural and Human Systems (CNH) Program. Total Amount: \$88,766. 12/1/2012-12/1/2013. Refereed.

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- 2012-2017 James Mihelcic (PI), Camille McKayle, Maya Trotz, Christian Wells Co-PIs, Senior Personnel: Rebecca Zarger, Sarina Ergas, Linda Whiteford, Daniel Yeh, Qiong Zhang, Frank Muller-Karger, Yogi Gaswami, Delcie Durham, Allan Feldman, Bernard Batson. "Partnerships for International Research and Education (PIRE): Context Sensitive Implementation of Synergistic Water-Energy Systems." National Science Foundation. \$3.9 million
- 2011-2012 Rebecca Zarger, PI and Kristina Baines, Co-PI (Doctoral Advisee). "*Sharing and Sustaining Maya Environmental Heritage in Southern Belize.*" Proposal to the Anthropology and Environment Section of the American Anthropological Association Small Grants for Collaborative Problem Solving. Partners: Toledo Environmental and Cultural Heritage Alliance (TEACHA), Tumul K'in Center of Learning, Blue Creek, Toledo District, Belize, Uxb'enka K'in Ajaw Association (UKAA), Santa Cruz, Toledo District, Belize. Total Amount: \$1,500.
- 2010-2013 David Bruce Lewis (PI), Rebecca Zarger (Co-PI), Tom Crisman (Co-PI), Mark Rains (Co-PI), Fenda Akiwumi (Co-PI): "*ULTRA-Ex: Urban Development, Power Relations, and Water Redistribution as Drivers of Wetland Change in the Tampa Bay Region Ecosystem.*" National Science Foundation Urban Long-Term Research Area (ULTRA) Exploratory Awards. Total Amount: \$289,352.
- 2008-2013 Douglas Kennett (PI), Rebecca Zarger, (Co-PI), Keith Prufer (Co-PI), Bruce Winterhalder (Co-PI) and Kevin Cannariato (Co-PI): "*Development and resilience of complex socioeconomic systems: A theoretical model and case study from the Maya Lowlands.*" National Science Foundation, Human Social Dynamics Program Collaborative Grant (Oregon, USF, UNM, UC-Davis, USC). Purpose: An interdisciplinary project involving archaeologists, cultural anthropologists, and climate scientists to study the relationships between cultural landscapes, climate change, and the resilience of complex sociopolitical systems in the Maya lowlands of southern Belize. Refereed. Total Amount: \$900,000.
- 2008-2012 Rebecca Zarger, PI. "*Development and resilience of complex socioeconomic systems: A theoretical model and case study from the Maya Lowlands.*" National Science Foundation, Human Social Dynamics Program Collaborative Grant. Purpose: Ethnographic research on historical ecology and current dynamics of environmental change in Maya communities of southern Belize; education initiatives for collaborative grant. Training: Funds for undergraduate project assistant and doctoral assistantship including dissertation field research. Refereed. Total Amount: \$62,086.
- 2007-2008 PI: Laurel Graham (Sociology), Co-PIs: Rebecca Zarger, Elaine Howes (Secondary Educ./Science Educ.), and Jennifer Friedman (Sociology). "*Promoting Nutrition and Environmental Stewardship through School Gardening in Tampa Bay*" USF Collaborative for Children and Families' Faculty Grants for Community Engagement 2007-2008. Purpose: to study the pedagogy of school gardening and funding a two-workshop series with 40 Tampa Bay area elementary and middle school teachers on incorporating gardening into environmental and social science curricula in their schools. Training: Includes small stipend for Undergraduate Honors in Anthropology student assisting with workshop planning in addition to thesis research with the project. Refereed. Total amount funded: \$14,930.

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- 2007 Rebecca Zarger PI, “*Representing the past, negotiating the present: Maya cultural and environmental heritage in southern Belize.*” USF Humanities Institute Summer Grant. Purpose: Ethnographic research on how cultural and environmental heritage is negotiated in Maya communities with archaeological sites. Refereed. Total amount funded: \$3500.
- 2007 Rebecca Zarger PI, “*Representing the past, negotiating the present: Maya cultural and environmental heritage in southern Belize.*” USF College of Arts and Sciences International Travel Grant. Purpose: Ethnographic research on how cultural and environmental heritage is negotiated in Maya communities with archaeological sites. Refereed. Total amount funded: \$1500
- 2005-2008 Michael McClain, PI, Rebecca Zarger Senior Personnel. “*Gender and Integrated Water Resource Management in the Mara Basin, Kenya and Tanzania*”, a component of Global Water Management and Sustainability (GLOWS), three year collaboration between USAID, the World Wildlife Fund, and FIU Department of Environmental Studies
- 2004 Rebecca Zarger PI “*Adapting to Changing Landscapes and Political Economies after Hurricane Iris in Southern Belize*”, Florida International University College of Arts and Sciences Research Award. Total amount funded: \$5,000.
- 2001-2002 Rebecca Zarger PI “*Acquisition and Transmission of Environmental Knowledge by Q’eqchi’ Maya in Southern Belize*”, Spencer Foundation Dissertation Fellowship for Research Related to Education. Total amount funded: \$20,000.
- 2001-2002 Rebecca Zarger PI University of Georgia Graduate School Doctoral Research Assistantship for Dissertation Write-Up. Total amount funded: \$15,000.
- 2000-2001 Rebecca Zarger PI Inter-American Foundation Dissertation Fellowship for dissertation field research. Total amount funded: \$10,000.
- 1999 Research Assistantship, Laboratories of Ethnobiology, Department of Anthropology, University of Georgia
- 1996-1999 Graduate Teaching Assistantship, Department of Anthropology, University of Georgia
- 1998 Graduate Student Summer Travel Fellowship awarded by University of Georgia Center for Latin American and Caribbean Studies (CLACS)
- Graduate Student Research Awards
- 2009 Rebecca Zarger, PI and Carylanna Bahamondes, Co-PI. “Watershed Management in the Wake of Emigration: Transnational Flows of Remittances and Capital in Rural Households and Communities.” National Science Foundation Dissertation Improvement Grant. Purpose: Funds for Bahamondes to carry out dissertation research in Honduras and the U.S. Total amount: \$14,555.
- Grants and Awards for Engaged Research and Service Learning
- 2012 Susan Greenbaum (PI), Lance Arney (PI Moses House), Rebecca Zarger (Co-PI). “Moses House Garden Project” YMCA and Creating a Healthier Sulphur Springs for Kids (CHSSK) coalition. Purpose: support program activities for fall semester

