

WILLIAM E. DOOLITTLE

3 February 2024

Aqueduct Geographer, LLC

Web: <https://aqueductgeographer.com/>

Email: mayordomo@aqueductgeographer.com

Mobile: 512.922.9950

Department of Geography and the Environment

The University of Texas at Austin

Austin, Texas 78712

Web: <http://www.la.utexas.edu/users/wd/>

Email: dolitl@austin.utexas.edu

ORCID: <http://orcid.org/0000-0002-7927-6792>

DEGREES and CERTIFICATIONS

A.A. Tarrant County Junior College, Fort Worth, 1972

B.A. Texas Christian University, Fort Worth, 1974 (Government and Geography)

M.A. University of Missouri, Columbia, 1976 (Geography)

Ph.D. University of Oklahoma, Norman, 1979, (Geography, Archaeology)

Advisor: B. L. Turner II

Ph.D.H.C. Stockholms Universitet, 2015

Certified Engineering Technician (Civil); NICET No. 14255

Certified in Survival, Evasion, Resistance, Escape; FAETUPAC Whidbey, U.S. Navy

Compostellae Capituli Beati Jacobi

Certified Coach, USA Hockey; No. 52382

SPECIALTIES: ancient and historic landscapes, agricultural and water control technology, arid lands, American Southwest, México, and Spain

MEMBERSHIPS IN LEARNED SOCIETIES

Association of American Geographers

American Geographical Society

Society for American Archaeology

American Association for the Advancement of Science

Conference of Latin American Geography

Arizona Archaeological and Historical Society

ACADEMIC POSITIONS

1976, 1979 Special Instructor, Department of Geography, University of Oklahoma

1977-79 Research Associate, Department of Anthropology, University of Oklahoma

1979-80 Assistant Professor, Department of Geology and Geography, Mississippi State University, Starkville

1981-87 Assistant Professor, Department of Geography, The University of Texas at Austin

1987-96 Associate Professor, Department of Geography, The University of Texas at Austin

1996-2000 Professor, Department of Geography, The University of Texas at Austin

- 2000-2022 Erich W. Zimmermann Regents Professor of Geography, Department of Geography and the Environment, The University of Texas at Austin
- 2023- Erich W. Zimmermann Regents Professor Emeritus of Geography, Department of Geography and the Environment, The University of Texas at Austin
- 2023- Founder and Principal, Aqueduct Geographer, LLC

ADMINISTRATIVE SERVICES

- 1982-88 Undergraduate Advisor
- 1988-92 Graduate Advisor; Chair, Graduate Studies Committee
- 1998-2000 Graduate Recruiter, Chair, Graduate Studies Committee
- 2002-04 "
- 1992-96 Department Chair
- 2004-06, 09 "
- 2018-22 "

ELECTED OFFICES

- 1980-84 Founder and Chair, Cultural Ecology Specialty Group (now Cultural and Political Ecology Specialty Group) of the Association of American Geographers
- 1984-86 Secretary-Treasurer, Cultural Ecology Specialty Group of the Association of American Geographers
- 1986-88 Member, Board of Directors, Cultural Ecology Specialty Group of the Association of American Geographers
- 1989-94 Member, Board of Directors, Conference of Latin Americanist Geographers
- 1990-92 Vice-Chairperson, Board of Directors, Conference of Latin Americanist Geographers
- 1992-94 Chairperson, Board of Directors, Conference of Latin Americanist Geographers
- 1994-95 Secretary-Treasurer, Southwest Division Association of American Geographers
- 1995-97 Chair, Southwest Division, Association of American Geographers
- 2023-26 Member, Board of Directors, El Camino Real de los Tejas National Historic Trail Association

APPOINTMENTS

- 1980 Member, Program Committee, Annual Meeting of the Southeastern Division of the Association of the American Geographers, Blacksburg, Virginia
- 1982 Member, Local Arrangements Committee, Annual Meeting of the Association of American Geographers, San Antonio, Texas
- 1987-93 Member, Committee on Scientific Freedom and Responsibility, Association of American Geographers.
- 1989 Chair, Arrangements and Program Committee, Annual Meeting of the Conference of Latin Americanist Geographers, Querétaro, México.
- 1991 Judge, Presidio La Bahia Award (best book on Spanish Colonial Texas), presented by The Sons of the Republic of Texas.
- 1993-96 Member, Editorial Board, *Annals of the Association of American Geographers*.
- 2008-11
- 1993-95 Member, Editorial Advisory Board, *Kiva* (Journal of Southwestern Anthropology and History).
- 1994 Nominee, Honors Committee, Association of American Geographers.

- 1994 Co-Chair, Arrangements and Program Committee, Primero Reunión de Geografía Regional: México-Estados Unidos-Canadá. Joint Meeting of La Sociedad Mexicana de Geografía y Estadística and the Conference of Latin Americanist Geographers, Ciudad Juárez, Chihuahua, México (with Maria Luisa Garcia Amaral).
- 1995-98 Member, Editorial Board, *Geografía y Desarrollo* (México).
- 1996-2018 Member, Editorial Board, *Journal of Cultural Geography*.
- 1996 Nominee, National Councilor, Association of American Geographers.
- 1997 Chair, Program Committee, Annual Meeting of the Association of American Geographers, Fort Worth, Texas.
- 1997-2004 Executive Director, Conference of Latin Americanist Geographers.
- 1999-2005 Member, Editorial Board, *Journal of Historical Geography*.
- 2000 Nominee, Regional Councilor, Association of American Geographers.
- 2002-2005 Alternative National Representative (United States), Geography Commission, Pan American Institute of Geography and History.
- 2003 Nominee, Chair-Elect, Section E, Geology and Geography, American Association for the Advancement of Science.
- 2003-2018 Member, Editorial Advisory Board, *Mono y Conejo* (Mesoamerican publication of the Texas Archaeological Research Laboratory).
- 2003-2006 Member, George and Viola Hoffman Award Committee, Association of American Geographers.
- 2007 Nominee, Honors Committee, Association of American Geographers.
- 2010 Local Arrangements and Program Organizer, Texas Map Society Spring Meeting, Austin, April.
- 2011 Local Arrangements and Program Organizer, Southwest Division of the Association of American Geographers Fall Meeting, Austin, November
- 2015 Member, Nystrom Awards Committee, Association of American Geographers.
- 2018- Member, Editorial Board, *El Conejo: The Journal of the Center for Archaeological and Tropical Studies*

VOLUNTEERED SERVICES

- 1981 Organizer and Chair, Special Session on the Philosophy and Methodology of Cultural Ecology, Annual Meeting of the Association of American Geographers, Los Angeles, California.
- 1983 Organizer and Chair, Special Session on Future Trends in Hazard Research, Annual Meeting of the Association of American Geographers, Denver, Colorado.
- 1986 Organizer, Special Session on Irrigation, Society, and Change, Annual Meeting of the Association of American Geographers, Minneapolis, Minnesota.
- 1991 Co-Organizer, Gran Quivira Conference XX, Goliad and San Antonio, Texas (with Elizabeth A. H. John and Adán Benavides).
- 1992 – Contributor, *SMRC Revista* (formerly *Newsletter*), Southwest Mission Research Center, The Arizona State Museum, Tucson.
- 1994 Organizer, Special Session on The Geographical Personality of Robert C. West's Sonora, Annual Meeting of the Association of American Geographers, San Francisco, California
- 1995 Co-Founder and Co-Editor, *EarthWorks*, the first hypermedia geographical journal (with Kenneth E. Foote and Gregory W. Knapp).

- 1998 Sponsoring Agent, Gran Quivira Conference XXVII, Nuevo Laredo, México.
- 2006 Organizer and Chair, two Sessions on *La(s) Frontera(s) de Desarrollo: The Evolving South Texas Borderland, Race, Ethnicity, and Place Conference*, Texas State University-San Marcos.
- 2009 Organizer, two sessions on Mapping Global Agricultural History, First World Congress on Environmental History, Kobenhavn, Danmark.
- 2010 Organizer, Special Sessions on Thirty Years of Culture Change, Annual Meeting of the Association of American Geographers, Washington, DC.
- 2011 Organizer, Symposium on Global Agricultural History: Mapping the Past for Modeling the Future. Annual Meeting of the American Association for the Advancement of Science, Washington, DC, February.
- 2012-14 Contributor, *San Antonio Missions: Nomination for Inscription on the World Heritage List*.
- 2015 Organizer, Special Session in Honor of Elisabeth Butzer, Annual Meeting of the Association of American Geographers, Chicago, IL
- 2015 Organizer, Memorial Tribute for Campbell W. Pennington, Southwest Division Meeting of the Association of American Geographers, San Antonio, TX
- 2016 Co-Organizer, Three Special Sessions in Memory of, and Tribute to William I. Woods. Annual Meeting of the American Association of Geographers, San Francisco, CA, with Timothy Beach and Rolfe Mandel.
- 2017 Co-Organizer, Symposium Honoring the Memory of William I. Woods, Annual Meeting of the Society for American Archaeology, Vancouver, BC

AWARDS and HONORS

- 1994 Carl O. Sauer Distinguished Scholarship Award, Conference of Latin Americanist Geographers
- 1996 *Who's Who in America*.
- 2001 Fulbright Distinguished Lectureship in Environmental Issues, Mexico (declined)
- 2003 Robert McC. Netting Award, Cultural and Political Ecology Specialty Group of the Association of American Geographers
- 2003 Featured Geographer, *Harcourt Horizons: People and Communities*, p. 173
- 2004 Outstanding Graduate Advisor, The University of Texas at Austin
- 2004 Outstanding Service Award, Conference of Latin Americanist Geographers
- 2005 Fellow, American Association for the Advancement of Science
- 2006 Distinguished Scholarship Honors, Association of American Geographers
- 2007 Fulbright Senior Specialist, Sweden
- 2007 Top 100 Open Courseware Projects—Field Techniques—Online Educational Database, <http://oedb.org/library/features/top-100-open-courseware-projects>.
- 2013 Top 89 Open Courseware Projects—Field Techniques—Online Educational Database, <http://oedb.org/library/features/top-89-open-courseware-projects>.
- 2014 Preston E. James Eminent Latin Americanist Career Award, Conference of Latin Americanist Geographers.
- 2015 *Philosophiae Doctorem Honoris Causa*, Stockholms Universitet
- 2020 Fellow, American Association of Geographers

INTERVIEWS and PODCASTS

- 2023 Conversations with a Geographer:
https://www.youtube.com/watch?v=S_oHrSGrGbM
<https://open.spotify.com/episode/3AZwSwsAYZjYePlucpzEya>

Coronado: The New Evidence. Frances Causey Films:
<https://www.francescauseyfilms.com/films-detail/Coronado>

RESEARCH GRANTS

- 1980 Biological and Physical Sciences Research Institute, Mississippi State University.
- 1981 Mellon Foundation, Center for Latin American Studies, Tulane University
- 1981-82 National Science Foundation, No. SES-8200546.
- 1982 University Research Institute, University of Texas, Summer Research Award.
- 1983 The Association of American Geographers.
- 1984 University Research Institute, University of Texas.
- 1984 Tinker Foundation, Institute of Latin American Studies, University of Texas.
- 1986,'89, Mellon Foundation, Institute of Latin American Studies, University of
'92, 2001, Texas.
- '02
- 1987-88 National Endowment for the Humanities, No. RO-21458-87.
- 1991 Erich W. Zimmermann Fellowship, Department of Geography, UT–Austin
- 1991- National Science Foundation, Co-PI on several Dissertation Improvement Grants
- 1996 National Geographic Society, No. 5834-96.
- 1997 Paul W. McQuillen Memorial Fellowship, John Carter Brown Library, Brown
University.
- 1997 Houston Endowment, Institute of Latin American Studies, University of Texas.

