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EDUCATION:

B.B.A. 1971 Business Administration: Marketing, University of Wisconsin-Milwaukee
M.A. 1972 Anthropology, University of Wisconsin-Milwaukee
Ph.D. 1974 Anthropology, University of Wisconsin-Milwaukee

PROFESSIONAL POSITIONS

1993-present Professor, Dept. of Anthropology, Pennsylvania State University, University Park
2023-present Associate Faculty, Dept. of Anthropology, Universidad Nacional Autónoma de Honduras, Tegucigalpa.
2021-present Editor, Element series on *Ancient and Premodern Economies*, Cambridge University Press.
2016-present Editor, *Palgrave Studies in Ancient Economies*, Palgrave-Macmillan Press.
2014-2020 Senior Fellow, Dumbarton Oaks Library and Research Collection, Harvard University, Washington, D.C.
1990-present Editorial Board, *Ancient Mesoamerica*. Cambridge University Press Journal.
2011-2013 Editor, *Ancient Mesoamerica*. Cambridge University Press Journal.
1991-1993 Professor, Department of Anthropology, University of Kentucky, Lexington.
1987-1991 Director, Latin American Studies Program, University of Kentucky, Lexington.
1982-1991 Associate Professor, Anthropology, University of Kentucky, Lexington.
1978-1982 Assistant Professor, Anthropology, University of Kentucky, Lexington.
1978 Visiting Professor in Anthropology, Universidad Nacional Mayor de San Marcos, Lima, Peru, (August-December).
1976-1978 Visiting Assistant Professor, Department of Anthropology, Western Michigan University, Kalamazoo.
1975-1976 Investigator, Centro Regional de Morelos, Instituto Nacional de Antropología e Historia, Cuernavaca, Mexico.
1972 & 1973 Archaeology Summer Supervisor, Universidad de las Americas, Cholula, Mexico.
1972 Research Assistant, Tehuacan Valley Project, R.S. Peabody Foundation.

SCHOLARLY AWARDS

2010 Senior Fellowship, Dumbarton Oaks Library and Research Collection, Washington D.C. (Summer)
2000 The Chairman's Award, For Career Achievement in Archaeology, Council for Research and Exploration, The National Geographic Society.
1998 The Society of American Archaeology Excellence in Lithic Studies Award
1989-90 Research Fellow, The Howard Foundation, Brown University (Academic Year)
1987 Fulbright-Hays Research Award, Instituto Hondureño de Antropología e Historia, Tegucigalpa.

- 1985 Fulbright-Hays Senior Research Fellowship, Instituto Hondureño de Antropología e Historia, Tegucigalpa.
- 1978 Fulbright-Hays Senior Teaching Fellowship, Anthropology and Archaeology Program, Universidad Nacional Mayor de San Marcos, Lima, Peru.
- 1973 CIC Traveling Scholar, Dept. of Anthropology, University of Illinois, Urbana.

PUBLICATIONS

BOOKS AND MONOGRAPHS

- n.d. *Archaeological Research in the El Cajon Region, Honduras: Bioanthropology, Mortuary Analysis, and Population*. Edited by K. Hirth, G. Lara Pinto and G. Hasemann, University of Pittsburgh Memoirs in Latin American Archaeology, (in preparation)
- n.d. *Premodern Economies: A Comparison*. Edited by Kenneth Hirth and Timothy Earle. Cambridge University Press, Cambridge. (under review)
- 2024 *Urbanism and Storage at Cajamarquilla, Peru. The Mapping Project*. Kenneth Hirth, Jorge Silva Sifuentes, Susan Hirth, and Kendal McGill. Occasional Papers in Anthropology No. 36. Penn State University.(in press)
- 2023 *Percusión y Presión. La Economía de la Lítica Tallada de los Olmecas de San Lorenzo*. Kenneth Hirth and Ann Cyphers. Universidad Nacional Autónoma de México, México City.
- 2023 *Ritual and Economy in a Central Honduran Chiefdom. The El Cajón Region of Honduras*. Kenneth Hirth, Susan Hirth, George Hasemann, and Gloria. Lara-Pinto). University Press of Colorado, Denver.
- 2023 *The Pre-Columbian Lapidary Art of Salitrón Viejo, Honduras*. Kenneth Hirth, Susan Hirth, George Hasemann, and Gloria Lara-Pinto. Occasional Papers in Anthropology No. 35. Penn State University.
- 2023 *Once Upon a Time in Archaeology. A Research Diary from Central Honduras*. Kenneth Hirth, Occasional Papers in Anthropology No. 34. Penn State University.
- 2020 *The Organization of Ancient Economies: A Global Perspective*. Cambridge University Press, Cambridge.
- 2020 *Olmec Lithic Economy at San Lorenzo Tenochtitlan*. Kenneth Hirth and Ann Cyphers. University Press of Colorado, Denver.
- 2020 *Teotihuacan: The World Beyond the City*. Edited by Kenneth Hirth, David Carballo, and Barbara Arroyo. Dumbarton Oaks Library and Research Collection, Washington D.C.
- 2016 *The Aztec Economic World: Merchants and Markets in Ancient Mesoamerica*, Kenneth Hirth. Cambridge University Press, Cambridge.
- 2016 *Transporte y producción artesanal en los albores del mundo olmeca/Transportation and craft production at the dawn of the Olmec world*, Ann Cyphers and Kenneth Hirth. Universidad Nacional Autónoma de México, México City.
- 2013 *Merchants, Markets and Exchange in the Pre-Columbian World*. Edited by Kenneth Hirth and Joanne Pillsbury, Dumbarton Oaks Library and Research Collection, Washington D.C.

- 2011 *Producción Artesanal y Especializada en Mesoamerica: Áreas de Actividad y Procesos Productivos*. Edited by Linda Manzanilla and Kenneth Hirth, Universidad Nacional Autónoma de México, México City.
- 2009 *Housework: Craft Production and Domestic Economy in Ancient Mesoamerica*, Kenneth Hirth. Archaeological Publications of the American Anthropological Society No 19, Washington
- 2009 *Urbanism in Mesoamerica/El urbanism en Mesoamérica, volume 2*. Edited by A. Mastache, R. Cobean, A. García Cook, and K. Hirth. INAH and Penn State.
- 2008 *Ideología Política y Sociedad en el Periodo Formativo*. Edited by Ann Cyphers and Kenneth Hirth, Universidad Nacional Autónoma de México, México City.
- 2006 *Obsidian Craft Production in Ancient Central Mexico*. Edited by Kenneth Hirth, The University of Utah Press, Salt Lake City, Utah
- 2003 *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited by Kenneth Hirth, The University of Utah Press, Salt Lake City.
- 2002 *Pathways to Prismatic Blades. Studies in Mesoamerican Lithic Technology*, Edited by Kenneth Hirth and Bradford Andrews. Cotsen Institute of Archaeology, University of California, Los Angeles.
- 2000 *Ancient Urbanism at Xochicalco. The Evolution and Organization of a Prehispanic Society. Archaeological Research at Xochicalco Volume 1*. Edited by Kenneth Hirth, The University of Utah Press, Salt Lake City
- 2000 *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth. The University of Utah Press, Salt Lake City.
- 1993 *Household, Compound, and Residence: Studies of Prehispanic Domestic Units in Western Mesoamerica*. Edited by Robert Santley and Kenneth Hirth. CRC Press, Boca Raton.
- 1989 *Archaeological Research in the El Cajon Region, Volume 1, Prehistoric Cultural Ecology*. Edited by K. Hirth, G. Lara Pinto and G. Hasemann, The University of Pittsburgh and the Instituto Hondureño de Antropología e Historia, Pittsburgh and Tegucigalpa.
- 1988 *Tiempo y Asentamiento en Xochicalco, Morelos, Mexico*. Kenneth G. Hirth and Ann Cyphers Guillen. Universidad Nacional Autónoma de México, México City.
- 1984 *Trade and Exchange in Early Mesoamerica*, University of New Mexico Press, Albuquerque.
- 1983 *Ventanas al Pasado: Proyecto de Investigación y Salvamento Arqueológico El Cajón*. Kenneth Hirth, Gloria Lara Pinto and George Hasemann. Instituto Hondureño de Antropología e Historia, Tegucigalpa.
- 1980 *Eastern Morelos and Teotihuacan: A Settlement Survey*. Publications in Anthropology, Vanderbilt University, No. 25.