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- 2012 for a 3 month long educational program for 12 youth, 12 weekly 3-hour sessions and some gardening supplies. Total Amount: \$2175 out of total \$10,000 award. June 2012. Not refereed.
- 2011 Rebecca Zarger, PI (in collaboration with Community Partners Moses House/Lance Arney and East Tampa Community Garden). USF Office of Community Engagement Service Learning Faculty Award. Development and Implementation of Service Learning Course, Anthropology of Childhood, for Spring 2011. Total Amount: \$3000 (\$500 awarded to community partners).
- 2010 Lance Arney, Mabel Sabogal, Rebecca Zarger, Margeaux Chavez. "Moses House Community Garden." Tau Foundation Grant awarded by Allegany Franciscan Ministries. Total Amount: \$10,000.
- 2010 Rebecca Zarger (USF) and Frances Brooks (East Tampa Community Garden). USF Office of Community Engagement Service Learning Faculty Award. Total Amount: \$700 (\$500 to Faculty member and \$200 to ETCG/community partner).

DISSERTATION

"Children's Ethnoecological Knowledge: Situated Learning and the Cultural Transmission of Subsistence Knowledge and Skills Among Q'eqchi' Maya." Doctoral Dissertation, Department of Anthropology, University of Georgia, Athens, GA.

PUBLICATIONS

BOOKS

- 2002 Stepp, J. R., F. S. Wyndham, and R. K. Zarger, Eds. *Ethnobiology and Biocultural Diversity*. 720 pp. Athens: University of Georgia Press.
- Under review *Landscapes of Childhood: Growing Up Maya in Southern Belize*. Monograph based over a decade of research with Q'eqchi' and Mopan Maya children and families on environmental knowledge and practice in Toledo District, Belize. Under review at University of Rutgers Press, Series in Childhood Studies.
- In Prep Prufer, Keith, Rebecca K. Zarger and Shoshaunna Parks, Eds. *The Intersection Between Archaeology and Community in Latin America*.

PEER-REVIEWED ARTICLES

- In Press Zarger, Rebecca K. and Thomas J. Pluckhahn. "Assessing Methodologies in Archaeological Ethnography: a case for incorporating ethnographic training in graduate archaeology curricula." *Public Archaeology* (publication in fall 2013).
- 2012 Wright Wendel, Heather E., Rebecca K. Zarger, and James R. Mihelcic. 2012. Accessibility and usability: Green space preferences, perceptions, and barriers in a rapidly urbanizing city in Latin America. *Landscape and Urban Planning*. <http://dx.doi.org/10.1016/j.landurbplan.2012.06.003>.

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- 2009 Zarger, Rebecca K. Mosaics of Maya Livelihoods: Readjusting to global and local food crises. *Annals of Anthropological Practice* Vol. 32:130-151.
- 2004 Zarger, R. K. and J. R. Stepp. "Persistence of Botanical Knowledge Among Tzeltal Maya Children." *Current Anthropology*, vol. 45, no 3:413-418.
- 2003 J. R. Stepp, E. Jones, D. Casagrande, M. Pavao-Zuckerman, and R. K. Zarger. Unique and Remarkable Properties of Human Ecosystems. *Conservation Ecology*. Vol. 7, no. 3. Special Issue, Human Ecosystems: Toward the Integration of Anthropology and Ecosystem Sciences.
- 1998 Zarger, R. K. Conceptualizing Prehistoric Water Scarcity in the Central Maya Lowlands: the Influence of a Critical Resource on Settlement Patterns and Political Economy. *Journal of Ecological Anthropology*, vol. 2, pp.69-84.
- Under rev. Zarger, Rebecca K. "Displacement at home: The reorganization of space, resource access, and mobility after Hurricane Iris in southern Belize." Under review at *Human Organization*.
- In prep. Zarger, Rebecca K. "Emergent environmental knowledge and practice: the importance of middle childhood experiences in local landscapes." In revision for submission to *Current Anthropology* as a research report.
- In prep. Zarger, R. K., Lance Arney, Margeaux Chavez, Mabel Sabogal. "Cultivating Legacies of Urban Gardens Past: Examining a Youth Heritage Garden in Tampa, Florida." In preparation to *Children, Youth, and Environments*.

BOOK CHAPTERS

- 2012 Baines, Kristina and R. K. Zarger. "Circles of Value: Integrating Maya Environmental Knowledge Into Belizean Schools," In Helen Kopnina, Ed., *Anthropology of Environmental Education*. Nova Science Publishers.
- 2011 Zarger, Rebecca K. "Learning Ethnobiology: Creating Knowledge, Skills and Practice about the Living World," In *Ethnobiology*, Edited by Eugene Anderson, Eugene Hunn, Deborah Pearsall, and Nancy Turner. Wiley and Sons Publishers.
- 2010 Zarger, Rebecca K. "Learning the Environment," In *The Anthropology of Learning in Childhood*, David Lancy, John Bock, Suzanne Gaskins, Eds. pp 341-369. AltaMira Press.
- 2002 Zarger, R. K. "Acquisition and Transmission of Subsistence Knowledge by Q'eqchi' Maya in Belize," in *Ethnobiology and Biocultural Diversity*, Edited by R. Stepp, F. Wyndham, and R. Zarger, pp 593-603. Athens: University of Georgia Press.
- In Prep Prufer, Keith and Rebecca K. Zarger. "Introduction: The intersection of archaeology, anthropology, and communities in Latin America," In Prufer, Keith, Rebecca K. Zarger and Shoshaunna Parks, Eds. *The Intersection Between Archaeology and Community in Latin America*.
- In Prep Zarger, Rebecca K., "Collaborating with communities to represent the past and create futures: cultural and environmental heritage in archaeological site development"

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In Pruffer, Keith, Rebecca K. Zarger and Shoshaunna Parks, Eds. *The Intersection Between Archaeology and Community in Latin America*.

