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Curriculum Vitae

WILLIAM I. AUSICH

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PERSONAL INFORMATION

Birth: February 2, 1952, in Kewanee, Illinois, U.S.A.
Marital
Status: Married, three children

EDUCATION

1978 Ph.D., Indiana University, Bloomington, Geology with Biology Minor
1976 A.M., Indiana University, Bloomington, Geology
1974 B.S., University of Illinois, Urbana, Geology

PROFESSIONAL EXPERIENCE (selected)

1990- present Professor, The Ohio State University
2002- present Director, Orton Museum of Geology
1995-99 Chair, Department of Geological Sciences
1993- present Research Associate, U.S. National Museum, Smithsonian Institution
1992 Research Fellow, Trinity College, Dublin, Ireland
1984-90 Associate Professor, The Ohio State University
1982-84 Associate Professor, Wright State University
1979-82 Assistant Professor, Wright State University
1978-79 Visiting Assistant Professor, Wright State University

AWARDS

- 2010 2009-2010 Harlan Hatcher Arts & Sciences Distinguished Faculty Award
- 2007 Distinguished Teaching Award, School of Earth Sciences, The Ohio State University
- 2006 Research medal from Universidade de Trás-os-Montes e Alto Douro, Vila Real, Portugal
- 2005 Fellow, Paleontological Society (Inaugural Class)
- 2001 Richard Owen Award; Outstanding Alumnus, Department of Geological Sciences, Indiana University
- 2000-06 Paleontological Society, 2000-2002, President-Elect; 2002-2004, President; 2004-2006, Past-President
- 2000 Fellow, American Association for the Advancement of Sciences
- 2000 Distinguished Teaching Award, Department of Geological Sciences, The Ohio State University
- 1997 Fellow, Geological Society of America
- 1992-93 Paleontological Society *Distinguished Lecturer* (first class)
- 1992 Ohio Distinguished Citizen
- 1992 Fulbright Fellowship, Trinity College, Dublin, Ireland
- 1991 Honorable Order of Kentucky Colonels
- 1990 Schuchert Award, Paleontological Society
- 1989 Distinguished Teaching Award, Department of Geology and Mineralogy, The Ohio State University
- 1980 S.E.P.M. Outstanding *Journal of Paleontology* Paper Award (1979 volume)
- 1979 E. R. Cummings Award, Department of Geology, Indiana University
- 1977 Estwing Outstanding Geology Graduate Student Award, Indiana University
- 1976 Sigma Xi (Full Member, 1985)
- 1975 Sigma Gamma Epsilon

GRANTS (select)

- 2010-15 National Science Foundation for Echinoderm Tree of Life, Dan Janies, co-PI, along with an international team of echinoderm biologists and paleontologists.
- 2008-10 National Science Foundation for Identity and Significance of Biomarkers in Paleozoic Crinoids, Y.-P. Chin, co-PI
- 2006-08 National Science Foundation for Fringelites: Fossil Organic Molecules as a Proxy for Phylogeny in Paleozoic Crinoids, Y.-P. Chin, co-PI
- 2003-07 National Science Foundation for Evolutionary Success in Marine Invertebrates: Testing the Relationship between Eurytopy, Longevity, and Geographic Range
- 2002-05 National Science Foundation, for Extinction and recovery of crinoids resulting from climatic change during the Ordovician-Silurian biotic crisis
- 2000-02 National Geographic Society, for study of Ordovician-Silurian crinoids on Anticosti Island, Quebec
- 1994-99 National Science Foundation, for study of morphological diversification and classification of crinoids

- 1991-94 National Science Foundation, for study of crinoid column functional morphology and architecture
- 1989-92 National Science Foundation, for study of Fort Payne Formation, South-Central Kentucky
- 1987-90 National Science Foundation, for study of Keokuk Limestone, Illinois, Iowa and Missouri
- 1984-87 National Science Foundation, for study of Fort Payne Formation, South-Central Kentucky

PROFESSIONAL SERVICE (select)

Paleontological Society, 2000-2002, President-elect; 2002-2004, President; 2004-2006, past-President

Paleontological Society, 1985-87, Nomination Committee (Chairman, 1987); 1989, Member of PS Council; 1994-97, Special Publications Co-editor; 1997-1999, Schuchert Award Committee; 1998-2000, Councilor at Large; 1999-present, *Journal of Paleontology* Technical Editor; Committee for Fellows; 2004-2006, P.S. Member, Advisory Council of Geoscience World; 2006-2012, P.S. Fellows Committee; 2007, Poster Judge; 2008 Poster Judge.