ARTICLES AND BOOK CHAPTERS

- n.d. The appearance and spread of specialized craft production: The case of obsidian blades, in *Las Olmecas de San Lorenzo: Un nuevo vistazo*, A. Cyphers and V. Arieta Baizabal eds., UNAM, México City (in press).

- n.d. Reassessing the Teotihuacan Corridor from the Inside Out: Comparing archaeological materials across the Puebla-Tlaxcala Valley, Mexico. *Ancient Mesoamerica*. (B. Gentil and K. Hirth) (under review)
- 2023 Introducing Economy in the Ancient World, in *Interpreting Ancient Economics in the Modern world: The Bible and Economy*, Matthew Coomber ed.
- 2021 The Paleoindian to Archaic transition in Central America: Esperanza phase projectile points recovered at the El Gigante rockshelter site, Honduras, in *Preceramic Mesoamerica*, J. Lohse, A. Borejsza, and A. Joyce eds., pp. 259-277. Routledge, New York. (Iceland, H. and K. Hirth)
- 2021 New Perspectives on migration into the Tlajinga district of Teotihuacan: a dual-Isotope approach. *Latin American Antiquity* 32:536-556. (G. Buckley, R. Storey, F. Longstaffe, D. Carballo, K. Hirth, and V. Renson) (in press)
- 2021 Aztec and Tlaxcalan economic interaction: Blockage or interregional exchange. *Latin American Antiquity* (B. Gentil, G. Vicencio, and K. Hirth) 32:723-740.
- 2020 Archaeological Central American maize genomes suggest ancient gene flow from South America, *PNAS, Proceedings of the National Academy of Sciences* 117(52):33124-33129. (, Logan, et al.)
- 2020 The Teotihuacan Economy from the Inside Out, in *Teotihuacan, The World Beyond the City* (K. Hirth, D. Carballo, B. Arroyo). pp. 58.
- 2020 Teotihuacan and The World beyond the City, in *Teotihuacan, The World Beyond the City* (K. Hirth, D. Carballo, B. Arroyo). pp. 34.
- 2020 Obsidian craft production and progressive core-blade technology in the Central Mexican highlands, in *Olmec Lithic Economy at San Lorenzo Tenochtitlan*. K Hirth and A. Cyphers eds., pp. 288-300. University Press of Colorado, Boulder. (K. Hirth, O. Espinosa Severino, N. Johnson, B. Gentil, and A. Cyphers).
- 2019 Altica, Coapexco, and the role of middlemen in Formative obsidian exchange. *Ancient Mesoamerica* 30:295-310. (Nadia Johnson and Kenneth Hirth)
- 2019 Aztec markets and their archaeological signatures, in *Weights and marketplaces from the Bronze Age to the Early Modern period*, Lorenz Rahmstorf and Edward Stratford eds., pp. 339-354. Wachholtz Verlag Kiel, Hamburg.
- 2019 Excavation of an Obsidian Craft Workshop at Teotihuacan, Mexico. *Ancient Mesoamerica*. 30:163-179. (K. Hirth, D. Carballo, M. Dennison, S. Carr, S. Imfeld, E. Dyrdaahl).
- 2019 New Research at Teotihuacan's Tlajinga District, 2012-2015. *Ancient Mesoamerica* 30:95-113. (D. Carballo, K. Hirth, D. Hernandez Sarinana, G. Buckley, A Mejia-Ramon, D. Kennett).
- 2018 The earliest obsidian blade workshop in Mesoamerica/ El primer taller de navajas prismáticas en Mesoamerica. *Arqueología Mexicana*. 150:42-48
- 2018 Xochicalco during the Epiclassic/ Xochicalco durante el Epiclásico. *Arqueología Mexicana*. 15:47-53.
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- 2017 The Sixteenth-Century Merchant Community of Santa Maria Acxotla, Puebla, in *Rethinking the Aztec economy*, D. Nichols, F. Berdan, M. Smith eds., pp. 68-101. University of Arizona Press, Tucson. (K. Hirth, S. Imfeld, C. Hirth)
- 2017 Introduction. Aztec economy and empire through the lens of objects, in *Rethinking the Aztec economy*, D. Nichols, F. Berdan, M. Smith eds., pp. 3-16. University of Arizona Press, Tucson. (F. Berdan, K. Hirth, D. Nichols, M. Smith)
2017. Wrapping Up Objects, Economy, and Empire: Scale, Integration and Change, in *Rethinking the Aztec economy*, D. Nichols, F. Berdan, M. Smith eds., pp. 278-291. University of Arizona Press, Tucson. (K. Hirth, M. Smith, F. Berdan, and D. Nichols)
- 2017 The structure of Aztec commerce: Markets and merchants. *The Oxford Handbook of Aztec Archaeology*. Oxford University Press, Oxford. pp. 281-300. (K. Hirth and D. Nichols)
- 2016 Quíomica o color?: Comparando el uso de flouorescneia de rayos-X portátil y técnicas visuales de clasificación de obsidianas de Tepeticpac, *Arqueología* 50:157-174.
- 2014 Navajas de obsidiana mesoamericanas. Una herramienta perfecta. *Arqueología Mexicana* 130:46-51.
- 2014 Formative period obsidian exchange along the Pacific Coast of Mesoamerica. *Archaeometry* 57:54-73. (C. Ebert, M. Dennison, K. Hirth, S. McClure, D. Kennett).
- 2013 Redistribution and markets in Andean South America. *Current Anthropology* 54:642-647. (K. Hirth and J. Pillsbury)
- 2013 Economic consumption and domestic economy in Cholula's rural hinterland, *Latin American Antiquity* 24:123-148.
- 2013 Los mercados prehispánicos. *Arqueología Mexicana* 122:30-35.
- 2013 Early Olmec obsidian trade and economic organization at San Lorenzo, *Journal of Archaeological Science* 40:2784-2798. (Kenneth Hirth, Ann Cyphers, Robert Cobean, Jason De Leon, and Michael Glascock)
- 2013 Merchants, Markets, and Exchange in the Pre-Columbian World, in *Merchants, Trade and Exchange in the Pre-Columbian World*, K. Hirth and J. Pillsbury eds, pp. 1-22. Dumbarton Oaks Library and Research Collection, Washington D.C. (Kenneth Hirth and Joanne Pillsbury)
- 2013 The Merchant's World: Commercial Diversity and the Economics of Interregional Exchange in Highland Mesoamerica, in *Merchants, Trade and Exchange in the Pre-Columbian World*, K. Hirth and J. Pillsbury eds, pp. 85-112. Dumbarton Oaks Library and Research Collection, Washington D.C.
- 2013 A Nahuatl economic vocabulary, in *Merchants, Trade and Exchange in the Pre-Columbian World*, K. Hirth and J. Pillsbury eds, pp. 106-107. Dumbarton Oaks Library and Research Collection, Washington D.C. (Mark Christiansen and Kenneth Hirth)
- 2013 Recent research at Cerro Portezuelo: Introduction, *Ancient Mesoamerica* 24:43-45. (Kenneth Hirth and William Fowler)
- 2013 Demografía, urbanismo y población. Cómo levantar un censo de los desaparecidos. *Arqueología Mexicana* 121:40-48.
- 2012 The organizational structure of Mesoamerican obsidian prismatic blade technology, In *The emergence of pressure flaking. From origin to modern experimentation*, P. Desrosiers ed., pp. 401-415. Springer, New York.