EDITOR- REVIEWED ARTICLES

- 2008 Zarger, Rebecca K. School Garden Pedagogies: Understanding Childhood Landscapes. *Anthropology News* April, pp. 8-9. In Focus on Childhood.

RESEARCH REPORTS

- 2009 Ryan Davis, Lauren Harris, Jose Hasemann, Nolan Kline, Tamara Looney, Mabel Sabogal, Peter Watson, Rebecca Zarger and Robert Brinkmann. Urban and Community Gardens in Tampa Bay, Florida: History, Models and Social Practice. A report prepared by students and faculty, Department of Anthropology, University of South Florida.
- 2009 Zarger, R. K., D. Ombara, A. Subalusky, C. Grace. "Gender and Sociocultural Complexities of Water Use and Management in the Mara River Basin" Policy Brief, Global Water for Sustainability (GLOWS) and World Wildlife Fund, East Africa Region Programme Office, Nairobi, Kenya.
- 2005 Zarger, R. K. "Gender and Water Resource Management in Transnational Perspective: Understanding the dynamics of water in the Mara Basin, Kenya and Tanzania." Report to Global Water for Sustainability (GLOWS), FIU & World Wildlife Fund Office, Nairobi, Kenya. December 2005.
- 2003 Zarger, R. K. "Public Participation in Environmental Decision Making From a Practitioner Perspective." Report for National Academies of Science/National Research Council Panel on Public Participation, Committee on Human Dimensions of Global Change. May 2003, Washington DC.

BOOK REVIEWS

- 2007 Zarger, Rebecca K. review of *Do Glaciers Listen?: Local Knowledge, Colonial Encounters, and Social Imagination*, 2005 by Julie Cruikshank, University of British Columbia Press. *Journal of Ecological Anthropology* vol. 11:1.
- 2001 Zarger, R. K. *Traditional and Modern Natural Resource Management in Latin America*, F. Pinchon, J. Uquillas, and J. Frechione, Editors. *Society and Natural Resources*, 14:1.

EDITORIAL POSITIONS

Journal of Ecological Anthropology, Co-Editor 1998-present
Department of Anthropology, University of South Florida, <http://shell.cas.usf.edu/~jea>
(Editorial Staff 1996-1998)

Anthropology and Environment Section Column Editor, Anthropology News (AN)
Editor of section news column in *AN*, a publication of the American Anthropological Association (AAA). 2002-2004.

PROFESSIONAL PAPERS AND PRESENTATIONS

- 2012 R. K. Zarger. "Ways of Knowing: Situating Environmental Knowledge As Skilled Practice," Paper presented at the Annual Meetings of the American Anthropological Association. Invited session, Knowledge Boundaries:

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- Conceptual and Methodological Challenges in Studying Indigenous Knowledge, organized by Mark Moritz and Matthew Lauer. Nov. 15, 2012, San Francisco, CA.
- 2012 R.K. Zarger. "Participatory Research with Children on Urban Gardening, Food Production, and Dietary Preferences," Innovent Panel, "Crossing into the Public Sphere: Ethnographic opportunities and challenges in addressing social justice for children and youth." Organized by Rachel Stryker, Jennifer Tilton, Rebecca Zarger and Michelle Rosenthal. Nov. 15, 2012, San Francisco, CA.
- 2012 R.K. Zarger, F. Akiwumi, D. Lewis, G. Larsen, C. Adjei, S. Landry. "The Power of Perceptions: Hydroecological change and Water Redistribution in Tampa Bay." All-Scientists Meeting of the Long-Term Ecological Research Area (LTER) Network. Invited presentation, Cultural Anthropology Program, National Science Foundation. September 13, 2012. Estes Park, CO.
- 2012 R.K. Zarger, F. Akiwumi, D. Lewis, G. Larsen, C. Adjei, S. Landry. "The Power of Perceptions: Hydroecological change and Water Redistribution in Tampa Bay." Paper presented at the Society for Applied Anthropology Annual Meetings, Baltimore, MD, March 27-31, 2012.
- 2012 G. Larsen and R.K. Zarger. "'It Hurts My Heart: Wetland and Lake Destruction and Emotional Distress among Residents of Tampa Bay, Florida.'" Paper presented at the Society for Applied Anthropology Annual Meetings, Baltimore, MD, March 27-31, 2012.
- 2012 B.R. Weisman, E.C. Wells, R.K. Zarger, and K.L. Davis-Salazar. "Community-engaged, outcome-driven anthropology is a vital part of STEM research." 76th Annual Meeting of the Florida Academy of Sciences University of South Florida, Tampa Florida, March 16-17, 2012.
- 2012 F. Akiwumi, R.K. Zarger, D.B. Lewis, S. Landry, M. Rains et al. "Urban development, power relations, and water redistribution as drivers of wetland change in the Tampa Bay Region Socioecosystem: Focus Group Findings." Paper presented at the Annual Meetings of the Assoc. of American Geographers, New York, NY, February 25, 2012.
- 2011 R.K. Zarger, L. Arney, M. Chavez, M. Sabogal. "Cultivating Legacies of Urban Gardens Past: Examining a Youth Heritage Garden in Tampa, Florida." Paper presented at the Annual Meetings of the American Anthropological Association, November 14-17, 2011, Montreal, Canada.
- 2011 D. B. Lewis, R. K. Zarger, S. M. Landry, F. A. Akiwumi, M. C. Rains, K. A. Nilsson, C. O. Adjei, S. J. Feit, G. M. Larsen, R. B. Perkerson, P. E. Thurman, T. L. Crisman, S. S. Bell, C. C. Trettin. "Urban development, power relations, and water redistribution as drivers of wetland change in the Tampa Bay Region Socioecosystem" Paper presented at the Ecological Society of America, Austin, TX, August 2011.
- 2011 D. B. Lewis, R. K. Zarger, S. M. Landry, F. A. Akiwumi, M. C. Rains, T. L. Crisman, S. S. Bell, C. C. Trettin. "Urban development, power relations, and water redistribution as drivers of wetland change in the Tampa Bay Region