Paleontological Society "Distinguished Lecturer," 1992-1993
Ohio State Chapter of Sigma Xi, 2009-2010 Vice President, 2010-2011 President-elect, 2011-2012 President

North-Central Paleontological Society, Vice-Chairman, 1988-89; Chairman, 1989-90

Cincinnati Museum of Natural History, 1994-1997, Collections and Research Committee; 2003, Advisor

Alumni Council, Department of Geology, Indiana University, 1984-87

Panelist, National Science Foundation Minority Graduate Fellowship, 1990-97, 1999-2001; (Chair, 1996-97, 2000-2001)

AAAS Committees - E (Geology), G (Biological Sciences) 2002-2008

Helped to coordinate various community sponsored events that are co-sponsored with the *Darwin – Growth of an Idea* initiative – COSI, Columbus Arts Center, Columbus Zoo, Franklin Park Conservatory, Columbus Museum of Art, etc.

Consultant (unpaid) for the U.S. National Museum of Natural History, Smithsonian, for the new, major, permanent exhibit – *The Oceans Hall*.

Consultant (unpaid) for University of Manitoba, who is developing animations of Paleozoic seafloor communities [exhibit to open March 20, 2010].

Invited Participant in the “On the Cutting-Edge – Teaching Paleontology in the 21st Century” workshop (NSF-sponsored). Invited to attend, invited to present one talk twice, also presented another poster.

PROFESSIONAL SOCIETIES

American Association for the Advancement of Science
 Paleontological Society
 International Palaeontological Association
 The Society of Sigma Xi
 Sigma Gamma Epsilon
 Society of Economic Paleontologists and Mineralogists
 Geological Society of America
 History of the Earth Sciences Society
 National Association of Geoscience Teachers
 Palaeontological Society

PUBLICATIONS – In Press

Hess, H. (in press). Articulata. *In* Seldon, P. (Ed.) and W.I. Ausich (Coordinating Author). *Treatise on Invertebrate Paleontology, Part T, Revised, Volume 3*.

Ausich, W.I., M.A. Wilson, and O. Vinn. (in review). Crinoids from the Silurian of Western Estonia (Phylum Echinodermata). *Acta Palaeontologica Polonica*.

Bohatý, J., Nyhuis, C., W.I. Ausich, E. Nardine, C. Nyhuis, and S. Schröder. (submitted). A coral-crinoid biocoenosis from the Middle Devonian of the Eifel Synclines (Rhenish Massif, Germany). *Journal of Paleontology*

Ausich, W.I., R. Buckley, and A.G. Plint. (in press). Nearshore articulate crinoid from the Albian of Alberta, Canada (Early Cretaceous). *Canadian Journal of Earth Sciences*.

Borths, M.R., and W.I. Ausich. (2011, in press). Ordovician-Silurian Lilliput crinoids during the end-Ordovician biotic crisis. *Swiss Journal of Paleontology*. (Invited paper) (30 ms pages)

Meyer, D.L., and W.I. Ausich. (in press). Fort Payne carbonate facies [Mississippian] of south-central. *Cincinnati Museum Center Scientific Contributions*.

Greb, S.F., P.E. Potter, D.L. Meyer, and W.I. Ausich. (in press). Mud Mounds, Paleoslumps, Crinoids, and More; The Geology of the Fort Payne Formation at Lake Cumberland, South-central Kentucky. *Kentucky Geological Survey Guidebook*. [As noted above waiting for paper publication, but online version available at www.professionalgeologist.org/guidebook.thtm].

Deline, B. and W.I. Ausich. (in press). Testing the plateau: A re-examination of disparity and morphological constraints in early Paleozoic crinoids. *Paleobiology* (56 ms pages).

PUBLICATIONS – Books and Monographs (author, editor, co-ordinating author)

Ausich, W.I., and P. Copper, P. 2010. The Crinoidea of Anticosti Island, Québec (Late Ordovician to Early Silurian). *Palaeontographica Canadiana*, 29, 157 p.