- 2012 The El Gigante Rockshelter: Preliminary observations on an Early to Late Holocene occupation in southern Honduras, *Latin American Antiquity* 23:597-610. (Tim Scheffler, Kenneth Hirth, and George Hasemann)
- 2012 Markets, merchants, and systems of exchange, in *Oxford Handbook on Mesoamerican Archaeology*, Edited by D. Nichols and C. Pool, pp. 639-652. Oxford University Press, Oxford.
- 2012 Terrazguero smallholders and the function of agricultural tribute in sixteenth-century Tepeaca, Mexico. *Mexican Studies/Estudios Mexicanos* 28:73-93. (Aurelio Lopez and Kenneth Hirth)
- 2012 La modelización del almacenaje prehistórico: subsistencia, desigualdad y complejidad política, in *Almacenamiento prehispánico del norte de México al altiplano central*, Edited by Séverine Bortot, Dominique Michelet, and Véronique Darras, pp. 13-26. Ambassade de France au Mexique and Universidad Autónoma de San Luis Potosi, Paris and San Luis Potosi.
- 2012 Producción azteca de maíz y almacenamiento institucional en la Cuenca de Mexico: un model de descentralización del almacenaje, in *Almacenamiento prehispánico del norte de México al altiplano central*, Edited by Séverine Bortot, Dominique Michelet, and Véronique Darras, pp. 179-186. Ambassade de France au Mexique and Universidad Autónoma de San Luis Potosi, Paris and San Luis Potosi.
- 2012 El altepetl y la estructura urbana en la Mesoamerica prehispanica , In *El poder compartido. Ensayos sobre la arqueología de organizaciones políticas segmentarias y oligarquicas*, Annick Daneels and Gerardo Gutierrez ed., pp. 69-98. CIESAS, Mexico City.
- 2012 Contemporary archaeology in Yucatan Introduction, *Ancient Mesoamerica* 23:269-270. (William Fowler, Kenneth Hirth, Alejandra Alonso Olvera, and Traci Arden)
- 2012 The organization structures of Mesoamerican obsidian prismatic blade technology, in *The Emergence of Pressure Flaking: From Origin to Modern Experimentation*, P Desroisiers ed., pp. 401-415, Springer.
- 2011 Introducción: La naturaleza e importancia de la producción artesanal, In *Producción Artesanal y Especializada en Mesoamerica: Áreas de Actividad y Procesos Productivos*. L. Manzanilla and K. Hirth eds., pp. 13-27. Universidad Nacional Autónoma de Mexico, Mexico City.
- 2011 The organization of domestic obsidian craft production, In *Producción Artesanal y Especializada en Mesoamerica: Áreas de Actividad y Procesos Productivos*. L. Manzanilla and K. Hirth eds., pp. 177-203. Universidad Nacional Autónoma de Mexico, Mexico City.
- 2010 Finding the mark in the marketplace: The organization, development and archaeological identification of market systems, In *Archaeological Approaches to Market Exchange in Pre-Capitalistic Societies*, C. Garraty and B. Stark eds, pp. 227-247. University Press of Colorado, Boulder. (K. Hirth)
- 2010 De Teotihuacan a Xochicalco: Los períodos Clásicos y Epiclásicos en Morelos, In *La arqueología de Morelos, Dinamicas sociales sobre las construcciones de la cultura material*, S López Valera ed., pp. 99-129. Historia de Morelos, tomo II, Congreso del Estado de Morelos, Navarro Editores, Mexico

- 2009 Craft production in the Mesoamerican marketplace, *Ancient Mesoamerica* 20:89-102.
- 2009 Exploring Formative period obsidian blade trade: Three Distribution Models, *Ancient Mesoamerica* 20: 113-128. (J. De Leon, K. Hirth, D. Carballo)
- 2009 Obsidian blade production for craft consumption at Kaminaljuyu, *Ancient Mesoamerica* 20:163-172. (J. Anderson and K. Hirth)
- 2009 New directions in the study of Mesoamerican lithic economy, *Ancient Mesoamerica* 20:87-88. (K. Hirth, W. Fowler, G. McCafferty)
- 2009 Housework and domestic craft production: An introduction, In *Housework: Craft Production and Domestic Economy in Ancient Mesoamerica*, K. Hirth ed., pp. 1-12 Archaeological Publications of the American Anthropological Society No 19.
- 2009 Craft production, household diversification, and domestic economy in prehispanic Mesoamerica, In *Housework: Craft Production and Domestic Economy in Ancient Mesoamerica*, K. Hirth ed., pp. 13-32 Archaeological Publications of the American Anthropological Society No 19.
- 2009 Intermittent crafting and multicrafting at Xochicalco, In *Housework: Craft Production and Domestic Economy in Ancient Mesoamerica*, K. Hirth ed., pp. 75-91 Archaeological Publications of the American Anthropological Society No 19.
- 2009 Intermittent domestic lapidary production during the Late Formative period at Nativitas, Tlaxcala, Mexico, In *Housework: Craft Production and Domestic Economy in Ancient Mesoamerica*, K. Hirth ed., pp. 157-173 Archaeological Publications of the American Anthropological Society No 19.
- 2009 Household, workshop, guild, and barrio: The organization of obsidian craft production in a prehispanic urban center, In *Domestic life in Prehispanic capitals: A study of specialization, hierarchy and ethnicity*, L. Manzanilla and C. Chapdelaine eds., pp. 43-65. Memoir 46, Museum of Anthropology, University of Michigan, Ann Arbor.
- 2009 Economía política prehispánica: Modelos sueños y realidad arqueológica, N. Robles Garcia ed., pp. 17-53. *Memoria de la Cuarta Mesa Redonda on Monte Alban*, INAH, Oaxaca, Mexico.
- 2008 The economy of supply: Modeling obsidian procurement and craft provisioning at a Central Mexican urban center, *Latin American Antiquity* 19:435-457.
- 2008 Incidental urbanism: The structure of the prehispanic city in Central Mexico, In *The Ancient City: New Perspectives in the Old and New Worlds*, J. Marcus and J. Sabloff eds., pp. 273-297. School of American Research, SAR Publications, Sante Fe, New Mexico
- 2008 Unidad domestica, comunidad y artesanía en un cacicazgo del Formativo Medio: Revalorando la importancia del Proyecto Chalcatzingo, In *Ideología Política y Sociedad en el Periodo Formativo*. A. Cyphers and K. Hirth eds. Pp. 93-125. UNAM, Mexico City.
- 2008 Sociedad e ideología política en el periodo Formativo, In *Ideología Política y Sociedad en el Periodo Formativo*. A. Cyphers and K. Hirth eds., pp. 15-22. UNAM, Mexico City. (K. Hirth and A. Cyphers)
- 2008 Viajes en La Calandria, In *Ideología Política y Sociedad en el Periodo Formativo*. A. Cyphers and K. Hirth eds., pp. 37-46. UNAM, Mexico City. (K. Hirth and A. Cyphers)
- 2008 Asentamiento del periodo Formative en la cuenca central de Puebla-Tlaxcala, In