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- Socioecosystem” Paper presented at session, Urban Long-term Research Areas (ULTRA): Opportunities for Comparison and Synthesis, Intl. Assn. for Landscape Ecology, Portland, OR, April 3-7, 2011.
- 2010 R. K. Zarger, “Landscapes worth fighting for: Hydroelectric dams, conservation, and social resistance in Southern Belize.” Paper presented at the Annual Meetings of the American Anthropological Association, New Orleans, LA November 17, 2010.
- 2010 R. K. Zarger, Panelist, “Saving the Lore 2.0” Discussion on Heritage Preservation in Global Context, organized by Alicia Ebbitt McGill. Annual Meetings of the American Anthropological Association, New Orleans, LA.
- 2009 R. K. Zarger, “Displacement and reorganization of space at home: long-term effects of an aperture of environmental change,” Paper presented at the Annual Meetings of the American Anthropological Association, Philadelphia, Pennsylvania, Dec. 2-6, 2009.
- 2009 R. K. Zarger, "Cat's balls and Craboo: Maya children's perceptions of flora and foodways," Paper presented at the Society for Ethnobiology annual meetings, Tulane University, March 27, 2009.
- 2009 Douglas Reeser* and Rebecca Zarger, “More than Improved Nutrition? Understanding the impacts of school garden programs on diet and homegardening in Belize,” Paper presented at the Society for Applied Anthropology Annual Meetings, Santa Fe, New Mexico, March 21, 2009.
- 2009 R. K. Zarger, “Learning to value the present through the past: Cultural and environmental heritage in Maya communities in southern Belize,” Paper presented at the Society for Applied Anthropology Annual Meetings, Santa Fe, New Mexico, March 21, 2009.
- 2009 R. K. Zarger and Kristina Baines. “Development and resilience of complex socioeconomic systems: A theoretical model and case study from the Maya Lowlands.” Research poster presented at the USF College of Arts and Sciences Research Symposium, October 2009.
- 2008 R. K. Zarger, Shoshaunna Parks, and Keith Prufer, “Learning the Past and Valuing the Present: Education Initiatives at Uxbenka.” Paper presented at the Belize Archaeology Symposium, Belize City, Belize, July 2-4, 2008.
- 2008 R. K. Zarger, “Collaborative Methods and Intergenerational Projects in Ethnobiological Research: the contributions of Berlin and Berlin.” Paper presented at session to honor Brent and Elois Ann Berlin, recipients of the Distinguished Economic Botanist Award, at the Society for Economic Botany meetings, Duke University, Durham, North Carolina. June 4, 2008. (Invited)
- 2008 R. K. Zarger. “Children’s Emergent Botany During Childhood.” Paper presented at the Society for Ethnobiology annual meetings, University of Arkansas, April 19, Fayetteville, Arkansas.

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- 2007 R. K. Zarger. "Cross-cultural Comparative Research: Emerging patterns in the development of environmental knowledge and practice during childhood." Paper presented at the Annual Meetings of the American Anthropological Association, Nov. 30- Dec. 4, Washington, D.C. (Invited)
- 2007 R. K. Zarger. "Water, gender, and governance: "mainstreaming" women's participation in water users' associations in the Mara River Basin." Paper presented at the Society for Applied Anthropology Annual Meetings, March, Tampa, Florida.
- 2007 R. K. Zarger. "Building Slingshots and Finding Edible Glue: A field guide to peer learning during childhood in Southern Belize." Paper presented at the Society for Cross-Cultural Research, Feb. 2007, San Antonio, Texas. (Invited)
- 2006 Keith Prufer and R. K. Zarger, "Collaborating with communities to represent the past and create futures: cultural and environmental heritage in archaeological site development." Paper presented at the American Anthropological Association Annual Meetings, San Jose, CA, November, 2006.
- 2006 R. K. Zarger. "'After Iris, Everything Gone': resilience and change in coping with a natural disaster." Presented as part of the session, "Understanding ecology: how people cope with changing ecosystems." Paper presented at the Society for Applied Anthropology Annual Meetings, March 28-April 2, Vancouver, British Columbia, Canada.
- 2005 R. K. Zarger. "The State of our Land: Maya Rights and Conservation Institutions in Belize." Presented as part of an Invited Session, "States of Nature: Inside and outside environmental institutions." Paper presented at the Annual Meetings of the American Anthropological Association, Nov. 30- Dec. 4, Washington, D.C.
- 2005 R. K. Zarger. "Eco-cultural Tourism and Land Use Conflicts in the 'Mundo Maya' of Southern Belize." Paper presented at the Society for Applied Anthropology Annual Meetings, April 5-10, Santa Fe, New Mexico.
- 2004 R. K. Zarger. "Linking Information and Behavior in Human Ecosystems." Paper presented at the Ecological Society of America Annual Meetings, August 2004, Portland, Oregon.
- 2004 R. K. Zarger. "Methods for Understanding Cultural Transmission of Ecological Knowledge." Paper presented at the 9th International Congress of Ethnobiology, University of Kent at Canterbury, July 5, 2004, Canterbury, UK.
- 2003 R. K. Zarger. "Shifting Landscapes: Social Networks and Cultural Transmission of Ecological Knowledge in Q'eqchi' Communities in Southern Belize." Paper presented at the Annual Meetings of the American Anthropological Association, November 22, 2003, Chicago, Illinois.
- 2003 R. K. Zarger, Eric C. Jones, and the Local Knowledge Working Group. "Communities and Conservation: Local Knowledge and Management in Conservation Policy." Paper presented on behalf of the Conservation, Local Knowledge, and Management working group of the Conservation and Community Conference, Athens, Georgia, September 2002, at the Annual