FIELD EXPERIENCE (with funding agency)

- 1977-78 Prehistoric and present-day settlement, ecological, and agricultural research in
Sonora, México; June-August (Dissertation research, member of the NSF-
funded Río Sonora Project, No. BNS 76-16818).
- 1978 Analysis of arroyo environments in the Big Bend region of Texas
- 1980 Reconnaissance of traditional agro-ecosystems in southwestern United States and
northwestern México; May-June (BPSRI-MSU).
- 1981 Analysis of traditional agro-ecosystems and changes in arroyo agriculture in
Sonora, México; June- August (NSF).
- 1982 Survey of southwestern Spanish Mission agricultural lands; May-June (URI-UT).
- 1983, 2005, Inspection of ancient field systems in Chaco Canyon, New Mexico; March.
2022
- 1983 Reconnaissance of prehistoric terraces in New Mexico and Western Apache
irrigation systems; June-July.
- 1984 Investigation of Spanish colonial townscapes and cattle pastures in northeastern
México; March.
- 1984 Survey of intermittently used lands of marginal agricultural quality in northern
Mexico; May-June (Tinker-ILAS).
- 1984 Assessment of prehistoric agricultural environs in western New Mexico; June-
(URI-UT).
- 1985-86, Reconnaissance of Spanish colonial agriculture and ranching landscapes, and
'88, '90, water control features in various parts of México.
'94, '97,
'99, 2001-03,
2005-23
- 1986 Investigation of prehistoric canal irrigation technology in northern México and
southern Arizona; June-July (Mellon-ILAS).

- 1987 Assessment of prehistoric agricultural features on the Yucatan Peninsula; January (URI-UT).
- 1987 Survey of Spanish colonial sheep herding routes through the Sierra Madre Oriental of México; November (URI-UT).
- 1988 Analysis of various ancient agricultural fields, features, and systems in the New River and Flagstaff areas, Arizona; Chama and Upper Río Grande Valleys, and Zuni Reservation, New Mexico; Mesa Verde area, Colorado; Wisconsin; southern England; and the Netherlands; May-August (NEH).
- 1989 Survey of relict prehistoric agricultural features in the Tehuacán Valley, México; March.
- 1989 Inspection of Aztec aqueducts in Texcoco, and earlier canal irrigation systems near Teotihuacán, Mexico; June (Mellon-ILAS).
- 1989 Assessment of indigenous Puebloan and early Spanish irrigation sites in northern New Mexico; October.
- 1990 Evaluation of late prehistoric agricultural sites in the Tonto Basin, Arizona; May (consultant, Statistical Research, Inc., Tucson).
- 1990 Reconnaissance of Maya raised fields in northern Belize, Central America; May (consultant, National Geographic Society Project No. 4274-90).
- 1990 Study of past and present irrigation systems and their environmental impacts, Chihuahua and Sonora, México; June.
- 1991 Exploration of prehistoric raised fields in the northern Basin of México and terraces in the Sierra Madre of northern México; June and August.
- 1991 Inspection of slash-and-burn fields in tropical dry forest regions of Guerrero, México; September (NSF).
- 1992, '94 Survey of prehistoric water control features in southwestern New Mexico and southeastern Arizona; January, May (URI-UT).
- 1992 Assessment of prehistoric water and soil control features and present-day forestry impacts in the Sierra Madre of northern, México; May and (Mellon-ILAS).
- 1992, '93 Evaluation of prehistoric agricultural sites in the Lower Verde River Valley, Arizona; May, December, May (consultant, Statistical Research, Inc., Tucson).
- 1993, '94 Collection of paleoenvironmental data by means of core samples from coastal lowlands of Veracruz, México; January, April (NASA).
- 1993 Inspection of irrigated terraces on the Hopi Reservation, Arizona, May.
- 1994 Reconnaissance of prehistoric rock-bordered grids in Southeastern Arizona, May (URI-UT).
- 1995 Survey of contemporary, Spanish colonial, and indigenous agricultural landscapes of southern México and northern Central America, January.
- 1996, '97, Reconnaissance of Lower Rio Grande/Bravo Valley with a focus on Falcon
2002 Reservoir, north Mexican drought, and the reappearance of Guerrero Viejo.
- 1997 Multidisciplinary investigation of prehistoric rock-bordered grids in the Gila Valley, Arizona, January, March, June, October (NGS).
- 1997 Examination of Roman and Islamic irrigation features of Spain, Portugal, and France, April-May (Houston-ILAS).
- 1998, 2000 Archaeological investigation of ancient canal irrigations systems on the flanks of the Pinaleño Mountains, Arizona, May-July.
- 1999, 2009 Inspection of Roman aqueducts, Lazio, Italy, January, December, July.
2018
- 1999, 2006 Examination of wet taro cultivation and terracing, Hawai'i, April.

- 2000 Excavation and survey of prehistoric irrigation canals in the Yautepec and Tehuacan valleys of Mexico, May-June.
- 2000 Reconnaissance of agricultural landscapes in the Netherlands and southeastern Poland.
- 2001 Survey of cultural, especially agricultural and hydraulic, landscapes of Spain and Morocco, March, May-June
- 2001 Preliminary assessment of environmental management and sustainable agriculture in northwest Mexico, July (Mellon-LLILAS)
- 2001 Inspection of agro-forestry practices in Esmeraldas province, Ecuador, August.
- 2001 Inspection of landscape change in highland Honduras, October.
- 2003 Inspection of agricultural plots affected by invasive plant species, Samoa, June.
- 2004, 20 Reconnaissance of prehistoric and traditional agricultural landscapes in highland Guatemala, May, January.
- 2004 Assessment of deforestation impacts on the Panama Canal, December.
- 2005 Re-study of the cityscape of Quiroga, Michoacan, Mexico, October.
- 2006 Inspection of building materials mining sites in Veracruz, Mexico, March.
- 2007 Investigation of Spanish era aqueducts in México, Jan., July (Mellon-LLILAS)
- 2007 Re-study of Huépac, Sonora, México, February.
- 2008 Assessment of Norse and Basque sites in Newfoundland and Labrador, July.
- 2008 Exploration of collaborative research opportunities, Cuatrociénegas, Coahuila, Mexico, August.
- 2009 Inspection of archaeological sites in Río Bravo Conservation Area, and exploration of the eastern and southern landscapes of Belize (Programme for Belize Archaeological Project), August.
- 2009, 20 Survey of aqueducts in southern Portugal, August, March.
- 2011 Assessment of Renaissance aqueducts in Tuscany, Italy, March.
- 2011 Inspection of an operating irrigation system in Marakwet, Kenya, and relicts of a long-abandoned precolonial system in Engaruka, Tanzania, September.
- 2012 Inspection of henequen plantations and production facilities, Yucatan, Mexico, January.
- 2012 Reconnaissance of water control features and agricultural practices, Madiera Island, Portugal and Canary Islands, Spain, March.
- 2015, '16, '19 Survey of water control features in the Lesser Antilles, January.
- 2015 Study of historic windmills, walls, and water delivery systems, Mallorca, Spain, May-June.
- 2016 Assessment of sites and environments associated with St. Brendan, and his alleged 6th century voyage to the Americas, Ireland, July.
- 2019 Assessment of currents, winds, sea conditions experienced by Viking sailors in the North Atlantic Ocean.
- 2021 Revisit archaeological and historical sites in the Río Sonora Valley, México, July.
- 2022 Study of rural landscapes, terracing, irrigation, and aqueducts in Spain, June and September.
- 2023 Search for the location(s) of the town and mine of "Sonora" described in and portrayed on 17th and 18th century documents, January.
- 2023 Inspection of irrigation systems in Provence, the French Alps, and Switzerland, June.

PUBLICATIONS

Books and Monographs:

- 1988 *Pre-Hispanic Occupance in the Valley of Sonora, Mexico: Archaeological Confirmation of Early Spanish Reports.* (Tucson: Anthropological Papers of the University of Arizona 48, University of Arizona Press).
- 1990 *Canal Irrigation in Prehistoric Mexico: The Sequence of Technological Change.* (Austin: The University of Texas Press).
- 2000 *Cultivated Landscapes of Native North America.* (Oxford: Oxford University Press).
- 2004 *The Safford Valley Grids: Prehistoric Cultivation in the Southern Arizona Desert.* Co-edited with James A. Neely. (Tucson: Anthropological Papers of the University of Arizona 70, University of Arizona Press).
- 2004 *Canales de Riego en el México Prehispánico: La Secuencia del Cambio Tecnológico.* (Chapingo: Museo Nacional de Agricultura, Universidad Autónoma Chapingo). Translated version of the 1990 book, updated with a new chapter and expanded bibliography.
- Writing *Sixteenth Century Aqueducts in México: Spanish-Indigenous Hybridization.* Publisher to be determined.

Articles and Chapters:

- 1976 Reilly's Law of Retail Gravitation: A Comparison with Empirically Derived Interaction Fields in Missouri. *The Missouri Geographer* 23.1:9-20.
- 1976 Locational Characteristics of Mobile Home Parks in Columbus, Ohio. *The Geographical Bulletin* 13:17-35.
- 1978 The Concept and Measure of Agricultural Intensity. Co-authored with B.L. Turner II. *The Professional Geographer* 30:297-301.
- 1979 La Población Serrana de Sonora en Tiempos Prehispánicos: La Evidencia de los Asentamientos Antiguos, In *Memoria IV Simposio de Historia de Sonora*, Juan Antonio Ruibal Corella, coor. (Hermosillo: Instituto de Investigaciones Históricas):1-16.
- 1980 Aboriginal Agricultural Development in the Valley of Sonora, Mexico. *Geographical Review* 70:328-342.
- 1981 Obsidian Hydration Dating in Eastern Sonora, Mexico. In *Obsidian Dates III. A Compendium of Obsidian Hydration Determinations Made at the UCLA Obsidian Hydration Laboratory*, Clement W. Meighan and Glenn S. Russell, eds. (Los Angeles: University of California, Institute of Archaeology Monograph XVI):155-159.
- 1983 Agricultural Expansion in a Marginal Area of Mexico. *Geographical Review* 73:301-313.
- 1984 Settlements and the Development of 'Statelets' in Sonora, Mexico. *Journal of Field Archaeology* 11:13-24.
- 1984 Agricultural Change as an Incremental Process. *Annals of the Association of American Geographers* 74:124-137.
- 1984 Cabeza de Vaca's Land of Maize: An Assessment of its Agriculture. *Journal of Historical Geography* 10:246-262.
- 1984 La Tierra del Maíz de Cabeza de Vaca: Cuando La Serrana fue el Cesto de las Tortillas. *Sonora: La Revista Cultural del Noroeste de México* 29:14-16 Reprinted in translation from *Journal of Historical Geography*).

- 1984 Sorprende y Unico Plano Prehistórico de Irrigación en Banámichi: Investigación Agrícola del Noreste del Estado. *Sonora: La Revista Cultural del Noroeste de México* 30:20-23 (Reprinted in translation from *Journal of Historical Geography*).
- 1985 The Use of Check Dams for Protecting Downstream Agricultural Lands in the Prehistoric Southwest: A Contextual Analysis. *Journal of Anthropological Research* 41:279-305.
- 1987 Las Marismas to Pánuco to Texas: The Transfer of Open Range Cattle Ranching From Iberia Through Northeastern Mexico. *Yearbook, Conference of Latin Americanist Geographers* 13:3-11.
- 1988 Intermittent Use and Agricultural Change on Marginal Lands: The Case of Smallholders in Eastern Sonora, Mexico. *Geografiska Annaler* 70B:255-266.
- 1989 Arroyos and the Development of Agriculture in Northern Mexico. In *Fragile Lands of Latin America: The Search for Sustainable Uses*, John O. Browder, ed. (Boulder: Westview Press):251-269.
- 1989 *Pocitos and Registros*: Comments on Water Control Features at Hierve el Agua, Oaxaca. *American Antiquity* 54:841-847.
- 1990 The Physical Landscape of Latin America: Environmental Factors and Human Occupance. In *Pattern of Regional Geography: An International Perspective*, vol. III, World Regions, R.B. Mandal, ed. (New Delhi: Concept Publishing):307-348.
- 1990 Terrace Origins: Hypotheses and Research Strategies. *Yearbook, Conference of Latin American Geographers* 16:9
- 1991 A Finger on the Hohokam Pulse. In *Prehistoric Irrigation in Arizona: Symposium 1988*, Cory Dale Breternitz, ed. (Phoenix: Soil Systems Publications Archaeology 7):139-154.
- 1991 Phytoliths as Indicators of Prehistoric Maize (*Zea mays* subsp. *mays*, Poacea) Cultivation. Co-authored with Charles D. Frederick. *Plant Systematics and Evolution* 177:175-184.
- 1992 Before There Was a Cornbelt: A Prospectus on Research. In *Late Prehistoric Agriculture: Observations from the Midwest*, William I. Woods, ed. (Springfield: Illinois Historic Preservation Agency, Studies in Illinois Archaeology 7):217-240.
- 1992 Some Questions Concerning Development: Comments on "Regional and Economic Development." In *Benchmark 1990*, Tom L. Martinson, ed. *Yearbook, Conference of Latin Americanist Geographers* 17/18:293-294.
- 1992 Regional Ecology and Middle America: Teaching Geography in a Major Latin American Program, In *Benchmark 1990*; Tom L. Martinson, ed., *Yearbook Conference of Latin Americanist Geographers* 17/18:309-312. Appeared initially in Pre-Conference Proceedings: 20th Anniversary Meetings, *Conference of Latin Americanist Geographers*, Cyrus P. Dawsey, comp. (Auburn: CLAG and Department of Geography, Auburn University): 245-252 (1990).
- 1992 House-Lot Gardens in the Gran Chichimeca: Ethnographic Cause for Archaeological Concern. In *Gardens of Prehistory: New World Agriculture and Settlement in Archaeological Perspective*, Thomas W. Killion, ed. (Tuscaloosa: University of Alabama Press):69-91.
- 1992 Agriculture in North America on the Eve of Contact: A Reassessment. *Annals of the Association of American Geographers* 82:386-401.