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- 2006 Cybertools and archaeology, *Science* 311: 958-959 (D. Snow, M. Gahegan, C. L. Giles, K. Hirth, G. Milner, P. Mitra, J. Wang)
- 2006 Obsidian craft production at Xochicalco, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 3-17, The University of Utah Press, Salt Lake City.
- 2006 Households and plazas: The contexts of obsidian craft production at Xochicalco, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 18-62, The University of Utah Press, Salt Lake City. (K. Hirth and R. Webb)
- 2006 A technological analysis of Xochicalco obsidian blade production, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 62-95, The University of Utah Press, Salt Lake City. (K. Hirth, B. Andrews and J. Flenniken)
- 2006 More Interesting than you'd think: The percussion, ground stone and lapidary industries in Xochicalco obsidian workshops, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 63-114, The University of Utah Press, Salt Lake City. (K. Hirth and J. Flenniken)
- 2006 Supply side economics: An analysis of obsidian procurement and the organization of workshop provisioning, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 115-136, The University of Utah Press, Salt Lake City. (K. Hirth, G. Bondar, M. Glascock, A. Vonarx, T. Daubenspeck)
- 2006 Flaked stone craft production in domestic contexts at Xochicalco, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 137-178, The University of Utah Press, Salt Lake City.
- 2006 Market forces or state control: The organization of obsidian production in a civic-ceremonial context, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 179-201, The University of Utah Press, Salt Lake City.
- 2006 Estimating production output in domestic craft workshops, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 202-217, The University of Utah Press, Salt Lake City. (K. Hirth and B. Andrews)
- 2006 Production for use or exchange: Obsidian consumption at the workshop, household, and regional levels, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 218-240, The University of Utah Press, Salt Lake City. (K. Hirth and R. Castanzo)
- 2006 Patterns of stone tool consumption in Xochicalco's civic-ceremonial core, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 241-257, The University of Utah Press, Salt Lake City. (B. Andrews and K. Hirth)
- 2006 Craft specialization and craftsmen skill, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 258-274, The University of Utah Press, Salt Lake City. (K. Hirth and B. Andrews)
- 2006 Modeling domestic craft production at Xochicalco, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 275-286, The University of Utah Press, Salt Lake City.
- 2006 Modeling a prehistoric economy: Mesoamerican obsidian systems and craft production at Xochicalco, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 287-300, The University of Utah Press, Salt Lake City.

- 2006 The analytical categories for Xochicalco's lithic terminology, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 301-314, The University of Utah Press, Salt Lake City. (K. Hirth and J. Flenniken)
- 2006 The results of experimental studies in obsidian prismatic blade production, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 315-317, The University of Utah Press, Salt Lake City. (K. Hirth and J. Flenniken)
- 2006 An experimental study of use-wear striation on obsidian prismatic blades, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 318-327. The University of Utah Press, Salt Lake City. (K. Hirth and R. Castanzo)
- 2006 Separating use from the abuse of obsidian prismatic blades: A trampling experiment, In *Obsidian Craft Production in Ancient Central Mexico*. pp, 328-332. The University of Utah Press, Salt Lake City. (K. Hirth and R. Castanzo)
- 2005 Obsidian craft production at Cacaxtla-Xochitecatl, FAMSI Foundation, Crystal River, Florida
- 2003 The Altepetl and urban structure in Prehispanic Mesoamerica, In *El Urbanismo en Mesoamerica*, Edited by W. Sanders, G. Mastache, and R. Cobean. pp. 57-84. INAH and PSU, Mexico City and University Park.
- 2003 La estructura urbana de Xochicalco, In *El Urbanismo en Mesoamerica*, Edited by W. Sanders, G. Mastache, and R. Cobean. pp. 257-309. INAH and PSU, Mexico City and University Park.
- 2003 Experimentation and interpretation in Mesoamerican lithic technology, In *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited by Kenneth Hirth, pp. 3-9. The University of Utah Press, Salt Lake City.
- 2003 Handheld prismatic blade manufacture in Mesoamerica, In *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited by Kenneth Hirth, pp. 98-107. The University of Utah Press, Salt Lake City. (J. Flenniken, and K. Hirth)
- 2003 Alternative techniques for producing Mesoamerican-style pressure flaking patterns on obsidian bifaces, In *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited by Kenneth Hirth, pp. 147-152. The University of Utah Press, Salt Lake City. (K. Hirth, G. Titmus, J. Flenniken, and J. Tixier)
- 2003 The Kaminaljuyu production sequence for obsidian prismatic blades: Technological characteristics and research questions, In *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited by Kenneth Hirth, pp. 170-181. The University of Utah Press, Salt Lake City.
- 2003 The Xochicalco production sequence for obsidian prismatic blades: Technological analysis and experimental inferences, In *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited by Kenneth Hirth, pp. 182-196. The University of Utah Press, Salt Lake City. (K. Hirth, B. Andrews, and J. Flenniken)
- 2003 Biface production and craft specilization: A view from Sierra de las Navajas, Hidalgo, In *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited by Kenneth Hirth, pp. 197-207. The University of Utah Press, Salt Lake City. (A. Pastrana and K. Hirth)
- 2003 Experimentation and interpretation in Mesoamerican lithic technology: A look to the future, In *Mesoamerican Lithic Technology: Experimentation and Interpretation*, Edited

- by Kenneth Hirth, pp. 234-238. The University of Utah Press, Salt Lake City. (K. Hirth, P. Kelterborn, J. Pelegrin, and B. Andrews)
- 2002 Pathways to prismatic blades: Sources of variation in Mesoamerican lithic technology, In *Pathways to Prismatic Blades. Studies in Mesoamerican Lithic Technology*, Edited by K. Hirth and B. Andrews, pp. 1-14. Cotsen Institute of Archaeology, University of California, Los Angeles. (K Hirth and B. Andrews)
- 2002 Provisioning constraints and the production of obsidian prismatic blades at Xochicalco, Mexico, In *Pathways to Prismatic Blades. Studies in Mesoamerican Lithic Technology*, Edited by K. Hirth and B. Andrews, pp. 81-90. Cotsen Institute of Archaeology, University of California, Los Angeles.
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- 2000 El intercambio, In *Historia Antigua de Mexico*, Edited by L. Manzanilla and L. Lopez Lujan, 4:97-143. INAH, Mexico
- 2000 Militarism and social organization at Xochicalco, Morelos, In *The Ancient Civilizations of Mesoamerica*, Edited by M. Masson and M. Smith, pp. 324-341. Blackwell Publishers, Malden, Massachusetts.
- 2000 The Xochicalco Mapping Project: An introduction, In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 3-10. The University of Utah Press, Salt Lake City.
- 2000 A catalog of carved monuments and a guide to the visual characteristics of Xochicalco's art style, In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 17-56. The University of Utah Press, Salt Lake City. (V. Smith and K. Hirth)
- 2000 Ceramics of Western Morelos: the Cañada through Gobernador phases at Xochicalco, Morelos In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 102-135. The University of Utah Press, Salt Lake City. (A. Cyphers and K. Hirth)
- 2000 Flaked stone obsidian tools and their behavioral implications, In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 136-150. The University of Utah Press, Salt Lake City. (K. Hirth, J. Flenniken, and B. Andrews)
- 2000 Ground stone tools and their behavioral implications: A typological and comparative examination of Gobernador phase materials from Xochicalco, Morelos, In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 151-166. The University of Utah Press, Salt Lake City. (K. Hirth and K. Robinson)
- 2000 The Xochicalco architectural atlas, In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 197-325. The University of Utah Press, Salt Lake City. (K. Hirth, S. Hirth, and G. Pauer)