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- Meeting of the Society for Applied Anthropology, March 19-23, Portland, Oregon.
- 2002 R. K. Zarger. "Patterns of Change in Subsistence Knowledge and Strategies Between Generations in a Q'eqchi' Maya Community in Belize." Paper presented at the Annual Meetings of the American Anthropological Association, November 24-28, New Orleans, Louisiana.
- 2001 R. K. Zarger. "Graphical Representations as Phenomenon and Tool in Understanding Human Ecosystems." Paper presented at the Annual Meetings of the American Anthropological Association, November, Washington DC.
- 2001 R. K. Zarger. "Bio-cultural Diversity Conservation and Education Initiatives in Southern Belize." Paper presented at the Annual Meeting of the Society for Applied Anthropology, March 28-April 1, Mérida, Mexico.
- 2000 R. K. Zarger. "Acquisition and Transmission of Environmental Knowledge in Southern Belize." Paper presented at the Annual Meetings of the American Anthropological Association, November 15-19, San Francisco, California.
- 2000 R. K. Zarger. "Acquisition and Transmission of Subsistence Knowledge by K'ekchi Maya in Belize." Paper presented at the 7th Congress of the International Society of Ethnobiology, October 23-27, Athens, Georgia.
- 2000 R. K. Zarger and J. R. Stepp. "Persistence of Botanical Knowledge among Tzeltal Maya Children." Paper presented at the 7th International Congress of the International Society of Ethnobiology, October 23-27, Athens, Georgia.
- 1999 R. K. Zarger. "Combining Applied and Academic Approaches in Environmental Anthropology: Future Trajectories." Presented at the Annual Meetings of the Society for Applied Anthropology, March 21-26, San Francisco, CA.
- 1999 R. K. Zarger. "In Situ: Learning and Teaching Ethnoecological Knowledge." Paper presented at the Annual Meetings of the American Anthropological Association, November 17-21, Chicago, Illinois.
- 1998 R. K. Zarger, J. R. Stepp, Cheryl Mihalko. "Development of a Latin American Ethnobotanical Garden." Poster presented at the Annual Conference of the Society of Ethnobiology, Oaxaca, Mexico, March 10-13.
- 1998 R. K. Zarger. "Graphic Representations and the Role of Information in Human Ecosystems." Paper presented at the Annual Meetings of the American Anthropological Association, Philadelphia, Pennsylvania, Dec.2-6.
- 1998 R. K. Zarger. "The Intergenerational Sharing of Ecological Information: Implications for Community-Based Conservation." Paper presented at the Annual Meetings of the Society for Applied Anthropology, San Juan, Puerto Rico, April 21-25.
- 1997 R. K. Zarger. "Models of Indigenous Knowledge of Natural Resource Management and the Role of Cultural Expression in their Transmission: The Kuna and the Conservation of Kuna Yala." Paper presented at the Annual Meetings of the American Anthropological Association, Washington D.C., November 19-23.

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CONFERENCES, WORKSHOPS AND COLLOQUIA ORGANIZED

- 2006 Cristina Espinosa and R. K. Zarger, Co-Organizers and Co-Chairs, "Mapping Gender, Ethnicity, and Participation: Natural resources and 'rural' livelihoods in the South." Panel organized for Society for Applied Anthropology Annual Meetings, March, 2006, Tampa, Florida.
- 2005 Cynthia Fowler, Susan Charnley, R. K. Zarger and J. R. Stepp. Co-Chair, "The Role of Anthropologists in Interdisciplinary Projects," session presented at the Annual Meetings of the American Anthropological Association, Nov. 30- Dec. 4, Washington, D.C.
- 2002 R. K. Zarger. "Adapting to Globalization: Exploring Patterns of Change, Loss, and Persistence of Local Environmental Knowledge." Session organized for the Annual Meetings of the American Anthropological Association, November 24-28, New Orleans, LA.
- 2001 R. K. Zarger. Community-based conservation workshop. Capacity-building workshop on local environmental knowledge for protected area managers in collaboration with Golden Stream Corridor Preserve, Toledo District, Belize and Flora and Fauna International, UK.
- 2000 R. K. Zarger. CO-Program Chair, Organizing Committee, 7th International Congress of Ethnobiology, Athens, Georgia, October 9-12, 2000.
- 1999 D. Harel-Kirschner and R. K. Zarger. "Knowledge as Social Interaction: Learning in Multiple Contexts." Co-organized with for the Annual Meetings of the American Anthropological Association, November 17-21, Chicago, Illinois.
- 1999 R. K. Zarger. "Combining Applied and Academic Approaches in Environmental Anthropology: Future Trajectories." Presented at the Annual Meetings of the Society for Applied Anthropology, March 21-26, San Francisco, CA.

RECENT INVITED PRESENTATIONS, PUBLIC LECTURES, AND TALKS

- 2012 R.K. Zarger, D. Lewis, G. Larsen,* F. Akiwumi, C. Adjei, S. Landry. "Urban Long-Term Ecological Research Area (ULTRA) Tampa Bay: The Power of Perceptions in Hydroecological change and Water Redistribution." Invited speaker, National Science Foundation Long-Term Ecological Research Area (NSF-LTER) All Scientists Meeting, Estes Park, CO. Sept. 10-13, 2012.
- 2012 Rebecca Zarger and Kristina Baines. "Sharing Environmental Heritage in Communities in Belize." USF Botanical Gardens, April 4, 2012. Presentation about partnership between Toledo Environmental and Cultural Heritage Alliance (TEACHA), Uchb'enka K'in Ahaw Association (Belize), and USF Botanical Gardens to create signage for ethnobotanical trail in Santa Cruz, Belize. Invited.
- 2011 "Valuing the present through the past: Environmental and cultural heritage in Maya communities in southern Belize." Presentation for the Panel Discussion on Cultural Sustainability, Global Humanities Symposium, USF Humanities Institute. March 3, 2011.