- 1993 A Method for Distinguishing Between Prehistoric and Recent Water and Control Features. Co-authored with James A. Neely and Michael D. Pool. *Kiva* 59:7-25.
- 1993 Canal Irrigation at Casas Grandes: A Technological and Developmental Assessment of its Origins. In *Culture and Contact: Charles C. DiPeso's Gran Chichimeca*, Anne I. Woosley and John C. Ravesloot, eds. (Dragoon and Albuquerque: The Amerind Foundation and University of New Mexico Press):133-151.
- 1995 The San Saba-Menard Irrigation System: Lessons Learned by Unraveling Its Origin. In *Soil, Water, Biology, and Belief in Prehistoric and Traditional Southwestern Agriculture*. H. Wolcott Toll, ed. (Albuquerque: New Mexico Archaeological Council, Special Publication 2):263-277.
- 1995 Indigenous Development of Mesoamerican Irrigation. *Geographical Review* 85:301-323.
- 1996 Latitudes and Attitudes: The Southern Limit(s) of North America. *Geografía y Desarrollo* 13:79-88.
- 1997 Deserts: Introduction. In *The Evolving Landscape: Homer Aschmann's Geography*. Martin J. Pasqualetti, ed. (Baltimore: Johns Hopkins Press for the Center for American Places):227-231.
- 1998 Innovation and Diffusion of Sand- and Gravel-Mulch Agriculture in the American Southwest: A Product of the Eruption of Sunset Crater. *Quaternaire* 9:61-69.
- 1998 Challenging Regional Stereotypes: The Case of Northern Mexico. *Southwestern Geographer* 2:15-39.
- 1999 Noria Technology in Mexico: Against the Current and Against the Odds. *International Molinology* 59:8-13.
- 2000 Preliminary Assessment of Irrigation Waters on the Ejido Xochimanca, Ticuman, Morelos, Mexico. In *Proyecto Arqueobotánico Ticumán: Informe Técnico Preliminar VI*, Temporada 2000. Luis Morett Alatorre, comp. Chapingo: Museo Nacional de Agricultura, Universidad Autónoma Chapingo):81-91.
- 2001 Learning to See the Impacts of Individuals. *Geographical Review* 91:423-429.
- 2002 Feeding a Growing Population on an Increasingly Fragile Environment. In *Latin America in the Twenty-First Century: Challenges and Solutions*. Knapp, ed. (Austin: Conference of Latin Americanist Geographers and the University of Texas Press). Co-authored with Andrew Sluyter, Eric P. Perramond, Phil L. Crossley, and Dean P. Lambert. 44-75.
- 2003 Channel Changes and Living Fencerows in Eastern Sonora, Mexico: Myopia in Traditional Resource Management? *Geografiska Annaler A: Physical Geography* 85:247-261.
- 2004 Permanent vs. Shifting Cultivation in the Eastern Woodlands of North America Prior to European Contact, *Agriculture and Human Values* 21:181-189.
- 2004 A Checkered Landscape. In *The Safford Valley Grids: Prehistoric Cultivation in the Southern Arizona Desert*. William E. Doolittle and James A. Neely, eds., pp. 1-17, (Tucson: Anthropological Papers of the University of Arizona 70, University of Arizona Press). Co-authored with James A. Neely.
- 2004 Site Topography and Hydrology. In *The Safford Valley Grids: Prehistoric Cultivation in the Southern Arizona Desert*. William E. Doolittle and James A. Neely, eds., pp. 48-61, (Tucson: Anthropological Papers of the University of Arizona 70, University of Arizona Press).

- 2004 Rock Art. In *The Safford Valley Grids: Prehistoric Cultivation in the Southern Arizona Desert*. William E. Doolittle and James A. Neely, eds. pp.112-124, (Tucson: Anthropological Papers of the University of Arizona 70, University of Arizona Press). Co-authored with Betty Graham Lee.
- 2004 Answers and Ideas. In *The Safford Valley Grids: Prehistoric Cultivation in the Southern Arizona Desert*. William E. Doolittle and James A. Neely, eds., pp.125-141, (Tucson: Anthropological Papers of the University of Arizona 70, University of Arizona Press). Co-authored with James A. Neely.
- 2004 Gardens are Us, We are Nature: Transcending Antiquity and Modernity. *Geographical Review* 94:391-404.
- 2004 De las Marismas a Pánuco y a Texas: la transferencia del sistema de ganadería de tipo extensivo de la Península Ibérica a y por el Noreste de México. In *De las Marismas del Guadalquivir a la Costa de Veracruz: cinco perspectivas sobre cultura ganadera*. José Velasco Toro and David Skerritt Gardner, trans. Y eds. (Xalapa, México: Universidad Veracruzana y Instituto de la Cultura de Veracruz). Reprinted in translation from *Yearbook of the Conference of Latin Americanist Geographers*, 1987.
- 2006 An Epilogue and Bibliographic Supplement to *Canal Irrigation in Prehistoric Mexico: The Sequence of Technological Change*. *Mono y Conejo* 4:3-15.
- 2006 Agricultural Manipulation of Floodplains in the Southern Basin and Range Province. *Catena* 65:179-199.
- 2006 Environmental Mosaics, Agricultural Diversity, and the Evolutionary Adoption of Maize in the American Southwest. In *Histories of Maize: Multidisciplinary Approaches to the Prehistory, Linguistics, Biogeography, Domestication, and Evolution of Maize*. John Staller, Robert Tykot, Bruce Benz, eds., pp. 109-121, (Amsterdam: Academic Press). Co-authored with Jonathan B. Mabry.
- 2008 Modeling the Early Agricultural Frontier in the Desert Borderland. In *Archaeology Without Borders: Contact, Commerce, and Change in the U.S. Southwest and Northwestern Mexico*. Laurie D. Webster and Maxine E. McBrinn, eds., pp. 55-70, (Boulder: University of Colorado Press). Co-authored with Jonathan B. Mabry.
- 2008 Misreading Between the Lines: Evidence and Interpretation of Ancient Settlements in Eastern Sonora, Mexico. In *Ethno- and Historical Geographic Studies in Latin America: Essays Honoring William V. Davidson*. Peter H. Herlihy and Kent Mathewson, and Craig S. Revels eds., pp. 299-308, (Baton Rouge: Geoscience and Man 40).
- 2009 Huépac Revisited: Cultural Remapping of a Sonoran Townscape. *Journal of the Southwest* 51.2:137-164. Co-authored with Daniel D. Arreola, Lindsey Sutton, Arriana Fernandez, John Finn, Claire Smith, and Casey Allen.
- 2009 Traditional Uses of Check Dams: A Global and Historical Introduction. In *Check Dams: Morphological Adjustments and Erosion Control in Torrential Streams*. Carmelo Conesa Garcia, and Mario Aristide Lenzi eds. pp. 1-10 (Nova Science Publishers).
- 2010 México: From the 19th to the 21st Century in Three Decades. *Journal of Cultural Geography* 27:317-329.
- 2011 Expanding the European Landscape: Aqueducts and the Spanish Usurpation of México. In *Landscapes, Identities and Development: Europe and Beyond*. Zora Rocan, Paul Claval, and John Agnew, eds. pp. 151-166 (Farnham UK: Ashgate Publishing).

- 2014 Economics and the Process of Making Farmland. In *Landesque Capital: The Historical Ecology of Enduring Landscape Modifications*. N. Thomas Håkansson and Mats Widgren, eds., pp. 31-48 (Walnut Creek: Left Coast Press).
- 2014 The New Narrative on Native Landscape Transformations. In *North American Odyssey: Historical Geographies for the Twenty-First Century*. Craig E. Colton and Geoffrey L. Buckley, eds., pp. 9-26 (Lanham: Rowman & Littlefield). Co-authored with Michael D. Myers.
- 2014 Landscapes, Locales, Fields and Food. In *Between Mimbres and Hohokam: Exploring the Archaeology and History of Southeastern Arizona and Southwestern New Mexico*. Henry D. Wallace, ed., pp. 15-64, Anthropological Papers No. 52, (Tucson: Archaeology Southwest).
- 2015, 2019 Expedience, Impermanence, and Unplanned Obsolescence: The Coming-About of Agricultural Features and Landscapes. In *The Oxford Handbook of Historical Ecology and Applied Archaeology*. Christian Isendahl and Daryl Stump, eds., pp. 31-48, (Oxford: Oxford University Press). DOI: 10.1093/oxford hb/9780199672691.013.6
- 2017 Irrigation. In *The International Encyclopedia of Geography*. Douglas Richardson, Noel Castree, Mike F. Goodchild, Audrey Kobayashi, Weidong Liu, and Richard A. Marston, eds., (New York: John Wiley and Sons). DOI: 10.1002/9781118786352.wbiego0389
- 2018 Portuguese Origins of a 16th Century Aqueduct in México. *Revista Geográfica de América Central*, 61E (3):467-488.
- 2019 Archaeological Assessment Reveals Earth's Early Transformation through Land Use. *Science* 365:897-902. ArchaeoGLOBE Project with 94 co-authors.
- 2020 Stacking Rocks to Transport Water: Folk Aqueduct Bridges of Mallorca and Spanish California, *Sustainability* 12, 5257; doi:10.3390/su12135257.
- 2021 The Impact of Covid-19 on Post-Secondary Teaching and Learning. *The Professional Geographer* 73.1:1-13. doi.org/10.1080.00330124.2020.1823864. Co-authored with Terrace Day, I-Chung Catherine Chang, Calvin King Lam Chung, Jacqueline Housel, and Paul L. McDaniel.
- 2021 Livestock and Landscape. In *Forest, Field, and Fallow: Selections by William M. Denevan*. Antoinette WinklerPrins, and Kent Mathewson, eds. pp. 275-278 (Dordrecht: Springer). <https://doi.org/10.1007/978-3-030-42480-0> Co-authored with Richard Hunter.
- 2021 Open Range Cattle Herding in Texas: A Very European Affair. *Research Outreach* 124:18-21. doi:10.32907/RO-124-1505660614.
- 2021 Smooth Sailing: Wind, Water, and Viking Voyages. *Research Outreach* 126: 146-149. doi:10.32907/RO-126-1923811397.
- 2023 Beyond COVID Chaos: What Post-Secondary Educators Learned from the Online Pivot. *The Professional Geographer* 75:14-30, Co-authored with Terrace Day, I-Chung Catherine Chang, Calvin King Lam Chung, Jacqueline Housel, and Paul L. McDaniel.
- 2023 Recollections of Sonora, and Especially the Río Sonora Valley. *Journal of the Southwest* 65:205-300.
- 2023 Sonora: The Elusive Site, the Debated Name, and Various Designations. *Kiva*, Co-authored with William Steen and José Omar Montoya Ballesteros. <https://doi.org/10.1080/00231940.2023.2258305>

- 2024 Going Where No Water Has Gone Before: Ancient/Modern Swiss Irrigation. *Focus on Geography*, 67. <https://doi.org/10.216go/foge/2024.67.1p>
<https://www.focusongeography.org/publications/photoessays/irrigation/index.html>
- In press Wetting the Dry, Drying the Wet: Native North American Agricultural Landscapes. In *Water and Humanity: Historical Overview*. Vernon L. Scarborough and Fekri Hassan, eds. (Paris: UNESCO).
- In review Roman and Medieval Aqueduct Bridges on the Landscape of Spain: Issues of Construction. *Geographies*.
- Writing Agricultural Landscapes of Preindustrial North America: Eight Centuries of Environmental Transformation. To be submitted to volume on *Mapping Global Agricultural History*, edited by Mats Widgren. Stockholm.
- Writing Canals, Embankments, and the Expansion of Hydraulic Landscapes. To be submitted to *Land, or Water Science and Technology: Water Supply*, or *Modern Environmental Science and Engineering*.

