Research Support

Grant #0810118 David Lentz; Nick Dunning; Vern Scarborough 2008 2012 National Science Foundation Ancient Maya agroforestry and water management systems at Tikal Role:PI $245,269 Active Grant 11U

Grant #0809217 David Lentz (Co-PI); Payson Sheets (PI) 06/03/2008 05/31/2010 NSF Manioc at Ceren: Ancient Maya Garden Plant or Staple Crop? Role:Co-PI $86,252 Completed Grant 10S

Grant #7799 David Lentz; Nick Dunning; Vern Scarborough 2008 2010 Wenner-Gren Foundation Agroforestry and water management practices of the ancient Maya at Tikal Role:PI $24,973 Completed Grant International 10S

Grant #0729754 David Lentz, G. Uetz, A. Miller, K. Hinkel, T. Culley 10/01/2007 09/30/2010 National Science Foundation Development of a Strategic Plan for the University of Cincinnati Field Station Role:PI $24,594 Completed Grant 10S

David Lentz (Co-Investigator); Cynthia Robin (Investigator) 2007 2010 National Endowment for the Humanities 2,000 Years of Prehistory at the Chan Site, Belize Role:Co-I $167,000 Completed Grant 10S

David Lentz 2005 2006 McGraw Foundation Funding for a Graduate Fellowship in Plant Biology and Conservation Role:PI $7,500 Completed Grant

David Lentz 2004 2006 Foundation for the Advancement of Mesoamerican Studies 2004-2006 Analysis of Paleoethnobotanical Remains from Tikal, Guatemala Role:PI $8,500 Completed Grant

David Lentz; Sara Breen 2004 2005 Froehlich Foundation Education Initiative Regarding the Master's Degree Program in Plant Biology and Conservation with Northwestern University Role:Co-PI $475,000

David Lentz 2004 2007 National Science Foundation Plant Science and Conservation Biology Research Experiences for Undergraduates Role:PI $234,008 Completed Grant
Lentz, D.L. (Co-PI) with V. Scarborough (PI) and N. Dunning (Co-PI) 01/01/2010 12/31/2010 Alphawood Foundation Water Management and Agroforestry of the Ancient Maya at Tikal 98,000 Completed Grant 10U

Lentz, D.L. 01/01/2011 12/31/2012 Chevron Corporation Fellowship/Scholarship Program for the Environment Role: PI $98,000 Completed Grant National 11U

Grant #1250629 Payson Sheets (PI), David Lentz (Co-PI) 2013 2015 National Science Foundation Non-elite Political Economy, Agriculture, and a Sacbe at Cerén, El Salvador Role: Co-PI $113,492 Active Grant National 15SS

Grant #1115775 Payson Sheets (PI), David Lentz (CoPI) 2011 2013 National Science Foundation Root Crop Agriculture, Land Use, and Authority Outside of the Ceren Village, El Salvador Role: Co-PI $75,200 Completed Grant National 12S

Grant #1226891 Lentz, D.L. (PI), R. Baucom, G. Cameron, K. Hinkel and K. Tankersley. 2012 2015 National Science Foundation FSML: Power, Equipment and Connectivity for the University of Cincinnati Center for Field Studies. Role: PI $167,000 Active Grant National 15SS

Lentz, D.L. 2012 2013 Chevron Corporation Fellowship/Scholarship Program for the Environment, Supplemental Grant Role: PI $9,000 Completed Fellowship National 12S

Grant #DBI-0729754 Culley, Theresa; Hinkel, Kenneth; Lentz, David; Miller, Arnold; Uetz, George 10/01/2007 09/30/2010 National Science Foundation Strategic Planning for the Cincinnati Center for Field Studies Role: PI $26,343.00 Closed Federal

Grant #SRS 005863 Dunning, Nicholas; Lentz, David; Scarborough, Vernon 07/01/2008 06/30/2009 Wenner-Gren Foundation Agroforestry and Water Management Practices of the Ancient Maya of Tikal Role: PI $24,973.00 Closed Private Non-Profit

Grant #PROJ0001208 / RZ-50804-07 Lentz, David 09/01/2007 08/31/2010 National Endowment for the Humanities Chan: The 2000 Year History of an Ancient Maya Farming Community Role: PI $34,000.00 Active Federal

Grant #BCS-0810118 Dunning, Nicholas; Lentz, David; Scarborough, Vernon 01/01/2009 12/31/2013 National Science Foundation Ancient Maya Agroforestry and Water Management Systems at Tikal Role: PI $171,693.00 Active Federal

Grant #CW 852745 Lentz, David 01/17/2011 12/31/2013 Chevron U.S.A Primary and Secondary Productivity of Vernal Pools and Other Habitats Role: PI $107,330.00 Active Industry

Grant #DBI-1226891 Baucom, Regina; Cameron, Guy; Hinkel, Kenneth; Lentz, David; Tankersley, Kenneth 09/01/2012 08/31/2014 National Science Foundation FSML: Power, Equipment and Connectivity for the University of Cincinnati Center for Field Studies Role: PI $167,076.00 Active 15SS

Grant #CW1315587 Lentz, David 03/02/2015 12/31/2016 Duke Energy Foundation Research Education and Training Program for STEM Teachers Role: PI $104,000 Active Grant National 15SS