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- 2011 Fenda Akiwumi, Rebecca Zarger, and David Lewis. "Power Relations and Public Perceptions of Water Distribution as Drivers of Wetland Change in the Tampa Bay Region Socio-ecosystem." Invited presentation at the USF Department of Biology Colloquium, February 3, 2011.
- 2009 R. K. Zarger, Ryan Davis, Tamara Looney, Mabel Sabogal. "Creating Communities, Cultivating Gardens: Urban and Community Gardening in Tampa Bay." Panel presentation at the Campus and Community Sustainability Conference, University of South Florida, Tampa Florida, October 2009.
- 2009 R. K. Zarger, Ryan Davis, Lauren Harris, José Hasemann, Nolan Kline, Tamara Looney, Mabel Sabogal, Peter Watson, and Robert Brinkmann. "Creating Communities, Cultivating Gardens: Urban and Community Gardening in Tampa Bay." Invited presentation as part of session "How does your garden grow: Risks and rewards of Community Gardens," Florida Brownfields Conference 2009, Tampa, Florida, November 2, 2009.
- 2009 "Drying Up, Scaling Up: Local action to confront water scarcity in East Africa and Tampa Bay," A Sustainability Panel Discussion, Earth Day, sponsored by the Anthropology Club, Academic Initiatives, and the Student Environmental Association, USF.
- 2009 "Understanding Human Dynamics of Water Resource Management: the Mara River Basin." Invited lecture, Colloquium Series, Department of Environmental Science, Policy, and Geography, University of South Florida- St. Petersburg. February 10, 2009.
- 2008 "Understanding Human Dynamics of Water Resource Management in the Mara Basin," Invited lecture for the Environmental Research Interdisciplinary Colloquium (ERIC) seminar series, USF.
- 2008 "Global Water Scarcity and Local Conservation." Part of three-part lecture series sponsored by the Patel Center for Global Solutions, USF, Global Citizenship Workshop for area high school teachers.
- 2008 "Water Resource Management and Qualitative Research with Communities." Invited talk to University of South Florida chapter of Engineers Without Borders, April 3, 2008.
- 2007 "Learning Environmental Knowledge During Childhood" Florida Gulf Coast University, Environmental Science Colloquium Series. (Invited lecture).
- 2006 "Cultural Transmission of Environmental Knowledge During Childhood", Invited Speaker, Anthropology Club, University of South Florida
- 2005 "Population, Women, and the Environment". Spring Liberal Studies Seminar on the Environment, Dr. John Parker, instructor, Florida International University.
- 2005 "Situating Practice, Transforming the Landscape: Social reproduction of environmental knowledge in Belize". Department of Anthropology and Geography, Georgia State University, Atlanta, GA.

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- 2004 “Cultural Transmission of Environmental Knowledge in Maya communities of southern Belize”. Tumul K’in School, Toledo District, Belize, June.
- 2004 “Development of expertise in plant knowledge among Q’eqchi’ Maya children”, Department of Biology Seminar Series, Florida International University
- 2003 “Learning to Work: Cultural Transmission of Ethnoecological Knowledge”, Department of Environmental Studies and Department of Women’s Studies, Florida International University

DISSERTATIONS AND THESES

USF

GRADUATE ADVISEES

- 2006-2012 Cynthia Grace (Dissertation Director, Anthropology, Ph.D. May 2012)
- 2007-2011 Carylanna Bahamondes (Dissertation Director, Anthropology, Ph.D. Dec. 2011)
- 2008-present Douglas Reeser (Dissertation Director, Anthropology)
- 2009-present Kristina Baines (Dissertation Director, Anthropology)
- 2009-present Ginger Johnson (Dissertation Director, Anthropology)
- 2010-present Rachel Grabner (Dissertation Director, Anthropology)
- 2010-present Cheney Swedlow (Dissertation Director, Anthropology)
- 2010-present Margeaux Chavez (M.A. Advisor, Anthropology)
- 2010-present Vanessa Martinez (M.A. Advisor, Anthropology)
- 2011-present Gina Larsen (M.A. Co-Advisor, Anthropology)
- 2011-present Steven Williams (M.A. Advisor, Anthropology)

GRADUATE STUDENT COMMITTEES

- 2008-present Anna Ruth (Ph.D. Committee, Anthropology)
- 2007-present Jose Moreno-Cortes (Ph.D. Committee, Anthropology)
- 2007-present Jason Simms (Ph.D. Committee, Anthropology)
- 2008-present A. J. Faas (Ph.D. Committee, Anthropology)
- 2008-present Roger Villamar (Ph.D. Committee, Anthropology)
- 2008-present Marc Hebert (Ph.D. Committee, Anthropology)
- 2009-present Elizabeth Heath (Ph.D. Committee, Anthropology)
- 2009-present Racine Brown (Ph.D. Committee, Anthropology)
- 2011-present Wendy Hathaway (Ph.D. Committee, Anthropology)
- 2011-present Melissa VanDyke (Ph.D. Committee, Anthropology)
- 2010-present Alicia Alfaro (M.A. Committee, Anthropology)
- 2011-present Melissa VanDyke (Ph.D. Committee, Anthropology)
- 2011-present Nicole Demetriou (Ph.D. Committee, Anthropology)
- 2011-present Kara Rothenberg (Ph.D. Committee, Anthropology)

PAST ADVISEES AND GRADUATION DATE

- 2009-2011 Cecilia Vindrola Padros (Ph.D. Committee, Anthropology)
- 2008-2011 Heather Wright (Ph.D. Committee, Engineering)
- 2008-2011 Leslie North (Ph.D. Committee, Geography)
- 2009-2010 Jennifer Pedraza (M.A. Committee, Anthropology)
- 2009-2010 Ryan Davis (M.A./M.P.H. Committee, Anthropology and Public Health)
- 2008-2009 Branimir Cvetkovic (M.A. Committee, Sociology)
- 2006-2009 Ginger Johnson (M.A./M.P.H. Thesis Director, Anthropology and Public Health)
- 2008-2009 Cecilia Vindrola Padros (M.A. Committee, Anthropology)

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| 2006-2008 | Shoshaunna Parks (Ph.D. Committee, Archaeology, Boston University) |
| 2006-2008 | Douglas Reeser (M.A./M.P.H. Thesis Co-Director with Dr. Nancy Romero-Daza, Anthropology) |
| 2006-2007 | Jennifer Hunsecker (M.A. Committee, Anthropology) |
| FIU | |
| 2004-2006 | Nicole Katin (M.Sc. Thesis Director, Environmental Studies) |
| 2004-2005 | Christine Beitzl (M.A. Committee, Latin American Studies) |
| 2003-2005 | Jennifer Loder, (M.Sc. Committee, Environmental Studies) |
| 2003-2006 | Kathy Stone (M.Sc. Committee, Environmental Studies) |

UNDERGRADUATE HONORS THESES

USF

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| 2009 | Christina Reichert, Honors College Thesis |
| 2008 | Kristen Dale, Department of Anthropology Honors Thesis |
| 2008 | Dominika Krasnyanszky, Department of Anthropology Honors Thesis |
| 2008 | David Kanter, Department of Anthropology Honors Thesis |

RESEARCH AND PROFESSIONAL TRAINING

“Gender and Sociocultural Complexities of Water Use and Management in the Mara Basin”

January 2006. Fieldwork in the Mara River Basin in Kenya and Tanzania as part of an interdisciplinary integrated conservation and development project focused on water use and management, conservation, and sustainable livelihoods. Research is part of the Global Water for Sustainability (GLOWS) partnership between FIU, WWF, and USAID.