Book Reviews:

- 1982 *Modeling Change in Prehistoric Subsistence Economies*, Timothy K. Earle and Andrew L. Christenson eds., Academic Press, New York, 1980; *Geographical Review* 72:114-116
- 1982 *Farming Practice in British Prehistory*, Roger Mercer (ed.), Edinburgh University Press, Edinburgh, 1981; *Archaeology* Nov./Dec.: 72.
- 1983 *Population and Technological Change: A Study of Long-Term Trends*, Ester Boserup, University of Chicago Press, Chicago, 1981; *Economic Geography* 59:90-91.
- 1983 *Parmana: Prehistoric Maize and Manioc Subsistence along the Amazon and Orinoco*, Anna Curtenius Roosevelt, Academic Press, New York, 1980; *Geographical Review* 73:117-118.
- 1984 *Frontier on the Rio Grande: A Political Geography of Development and Social Deprivation*, John W. House, Clarendon Press, Oxford, 1982; *Political Geography Quarterly* 3:85-86.
- 1985 *Water in the Hispanic Southwest: A Social and Legal History*, Michael C. Meyer, University of Arizona Press, Tucson, 1984; *Journal of Historical Geography* 11:230-231.
- 1987 *The Archaeology of West and Northwest Mesoamerica*, Michael S. Foster and Phil C. Weigand (eds.), Westview Press, Boulder, 1985; *The Kiva* 52:154-160.
- 1987 *The Presidio and Militia on the Northern Frontier of New Spain, A Documentary History*, Volume 1: 1570-1700. Thomas N. Naylor and Charles W. Polzer, S.J., (comps. and eds.), University of Arizona Press, Tucson, 1986; *The Professional Geographer* 39:509.
- 1988 *Irrigation in the Bajío Region of Colonial Mexico*, Michael E. Murphy, Westview Press, Dellplain Latin American Studies, No. 19, Boulder, 1986; *Geographical Review* 78:99-100.
- 1988 *Good Farmers: Traditional Agricultural Resource Management in Mexico and Central America*, Gene C. Wilken, University of California Press, Berkeley and Los Angeles, 1987; *Geographical Review* 78:464-466.
- 1992 *Wilderness Preservation and the Sagebrush Rebellions*, William L. Graf, Rowman and Littlefield, Publishers, Savage, MD, 1990; *Annals of the Association of American Geographers* 82:164-166.

- 1993 *The End of the Line, The Line at the End, The Spanish Frontier in North America*, David J. Weber, Yale University Press, New Haven and London, 1992; *Reviews in American History* 21:374-378.
- 1993 *The Spanish-American Homeland: Four Centuries in New Mexico's Río Arriba*, Alvar W. Carlson, The Johns Hopkins University Press, Baltimore and London, 1990, *The Journal of Geography* 92:238-239.
- 1994 *Sonora: Its Geographical Personality*, Robert C. West, The University of Texas Press, Austin, 1993, *Annals of the Association of American Geographers* 84:324-326.
- 1996 *Changes in Land Use and Land Cover: A Global Perspective*, William B. Meyer and B. L. Turner II (eds.), Cambridge University Press, Cambridge, 1994; *Cultural Ecology Newsletter* 27:8-9.
- 1997 *Plutonium and the Rio Grande: Environmental Change and in the Nuclear Age*, William L. Graf, Oxford University Press, New York and Oxford, 1994; *Annals of the Association of American Geographers* 87:184-186.
- 2000 *Guerrero Viejo*, Elena Poniatowska and Richard Payne, Anchorage Press, Houston, 1997; *Southwestern Historical Quarterly* 103:380-381.
- 2000 *The Political Ecology of the Water Crisis in Israel*, Susan H. Lees, University Press of America, Lanham, 1998; *American Anthropologist* 102:201-202.
- 2001 *History of the Triumphs of Our Holy Faith Amongst the Most Barbarous and Fierce Peoples of the New World*, Andrés Pérez de Ribas, Translated by Daniel T. Reff, Maureen Ahern, and Richard K. Danford, University of Arizona Press, Tucson, 1999; *Journal of Historical Geography* 27:445-446.
- 2001 *Cultural Encounters with the Environment: Enduring and Evolving Geographic Themes*, Alexander B. Murphy and Douglas L. Johnson (eds.) with Viola Haarman (asst.), Rowman & Littlefield Publishers, Lanham and Oxford, 2000; *Economic Geography* 77:390-392.
- 2006 *The Spanish Acequias of San Antonio*, I. Wayne Cox, Maverick Publishing, San Antonio, 2005; *Southwestern Historical Quarterly* 109:574-575.
- 2006 *Irrigation Waters Flow Downhill, Ears of Corn Roll Uphill. 1491: New Revelations of the Americas Before Columbus*, Charles C. Mann, Alfred A. Knopf, New York, 2005; *Geographical Review* 96:487-490.
- 2007 *Agricultural Strategies*, Joyce Marcus and Charles Stanish, Cotson Institute of Archaeology, University of California Los Angeles, 2006; *Agricultural History Review* 55:324-325
- 2009 *Trincheras Sites in Time, Space, and Society*, Suzanne K Fish, Paul R. Fish, and Elisa Villalpando (eds.), University of Arizona Press, Tucson, 2008; *Geographical Review* 99:281-283.
- 2009 *Climate and Society in Colonial Mexico: A Study in Vulnerability*, Georgina H. Enfield, Blackwell Publishing, Oxford, 2008; *The Holocene* 19:805-806.
- 2010 *Prehispanic Settlement Patterns in the Northwestern Valley of Mexico: The Zumpango Region*. Jeffrey R. Parsons, et al., Museum of Anthropology, University of Michigan, Memoir No. 45. Ann Arbor 2008; *Journal of Latin American Geography* 9.1:186-188.
- 2010 *Creating Abundance: Biological Innovation and American Agricultural Development*, Alan L. Olmstead and Paul W. Rhode, Cambridge University Press. Cambridge, 2008; *Agricultural History Review* 58:150-151.

- 2011 *Imperfect Balance: Landscape Transformations in the Precolumbian Americas*. David L. Lentz (ed.) Columbia University Press. New York, 2000; *Journal of Latin American Geography* 10:250-251.
- 2011 *Explaining Human Actions and Environmental Changes*, Andrew P. Vayda, AltaMira Press, Lanham, 2009; *Dialogues in Human Geography* 1:373-375.
- 2013 *Frontier Naturalist: Jean Louis Berlandier and the Exploration of Northern Mexico and Texas*. Russell M. Lawson, University of New Mexico Press. Albuquerque, 2012; *Journal of Latin American Geography* 12:263-264.
- 2014 *Biodiversity in Agriculture: Domestication, Evolution, and Sustainability*. Paul Gepts, et al. (eds.) Cambridge University Press. New York, 2012; *The Holocene* 24:1017.
- 2016 *Contested Spaces of Early America*. Juliana Barr and Edward Countryman (eds.) University of Pennsylvania Press, Philadelphia, 2014; *Geographical Review* 106:e7-e9. DOI 10.1111/J.1931-0846.2015.12117.x
- 2016 *Dreaming of Dry Land: Environmental Transformation of Colonial Mexico City*, Vera S. Candiani, Stanford University Press, Stanford, 2014, *Journal of Historical Geography* 52:108.
- 2016 *Traditional Arid Lands Agriculture: Understanding the Past for the Future*, Scott E. Ingram and Robert C. Hunt (eds.) The University of Arizona Press, Tucson, 2015, *Journal of Anthropological Research* 72:569-571.
- 2017 *Crimea and the Black Sea: An Environmental History*, Carlos Cordova, I. B. Tauris, 2016, *The AAG Review of Books* 5:172-173.
- 2017 *Los Primeros Mexicanos: Late Pleistocene and Early Holocene People of Sonora*, Guadalupe Sánchez, Anthropological Papers of the University of Arizona 76, The University of Arizona Press, Tucson 2016, *Bulletin of Latin American Research* 36:542-543.
- 2019 *Postcards from the Sonora Border: Visualizing Place through a Popular Lens, 1900s-1950s*, Daniel D. Arreola, The University of Arizona Press, Tucson, 2017, *The AAG Review of Books* 7:106-107.
- 2023 *The Lakes of the Basin of Mexico: Dynamics of a Lacustrine System and the Evolution of a Civilization*, Carlos E. Cordova, Springer, 2022, *The AAG Review of Books* 11:27-28. <https://doi.org/10.1080/2325548X.2023.2208300>

Special Publications:

- 1976 *Principal Interaction Fields of Missouri Regional Centers*. Assisted Richard G. Boehm and William B. Wagner. (Columbia: University of Missouri Extension Division).
- 1980-'86 *Cultural Ecology Newsletter*. Edited vols. 1-7.
- 1984 Donald D. Brand (obituary), Southwest Mission Research Center, *SMRC-Newsletter* 18.59:3.
- 1985 Donald Dilworth Brand (obituary), *Anthropology Newsletter* 26.3:3.
- 1987 Plates 5 and 7 (photographs). In *The Frontier People: The Greater Southwest in the Protohistoric Period*, Carroll L. Riley. (Albuquerque: University of New Mexico Press):54, 69.
- 1987 Queretaro '89 Pre-Meeting Program Survey. *CLAG Communication* 62:4.
- 1988 International CLAG Meeting in Queretaro: First Notice. *CLAG Communication* 64:1-5 and inserts.
- 1988 '89 International CLAG Meeting in Queretaro, Mexico: Second Notice. *CLAG Communication* 65:1-5 and inserts.