Ausich, W.I., and G.D. Webster (eds.). 2008. *Echinoderm Paleobiology*. Indiana University Press, Bloomington, 456 p.

Hess, H., W.I. Ausich, C.E. Brett, and M.J. Simms. 2002. *Fossil Crinoids*. Cambridge University Press, 275 p. [paperback edition of 1999 book].

Ausich, W.I., and G.D. Sevastopulo. 2001. Lower Carboniferous (Tournaisian) crinoids from Hook Head, County Wexford, Ireland. *Monograph of the Palaeontographical Society*, 617, 136 p.

Hess, H., W.I. Ausich, C.E. Brett, and M.J. Simms. 1999. *Fossil Crinoids*. Cambridge University Press, Cambridge, 275 p. [reprinted in 2002 in paperback edition.]

Ausich, W.I., and N.G. Lane. 1999. *Life of the Past*, Fourth Edition. Prentice-Hall, New York, 321 p.

PUBLICATIONS – Online Treatise on Invertebrate Paleontology as Coordinating Author:
<paleo.ku.edu/treatiseonline>

Hess, H. 2010. Part T, Revised, Volume 1, Chapter 19: Paleoeology of Pelagic Crinoids, 33 p. *In* Seldon, P. (Ed.) and W.I. Ausich (Coordinating Author). *Treatise Online*, 16 (ISSN2153-4012).

PUBLICATIONS – In Refereed Journals

Young, S.A., M.R. Saltzman, A. Desrochers, W.I. Ausich, and D. Kaljo. 2010. Did changes in atmospheric CO² coincide with Late Ordovician glacial-interglacial cycles? *Palaeogeography, Palaeoclimatology, Palaeoecology*, 296:376-388.

Ausich, W.I., and T.W. Kammer. 2010. Generic concepts in the Batocrinidae Wachsmuth and Springer, 1881 (Class Crinoidea). *Journal of Paleontology*, 84:32-50.

Ausich, W.I. 2010. *Post-hoc* sampling analysis of crinoid collections from Anticosti Island, Quebec, Canada. *Memoirs of the Association of Australasian Paleontologists*, 39: 12-25. (Invited paper)

- Ausich, W. I. 2009. A critical evaluation of the status of crinoids studied by Dr. Gerard Troost (1776-1850). *Journal of Paleontology*, 83:484-488 [plus online supplemental data.]
- Hollis, K.A., and W.I. Ausich. 2009. Ontogeny and life history strategy of *Barycrinus* (Crinoidea, Mississippian). *Lethaia*, 42(2):138-145.
- Ausich, W.I. 2009. These are not the crinoids your Granddaddy knew. *MAPS Digest*. 32(1):4-19. [editor reviewed]
- Boyarko, D., and W.I. Ausich. 2009. New calceocrinids from the Brassfield Formation of northern Kentucky and southern Ohio. *Southeastern Geology*, 46(2):103-108.
- Ausich, W.I., and T.W. Kammer. 2009. Generic concepts in the Platycrinitidae Austin and Austin (Class Crinoidea). *Journal of Paleontology*, 83(5):694-717.
- Ettensohn, F.R., W.I. Ausich, T.W. Kammer, W.K. Johnson, and D.R. Chesnut, Jr. 2009. Carboniferous echinoderm succession in the Appalachian Basin, p. 85-93. *In* S. F. Greb and D.R. Chesnut, Jr., Carboniferous of the Appalachian and Black Warrior Basins. Kentucky Geological Survey Special Publication 10, Series XII.
- Ausich, W.I., and T.W. Kammer. 2008. Generic concepts in the Amphoracrinidae Bather, 1899 (Class Crinoidea) and evaluation of generic assignments of North American species. *Journal of Paleontology*, 82:1130-1149.
- Hollis, K.A., and W.I. Ausich. 2008. The holdfast of *Gilbertsocrinus* (Mississippian, Crinoidea). *Canadian Journal of Earth Sciences*, 45:135-140.
- Lin, J.-P., W.I. Ausich, Y.-L. Zhao, and J. Peng. 2008. Taphonomy, Colouration, and Paleoecologic, Implications of Cambrian gogiid echinoderms from Guizhou Province, South China. *Geological Magazine*, 145(1):17-36.
- Peters, S.E., and W.I. Ausich. 2008. A sampling-adjusted macroevolutionary history for Ordovician-Silurian crinoids. *Paleobiology*, 34(1):104-116.
- Lin, J.-P., W.I. Ausich, and Y.-L. Zhao. 2008. Settling strategies of eocrinoids from the Kaili Biota (middle Cambrian) Guizhou Province, South China. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 258:213-221. (invited paper)
- Ausich, W.I. 2007. Book Review: Daniel F. Merriam, 2007, *Raymond Cecil Moore, Legendary Scholar and Scientist, World-Class Geologist and Paleontologist*. University of Kansas Department of Geology and Paleontological Institute Special Publication, 5, Lawrence Kansas, viii+170 p. *Palaios Book Review* [online:

DOI:10.2110/pao.2007.BR020].

- Kammer, T.W., and W.I. Ausich. 2007. Stratigraphical and geographical distribution of Mississippian Crinoidea from Scotland. *Earth and Environmental Transactions of the Royal Society of Edinburgh*, 98:139-150.
- Kammer, T.W., and W.I. Ausich. 2007. New cladid and flexible crinoids from the Mississippian (Tournaisian) of England and Wales. *Palaeontology*, 50(5):1039-1050.
- Ettensohn, F.R., W.I. Ausich, T.W. Kammer, W.K. Johnson, and D.R. Chesnut, Jr.. 2007. Carboniferous echinoderm zonation in the Appalachian Basin, eastern USA. *Geologie en Mijnbouw*, 84:177-189 [T.E. Wong, (ed.) *Proceedings of the Xvth International Congress on Carboniferous and Permian Stratigraphy*].
- Schmidt, D.A., C.K. Carney, and W.I. Ausich. 2007. Stromatoporoid-tabulate coral reefs, USA, p. 117-119. *In*, E. Vennin, M. Aretz, F. Boulvain, and A. Munnecke (Eds.), *Facies from Palaeozoic Reefs and Bioaccumulations. Mémoires du Muséum national d'Histoire naturelle*, 195.
- Ausich, W.I., D.A. Schmidt, and C.K. Carney. 2007. Stromatactis-stromatoporoid-tabulate coral reefs, USA, p. 121-123. *In*, E. Vennin, M. Aretz, F. Boulvain, and A. Munnecke (Eds.), *Facies from Palaeozoic Reefs and Bioaccumulations. Mémoires du Muséum national d'Histoire naturelle*, 195.
- Kammer, T.W., and W.I. Ausich. 2007. Soft tissue preservation of the hind gut in a new genus of cladid crinoids from the Lower Carboniferous (Asbian) at St. Andrews, Scotland. *Palaeontology*, 50(4):951-959.
- Ausich, W.I., A.A. Sá, and J.C. Gutiérrez-Marco. 2007. New and Revised occurrences of Ordovician crinoids from southwestern Europe. *Journal of Paleontology*, 81(6):1374-1383.
- Richardson, J.G., and W.I. Ausich. 2007. Late Ordovician-Early Silurian cryptospore occurrences on Anticosti Island (Île d'Anticosti), Quebec, Canada. *Canadian Journal of Earth Sciences*, 44:1-7.
- Schopf, J.W., W.I. Ausich, J.R. Dodd, C.A. Hall, R.L. Parsley, G.D. Webster. 2007. Norman Gary Lane: President of the Paleontological Society (1987-1988) and Founder of "Friends of the Echinoderms" (1967). *Journal of Paleontology*, 81:221-226.
- Kammer, T.W., W.I. Ausich, and A. Goldstein. 2007. *Gilmocrinus kentuckyensis* n. sp. from the late Osagean (Mississippian) Muldraugh Member of the Borden Formation in Kentucky: A European immigrant originally derived from North America? *Journal of Paleontology*, 81(1):209-212.
- Lin, J.-P., A.C. Scott, C.-W. Li, H.-J. Wu, W.I. Ausich, Y.-L. Zhao, and Y.K. Hwu. 2006.