- 2000 The Xochicalco topographical map, In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 327-351. The University of Utah Press, Salt Lake City.
- 2000 The Gobernador phase architectural sample (GPAS): Analysis and data, In *The Xochicalco Mapping Project. Archaeological Research at Xochicalco Volume 2*, Edited by Kenneth Hirth, pp. 356-371. The University of Utah Press, Salt Lake City. (K. Hirth and P. van Rossum)
- 1999 Late Holocene volcanic stratigraphy of the Tetimpa area, northeast flank of Popocatepetl Volcano, Central America. *Geological Society of America, Bulletin*. (M. Panfil, T. Gardner, and K. Hirth)
- 1998 The distributional approach: A new way to identify market behavior using archaeological data. *Current Anthropology* 39:451-476 (with CA comment).
- 1998 La identificación de mercados en contextos arqueológicos: una perspectiva sobre el consumo doméstico, In *Rutas de Intercambio en Mesoamerica*, E. Rattray ed., pp. 41-54. UNAM, Mexico City.
- 1997 Archaeological and paleodemographic analyses of the El Cajon skeletal population, In *Integrating Archaeological Demography: Multidisciplinary Approaches to Prehistoric Population*, R. Paine ed., pp. 131-149. SIU Press, Carbondale. (R. Storey and K. Hirth)
- 1996 Political economy and archaeology: Perspectives on exchange and production, *Journal of Archaeological Research* 4:203-239.
- 1996 Community and society in a Central Honduran chiefdom: inferences from the built environment, in *Arqueologia Mesoamericana*, A. G. Mastache, J. Parsons, R. Santley, and M.C. Serra, eds., pp. 69-192. Universidad Nacional Autonoma de Mexico, Mexico City.
- 1996 Teotihuacan clásico: una perspectiva regional sobre el valle oriental de Morelos. *Cuadernos de Arquitectura Mesoamericana* 30:13-44.
- 1995 The investigation of obsidian craft production at Xochicalco, Morelos. *Ancient Mesoamerica* 6:251-258.
- 1995 Urbanism, militarism, and architectural design at Xochicalco, Morelos: An analysis of Epiclassic sociopolitical structure at Xochicalco. *Ancient Mesoamerica* 6:237-250.
- 1994 Proyecto Xochicalco Litica: Investigaciones en 1992 y 1993. *Memoria III Congreso Interno del Centro Regional de Morelos*, pp. 65-76. INAH, Cuernavaca, Mexico (K. Hirth, B. Andrews, E. Becerril and C. Carpenter).
- 1993 Household studies in Western Mesoamerica, In *Household, Compound, and Residence: Studies of Prehispanic Domestic Units in Western Mesoamerica*. Edited by R. Santley and K. Hirth, pp. 3-17. CRC Press, Boca Raton.
- 1993 The Household as an analytical unit: Problems in method and theory, In *Household, Compound, and Residence: Studies of Prehispanic Domestic Units in Western Mesoamerica*. Edited by R. Santley and K. Hirth. pp. 21-36. CRC Press.
- 1993 Identifying rank and socioeconomic status in domestic contexts: An example from Central Mexico, In *Household, Compound, and Residence: Studies of Prehispanic Domestic Units in Western Mesoamerica*. Edited by R. Santley and K. Hirth, pp. 121-146. CRC Press, Boca Raton.
- 1993 The El Cajon region, In *Pottery of Prehistoric Honduras*, Edited by J. Henderson and

- M. Beaudry-Corbett, pp. 214-232. Institute of Archaeology, Monograph 35, University of California, Los Angeles
- 1992 Interregional exchange as elite behavior: An evolutionary perspective, In *Mesoamerican Elites: An Archaeological Assessment*, edited by D. Chase and A. Chase. pp. 18-29. University of Oklahoma Press.
- 1993 Ancient currency: The style and use of jade and marble carvings in Central Honduras, In *Precolumbian jade. New geological and cultural interpretations*, Edited by F. Lange. pp. 173-190. University of Utah Press, Provo. (K. Hirth and S. Hirth)
- 1993 Jade use in portions of Mexico and Central America: Olmec, Maya, Costa Rica, Honduras, In *Precolumbian jade. New geological and cultural interpretations*, Edited by F. Lange. pp. 211-231. University of Utah Press, Provo. (J. Garber, K. Hirth, D. Grove, and J. Hoopes)
- 1992 Objektbeschreibungen: The El Cajon jades, in *Die Welt der Maya*, A. Eggbrecht and N. Grube, eds., pp. 300, 368-530-551. Roemer un Pelizaeus-Museum, Hildesheim, Verlag Philipp von Zabern, Mainz am Rhein. (K. Hirth and S. Hirth)
- 1991 Roads, thoroughfares and avenues of power at Xochicalco, Mexico, In *Ancient Road Networks and Settlement Hierarchies in the New World*, Edited by C. Trombold, pp. 211-221. New Directions in Archaeology, Cambridge University Press.
- 1991 Research at Xochicalco, In *The Wenner-Gren Foundation Report for 1988 and 1989*, pg. 78, The Wenner-Gren Foundation, New York.
- 1990 Obsidian sources and elemental analyses of artifacts in Southern Mesoamerica and the northern Intermediate Area, *American Antiquity* 55:144-158. (P. Sheets, K. Hirth, F. Lange, and F. Stross).
- 1989 Epiclassic militarism and social organization at Xochicalco Morelos, In *Mesoamerican After the Decline of Teotihuacan A.D. 700-900*, Edited by J. Berlo and R. Diehl, pp. 69-81, Dumbarton Oaks, Washington, D.C.
- 1989 Determining ceramic production: A view from Honduras, In *Ceramic Ecology Revisited*, Edited by C. Kolb, pp. 97-116, B.A.R. International Series, England (M. Beaudry, R. Bishop, J. Henderson and K. Hirth).
- 1989 The El Cajon Archaeological Project: An introduction, In *Archaeological Research in the El Cajon Region, Volume 1, Prehistoric Cultural Ecology*. Edited by K. Hirth, G. Lara and G. Hasemann, pp. 1-17, IHAH and University of Pittsburgh, Tegucigalpa and Pittsburgh.
- 1989 Geography, geology and natural resource availability, In *Archaeological Research in the El Cajon Region, Volume 1, Prehistoric Cultural Ecology*. Edited by K. Hirth, G. Lara and G. Hasemann, pp. 19-40, IHAH and University of Pittsburgh, Tegucigalpa and Pittsburgh. (K Hirth and D Coskren).
- 1989 Chronology and ceramic variability within the El Cajon Region, In *Archaeological Research in the El Cajon Region, Volume 1, Prehistoric Cultural Ecology*. Edited by K. Hirth, G. Lara and G. Hasemann, pp. 207-232, IHAH and University of Pittsburgh, Tegucigalpa and Pittsburgh. (K. Hirth, N. Kennedy and M. Cliff).
- 1989 Observations about ecological relationships and cultural evolution in a prehistoric tropical subsistence system, In *Archaeological Research in the El Cajon Region, Volume 1, Prehistoric Cultural Ecology*. Edited by K. Hirth, G. Lara and G. Hasemann, pp.

- 233-252, IHAH and University of Pittsburgh, Tegucigalpa and Pittsburgh.
- 1989 Domestic architecture and social rank in a Mesoamerican urban center, In *Households and Communities*, Proceedings of the 21st Annual Chacmool Conference, pp. 441-449, Calgary, Alberta.
- 1989 The contents of seven obsidian workshops around Xochicalco, In *La Obsidian en Mesoamerica*. Edited by M. Gaxiola and J. Clark. Coleccion Cientifica, pp. 269-275, IHAH, Pachuca. (J. Sorenson, K. Hirth, and S. Ferguson).
- 1989 Determining ceramic production: a view from Honduras. In *Ceramic Ecology, 1988: Current research on ceramic materials*, Edited by C. C. Kolb, pp. 97-116. British Archaeological Reports International Series 513. (with M. Beaudry, R. Bishop and J. Henderson)
- 1988 Beyond the Maya frontier: Cultural interaction and syncretism along the central Honduran corridor, In *The Southeastern Maya Periphery*, Edited by E. Boone and G. Willey, pp. 297-334, Dumbarton Oaks, Washington, D.C.
- 1988 Comment on ecological theory and cultural evolution in the Valley of Oaxaca, *Current Anthropology* 29:58-59.
- 1988 Archaeological investigation of cotton production in Central Mexico. *Journal of Field Archaeology* 15:349-358. (M. Smith and K. Hirth).
- 1987 The physical and cultural setting, In *Ancient Chalcatzingo*, Edited by D. Grove, pp. 6-13, University of Texas Press, Austin. (D. Grove, K. Hirth, and D. Buge).
- 1987 Formative period settlement patterns in the Amatzinac Valley, In *Ancient Chalcatzingo*, Edited by D. Grove, pp. 343-367, University of Texas Press, Austin.
- 1987 Rio Amatzinac Survey: Site descriptions, In *Ancient Chalcatzingo*, Edited by D. Grove, Appendix H, pp. 509-524. University of Texas Press, Austin.
- 1987 La subsistencia y comercio prehispánicos en la región de El Cajón. *Yaxkin* 10:39-50.
- 1985 Archaeological investigations at Xochicalco, Mexico 1978. *National Geographic Society Research Reports* 19:343-351.
- 1985 Comercio prehispánico y intercambio inter-regional en el área de El Cajón: Resultados preliminares de los análisis técnicos. *Yaxkin*, 8:3-11, Tegucigalpa.
- 1984 Catchment analysis and Formative settlement in the Valley of Mexico. *American Anthropologist* 86:136-143.
- 1984 Xochicalco: Urban growth and processes of state formation in prehispanic Central Mexico. *Science* 225:579-586.
- 1984 Exchange systems in Formative Mesoamerica: An introduction, In *Trade and Exchange in Early Mesoamerica*, Edited by K. Hirth, pp. 1-15. University of New Mexico Press, Albuquerque.
- 1984 Late Formative exchange networks in Morelos, In *Trade and Exchange in Early Mesoamerica*, Edited by K. Hirth, pp. 125-146, University of New Mexico Press, Albuquerque.
- 1984 The analysis of prehistoric economic systems: A look to the future, In *Trade and Exchange in Early Mesoamerica*, Edited by K. Hirth, pp. 281-302, University of New Mexico Press, Albuquerque.
- 1984 Minas precolombinas y talleres de obsidiana en La Esperanza, Dept. Intibuca. *Yaxkin* 7:31-45. (J. Sorensen and K. Hirth).