- 1988 The Honey Bee in New Spain and Mexico. *Journal of Cultural Geography* 9:71-82. Edited and facilitated the posthumous publication of a paper by Donald D. Brand.
- 1988 Back cover blurb *Good Farmers: Traditional Agricultural Resource Management in Mexico and Central America* (paperback edition), Gene C. Wilken (Berkeley and Los Angeles: University of California Press).
- 1989 '89 International CLAG Meeting in Queretaro, Mexico: Final Notice. *CLAG Communication* 66:1-4 and inserts.
- 1989 Taking Care of Business, *Cultural Ecology Newsletter* 13:3-4.
- 1989 Mexico Study Trips Prepare Students to Conduct Graduate Research in Lands, *ILAS Newsletter* 22.2:9.
- 1989 *Field Trip Guide: 1989 Conference of Latin Americanist Geographers*. Compiler (Austin: University of Texas, Department of Geography).
- 1989 Post-Conference Trip to Mexico City. In *Field Trip Guide: 1989 Conference Latin Americanist Geographers*, William E. Doolittle, comp. (Austin: University of Texas, Department of Geography): 179-196.
- 1989 Subversion of Logic and Abandonment of Chinampa Agriculture. *The DESFIL Newsletter* 3.2:3.
- 1989 1989 Conference of Latin Americanist Geographers. *The Professional Geographer* 41: 493-494.
- 1989 Queretaro Meeting Was Gran y Grande. *CLAG Communication* 67:1.
- 1990 Letter to the Editor. *Cultural Ecology Newsletter* 17:2.
- 1990 Figures 4.1, 4.2, 4.4-4.13, 4.15, 4.16 (photographs). In *Archaeology of the Ak-chin Indian Community West Side Farms Project: The Land and the People*, Robert E. Gasser, Christine K. Robinson, Cory Dale Breternitz, comps. (Phoenix: Soil Systems Publications in Archaeology 9.2): 4.5, 4.6, 4.8, 4.9, 4.12, 4.13-4.18, 4.24, 4.25.
- 1991 Physical Environments. In *The San Antonio River Valley: Notes for the Participants of the Gran Quivira Conference XX*, Adán Benavides, Jr., ed. (San Antonio: Casa Editorial Benavides): 1.
- 1991 Appendix A. Field Trip (Saturday, 12 October 1991): 2. *San Antonio Acequias and Missions*. Co-authored with I. Wayne Cox and Rosalind Rock. In *The San Antonio River Valley: Notes for the Participants of the Gran Quivira Conference XX*, Adán Benavides, Jr., ed. (San Antonio: Casa Editorial Benavides):16-25.
- 1992 *Field Trip Guide: "Mission Espiritu Santo and Presidio La Bahia"* (Seguin, TX: Texas Lutheran College, Krost Symposium).
- 1992 – News items and book and article reviews. In *SMRC-Newsletter* vols. 26-35, *SMRC Revista* vols. 36-.
- 1992-94 Letters from the Chair. *CLAG Communication* vols. 75-81:1-2.
- 1993 1994 CLAG Meeting Field Trip to the Sierra Madre. *CLAG Communication* 78:4,6.
- 1993 Figure 7 (photograph). In *North American Cattle-Ranching Frontiers: Origins, Diffusion, and Differentiation*, Terry G. Jordan (Albuquerque: University of New Mexico Press), 27.
- 1993 The Ciudad Juarez Meeting. *CLAG Communication* 79:2-4.
- 1993 Angel Bassols Batalla: Preston E. James Eminent Latin Americanist Career Award. *Yearbook, Conference of Latin Americanist Geographers* 19:113-114. Co-authored with Carlos Córdova F. de A.

- 1994 The Forest for the Trees. *Newsletter of the Latin American Specialty Group* Winter:2-3.
- 1994 The 1994 CLAG International Meeting. *CLAG Communication* 80:2-8.
- 1995 *SWAAG Newsletter*. Edited vol. 4, no. 1.
- 1996 Texas. *The World Book Encyclopedia*. Co-reviewed with Clifford L. Egan. (Chicago: World Book Publishing) T:184-210.
- 1996 Closer Than You Think. *SWAAG Newsletter* 5.1:1.
- 1996 Figures 3.4, 3.6, and 3.7 (photographs). In *The Aztecs*, Michael E. Smith (Oxford: Blackwell), 72, 75, 76.
- 1998 Karl W. Butzer: The 1997 Carl O. Sauer Distinguished Scholar Award. *Yearbook, Conference of Latin Americanist Geographers* 24:131-132. Co-authored with Joseph L. Scarpaci
- 2000 *Field Trip Guide to Northern Mexico*. (Austin: Conference of Latin Americanist Geographers). Co-authored with Elisabeth K. Butzer, Karl W. Butzer, and Maria F. Wade.
- 2000 *San Antonio Field Trip Guide*. (Austin: Conference of Latin Americanist Geographers).
- 2000 Karl W. Butzer: 1999 Robert McC. Netting Award. *Cultural Ecology Specialty Group of the Association of American Geographers* <http://www.stetson.edu/artsci/cape/honors/butzer.php>
- 2002 *Guerrero Viejo: Field Trip Guide to a City Found and Lost*. (Laredo: Southwest Division, Association of American Geographers). Co-authored with Oscar I. Maldonado.
- 2003 Figures 3.4, 3.5 (photographs). In *The Aztecs*, second edition, Michael E. Smith (Oxford: Blackwell), 67, 69.
- 2003 *In the Footsteps of Sauer, Brand, Hewes, and West: Field Trip Guide to Rio Sonora Valley*. (Tucson: Conference of Latin Americanist Geographers) Co-compiled with Eric P. Perramond.
- 2003 Opata Speakers in Mexico, 1990; *Opata Tribes Research Project*, (<http://www.geocities.com/quitoyou/opatamain.html>).
- 2003 Recollections of Charlie. *SMRC Revista* 37 (137), 19-20.
- 2004 Andrew Sluyter: 2004 Blaut Award. *Cultural and Political Ecology Specialty Group of the Association of American Geographers* (<http://www.stetson.edu/artsci/cape/honors/sluyter.php>)
- 2004 Figures 3.1 and 4.3 (photographs). In *Gardens of New Spain: How Mediterranean Plants and Foods Changed America*, William W. Dunmire (Austin: University of Texas Press), 60, 100.
- 2005 Bernard Lee Fontana. *SMRC Revista* 39 (143-144), 19.
- 2005 Terry G. Jordan-Bychkov, 1938-2003, *Annals of the Association of American Geographers* 95(2): 462-470. Co-authored with Gregory W. Knapp.
- 2005 Figures 23.6 and 23.7 (photographs). In *Rivers of North America*, Arthur C. Benke and Colbert E. Cushing, editors (Amsterdam: Elsevier), 1054, 1059.
- 2006 Figures 6.9 and 6.10 (photographs). In *Latin America: Regions and People*, Robert B. Kent (New York and London: The Guilford Press), 109, 111.
- 2006 Dry-farming and the Rock-bordered Grid Fields of the Safford Basin. *Archaeology Southwest* 20.2:4-5 Co-authored with James A. Neely.

- 2007 Michael J. Watts: 2007 Robert McC. Netting Award. *Cultural and Political Ecology Specialty Group of the Association of American Geographers*, co-authored with Simon Batterbury.
(<http://www.stetson.edu/artsci/cape/Honors/Watts.htm>)
- 2008 Cover photograph. *A Prayer for Juan Garza: Drug Culture in the Lower Rio Grande Valley of Texas*, Robert Holz (Bloomington: AuthorHouse).
- 2008 *Guerrero Viejo: Field Guide to a City Found and Lost*. (Austin: Casa Editorial Hace Poco). Co-authored with Oscar I. Maldonado.
(<http://uts.cc.utexas.edu/~wd/various/GVFG.pdf>)
- 2010 Mexico fast forward: From the 19th to the 21st century in three decades. *Austin American Statesman*, Sunday, 20 June, F1, 4. Mexico has made a century of progress in just a few decades, (<http://www.statesman.com/opinion/insight/mexico-has-made-a-century-of-progress-in-757184.html>)
- 2010 Figure 4.1 (photograph). In *The History of Mexico: From Pre-Conquest to Present*, Philip L. Russell (New York and London: Routledge), 77.
- 2010 Photos of the month, Conference of Latin Americanist Geographers website, (<http://sites.maxwell.syr.edu/clag/clag.htm>), November.
- 2011 *Humanized Landscapes Before 1492*, tip-in map (co-authored with Charles C. Mann and Peter H. Dana). In *1491: New Revelations of the Americas Before Columbus*, Charles C. Mann (New York: Second Vintage Books Edition)
- 2011 *SWAAG Abstracts 2011 and Conference Program*, (Austin: Department of Geog Geography and the Environment, University of Texas). Editor.
- 2012 Figure 461 (photograph). In *Los Cristos Negros de Centroamerica: El Señor de Esquipulas y otros, con énfasis en Honduras y Nicaragua*, William V. Davidson (Managua: Fundación Uno), 210.
- 2013 Forward to the Past. *Current Anthropology* 54:286-287.
- 2013 Humanized Landscapes of the Americas Before 1492. A printable wall map with text co-authored with Charles C. Mann and Peter H. Dana.
(<http://www.utexas.edu/courses/wd/MannMap%202013.pdf>)
- 2014 The 4th century BC Aqua Appia is the oldest aqueduct in ancient Rome. Photograph in a panel of an exhibition titled *Aqueducts of Portugal: Spanning the Centuries*. The Metropolitan Waterworks Museum, Boston, MA.
- 2015 Campbell W. Pennington, AAG Memorials & Tributes
www.aag.org/cs/membership/tributes_memorials/mr/pennington_campbell
- 2015 Back cover blurb, *The Maya Forest Garden: Eight Millennia of Sustainable Cultivation of the Tropical Woodlands*, Anabel Ford and Ronald Nigh (Walnut Creek: Left Coast Press).
- 2015 Notes for the Next Century. *Kiva* 81:149-150.
- 2016 Foreword. In *The Social Organization of Hohokam Irrigation in the Middle Gila River Valley, Arizona*, M. Kyle Woodson (Sacaton: Gila River Indian Community Anthropological Research Papers 7), xi-xii.
- 2016 Karl W. Butzer: Interdisciplinary Mentor, *Proceedings of the National Academy of Sciences* 113.41:11382-11383.
- 2016 Figure 18.2 (Photograph) In *Aztec Agricultural Strategies: Intensification, Landesque Capital, and the Sociopolitics of Production* by Christopher T. Morehart. In *The Oxford Handbook of the Aztecs*, Deborah L. Nichols and Enrique Rodríguez-Alegría (Oxford: Oxford University Press), 268.

- 2016 Back cover blurb, *Master Builder of the Lower River Grande: Heinrich Portscheller*, W. Eugene George (College Station: Texas A&M University Press).
- 2017 San Antonio Field Trip Guide.
<http://www.la.utexas.edu/users/wd/SA%20Trip%20Guide.pdf>
- 2018 The Gold of El Pilar.
<http://www.la.utexas.edu/users/wd/The%20Gold%20of%20El%20Pilar.pdf>
- 2019 The Speed of Ancient American Migrations, *Science*
<http://science.sciencemag.org/content/362/6419/eaav2621/tab-e-letters>
- 2019-2020 In Memoriam: Campbell W(hite) Pennington. *SMRC Revista*. 53-54/176:14-17.
2020 Post-Secondary Teaching and Learning in a Pandemic.
<http://news.aag.org/2020/06/summer-series-on-questions-of-geo-ethics-and-human-rights-highlighted-by-covid-19-conditions/> Co-authored with Terence Day, I-Chun Catherine Change, Calvin King Lam Chung, Jacqueline Housel, and Paul L. McDaniel.
- 2021 Back cover blurb *From Aztec Matlatzinco to Modern Calixtlahuaca: The Geoarchaeology of a Terraced Landscape*, Aleksander Borejsza, Isabel Rodrigues López, Charles D. Frederick, and Michael E. Smith (Salt Lake City: University of Utah Press).
- 2023 Richard Allen Pales: In Memoriam. *Journal of the Southwest*. 64.3:419-422.
- 2023 U.S.-México Border, Nogales, AZ, & Tumacácori Mission: A Field Trip Guide, Conference of Latin American Geography, Tucson, AZ. <https://www.la.utexas.edu/users/wd/Santa%20Cruz%20Field%20Trip%20Guide.pdf>
- 2023 Commentary: Legislature undercuts Texas universities' reputation, future. *San Antonio Express-News*, 11 October. <https://www.expressnews.com/opinion/commentary/article/commentary-legislature-undercuts-texas-18417864.php>
Co-authored with Eli W. Cox III

Abstracts:

- 1976 Reilly's Law of Retail Gravitation: A Comparison with Empirically Derived Interaction Fields, *Missouri Geographer* 22.2:45.
- 1977 A Method of Measuring Agricultural Intensity for Systematic Analysis, *AAG Program Abstracts*, A. David Hill and Theodore C. Myers, eds., Salt Lake City, 120.
- 1978 Agriculture in Northwest Mexico: An Interface Between Traditional Techniques and the Green Revolution, *AAG Program Abstracts*, Robert C. West and Clarissa Kimber, eds., New Orleans, 147.
- 1979 Models of Settlement Growth and the Lowland Maya, co-authored with B.L Turner II, *Program and Abstracts XLIII International Congress of Americanists*, Vancouver, A131.
- 1979 Agriculture and Settlement in Pre-Hispanic Sonora, Mexico, *AAG Program Abstracts*, John R. Mather, ed., Philadelphia, 217.
- 1979 Pre-Hispanic Occupance in the Middle Rio Sonora Valley: From an Ecological to a Socioeconomic Focus. *Dissertation Abstracts International* 40A(5), 2764-2765.
- 1980 The Emergence of Prehistoric Settlement Hierarchies, *AAG Program Abstracts* Bruce Ryan, ed., Louisville, 152.