- Silicified egg clusters from a Middle Cambrian Burgess Shale-type Deposit, Guizhou, South China. *Geology*, 34(12):1037-1040.
- Ausich, W.I. 2006. Book Review: *Frank Springer and New Mexico, from the Colfax County War to the Emergence of Modern Santa Fe*. *Earth Sciences History*, 25(1):155-158.
- Lane, N.G. and W.I. Ausich. 2006. *Camerata*, p. 415-416. In, *McGraw-Hill Encyclopedia of Science and Technology*. McGraw-Hill, New York.
- Ausich, W.I., and T.W. Kammer. 2006. Stratigraphic and Geographic Distribution of Lower Carboniferous Crinoidea from England and Wales. *Proceedings of the Yorkshire Geological Society*, 56(2):91-109.
- Kammer, T.W., and W.I. Ausich. 2006. The “Age of Crinoids”: a Mississippian biodiversity spike coincident with widespread carbonate ramps. *Palaios*, 21:236-248.
- Ausich, W.I., and S.E. Peters. 2005. A revised macroevolutionary history for Ordovician-Silurian crinoids. *Paleobiology*, 31:542-555.
- Ausich, W.I., and N.G. Lane. 2005. Isolated ideas: crinoid literature of the 16th Century. *Earth Sciences History*, 24:81-92.
- Lee, K.G., W.I. Ausich, and T.W. Kammer. 2005. Crinoids from the Nada Member of the Borden Formation (Lower Mississippian) in eastern Kentucky. *Journal of Paleontology*, 79(2):337-356.
- Richardson, J.G., and W.I. Ausich. 2004. Miospore biostratigraphy of the Borden Formation (Osagean; Tournaisian/Visean) of Kentucky and Indiana, U.S.A. *Palynology*, 28:159-174.
- Richardson, J.G., and W.I. Ausich. 2004. Paleozoic glacio-eustatic fingerprints; Evidence from third-order sequences in the Borden Delta (Mississippian; Osagean) of Kentucky and Indiana (U.S.A.). *Northeastern Geology and Environmental Sciences*, 26(4):337-356.
- Ausich, W.I. 2004. A Geological Society. *Geoscientist*, 14(1):18-19.
- Ausich, W.I. 2003. Encrinites, p. 248-249. In G. Middleton (ed.) *Encyclopedia of Sediments and Sedimentary Rocks*. Kluwer Publishers, Dordrecht, The Netherlands.
- Glass, A., W.I. Ausich, and P. Copper. 2003. New cyclocystoid (Phylum Echinodermata) from Anticosti Island, Quebec, and its bearing on cyclocystoid life modes. *Journal of Paleontology*, 77:949-957.
- Ausich, W.I. 2003. New cladid crinoid (Phylum Echinodermata) from the Middle

- Devonian Delaware Limestone, Franklin County, Ohio. *Ohio Journal of Sciences*, 103(2):19-24.
- Ausich, W.I. 2003. Developmental breakdown during the early evolution of the Codiocrinidae: *Parazophocrinus callosus* Strimple (Class Crinoidea). *Journal of Paleontology*, 77:471-475.
- Ausich, W.I. 2003. Lower Mississippian crinoid (Echinodermata) fauna from Utah County, Utah. *Journal of Paleontology*, 77:139-145.
- Ausich, W.I., and D. Gil Cid, and P. Domínguez Alonso. 2002. Ordovician [Dobrotivian (Llandeillian Stage) to Ashgill] Crinoids (Phylum Echinodermata) from the Montes de Toledo and Sierra Morena, Spain with implications for paleogeography of peri-Gondwana. *Journal of Paleontology*, 76:975-992.
- Schnedier, K.A., and W.I. Ausich. 2002. Paleoecology of framebuilders in Early Silurian reefs (Brassfield Formation, southwestern Ohio). *Palaios*, 17:237-248.
- Lane, N.G., and W.I. Ausich. 2001. The legend of St. Cuthbert's beads. *Folklore*, 112, 65-87.
- Ausich, W.I., and D.J. Bottjer. 2001. Sessile Invertebrates, p. 384-386. *In* D.E. Briggs, and P.R. Crowther. *Palaeobiology II*. Blackwell Scientific Publications, Ltd.; London.
- Ausich W.I., and T.W. Kammer. 2001. The study of crinoids during the 20th Century and the challenges of the 21st Century. *Journal of Paleontology*, 75:1161-1173.
- Ausich, W.I., and G.D. Sevastopulo. 2001. Nomenclatorial listing of all names applied to crinoid specimens from the Hook Head fauna with present status according to Ausich & Sevastopulo (2001). The British Library Document Supply Centre Supplementary Publication, SUP 90487, 11 p.
- Ausich, W.I., and G.D. Sevastopulo. 2001. Hook Head Formation crinoids deposited in museums, forming the basis of systematic revisions in Ausich and Sevastopulo (2001). The British Library Document Supply Centre Supplementary Publication, SUP 90488, 34 p.
- Ausich, W.I. 2000. A remarkably long crinoid column from the Notwata Shale (Marmaton Group, Upper Desmoinesian), Tulsa, Oklahoma. *Oklahoma Geology Notes*, 0:60-61.
- Esquivel-Macías, C., W.I. Ausich, B.E. Buitrón-Sánchez, and A. Flores de Dios. 2000. Pennsylvanian and Mississippian pluricolumnal assemblages (Class Crinoidea) from southern Mexico and a new occurrence of a column with a tetralobate lumen. *Journal of Paleontology*, 74:1187-1190.
- Ausich, W.I., and L.E. Babcock. 2000. *Echmatocrinus*, a Burgess Shale animal reconsidered. *Lethaia*, 33:92-94.