“Conservation and Co-Management of Uxbenka as a Cultural Heritage Site” June-July 2005.

Preliminary fieldwork in collaboration with three archaeologists to establish a co-managed protected area and cultural heritage site surrounding Uxbenka archaeological site with Santa Cruz community in Southern Belize. A 3-5 year project which aims for the community to share and manage benefits of cultural heritage tourism and conservation as well as to integrate cultural identity and history of local Maya into the construction of a museum and interpretive materials.

“Transforming Landscapes: Sociocultural and Ecological Change after Hurricane Iris in Southern Belize” May-June 2004; June-July 2005

Research on how Q’eqchi’ communities have adapted subsistence strategies in the wake of a devastating hurricane and new transformations between local, regional, and transnational political economies. Supported by a Florida International University College of Arts and Sciences Research Award.

National Science Foundation Short Course on Research Methods in Cultural Anthropology, directed by Michael Paolisso and Raymond Hames, August 1-5, 2005, Duke Marine Laboratories.

National Research Council, National Academies of Science January 2003-June 2003. Conducted research and prepared staff report for the Human Dimensions of Global Change Committee and the NRC Panel on Public Participation in Environmental Assessment and Decision Making.

Dissertation field research. May 2000-October 2001.

Research focused on acquisition and distribution of environmental knowledge among Q’eqchi’ Maya children, youth, and adults in southern Belize. Project included ethnobotanical collections and development of biocultural conservation and education initiatives with schools, local non-government organizations and the Forest Department of Belize.

REBECCA K. ZARGER

Language training. February-March 2000.

“Escuela Muq B’il B’e”, Cobán, Alta Verapaz, Guatemala. Curriculum focused on grammar and conversational skills in the Q’eqchi’ Maya language.

Research Assistant. August-December 1999.

Laboratories of Ethnobiology, Department of Anthropology, University of Georgia. Co-program chair of the 7th International Congress of Ethnobiology, biannual meetings of the International Society for Ethnobiology, held in Athens, GA, in October 2000.

Preliminary dissertation research. August 1999.

Ethnographic research on socialization of environmental knowledge in southern Belize, obtained permission to conduct research from Q’eqchi’ study communities.

Ethnographic research. June -August 1999.

Replicated thirty-year-old study on acquisition of botanical terminology by Tzeltal Maya children, to determine loss or persistence of children’s plant knowledge over three decades of intense change in one Tzeltal community in Tenejapa, Chiapas, Mexico.

National Science Foundation Summer Institute for Research Design in Cultural Anthropology.

August 2-23, 1998. University of California, Irvine. Intensive training experience in quantitative and qualitative research methodologies, research design, proposal writing, and data analysis software.

Preliminary dissertation research. June-July 1998.

UGA Center for Latin American and Caribbean Studies/Graduate School travel fellowship to conduct research on environmental education and community-based conservation at national and local levels among minority ethnic groups in Belize.

Language training. June-July 1997.

Eco-Escuela, San Andres, Peten, Guatemala. Intensive study of Spanish at language school affiliated with Conservation International.

Qualitative research consultant. June 1995-May 1996.

Planning Department, St. Mary's Medical Center, Knoxville, Tennessee. Conducted community-based health needs assessment to guide collaborative community service initiatives for the Medical Center advisory board.

Resource Assistant. June 1993-August 1993.

Bureau of Land Management, Buffalo, Wyoming. Survey archaeologist for the Student Conservation Association.

TEACHING ACTIVITIES AND COURSE OFFERINGS

Current and Recent Courses

Foundations in Applied Anthropology, Graduate (USF)

Cultural Anthropology, Undergraduate (USF)

Environmental Anthropology, Graduate (USF)

Research Methods in Applied Anthropology, Graduate (USF)

Anthropology of Childhood (Graduate/Undergraduate) (USF)

World Ethnographies, Upper-Division Undergraduate (FIU)

Migration and Environmental Change, Graduate Seminar (FIU)

Global Environment and Society, Lower-Division Undergraduate (FIU)

Human Organizations and Ecosystem Management, Upper-Division Undergraduate (FIU)

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Population and Environment Issues, Upper-Division Undergraduate (FIU)
Introduction to Anthropology, Honors Undergraduate Seminar (UGA)

Other Courses Prepared to Teach:

Global Conservation and Sustainable Development
Environmental Conflict and Change
Ethnoecology
Growing Up Human: Cultural Perspectives on Socialization, Learning, and Development
Nature and Culture
Anthropological Methods and Data Analysis (Qualitative and Quantitative)
Research Design and Proposal Writing
Maya Ethnography, Ethnohistory, and Archaeology

Adjunct Instructor

2002 Department of Anthropology, University of Georgia

Graduate Teaching Assistant

1996-1999 Department of Anthropology, University of Georgia
Graduate teaching experience included assisting with courses in all four sub-fields of anthropology: Anthropological Linguistics, Introduction to Anthropology (Four-field), Indians of North America, Anthropological Perspectives on Human Sexuality, Human Adaptation

PROFESSIONAL ASSOCIATIONS

American Anthropological Association Member 1996-present

Anthropology and Environment Society

Executive Board, Senior At-Large Member, 2013-2015
Nominating Committee, 2004-2006
Judge, Rappaport Prize Student Panel, AAA Annual Meetings, 2005
Executive Board, *Anthropology News* Editor 2002-2004
Conservation and Community Working Group on Environmental Policy, 2001-present