- 1981 Up an Arroyo Without a Milpa: Recent Changes in Traditional Agriculture in Eastern Sonora, Mexico, *Abstracts of the Symposium Rural Development Theory and Practice*, Paul Vander Meer, ed., Fresno, 20.
- 1982 The Opata Land of Maize: Beyond the Early Spanish Reports, *AAG Program Abstracts*, Daniel R. Fesenmaier and Richard L. Nostrand, co-comps., San Antonio, 47.
- 1983 Agricultural Change as an Evolutionary Process, *AAG Program Abstracts*, Michael M. Swann, Patricia Lambert Swann, Richard E. Lonsdale, comps., Denver, 79.
- 1984 Construction and Origin of Irrigation Canals, *AAG Program Abstracts*, Robert J. Earickson, comp., Washington, 417.
- 1985 The Use of Check Dams for Protecting Agricultural Lands, *AAG Program Abstracts*, Donald G. Cartwright and C. F. J. Whebell, comps., Detroit, 314.
- 1986 Early Irrigation in the American Southwest, *AAG '86 Abstracts*, Rose Fabia Roberts and David P. Lindahl, comps., Minneapolis, 215.
- 1987 Development and Diffusion of Canal Irrigation Technology in Prehistoric Mexico, *1987 AAG Program Abstracts*, Rose Fabia Roberts, and Elizabeth T. Webb, comps., Portland, 23.
- 1987 Survey Evidence of Dooryard Gardens in the Southwest, *Society for American Archaeology Program and Abstracts*, Toronto, 67.
- 1988 Prehistoric Agriculture in the Midwest: A View from Outside the Region and from Historic Times, *Abstracts of Papers, 46th International Congress of Americanists*, Amsterdam, 288.
- 1988 Whence It Came? The Origins of Prehistoric Canal Irrigation at Casas Grandes, Chihuahua. *Program and Abstracts, Southwest AAG*, Stillwater, 8.
- 1989 If the Southwest Isn't God's Country, Why Does He Vacation There?, *1989 Annual Meeting Program and Abstracts*, Kevin Fitzpatrick, Kevin Klug, Sally Meyers, and Maria Smith, comps., Baltimore, 46.
- 1989 Indigenous Contributions to Aqueduct Technology in Northern New Spain *Program and Abstracts, 1989 Conference of Latin Americanist Geographers*, Jennifer K. Cohen, assembler, Queretaro, Mexico, 47.
- 1990 Latitudes and Attitudes: The Southern Limits of North America, *AAG Annual Meeting, Program and Abstracts*, Tom Charlton, et al., comps., Toronto, 57.
- 1990 Reconstructing Spanish Irrigation Systems in the Southwest: San Saba, Janos, and Fronteras, *Program and Abstracts, 1990 Southwest Division Association of American Geographers*, 30.
- 1991 Spatial Differences in Aboriginal Agricultural Practices along the Atlantic Coast (co-authored with Michael D. Myers), *Abstracts, The Association of American Geographers, 1991 Annual Meeting*, Miami, 51.
- 1992 Native North American Cultivation Practices, 1492: Myths and Misunderstandings, *Abstracts, The Association of American Geographers 1992 Annual Meeting*, San Diego, 58.
- 1993 Distinguishing Prehistoric from Recent Water and Soil Control Features (co-authored with James A. Neely and Michael D. Pool), *Abstracts, Association of American Geographers, 1993 Annual Meeting*, Atlanta, 59.
- 1994 Las Aguas: When it Rains, it Pours in Sonora, *Abstracts, Association of American Geographers 90th Annual Meeting*, San Francisco, 88.

- 1995 Prehistoric Lithic-Bordered Grids in The Gila Valley, Arizona (co-authored with James A. Neely), *Abstracts, Association of American Geographers 91st Annual Meeting*, Chicago, 71.
- 1995 Finding the Lost Spanish Missions. *Seventh Annual Texas Geography and Technology Conference*. St. Monica School, Dallas, TX, 9.
- 1995 Domesticated Landscapes: Environmental Factors and Human Agency in Aboriginal North American Agriculture, *Abstracts of the 60th Annual Meeting, Society for American Archaeology*, Minneapolis, 67.
- 1995 The Native Imprint on "Spanish" Cities in Northern Mexico, Southwest Association of American Geographers, Annual Meeting (Program and Abstracts), Las Cruces, NM.
- 1995 The San Antonio River Valley and its Spanish Colonial Legacy: Canals, Cattle, Missions, and Military, *National Council for Geographic Education, 80th Annual Meeting Final Program*, San Antonio, 39.
- 1996 Sunset Crater and the Origins of Mulching in the American Southwest, *Abstracts, The Association of American Geographers 92nd Annual Meeting*, Charlotte, NC, 72.
- 1996 The Goat Hill Irrigation System, Southeastern Arizona (co-authored with James A. Neely), *Abstracts of the 61st Annual Meeting, Society for American Archaeology*, New Orleans, LA, 199.
- 1998 Lithic-Bordered Grids in the Gila Valley, Arizona, *1998 Abstract Volume. The Association of American Geographers 94th Annual Meeting*, Boston, MA.
- 1999 Soil Investigations at a Gridded Agricultural Field Complex in the Gila Valley, Southeast Arizona (co-authored with Jeffrey A. Homburg, Jonathan A. Sandor, and James A. Neely), *Abstracts of the 64th Annual Meeting, Society of American Archaeology*, Chicago, IL, 145.
- 1999 Reconstructing Prehistorically Cultivated Alluvial Land, *1999 Abstract Volume. The Association of American Geographers 95th Annual Meeting*, Honolulu, HI.
- 1999 Too Much Water in the Desert: The Adaptive Paradox of Sonora, *1999 Fall Conference Program*. Southwestern Division, Association of American Geographers, San Marcos, TX, 12.
- 2000 Technology Transfers: Aqueducts in Medieval Spain and Viceregal Mexico, *2000 Abstract Volume. The Association of American Geographers 96th Meeting*, Pittsburgh, PA.
- 2001 Observing the Actions of Individuals in the (Not-so) Obviously Changing World. *2001 Abstract Volume. The Association of American Geographers 97th Annual Meeting*, New York, NY.
- 2001 Negative Aspects of Living Fencerows in Eastern Sonora, Mexico, *Proceedings of the International Symposium on Land Degradation and Desertification*, Institute of Geography, Institute of Ecology, Institute of Anthropology, National Autonomous University of Mexico, Mexico City and Patzcuaro, 26.
- 2001 Rock-Bordered Grids in the Safford Valley, Arizona, *Pre-Actes, XIV^e Congres de l'Union Internationale des Sciences Prehistoriques et Protohistoriques*, Liege, Belgique, 380.
- 2002 Agro-Environmental Research in Sonora and Chihuahua, Mexico. *2002 Abstract Volume. The Association of American Geographers 98th Annual Meeting*, Los Angeles, CA.

- 2002 The Tehuacan Valley "Fossilized" Canal Mapping and Contextual Sampling Project (co-authored with James Neely, S. Christopher Caran, Richard Anderson, and Michael Aiuvalasit). *Abstracts of the 67th Annual Meeting, Society for American Archaeology*, Denver, CO, 216.
- 2003 Gardens 'R Us. *Abstracts. The Association of American Geographers 99th Annual Meeting*, New Orleans, LA, 101.
- 2003 Improvement and Degradation: Floodplain Changes and Agriculture. *Abstracts, Regional Geomorphology Conference Mexico 2003*, Geomorphic Hazards: Towards the Prevention of Disaster, International Association of Geomorphologists, Mexico City, 56.
- 2003 Dynamism and Irrigation Landscapes. Flowing Through Time: Exploring Archaeology Through Humans and Their Aquatic Environment, *Chacmool 2003*, Department of Archaeology, University of Calgary.
- 2004 From the Tropics to the Desert: The Role of Water Control in the Spread of Maize Cultivation to Southwestern North America. *Abstracts, Society for American Archaeology*, 69th Annual Meeting, Montreal, Quebec, 215.
- 2005 Canal Irrigation Systems, Landscapes, and Change. *Abstracts, International Water History Association*, 4th Conference, Paris, France, 40.
- 2006 Impacts of Prehistoric Agricultural Landscapes on Changes in Stream Channels In Mexico and the Southwest. *Abstracts, 2006 International Annual Meetings, American Society of Agronomy, Crop Science Society of America, Soil Science Society of America*, Indianapolis, IN, 290-9.
- 2007 Diversity Among Spanish Era Aqueducts in Mexico. *Abstracts, The Association of American Geographers 103rd Annual Meeting*, San Francisco.
- 2008 Aqueducts of Morelos. *Abstracts, The Association of American Geographers 104th Annual Meeting*, Boston.
- 2008 Expanding the European Landscape: Spanish Aqueducts in Mexico. *Book of Abstracts, Landscapes, Identities and Development*, The Permanent European Conference for the Study of Rural Landscapes, 23rd Session, Lisbon and Óbidos.
- 2009 *Northern Mists Visited* (Co-authored with William I. Woods). *CLAG NICA 2009*, Conferencia de Geógrafos Latinoamericanistas, Granada, Nicaragua.
- 2009 Cartographic Chronology of Aqueduct Construction in Viceregal México. *Abstract Volume, The Association of American Geographers, 2009 Annual Meeting*, Las Vegas.
- 2009 Sales On, Sails Up: It's Dia de la Raza. *SWAAG Conference 2009*, Little Rock.
- 2010 A View from the Other Side of the Fence. *Abstracts of the SAA 75th Anniversary Meeting*, p. 79, St. Louis. http://saa.org/Portals/0/D_I.pdf
- 2010 Mexico: From the 19th to the 21st Century in Three Decades. *Abstracts 2010 Annual Meeting of the Association of American Geographers*, Washington, DC. http://communicate.aag.org/eseries/aag_org/program/AbstractsDetail.Cfm?AbstractID=27188.
- 2010 Mapping Humanized Landscapes of the Americas, 1491. *SWAAG 2010 Program and Abstracts*. Tahlequah, OK, 11.
- 2011 Farming on and Transformation of Turtle Island, Native North America. *Abstracts AAAS Annual Meeting*, Science Without Borders, Washington, DC, 76.
- 2011 Humanized Landscapes Before 1492 (Co-authored with Charles C. Mann and Peter D. Dana). *Abstracts 2011 Annual Meeting of the Association of American Geographers*, Seattle, WA, 219.