- Ausich, W.I., A. Goldstein, and R. Yates. 2000. Crinoids from the Muldraugh Member of the Borden Formation in north-central Kentucky (Echinodermata, Lower Mississippian). *Journal of Paleontology*, 74:1072-1082.
- Ausich, W.I. 2000. Bones in the Ivory Tower. *Geotimes*, 45:18-21.
- Bodenbender, B.E., and W.I. Ausich. 2000. Skeletal crystallography and crinoid calyx architecture. *Journal of Paleontology*, 74:52-66.
- Unrug, R., W.I. Ausich, J. Bednarczyk, R.J. Cuffey, B.L. Mamet, S.L. Palmes, and S. Unrug. 2000. Paleozoic age of the Walden Creek Group, Ocoee Supergroup in the Western Blue Ridge, Southern Appalachians: Implication for evolution of the Appalachian margin of Laurentia. *Geological Society of America Bulletin*. 112:982-966.
- Ausich, W.I., G.D. Sevastopulo, and H. Torrens. 1999. Middle Nineteenth Century crinoid studies of Thomas Austin, Sr. and Thomas Austin Jr.: Newly discovered unpublished materials. *Earth Sciences History*, 18:180-197. [publication appeared November 2000, despite 1999 copyright]
- Ausich, W.I. 1999. Origin of Crinoids, p. 237-242. *In* M.D. Candia Carnevali and F. Bonasara (eds). *Echinoderm Research 1998*. A.A. Balkema; Rotterdam.
- Ausich, W.I. 1998. Phylogeny of Arenig to Caradoc Crinoids (Phylum Echinodermata) and suprageneric classification of the Crinoidea. *University of Kansas Paleontological Contributions Papers, New Series*, 9, 36 p.
- Kammer, T.W., T.K. Baumiller, and W.I. Ausich. 1998. Evolutionary significance of differential species longevity in Osagean-Meramecian (Mississippian) crinoid clades. *Paleobiology*, 24:155-176.
- Ausich, W.I., and T.K. Baumiller. 1998. Disarticulation patterns in Ordovician crinoids: Implications for the evolutionary history of connective tissue in the class Crinoidea (Echinodermata). *Lethaia*, 31:113-123.
- Ausich, W.I., T.E. Bolton, and L.M. Cumming. 1998. Whiterockian (Ordovician) crinoid fauna from the Table Head Group, western Newfoundland (Canada). *Canadian Journal of Earth Sciences*, 35:121-130.
- Ausich, W.I. 1998. Origin of the Crinoidea, p. 127-132. *In* R. Mooi, and M. Telford (eds.) *Echinoderms*: San Francisco. A.A. Balkema, Rotterdam.
- Ausich, W.I., and L.E. Babcock. 1998. The phylogenetic position of *Echmatocrinus brachiatus*, a probable octocoral from the Burgess Shale. *Palaeontology*, 41:193-202.