Council on Anthropology and Education, 2000-2002

Committee on Cultural Transmission; Committee on Ecology and Education

Society for Applied Anthropology Member 1996-present

Elected Fellow in 2007

Environmental Anthropology Topical Interest Group

Graduate student representative 1999-2000

International Society of Ethnobiology Member 2000-present

Program Organizer, VII International Congress of Ethnobiology, Athens, Georgia 2000

Society of Ethnobiology Member 2000-present

Elected to Board of Directors 2007-2010

Nominating Committee 2008

American Educational Research Association 2002-2003

Anthropology Graduate Student Organization, University of Georgia

President 1997-1999

Student-Faculty Representative 1997-1998

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PROFESSIONAL OUTREACH AND SERVICE ACTIVITIES

Departmental and University-Wide Service

University of South Florida 2006-present

Faculty Advisory Committee of Graphicstudio/Institute for Research in Art (2007-present).

College of Arts and Sciences Faculty Development Committee (2011-2012)

College of Arts and Sciences Computer Committee & Steering Committee (2007-2010)

Chair, Anthropology and Education Postdoctoral Search Committee (Fall 2009)

AAREA Travel and Research Award Committee, Department of Anthropology (2009)

Anthropology and Education Postdoctoral Search Committee Member (Spring 2009)

Graduate Program "Task Force" (Fall 2009)

Fathauer Travel Award Planning Committee (2008-2009)

Global Citizenship Workshop, "Global Water Scarcity and Local Conservation," USF Patel Center for Global Solutions, (Fall 2008)

Graduate Program External Specialization Committee (Spring 2008)

AAREA Travel and Research Award Committee, Department of Anthropology (2008)

Post-doctoral Search Committee, (2008-2009)

Angrosino Award Committee, Department of Anthropology (Fall 2007).

Education Strategic Plan Steering Committee, Patel Center for Global Solutions (Summer/Fall 2007)

Sustainable Communities Search, Reviewer for Anthropology Applicant Pool, Department of Anthropology (Spring 2007).

Heritage Studies Concentration Committee, Department of Anthropology (Spring 2007).

University of Oklahoma 2005-2006

Undergraduate Internship Program

Honors Student Thesis Advisor

Committee Member, Speaker's Series, "Knowing Nature"

Florida International University 2003-2005

Graduate Theory Committee, Sociology/Anthropology

Sustainable Communities Working Group, Interdisciplinary Graduate Certificate

Graduate Committee, Environmental Studies

Faculty Secretary, Environmental Studies

Mission Statement/Ph.D. Program Working Group, Environmental Studies

Graduate Committee, Environmental Studies

Faculty Secretary, Environmental Studies

Search Committee, Sociology/Anthropology

Professional Service

2012 Reviewer, *National Science Foundation, Ecology of Food and Nutrition*

2011 Reviewer, *Climatic Change, Human Organization, Human Ecology, National Science Foundation*

2009 Reviewer, *Current Anthropology, Ecology of Food and Nutrition, Human Organization, Ethnobiology Research and Applications*

2008 Reviewer, *American Anthropologist, Current Anthropology, Journal of the Royal Anthropological Institute, Human Ecology*

2007 Reviewer, *Human Ecology, Journal of Anthropological Research, American Anthropologist, Current Anthropology*

2006 Reviewer, *Current Anthropology*

2005 Reviewer, *Economic Botany, Current Anthropology*

2004 Reviewer, *Field Methods*

2004 Reviewer, *Current Anthropology*

2003 Reviewer, *Conservation Ecology*

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COMMUNITY OUTREACH AND SERVICE ACTIVITIES

Service Learning Course and Outreach with Moses House, Sulphur Springs, Florida

Service learning students in Anthropology of Childhood course worked with Moses House youth to establish a youth heritage garden and carried out research related to gardening, healthful foods, nutrition, and food production, Spring 2011.

Service Learning Course, Research Methods in Applied Anthropology

Service learning graduate students worked with the East Tampa Community Garden to carry out a needs assessment of neighbors and school children's interest in gardening at Young Middle School in Tampa Florida. Served on board of the ETCG during project. Spring 2010.

Discussion Facilitator, East Tampa Revitalization Partnership and City of Tampa Brownfields Workshop, Ragan Center, Tampa, Florida, February 2009.

Planning Committee and Education Committee, Seminole Heights Community Garden, Seminole Heights Neighborhood, Tampa, Florida March 2009-2010.

Tampa Bay School Gardening Network, Teacher training workshops on school gardening in Hillsborough County, Parts I and II, in March and October 2008, held at Learning Gate Elementary and Middle School.

Oral history training workshop, Youth Task Force of the Julian Cho Society, Punta Gorda Town, Belize, June 2007.

TOLEDO ENVIRONMENTAL AND CULTURAL HERITAGE ALLIANCE (TEACHA)

Building on earlier project in the area of indigenous environmental education, an ongoing collaboration between Maya leaders, educators, parents, and local organizations is being developed to bring bilingual, environmental and cultural heritage education curricula that emphasize the value of local environmental knowledge and local environments to primary and secondary schools in Toledo District, Belize. See www.teacha.org for more information.

Invited Participant, Workshop on "*Public Participation in Environmental Decision Making and Deliberation,*" National Research Council, Human Dimensions of Global Change Committee, Panel on Public Participation. Held at the National Academies of Science, Washington, DC. February 2-5, 2005.

Invited Participant, First Meeting of the National Research Council Panel on Environmental Decision Making and Assessment, National Academies of Science, Washington D. C., August 2003.

Environmental education and biocultural diversity conservation initiatives. November 2000-September 2001. Environmental education and conservation initiatives in Toledo District, Belize, in conjunction with the Forest Department of Belize and local non-government organizations such as the Belize Indigenous Training Institute (BITI). Projects included an interpretive plant trail featuring local wild and semi-cultivated plant resources, a traveling herbarium, and presentations to school children and organizations.

Community library and tutoring program. May 2001-October 2001. Assisted with development of a community-operated library with San Miguel, Belize Parent Teacher's Association and village leaders