Lentz, D.L., L. Plevyak, I. Buffam 01/20/2015 12/20/2017 Duke Energy Foundation Research Education and Training Program for STEM Teachers Role: PI $104,000 Active Grant National 15SS

Lentz, D.L. 06/20/2015 06/20/2016 Chevron Corporation Environmental Fellowship Program for Field Research in Southwest Ohio Role: PI $40,000 Active National 15SS

Grant #BCS-1642547 Czaja, Andrew; Dunning, Nicholas; Hamilton, Trinity; Lentz, David; Scarborough, Vernon 09/01/2016 08/31/2017 National Science Foundation Novel Molecular and Geochemical Analyses of Reservoir Sediments at the Ancient Maya City of Tikal Role: PI $34,937.00 Active Federal


**Presentations**

**Invited Presentations**

D.L. Lentz (03/20/2013). *“Environmental Overstretch of the Ancient Maya: Paleoethnobotanical Data from Tikal.”* Miami University, Department of Botany, Oxford, OH. Other Institution Regional 13SS c /ce/Basi

D.L. Lentz (04/20/2014). *Sustainability Requirements and the Demise of the Ancient Maya of Tikal.”*. University of Minnesota, Institute of Advanced Studies, Minneapolis, MN. Other Institution National 14SS c /ce/Basi

D.L. Lentz (04/20/2014). *Workshop in Mesoamerican Archaeobotany*. Hamline University, Department of Anthropology, St. Paul, MN. Other Institution National 14FS c /ce/Basi

**Poster Presentations**


**Paper Presentations**

D.L. Lentz (05/20/2014). *Agroforestry at the Ancient Maya City of Tikal*. Society for Economic Botany, Cherokee, NC. Professional Meeting International 14SS Basic Science

D.L. Lentz (04/20/2014). *Paleoecology of the Ancient Maya at Tikal*. IHOPE (International History of People of the Earth), University of Texas, Austin, TX. Other Institution International 14SL Basic Science
Honors and Awards

2011 -2012 Elected Fellow of the UC Graduate School Non-Monetary Recipient University 11S Scholarly
2015 -2016 Elected Fellow of the American Association for the Advancement of Science Recognition Recipient International 15SS Scholarly

Service

Society for Economic Botany Editorial Board Editorial Board Member Service to Professional Associations International 01/01/2010 12/31/2010 10S Article reviewer
Society for Ethnobiology Editorial Board Board Member Service to Professional Associations International 01/01/2010 12/01/2010 10S Editorial board member
University of Cincinnati Center for Field Studies UCCFS Steering Committee Committee Chair University/College Service University 01/01/2010 12/31/2010 10S
University of Cincinnati Center for Field Studies n/a Director University/College Service University 01/01/2010 12/31/2010 10S
University of Cincinnati Faculty Club Board of Governors Board Member University/College Service University 01/01/2010 12/31/2010 10S
National Science Foundation Ad Hoc Reviewer Grant Panel National 03/08/2010 10/20/2010 10S Reviewer of proposals for the Archaeology Program and the Geography and Spatial Sciences Program at NSF

Positions and Work Experience

2007 to Present EXECUTIVE DIRECTOR and PROFESSOR University of Cincinnati Center for Field Studies and Department of Biological Sciences Cincinnati, OH
2006 -2007 EXECUTIVE DIRECTOR and FIELD SERVICE ASSOCIATE PROFESSOR University of Cincinnati Center for Field Studies and Department of Biological Sciences Cincinnati, OH
2002 -2006 VICE PRESIDENT FOR SCIENTIFIC AFFAIRS AND SENIOR SCIENTIST Chicago Botanic Garden Glencoe, IL
1984 -1993 ASSISTANT, ASSOCIATE PROFESSOR and DIRECTOR, ELECTRON MICROSCOPY FACILITY University of Mississippi Jackson, MS

Education

Institution:University of Alabama Tuscaloosa, AL Ph. D. 1984 Biology
Institution:Eastern New Mexico University Portales, NM M.A. 1979 Anthropology, Archaeology

Research and Practice Interests
My primary research interests are in paleoethnobotany and paleoecology. I have conducted field research in many areas of North America, studying indigenous groups in Guatemala, Belize, Honduras, Mexico and El Salvador, as well as in the southwestern and southeastern US. To develop a greater understanding of how early cultures manipulated their environment through their agricultural and other land-use practices, I have examined the way in which indigenous people, including the Jicaque, Paya and the Kekchi-Maya, use plants. Much of my work has focused on the archaeobotany of the ancient Maya and Olmec, studying the differences in dietary habits among groups of varying economic status. Currently, I am investigating the land use practices of the ancient Maya at Tikal in Guatemala. I welcome students interested in pursuing compatible research projects.

Sunflower (Helianthus annuus) as a Mesoamerican domesticate sponsored by the National Science Foundation.
Agroforestry and water management of the ancient Maya at Tikal (sponsored by the National Science Foundation, the Wenner Gren foundation and the Alphawood Foundation).

Plans for the rehabilitation of the White Water Shaker “Trustee’s Office” building. Our goal is to reuse this historic structure for classroom and residential space for those conducting research and taking classes at the UC field station. Click here to read full report.

Preferred Information

Professor and Executive Director, UC Center for Field Studies

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