- 1983 El Formativo en el valle de Rimac: Huachipa-Jicamarca. *Arqueología y Sociedad* 9:1-83, Lima. (J. Silva, K. Hirth, R. Garcia, and J. Pinilla).
- 1982 Transportation architecture at Xochicalco, Morelos, Mexico. *Current Anthropology* 23:322-324.
- 1982 El valle del Rimac hace 2500 años: Huachipa-Jicamarca. *Boletín de Lima* 21:59-68. (J. Silva, K. Hirth, R. Garcia and J. Pinilla.).
- 1982 Enfoque general del proyecto de investigación y salvamento arqueológico El Cajon. *Yaxkin* 5:5-21.
- 1982 Excavaciones en Salitron Viejo: 1981. *Yaxkin* 5:51-66.
- 1981 Early state expansion in Central Mexico: Teotihuacan in Morelos. *Journal of Field Archaeology* 8:135-150. (K. Hirth and J. Angulo).
- 1981 Settlement and cultural development at Chalcatzingo, In *Ancient Mesoamerica: Selected Readings*, edited by J. Graham, Peek Publications, Palo Alto (Reprint of 1976 *Science* article).
- 1981 Analisis de fosfatos: Una nueva técnica de investigación en arqueología. *Notas*, UNAM, Mexico City.
- 1981 La presencia Teotihuacana en Morelos, In *Interacción Cultural en México Central*, Edited by E. Rattray, J. Litvak and C. Diaz, pp. 81-98, UNAM, Mexico. (Angulo and Hirth)
- 1981 Patrones de asentamiento y organización aocial en el area de El Cajon, departamento de Comayagua, Honduras. *Yaxkin* 4:33-55. (K. Hirth, P. Urban, G. Hasemann, and V. Veliz.).
- 1980 Hallazgos recientes en Xochicalco, In *Rutas de Intercambio en Mesoamérica* 2:261-266. Sociedad de Antropología Mexicana.
- 1980 Archaeological exploration at Xochicalco, Morelos, Mexico. *Mexicon* 4:57-60, Berlin.
- 1980 Nuevos descubrimientos del periodo Mazapan en el valle oriental de Morelos. *Revista Mexicana de Estudios Antropológicos* 26:95-105.
- 1978 Interregional trade and the formation of prehistoric gateway communities. *American Antiquity* 43:1:35-45.
- 1978 Teotihuacan regional population administration in Eastern Morelos. *World Archaeology* 9:320-333.
- 1978 Problems in data recovery and measurement in settlement archaeology. *Journal of Field Archaeology* 5:125-131.
- 1977 Toltec-Mazapan influence in Eastern Morelos. *New World Journal of Archaeology* 2:40-46.
- 1976 Settlement and cultural development at Chalcatzingo. *Science* 192: 1203-1210 (D. Grove, K. Hirth, D. Buge, and A. Cyphers).
- 1976 Reconocimiento de superficie en el area del Amatzinac, In *Tres Mil Años de Cambio Cultural en el Valle Oriental de Morelos*. CRINAH, Cuernavaca.
- 1975 El análisis de fosfatos en el contexto de arqueología, *Vínculos* 1:99-102. Museo Nacional de Antropología, San Jose.
- 1975 Teotihuacan influence in the Eastern Valley of Morelos, In *Fronteras en Mesoamérica* 2:33-44, Sociedad de Antropologia Mexicana, Mexico.
- 1975 Manzanilla, Puebla and Oaxacan influence during the Classic, In *Fronteras en*

- Mesoamérica*. 2:11-24, Sociedad de Antropología Mexicana, Mexico (K. Hirth and W. Swezey).
- 1973 Demographic centralization during the Classic: An examination of the Eastern Valley of Morelos, In *Balance y Perspectiva de la Antropología de Mesoamérica*, 2:299-312, Sociedad de Antropología Mexicana, Mexico.

WEBSITE DEVELOPMENT

- 2009 The Basin of Mexico Archaeological GIS
(http://redlands.pop.psu.edu/Basin_Of_Mexico/Default.aspx)

ARTICLES & BOOK CHAPTERS (In Press)

- n.d. Political rulership and power at Xochicalco, in *Pensamiento y expresión. Las culturas indígenas de México en el Museo Nacional de Antropología/Thought and expression. The indigenous cultures of Mexico in the National Museum of Anthropology*, Diana Magaloni ed., INAH-Turner, Mexico and New York. (bilingual English-Spanish international edition).
- n.d. Two representations of tribute at Xochicalco and Cacaxtla, Mexico, In *Homenaje a Alba Guadalupe Mastache Flores*, R. Cobean ed., Instituto Nacional de Antropología e Historia, Mexico City.
- n.d. La diversidad arquitectónica y la interacción social en la region de El Cajon: La perspectiva desde Salitron Viejo, *Yaxkin*, I.H.A.H., Tegucigalpa.
- n.d. El uso rituoso de jade y marmol en el sitio de Salitron Viejo, Honduras. *Yaxkin*, Tegucigalpa
- n.d. Population fertility, residential nucleation and community health in the El Cajon Region, in *Archaeological Research in the El Cajon Region, Volume 2, Paleodemography*. Edited by K. Hirth, G. Lara Pinto and G. Hasemann, The University of Pittsburgh and the Instituto Hondureño de Antropología e Historia, Pittsburgh and Tegucigalpa.
- n.d. The El Cajon mortuary catalog, in *Archaeological Research in the El Cajon Region, Volume 2, Paleodemography*. Edited by K. Hirth, G. Lara Pinto and G. Hasemann, The University of Pittsburgh and the Instituto Hondureño de Antropología e Historia, Pittsburgh and Tegucigalpa. (J Benyo, R. Storey, K. Hirth)

DOCTORAL DISSERTATION

- 1974 *Pre-Columbian Population Development along the Rio Amatzinac: The Formative through Classic Periods in Eastern Morelos, Mexico*. University of Wisconsin-Milwaukee, Anthropology.

ENCYCLOPEDIA ENTRIES

- 2008 Xochicalco, *Encyclopedia of Latin American History and Culture*, pp. 473-474. Charles Scribners.

- 2008 Cuicuilco, **Encyclopedia of Latin American History and Culture**, pp 418. Charles Scribners.
- 2008 Cacaxtla, **Encyclopedia of Latin American History and Culture**, pp. 20. Charles Scribners.