- 2011 Farming on and transformation of Turtle Island, native North America. *Third European Congress on World and Global History: Programme, Connections and Comparisons*, London, UK, 141.
- 2012 The Overlooked Half of Boserup's Subtitle: What She Meant and Its Implications. *Abstracts 2012 Annual Meeting of the Association of American Geographers*, New York, NY
- 2012 Over the Canyon and Through the Desert: The Construction of Aqueducts in New Spain. *Resúmenes / Abstracts 54 ICA International Congress of Americanists: Building Dialogues in the Americas*. Vienna, Austria.
- 2012 Reconstructions of Global Agricultural History Based on Archaeological and Documentary Data (Co-authored with Janken Myrdal), *Abstracts, Holocene land-cover change in Eastern Asia for climate modeling*, Shijiazhuang, China, 31.
- 2013 A Thousand Years of Farming North America. *Abstracts 2012 Annual Meeting of the Association of American Geographers*, Los Angeles, CA.
- 2013 The Environmental Impact of Feeding One's Family. *8th International Conference (AIG) on Geomorphology, Abstracts Volume*. Paris, France, 439.
- 2014 Mapping a Millennium of North American Agriculture. *Proceedings of the Global Land Project 2nd Open Science Meeting*, Berlin, Germany, 59.
- 2014 First Nations Landscape Transformations: New Narrative. *Abstracts 2014 Annual Meeting of the Association of American Geographers*, Tampa, FL.
- 2014 The Mills of La Orotava. *Abstracts 2014 Annual Meeting of the Society for American Archaeology*, Austin, TX, 102.
- 2015 In the Spirit of Sauer and Brand: Geographical Reflections on the RSV Project, *Abstracts of the 80th Meeting of the Society for American Archaeology*, San Francisco, CA, 261.
- 2016 Grinding Wheat in the Canary Islands during the 16th Century: The Ancestral Mills of the New World. *Abstracts 2016 Annual Meeting of the American Association of Geographers*, San Francisco, CA.
- 2017 *Northern Mists Visited: Part 2.* (co-authored with William I. Woods) *Abstract Book: Papers and Posters, Conference of Latinamericanist Geographers*, New Orleans, LA, 21.
- 2017 Stacking Rocks to Transport Water: From Mallorca to México. *Abstracts 2017 Annual Meeting of the Association of American Geographers*, Boston, MA.
- 2017 Dirt, Rocks, and Water: Irrigation Here, There, Then, and Now. *Individual Abstracts of the SAA 82nd Annual Meeting*, Vancouver, BC, 146.
- 2018 The Neighborhood is Long Gone. *Abstracts 2018 Annual Meeting of the American Association of Geographers*, New Orleans, LA.
- 2018 Portuguese Origins of a 16th Century Aqueduct in Mexico. *Abstracts 35th Conference of Latin Americanist Geographers*, San José, Costa Rica, 20.
- 2019 Make Veracruz Great Again. *Abstracts 2019 Annual Meeting of the American Association of Geographers*, Washington, DC
- 2020 *Northern Mists Visited: Part 3.* (co-authored with William I. Woods) *CLAG 2020 Abstracts*, Antigua, Guatemala, 12. https://clagscholar.org/wp-content/uploads/2019/12/CLAG_ANTIGUA_2020_abstracts.pdf
- 2020 The Impact of Covid-19 on Undergraduate Teaching and Learning. AAG Virtual Conference, <https://aag.secure-abstracts.com/AAG%20Annual%20Meeting%202020/sessions-gallery/26852>.

- 2020 Viking Voyages: Physical Geography was in Their Favor (co-authored with Stephen J. Stadler) *AAG Southwest Division Regional Meeting 2020 Abstracts* Virtual Conference <https://aag-meetings.secure-platform.com/a/gallery/rounds/5/details/354>
- 2021 Smooth Sailing: Vikings and North Atlantic Waters and Weather (co-authored with Stephen J. Stadler) *AAAS Annual Meeting* <https://eposters.aaas.org/e-poster/smooth-sailing-vikings-and-north-atlantic-waters-a/>
- 2021 Physical Realities of the Viking North Atlantic (co-authored with Stephen J. Stadler) *American Association of Geographers Annual Meeting* <https://aag-annualmeeting.secure-platform.com/a/gallery/rounds/14/details/1269>.
- 2021 The Long-Term Impact of COVID-19 on Post-Secondary Teaching and Learning, *American Association of Geographers Annual Meeting*. <https://aag-annualmeeting.secure-platform.com/a/solicitations/13/session-gallery/schedule/items/1404>
- 2021 Aquatic Arcades of Spain and Mexico: Variations in Design and Construction. *PECSRL 2021: 29th Session of the Permanent European Conference for the Study of Rural Landscapes*, Online.
- 2022 Bridging Troubled Waters: Ancient Aqueducts of Spain and Mexico. *PECSRL 2022: Living Together in European Rural Landscapes*. Jaén and Baeza, Spain. 47.
- 2023 Roman and Moorish Aqueducts in Spain: Issues of Construction, *American Association of Geographers Annual Meeting*. <https://aag.secure-platform.com/aag2023/gallery/rounds/54/details/33800>

UNPUBLISHED COLLOQUIA PAPERS and INVITED LECTURES

(not listed in Abstracts):

- 1981 Huépac Revisited: The Modernization of a North Mexican Village. Southwest Division of the Association of American Geographers, Austin, Texas, 16 October.
- 1984 Agriculture and the Population of Eastern Sonora at Contact. Gran Quivira Conference XIII, Salinas National Monument, New Mexico, 4 October.
- 1986 Eastern Sonora, México: So Close, Yet So Far Away. Austin Chapter, International Good Neighbor Council, 17 October.
- 1987 Early Indians in México and Central America. Summer Geographic Institute, National Geographic Society and Southwest Texas State University, 27 July.
- 1987 Prehistoric and Traditional Farmers as Geomorphic Agents. Department of Geography, Arizona State University, 23 October.
- 1987 The Diffusion of Cattle Ranching to the Hispanic New World. The Evans Library and the Department of Geography, Texas A&M University, 9 November.
- 1989 Cultura, ecología, adaptación y supervivencia. Departamento de Idiomas, Universidad Autónoma de Querétaro, 4 April.
- 1989 Indigenous Contribution to Aqueduct Technology, Cultural Adaptation at the Edge of the Spanish Empire: A Northern View (Symposium), Benson Latin American Collection, University of Texas at Austin, 14 April.
- 1989 Third World Irrigators as Geomorphic Agents: Implications for the Hohokam and Other Civilizations. Reconstruction of Past Landscapes, Scholar-in-Residence Program, Miami University, Oxford, Ohio, 12 October.

- 1989 Techniques Employed in the Reconstruction of Southwestern U.S. Landscapes. Reconstruction of Past Landscapes, Scholar-in- Residence Program, Miami University, Oxford, Ohio, 13 October.
- 1989 Traditional Agriculture, Geography, and Development in the Third World. Department of Social Sciences, University of Texas at Tyler, 9 November.
- 1990 The Route of Cabeza de Vaca West of the Río Grande. The Center for the Study of the Southwest, Southwest Texas State University, San Marcos, 7 August.
- 1990 Prehistoric Water Control and Urbanization in the Basin of México. Department of History, University of Texas at Austin, 16 October.
- 1992 A Brief Geography of the Relationship Between the Sierra Madre Occidental and Mexico's Northwest Coast. Treasures of the Sierra Madre: A Two-Day Symposium on Ethnicity, Ecology, and Development in the Sierra Madre Occidental Chihuahua and Durango, México. Southwest Center, University of Arizona, Tucson, 25 January.
- 1992 Between Mexico and the United States: Land and Life in Texas. New Faculty Seminar, University of Texas at Austin, 19 August.
- 1992 Indigenous North American Agriculture as Seen Through Early European Eyes. The Encounter: A Quincentennial Commemoration, Student Enrichment Series Tyler Junior College, 6 October.
- 1992 Water Control in the Basin of México ca. 1520. Department of History. The University of Texas at Austin, 7 October.
- 1992 Understanding Early European Accounts of Native North American Agriculture. Department of Geography and Anthropology, Louisiana State University, 30 October.
- 1992 Comments on the Cultural Landscape of the Americas. After the Encounter: A Continuing Process (Symposium), National Park Service and Los Compadres de San Antonio Missions National Historical Park, San Antonio, 13 November.
- 1993 Late Prehistoric and Early Colonial Water Control in Central México. Department of Anthropology, University of Arizona, 7 October.
- 1994 Farmers, Development, and Landscape Change: A Discussion of Methodologies. Institute of Latin American Studies. The University of Texas at Austin, 14 October.
- 1994 The Borderlands: A Region with Either Too Many or Too Few Boundaries. National Council for Geographic Education, Lexington, KY, 4 November.
- 1994 Aboriginal and Spanish Irrigation in México: Technology and its Transfer. Department of Geography and Planning, Southwest Texas State University, San Marcos, TX, 18 November.
- 1995 The Evolution and Spread of Canal Irrigation Technology from Ancient México to the Historic Southwest, GTU/AAG Visiting Geographical Scientist Program, University of Akron, Youngstown State University, Kent State University, John Carroll University, 17-19 April.
- 1995 Across Time and Space: Transferring Water-Control Technology from Prehistoric México to the Historic Southwest. Department of Geography, University of Minnesota, 4 May.
- 1996 Irrigation Technology from Prehistoric Mesoamerica to the Historic Southwest. University of Texas Archaeological Society, 22 February.
- 1996 You and Me: The Southwest, Texas, and UT. Keynote address for the 40 Acres Celebration, part of the Students Helping Admissions' Recruitment Effort, The University of Texas at Austin, 30 March.

- 1996 Texas, the Southwest, and México: Perceptions and Understanding of Places. Workshop presentation, Texas Essential Knowledge and Skills Curriculum Development and Implementation Project (TEKSIP), Department of Geography, Texas A&M University, 11 June.
- 1996 Native American Agricultural Field Systems. Texas Archaeological Research Laboratory, 1 November.
- 1997 Merging Old and New World Aqueduct Technologies. John Carter Brown Library, Brown University, 29 January.
- 1997 Developing Water Control Technology: From Prehispanic Mexico to the Historic Southwest. Graduate School of Geography, Clark University, 4 February.
- 1997 Transferring "Spanish" Water Control Technology to Mexico: The Case of Aqueducts in Colonial Times. GTU/AAG Visiting Geographical Scientist Program, University of Kansas, Kansas State University, and Fort Hays State University, 15-19 September.
- 1999 Agriculture and Rural Land Use. Workshop presentation, AP Human Geography Train the Trainers Institute, Department of Geography, Texas A&M University, 21 June.
- 1999 Comments on Hydraulic Technologies and Agricultural Strategies. Chaco Synthesis: Ecology and Economy Conference, National Park Service, USGS Desert Laboratory, University of Arizona, Tucson, 28-30 October.
- 2000 Regions and Ecologies of Mexico, Central and Caribbean America. World 2000 Conference, Austin, TX, 11-12 February.
- 2000 Permanent vs. Shifting Cultivation in the Eastern Woodlands of North America. Symposium of Native American Cultural Ecologies: Past, Present, and Future, 50th International Congress of Americanists, Warsaw, Poland, 10-14 July.
- 2001 Oversimplification in Cultural Geography: The Case of Unsung Heros in Technology Transfers. Department of Geography, Oklahoma State University, 29 January.
- 2001 Discovering that Farmers Don't Operate According to the Academic Literature: Arroyo Irrigation in Sonora, Mexico. International Institute, Global Studies Program, Environment and Development Advanced Research Circle, University of Wisconsin at Madison, 2 February.
- 2001 "Invisible" Individuals as Agents of Landscape Change: Mallorcans in the Colonial New World. Department of Geography, Institute for Environmental Studies, and Latin American, Caribbean and Iberian Studies Program, University of Wisconsin, Madison, 2 February.
- 2001 The Mysterious Rock Grids of the Gila Valley. Environmental Sciences Institute Outreach Program, University of Texas, Austin, 20 April.
- 2003 Prehistoric Water Harvesting and Irrigation in the American Southwest. Texas Archaeological Research Laboratory, University of Texas, Austin, 16 April.
- 2003 Spanish Cattle in Mexico and Texas. The Texas Exes Alumni College, University of Texas, Austin, 18 June.
- 2003 Farming in the Forest? A Reassessment of Documentary Data on Native Agriculture in Eastern North America. Department of Geography/Anthropology, University of Southern Maine, 3 October.
- 2004 Modeling the Early Agricultural Frontier in the Desert Borderlands (co-authored with Jonathan B. Mabry), Southwest Symposium, Chihuahua, 9 January.