- Ausich, W.I. 1998. Early phylogeny and subclass division of the Crinoidea (phylum Echinodermata). *Journal of Paleontology*, 72:499-510.
- Harvey, E.W., and W.I. Ausich. 1997. Phylogeny of calceocrinid crinoids (Paleozoic: Echinodermata): Biogeography and mosaic evolution. *Journal of Paleontology*, 71:299-305.
- Meyer, D.L., and W.I. Ausich. 1997. Morphologic variation within and between populations of the camerate crinoid *Agaricocrinus* (Lower Mississippian, Kentucky and Tennessee): Breaking the Spell of the mushroom. *Journal of Paleontology*, 71:896-917.
- Meyer, D.L., P.E. Potter, J.L. Thies, W.I. Ausich, and S.A. Leslie. 1997. A deep-to-shallow transition in the Fort Payne Formation (Lower Mississippian) Kentucky Highway 61, Cumberland County, Kentucky. Kentucky Geological Survey Map and Chart Series, 12.
- Kammer, T.W., T.K. Baumiller, and W.I. Ausich. 1997. Species longevity as a function of niche breadth: Evidence from fossil crinoids. *Geology*, 25: 219-222.
- Ausich, W.I., T.W. Kammer, and D.L. Meyer. 1997. Middle Mississippian disparid crinoids from the east-central United States. *Journal of Paleontology*, 71:131-148.
- Leslie, S.A., W.I. Ausich, and D.L. Meyer. 1996. Lower Mississippian sedimentation dynamics and conodont biostratigraphy (lowermost Fort Payne Formation) along the southeastern margin of the Easter Interior Seaway. *Southeastern Geology*, 36:27-35.
- Ausich, W.I. 1996. Crinoid plate circlet homologies. *Journal of Paleontology*, 70:955-964.
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- Kammer, T.W., and W.I. Ausich. 1996. Primitive cladid crinoids from the upper Osagean-lower Meramecian (Mississippian) rocks of the east-central United States. *Journal of Paleontology*, 70:835-866.
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- Ausich, W.I. 1995. What is *Mitrocinus wetherbyi* S.A. Miller and Gurley, 1894? *Journal of Paleontology*, 69:1188-1190.
- Ausich, W.I. 1995. N. Gary Lane *Raymond C. Moore Medalist* For Excellence in Paleontology. *Journal of Sedimentary Research*, B65:496-497 [not refereed].
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69:1090-1106.

- Ausich, W.I. 1995. Presentation of the Paleontological Society Medal to Walter C. Sweet. *Journal of Paleontology*, 69:797. [not refereed]
- Baumiller, T.K., G. Llewellyn, C. Messing, and W.I. Ausich. 1995. Taphonomy and autotomy of isocrinid stalks: Influence of decay and autotomy. *Palaios*, 10:87-95.
- Ausich, W.I., and G.D. Sevastopulo. 1994. Taphonomy of Lower Carboniferous crinoids from the Hook Head Formation, Ireland. *Lethaia*, 27:245-256.
- Ausich, W.I., T.W. Kammer, and T.K. Baumiller. 1994. Demise of the Middle Paleozoic crinoid fauna: A single extinction event or rapid faunal turnover? *Paleobiology*, 20: 345-361.
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POST-DOCTORAL STUDENTS

Brian Bodenbender (1995-1996)
Tomasz K. Baumiller (1990-1991)

PH.D. DISSERTATIONS DIRECTED

The Ohio State University

Bancroft, A. (in progress)

Peter, M.(in progress)

O'Malley, C.E 2009. Biomarkers in Paleozoic crinoids: Origin, Identity, and phylogenetic significance

Lin, J.-P. 2007. From a fossil assemblage to a paleoecological community – Time organisms, and environment, based on the Kaili Lagerstätte (Cambrian) and coeval deposits of exceptional preservation.

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M.S. THESES DIRECTED

The Ohio State University

Krivicich, E. (in progress)

Swift, R. (in progress)

O'Connor, G. Paleocology of a near-reef community in the Brassfield Formation (Lower Silurian) Oakes Quarry Park, Fairborn, Ohio.

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B.S. THESES DIRECTED

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