BOOK REVIEWS

- n.d. Review of *The Covenants with Earth and Rain*, by John Monaghan *The Hispanic American Review*.
- 2011 Review of: *Crossing the Straits: Prehistoric Obsidian Source Exploitation in the North Pacific Rim*, by Yaroslav Kuzmin and Michael Glascock, *Antiquity* 85:1090-1091.
- 2011 Review of *Origins of the Nuu: Archaeology in the Mixteca Alta, Mexico*, by Stephen Kowalewski et al. *Journal of Anthropological Research* 67:116-117.
- 2003 Review of *The Settlement of the Americas*, by Thomas Dillehay *Ethnohistory* 51:187-189.
- 2001 Review of *Mesoamerica's Classic Heritage*, by David Carrasco, Lindsay Jones, and Scott Sessions *Ethnohistory* 48: 739-741.
- 2001 Review of *Social Patterns in Pre-Classic Mesoamerica*, by David Grove and Rosemary Joyce *American Anthropologist* 103:220-221.
- 1997 Review of *The Sounds and Colors of Power: the sacred metallurgical technology of ancient West Mexico*, by Dorothy Hosler *Ethnohistory* 44:178-180.
- 1996 Review of *Zapotec Civilization: How Urban Society Evolved in Mexico's Oaxacan Valley*, by Joyce Marcus and Kent Flannery *Journal of Anthropological Research* pp. 255-256.
- 1995 Review of *Tres estudios sobre el sistema tributario de los Mexicas*, by A. Kobayashi, *American Anthropologist* 97:159-160.
- 1995 Review of *Tariacuri's Legacy*, by Helen Pollard Pearlstein, *Ethnohistory* 42:688.
- 1991 Review of *The Archaeology of Political Structure: Settlement Analysis in a Classic Maya Polity*. by Olivier de Montmollin, *American Anthropologist*. 93:237.
- 1988 Review of *Production and Exchange of Stone Tools*. by Robin Torrence, *Science* 240:548.
- 1988 Review of *Economic Aspects of Prehispanic Highland Mexico*. Edited by Barry Isaacs, *American Antiquity* 53:873-875.
- 1987 Review of *Economic Aspects of Prehispanic Highland Mexico*. Edited by Barry Isaacs, *Man* 22:758-759.
- 1984 Review of *Monte Alban's Hinterland, Part 1: The Prehispanic Settlement Pattern of the Central and Southern Parts of the Valley of Oaxaca, Mexico*. by Richard Blanton et. al., *American Anthropologist* 86:194-196.
- 1983 Review of *Prehispanic Settlement Patterns in the Southern Valley of Mexico* by Jeffrey Parsons et. al., *Science* 220:1041-1042.

MUSEUM EXHIBITS

- 2010 *Obsidian and Trade in Mesoamerica*. Dumbarton Oaks Library, Washington D.C.
Duration: 6 months, Fall 2010

- 1986 *Preservation of the National Cultural Patrimony*. Regional Museum of Comayagua, Honduras, IHAH. Permanent Exhibit.
- 1983 *The El Cajon Archaeological Project*. National Museum of Anthropology and History, Tegucigalpa, Honduras. Duration 24 Calendar months.
- 1981 *The Jades of Salitron Viejo*. National Museum of Anthropology and History, Tegucigalpa, Honduras. Duration 24 Calendar months.

ARCHAEOLOGICAL and ETHNOHISTORIC RESEARCH

- 2014- Director, Investigating Urban Craft Production and Domestic Economy in the Tlajinga
2017 District, Teotihuacan. Penn State University.
- 2013- Co-Director, Urbanism, Neighborhood Organization, and Domestic Economy at the
2017 Tlajinga District, Teotihuacan, Mexico. Penn State and Boston University. (with David Carballo)
- 2013- Director, The Proyecto *Matricula de Huexotzingo*, Economic Analysis of 23
2016 communities from 16th century Puebla, Mexico. Penn State University.
- 2011- Co-Director, Obsidian production and consumption at the Olmec site of San Lorenzo
2016 Tenochtitlan, Veracruz, Mexico, UNAM and Penn State University. (with Ann Cyphers)
- 2011- Director, The Thin Orange Tradeware Project. Teotihuacan Archaeological Zone,
2012 Mexico.
- 2010 Director, Trade in 16th Century New Spain: A GIS for the *Relaciones Geográficas*.
- 2008- Co-Director, Urbanism in Mesoamerica Project/ Proyecto de Urbanism en Mesoamérica.
2010 Penn State and Instituto Nacional de Antropología e Historia (INAH).
- 2006- Director, The Basin of Mexico GIS Project, Penn State University and INAH,
2009 (with Jeffrey Parsons)
- 2007 Staff Archaeologist, Mopsos Archaeological Survey, Celicia, Turkey, Penn State
University (Ann Killebrew and Gunnar Leyman Directors)
- 2004 Laboratory Analysis, Obsidian craft production at Cacaxtla-Xochitecatl, Tlaxcala,
Mexico, UNAM and Penn State University.
- 1994- Field Director, Archaeological Investigations and Geoarchaeological Survey of the
2003 Tetimpa Region, Puebla, Mexico. Universidad de las Americas, Puebla and Penn State
University
1994 & 1995 Geoarchaeological Survey (with M. Panfil & T. Gardner)
1996 Season (3 months) Excavation & Survey
1997 Season (1 month) Excavation
1998 Season (2 months) Excavation, Survey, & Laboratory Analysis
2002 Season (2 months) Excavation, Survey, & Laboratory Analysis
- 1994- Co-Director, (with Dr. James Sheehy) The Acatzingo-Tepeaca Settlement Survey,
1998 Valley of Puebla, Mexico. Penn State University.
1994 Season (3 months) Survey

- 1995 Season (6 months) Survey and Test Excavation
- 1996 Season (6 months) Survey and Test Excavation
- 1997 Season (6 months) Survey

- 1992- Director, The Xochicalco Craft Production Project, in collaboration with the Morelos
 1996 Regional Center, Instituto Nacional de Antropología e Historia, Mexico.
 - 1992 Season (3 months) Excavation
 - 1993 Season (5 months) Excavation
 - 1994 Season (3 months) Laboratory Analysis
 - 1995 Season (6 months) Laboratory Analysis
 - 1996 Season (2 months) Laboratory Analysis

- 1980- Director, The El Cajon Archaeological Project: Central Honduras, C. A. Instituto
 1990 Hondureño de Antropología e Historia, Tegucigalpa.
 - 1980 Season (6 months) Archaeological Survey
 - 1981 Season (9 months) Archaeological Excavation
 - 1982 Season (3 months) Archaeological Excavation
 - 1983 Season (7 months) Survey and Excavation
 - 1984 Season (5 months) Excavation and Analysis
 - 1985 Season (3 months) Laboratory Analysis
 - 1986 Season (3 months) Laboratory Analysis
 - 1987 Season (6 months) Laboratory Analysis
 - 1988 Season (6 months) Laboratory Analysis
 - 1989 Season (3 months) Laboratory Analysis

- 1978- Director, The Xochicalco Mapping Project: Western Morelos, Mexico. University of
 1986 Kentucky in collaboration with the Centro Regional de Morelos, Instituto Nacional de
 Antropología e Historia, Mexico.
 - 1978 Season (9 months) Mapping and Reconnaissance
 - 1979 Season (4 months) Laboratory Analysis
 - 1980 Season (4 months) Laboratory Analysis
 - 1986 Season (3 months) Cartographic Work

- 1975- Field Director, The Coatlan del Rio Archaeological Project, Centro Regional de Morelos,
 1978 Instituto Nacional de Antropología e Historia, Cuernavaca, Mexico.
 - 1975 Season (3 months) Survey of the Chalma river
 - 1976 Season (4 months) Survey of the Amacusac river
 - 1976 Season (4 months) Excavation at Cuautlita, Coatlan del Rio, Miahuatlan,
 and Tilancingo, Morelos
 - 1977 Season (4 months) Excavation at Xochicalco and Tlacoatzingo, Morelos

- 1978 Director, Proyecto Jicamarca-Cajamarquilla: Mapping and Survey Reconnaissance in the
 Rimac Valley, Peru. Universidad Nacional Mayor de San Marcos, Lima (Aug-Dec)