- 2004 Short-Term Good, Long-Term Evil? A Question about Traditional Resource Management from Observations Made of Mexican Riverbanks, LLILAS Fellows, University of Texas, Austin, 6 February.
- 2004 Finding the Lost Spanish Missions of Central Texas. People and Place: Human Geographic Relations (a teachers' workshop), Hemispheres: The International Area Studies Consortium, University of Texas, 8 June.
- 2004 You Can Observe a Lot by Just Watching. Department of Geography, University of Southern Mississippi, 11 October.
- 2004 Traditional Farmers, Environmental Stewards? A Question from Mexican Riverbanks, GTU/AAG Visiting Geographical Scientist Program, University of Southern Mississippi, William Carey College, 11 October.
- 2005 Understanding Landscape Dynamics: An Exercise with Maps. The Texas State Historical Association, 109th Annual Meeting, Fort Worth, 4 March.
- 2006 Deconstructing Myth, Reconstructing Reality. Tucson's Mission and Garden: Reconstructing Daily Life and Agriculture in the O'odham/Spanish Borderlands, Conference, Tucson, 23-25 March.
- 2006 On Fieldwork. 21st Street Co-op, Austin, 28 March.
- 2006 Landscape Dynamics and Canal Irrigation. UT Anthropological Society, Austin, 17 April.
- 2006 Moooving into Texas: The Origins of Open-Range Herding. Daughters of the American Revolution, Austin, 19 October.
- 2007 Comments on the History of the Engaruka Irrigation System in Tanzania: Interdisciplinary Approaches. African Environmental History: An International Workshop on Future Research Cooperation. Kungl. Vitterhets Historie och Antikvitets Akademien, Stockholm, Sweden, 25 April.
- 2007 Savages, Swidden, and Scandinavians. Kulturgeografiska Institutionen, Stockholms Universitet, 27 April.
- 2007 Upslope and Downstream: Life in the Sierras of Northern Mexico. Department of Geography, Texas A&M University, 9 November.
- 2008 Trails to Texas: The Antecedents of Ranching. Department of Social Sciences, Tarleton State University, 11 April.
- 2008 Unseen Processes of Landscape Dynamics, Brown Day Lecture, Department of Geography, University of Minnesota, 25 April.
- 2008 Pyramid Builders Had to Eat. "In the Footsteps of Maya and the Inca Peoples: The Indigenous Inheritance of Mexico and Peru," Fulbright-Hays Seminars Abroad Program, Teresa Lozano Long Institute of Latin American Studies, University of Texas, Austin, 30 June.
- 2009 Farming for Profit in a Hungry World, OxfamUT's Annual Hunger Banquet, University of Texas, 3 February.
- 2009 Fields of Green: Agriculture and Economy in Latin America, "Act Local – Think Global," A Program of the Global Leadership Center in partnership with the Student Events Center, University of Texas, 12 February.
- 2009 Gazing, Looking, Seeing: A Walking Adventure. UT Geographical Society, University of Texas, 9 April.
- 2009 Townscapes of Mexico: The Past in the Present. *Hemispheres* 2009 Summer Institute, "Sense of Place: Intersecting Geography, History, and Culture," Teresa Lozano Long Institute of Latin American Studies, University of Texas, Austin, 11 June.

- 2009 Pyramid Builders Had to Eat. “Down the Roads of Southern Mexico: History, Traditions and Modern Challenges,” Fulbright-Hays Seminars Abroad Program, Teresa Lozano Long Institute of Latin American Studies, University of Texas, Austin, 29 June.
- 2009 Spanish Use of Native Craftsman in the Construction of Colonial Mexican Aqueducts. Power, Land, and Materiality: Global Studies in Historical-Political Ecology as a Framework for Assessing Policies for “Sustainable Development,” Lunds Universitet, Lund, Sweden, 3 August.
- 2009 Antecedents of Amber Waves of Grain. First World Congress of Environmental History, Copenhagen, Denmark, 4 August.
- 2009 Cows not Crawfish: Whence they Came. GTU/AAG Visiting Geographical Scientist Program, Department of Geography, University of New Orleans, 16 November.
- 2009 On Aqueducts. Department of Geography and the Environment, University of Texas at Austin, 20 November.
- 2010 Agricultural Resources of Central America. Department of Geography, Middlebury College, 9 March.
- 2010 Ancient Cartography in the Greater American Southwest. Spring meeting of the Texas Map Society, Austin, 10 April.
- 2010 Pyramid Builders Had to Eat. “Inside Mexico: A Journey through History and Society,” Fulbright-Hays Seminars Abroad Program, Teresa Lozano Long Institute of Latin American Studies, University of Texas, Austin, 28 June.
- 2011 Agricultural Landscapes Aren’t Always What They Seem, Sustainability Program, University of Denver, 4 February.
- 2011 Eating as Landscape Transformation: Past, Present, and Peculiarities, First Laurance C. Herold Memorial Lecture, Department of Geography, University of Denver, 4 February.
- 2011 Powers of Observation: Discovery and Epiphanies, Colorado College, Colorado Springs, 5 February.
- 2011 Pyramid Builders Had to Eat. “Mexico in the XXIst Century: Dealing with Social and Cultural Diversity,” Fulbright-Hays Seminars Abroad Program, Teresa Lozano Long Institute of Latin American Studies, University of Texas, Austin, 27 June.
- 2011 Agricultural Land Doesn’t Exist: It is Made..., Sometimes in Ways That Aren’t Immediately Apparent. East Invites South: Field Workshop on Precolonial Agriculture and Intensification, British Institute in Eastern Africa, Nairobi, Kenya, 14 September.
- 2011 Change: Now You See It...No You Don’t. Landscape Research Group, Kulturgeografiska Institutionen, Stockholms Universitet, 20 September.
- 2011 The Economics of Agrarian Change: Making Farmland. The Historical Ecology of Landesque Capital: An International and Interdisciplinary Workshop, Sveriges Lantbruksuniversitet, Uppsala, Sweden, 21 September.
- 2012 El Camino. Department of Geography and the Environment, The University of Texas at Austin, 10 February, 4 April.
- 2012 Bridging Colonial Spain’s Troubled Waters: The Pier. International Good Neighbor Council, Austin, TX, 15 May.
- 2012 Pyramid Builders (and Others) Had to Eat. “Summer Teachers’ Institute: The City.” Teresa Lozano Long Institute of Latin American Studies, University of Texas, Austin, 12 June.

- 2012 Our Canal is Indigenous, Yours is...: Whence the Technology Came. "Celebrando las Acequias: Indigenous Landscapes, Indigenous Infrastructure and Sustainable Design for Drylands," Dixon, New Mexico, 14 June.
- 2012 Supporting Colonial Spain's Bridge Under Troubled Waters, Department of Geography and the Environment, University of Texas, Austin, TX, 14 September.
- 2012 Las Canarias: The Pier Supporting Colonial Spain's Troubled Waters Bridge. Pan-American Round Table, Austin, TX, 5 Nov.
- 2014 Globalization, Diffusion, and von Thunen. Advanced Placement Summer Institute, Austin, TX, 15 July.
- 2015 Latourian Landscapes of Pre-Colonial American. Landcover6K IGBP-Pages Conference. University Pierre et Marie Curie, Paris, 20 February.
- 2015 The Origins of Open-Range Cattle Herding in Texas, Kulturgeografiska Institutionen, Stockholms Universitet, 24 September.
- 2015 Expanding Infrastructure: Elevating Irrigation Canals, Kulturgeografiska Institutionen, Stockholms Universitet, 29 September.
- 2015 The Swampy Origins of Cattle Ranching in Texas, UT Quest, Osher Lifelong Learning Institute, University of Texas, 1 October.
- 2016 Not-so Royal Roads: *Caminos Reales* in Texas. School of Architecture, University of Texas, 3 February.
- 2016 Operating Incrementally and Accepting Change. Department of Geography, Texas Christian University, 15 September.
- 2017 The Importance of the Seemingly Insignificant and Going Far Afield, Department of Geography, Oklahoma State University, 3 March.
- 2020 Bridging Borders, Feeding Migrants, Covenant Presbyterian Church, Austin, 27 January.
- 2020 Bridging Borders, Feeding Migrants, Department of Geography and the Environment, The University of Texas at Austin, 30 January, 30 April.
- 2021 Aquatic Arcades of Spain and Mexico: Variations in Design and Construction, Permanent European Conference for the Study of Rural Landscapes, Virtual Conference, 29 September.
- 2022 The Spanish and Mexican Origins of Texas Cattle Ranching, Royal Geographic Society with the Institute of British Geographers: Cheshire and North Wales Regional Event, 25 January.
- 2022 Texas Cattle Ranching: Details of Mexican and Spanish Origins, Liberal Arts and Science Academy, Austin Independent School District, 2 February.

DOCTORAL DISSERTATIONS SUPERVISED:

- 1992 Dean Paul Lambert, "Changes in a Tropical Dry Forest Shifting Cultivation System, Guerrero, Mexico." (First position: Oklahoma State University, Geography)
- 1995 Andrew Sluyter, "Changes in the Landscape: Natives, Spaniards, and the Ecological Restructuration of Central Veracruz, Mexico During the Sixteenth Century." (First position: Penn State University, Geography)
- 1995 Emily Harriet Young, "Elusive Edens: Linking Local Needs to Nature Protection in the Coastal Lagoons of Baja California Sur, Mexico." (First position: University of Arizona, Geography).

- 1996 Norman Denny Johns, "Brazil's Chocolate Forest: Environmental and Economic Roles of Conservation in Bahia's Cocoa Agroecosystem." (First position: National Wildlife Federation, Austin).
- 1998 Michael David Myers, "Cultivation Ridges in Theory and Practice: Cultural Ecological Insights from Ireland." (First position: Louisiana State University, Anthropology and Geography)
- 1999 Eric Philippe Perramond, "Desert Meadows: The Cultural, Political, and Ecological Dynamics of Private Cattle Ranching in Sonora, Mexico." (First position, Stetson University, Geography)
- 1999 Philip Lawrence Crossley, "Sub-irrigation and Temperature Amelioration in Chinampa Agriculture." (First position, Western State College of Colorado, Environmental Studies).
- 2000 Claudia Lea Oakes, "History and Consequence of Keystone Mammal Eradication in the Desert Grasslands: The Arizona Black-tailed Prairie Dog (*Cynomys ludovicianus arizonensis*)", co-supervised with Robin W. Doughty. (First position: SWCA, Inc., Albuquerque).
- 2002 Michael David Pool, "Prehistoric Mogollon Agriculture in the Mimbres River Valley, Southwestern New Mexico: A Crop Simulation and GIS Approach," Anthropology, co-supervised with James A. Neely (First position, Austin Community College, Anthropology)
- 2002 Bella Bychkova Jordan, "A Geographical Perspective on Ethnogenesis: The Case of the Sakha Republic (Yakutia)," co-supervised with Robert K. Holz.
- 2003 Jerry Owen Bass Jr., "More Trees in the Tropics: Repeat Photography and Landscape Change in Honduras, 1957-2001," (First position: University of Southern Mississippi, Geography and Geology).
- 2003 Maria Grace Fadiman, "Fibers from the Forest: Mestizo, Afro-Ecuadorian, and Chachi Ethnobotany of Piquiqua (*Heteropsis ecuadorensis*, *Araceae*) and Mocora (*Astrocaryum stanleyanum*, *Arecaceae*) in Northwestern Ecuador," co-supervised with Francisco L. Perez (First position, Florida Atlantic University, Geography).
- 2005 William Stuart Kirkham, "Valuing Invasives: Understanding the *Merremia Peltata* Invasion in Post-Colonial Samoa," co-supervised with Gregory W. Knapp (First position: California State University-Stanislaus, Geography).
- 2008 Matthew Joseph Fry, "Construction Materials and Landscape Change: Blocks, Pits, and Aggregates in Central Veracruz, Mexico," (First position: Post-Doc, Washington University at St. Louis, Anthropology; University of North Texas, Geography).
- 2014 Matthew Cole LaFevor, "Conservation Engineering and Agricultural Terracing in Tlaxcala, Mexico," (First position: University of Alabama, Geography).
- 2016 Joshua Martin Rudow, "Uphill Cultivation: Farmers in the Changing Environments of the Rio Ica Watershed, Peru," (First position: Urban Conservationist, City of Austin, Texas).
- 2023 Xochizeltzín Castañeda Camacho, "Changes in Vegetation Cover and Social Composition in Three Protected Areas in Northern Mexico, Co-supervised with Eugenio Arima. (First position: Post-Doc, Centro de Investigaciones en Geografía Ambiental-UNAM, Morelia, Michoacán, México; St. Olaf College, Environmental Science).

2023 Blaise Scarlett Murphy, "Terracing in the Andagua Valley, Southern Peru: A Socio-Geomorphic Landscape in the Anthropocene," Co-supervised with Carlos Ramos-Scharrón. (First Position: TRC Inc., Austin).

OTHER THESES SUPERVISED:

Master's Theses	28
Bachelor's Honors Theses	12

PRINCIPAL COURSES TAUGHT:

Environment, Development, and Food Production--undergraduate and graduate
 Field Techniques--undergraduate
 Landscapes of México and Caribbean America--undergraduate
 Land and Life: The American Southwest--undergraduate