- 1975 Field Supervisor Archaeological Excavations at Manzanilla, Puebla, Mexico. The Amalucan Archaeological Project, University of Wisconsin-Milw. (June-July).
- 1975 Field Supervisor Settlement Survey and Archaeological Excavations in the Valley of Puebla, Mexico, Proyecto Amalucan: University of Wisconsin-Milw. (January-July)
- 1972- Field Director Settlement Survey of the Rio Amatzinac Valley, Chalcatzingo
1974 Archaeological Project: University of Illinois-INAH.
1972 Season (1 month) Remnant Soil Chemistry Analysis
1973 Season (6 months) Settlement Survey of the Rio Amatzinac Valley
1974 Season (3 months) Laboratory Analysis
- 1973 Field Supervisor Archaeological Excavations at Jonacatepec, Morelos: Universidad de las Americas. (July-August)
- 1972 Field Supervisor Archaeological Excavations at the Hacienda de Manzanilla, Puebla, Mexico: Universidad de las Americas. (July-August)
- 1971- Laboratory Analysis Artifact Distributions at the Coxcatlan Rock Shelter, Mexico.
1972 Tehuacan Valley Project, R.S. Peabody Foundation. (September-May)
- 1971 Field Supervisor Archaeological Excavations at Cerro Zapotecas, Cholula Archaeological Zone, Puebla, Mexico: Universidad de las Americas. (June-August)

SELECTED RESEARCH GRANTS

- 2013-16 The Teotihuacan-Tlajinga Archeological Project (NSF) (with D. Carballo).
- 2012-14 Archaeological Explorations at Malpica U, San Lorenzo, Veracruz. (with A. Cyphers)
- 2012 Research at Las Orquidias, Ecuador (National Geographic Society) (with E. Dyrdaahl)
- 2010 Research at El Gigante Caves, Honduras (NSF) (\$26,724) (D. Webster and K. Hirth)
- 2009 Immigrant mortality in the Postclassic City of Cholula. (Wenner-Gren) (\$10,050) (K Hirth and M. Bullock)
- 2007-08 Urbanism in Mesoamerica: A Research Project, New World Archaeological Foundation, (\$10,000) (K. Hirth, W. Sanders, A. Garcia Cook, R. Cobean) (\$3000) (Universite de Paris)
- 2006-09 The Basin of Mexico GIS Project, (NSF) (\$156,807) (K Hirth and J Parsons)
- 2006 Remote Sensing at San Bartolo, (NASA) (\$24,000) (K. Hirth and R. Griffin)
- 2005 Investigating Jade Prestige Goods Production in the Middle Motagua Valley, Guatemala, (\$10,000) (FAMSI) (K Hirth and E Rochette)

- 2005 Analysis of San Lorenzo Obsidian and the implications for Olmec Exchange, (\$15,000) (UNAM) (A Cyphers and K Hirth)
- 2004 Lithic Craft Production at Cacaxtla-Xochitecatl, Mexico (FAMSI) (\$7,000)
- 2004 GIS Spatial Analysis for Basin of Mexico Archaeology (GIS Group, PSU) (\$11,000)
- 2003 Exploration of Tarascan Metallurgy at Itziparatzico, Michoacan(FAMSI) (\$9000) (B Maldonado and K Hirth)
- 2003 Exploration of San Lorenzo Obsidian (NSF-Fellowship) (\$12,000) (J DeLeon and K Hirth)
- 2002 The Curation of Archaeological Materials from Morelos Mexico. The National Science Foundation, (\$128,427). (M. Smith, K. Hirth, D. David Grove)
- 2001 Archaeological Research in the Tetimpa Volcanic Fields, Mexico. The National Geographic Society (\$1,000) Grant 7071-01
- 2001 The El Gigante Rock Shelter Excavations (FAMSI) (\$10,000) (with T. Scheffler)
- 2001 Archaeological Excavation of a rural Olmec community. NSF Doctoral Dissertation Improvement grant (\$12,000) (With Carl Wendt) (FAMSI) (\$5500)
- 2001 Archaeological research at a Tlapaneco-Mixteco polity. The Foundation for the Advancement of Mesoamerican Studies (FAMSI) (\$9000) (with Gerardo Gutierrez)
- 2000 An Experimental Workshop and Conference on the Production of Ancient Obsidian Pressure Blades in Ancient Mesoamerica. (Wenner-Gren, FAMSI, PSU) (\$24,000)
- 1999 Archaeological Research in the Tetimpa Volcanic Fields, Mexico. The National Geographic Society (\$19,629) Grant 6502-99
- 1998 The Acatzingo-Tepeaca Archaeological Settlement Study, RGSO Award, Penn State University. (\$6500)
- 1997-98 Archaeological Study of the Aztec-Tarascan Frontier. NSF Doctoral Dissertation Improvement Grant (\$11,800)(FAMSI) (\$6500) (with Jay Silverstein)
- 1997 Archaeological Excavation of a Buried Agricultural Landscape in Tetimpa, Mexico. The National Geographic Society (\$3,000), Grant 5985-97
- 1997 Neutron Activation of Obsidian Artifacts from Xochicalco. (Missouri Research Reactor) (\$2500) (with AJ Vonarx)
- 1997 The Acatzingo-Tepeaca Settlement Survey, Puebla, Mexico, Foundation for Mesoamerican Research (\$52,928, 2 grants)
- 1997 Archaeological Investigations in the Tetimpa Region, Foundation for Mesoamerican Research (\$9,975)
- 1996 The Acatzingo-Tepeaca Settlement Survey, Puebla, Mexico, Foundation for Mesoamerican Research (\$49,999, 2 grants)
- 1996 Archaeological Investigations in the Tetimpa Region, Foundation for Mesoamerican Research (\$16,217, 2 grants)
- 1995-97 The Analysis of Craft Production and Residential Activity at Xochicalco, Mexico, The National Science Foundation (\$98,866)
- 1995 The Acatzingo-Tepeaca Settlement Survey, Puebla, Mexico, Foundation for

	Mesoamerican Research (\$78,068, 2 grants)
1994-95	Geoarchaeological research in the Tetimpa Region, Foundation for Mesoamerican Research (\$10,000) (2 awards)
1994	The Acatzingo-Tepeaca Settlement Survey, Puebla, Mexico, Foundation for Mesoamerican Research (31,200)
1994	Activity Analysis and the Pompeii Effect: Analysis of Archaeological Households at Xochicalco, Mexico, RGSO Award, Penn State University. (\$7500)
1992-94	The Obsidian Craft Industries at Xochicalco, Mexico, (NSF) (\$142,792)
1992	Obsidian Craft Production at Xochicalco, Mexico, Heinz Foundation (\$6,500)
1986-89	Laboratory Analysis of Archaeological Collections from the El Cajon Project, The National Science Foundation (\$60,300)
1985-87	Precolumbian Residential Architecture at Xochicalco, The National Geographic Society (\$6,750), Grant 3210-85
1985	Illustration of Precolumbian Jade and Marble Artifacts from Salitron Viejo, The American Philosophical Society (\$3,000)
1984	A Program for <i>Food, Environment, and Society</i> The W. K. Kellogg Foundation, (\$111,050)
1983-85	The Cajon Archaeological Project, IHAH, financing through the Honduran Congress. (\$125,000)
1983	Archaeological Reconnaissance of the El Cajon Uplands. University of Kentucky Research Foundation (\$3,000)
1980-1983	The El Cajon Archaeological Project, IHAH and ENEE, Tegucigalpa, (\$375,000)
1978-1979	The Xochicalco Mapping Project, National Science Foundation, U.S.-Latin American Research Program (\$30,972)
1979	Photogrammetric Mapping at Xochicalco, Morelos, The Wenner Gren Foundation (\$5,700)
1978	The Xochicalco Mapping Project: Aerial Photography, The National Geographic Society, (\$8,816), Grant 1865-78.
1977	Archaeological Excavations at Xochicalco. Morelos. Morelos Regional Center, INAH (\$5,500)
1975	The Coatlan Regional Survey. Morelos Regional Center, INAH (\$16,800)