

30 March 2008

## CURRICULUM VITAE

Barry M. OConnor

### Personal

Born November 9, 1949, Des Moines, Iowa, USA  
Citizenship: USA.

### Education

Michigan State University, 1967-69. Major: Biology.  
Iowa State University, 1969-71. B.S. Degree, June, 1971, awarded with  
Distinction. Major: Zoology; Minors: Botany, Education.  
Cornell University, 1973-79. Ph.D. Degree, August, 1981. Major Subject:  
Acarology; Minor Subjects: Insect Taxonomy, Vertebrate  
Ecology.

### Professional Employment

Research Zoologist, Department of Zoology, University of California,  
Berkeley, California; October, 1979 - September, 1980.  
Assistant Professor of Biology/Assistant Curator of Insects, Museum of  
Zoology, University of Michigan, Ann Arbor, Michigan; October,  
1980 - December, 1986.  
Associate Professor of Biology/Associate Curator of Insects, Museum of  
Zoology, University of Michigan, Ann Arbor, Michigan; January,  
1987 - April 1999.  
Professor of Biology/Curator of Insects, Museum of Zoology, University of  
Michigan, Ann Arbor, Michigan; September 1999 - June 2001.  
Professor of Ecology and Evolutionary Biology/Curator of Insects, Museum of  
Zoology, University of Michigan, Ann Arbor, Michigan; July  
2001-present  
Visiting Professor, Escuela Nacional de Ciencias Biologicas, Instituto  
Politecnico Nacional, Mexico City, Mexico; January-February,  
1985.  
Visiting Professor, The Acarology Summer Program, Ohio State University,  
Columbus, Ohio; June-July 1980 - present.

### Honors, Awards and Fellowships

National Merit Scholar, 1967-71.  
B.S. Degree awarded with Distinction, 1971.  
National Science Foundation Graduate Fellowship, 1973-76.  
Cornell University Graduate Fellowship, 1976-77.  
Tawfik Hawfney Memorial Fellowship, Ohio State University, 1977.  
Outstanding Teaching Assistant, Cornell University Department of  
Entomology, 1978.  
President, Acarological Society of America, 1985.

Fellow, The Willi Hennig Society, 1984.  
 Excellence in Education Award, College of Literature, Science and the  
 Arts, University of Michigan, 1995  
 Keynote Speaker, Acarological Society of Japan, 1999.  
 Teaching Award, International Journal of Acarology, 2005  
 Excellence in Concentration Advising Award, College of Literature Science  
 and the Arts, University of Michigan, 2006

### Grants

Grant, Curation of Astigmatid mites in the Canadian National Collection,  
 Canacoll Foundation, 1978.  
 Faculty Research Grant, "Systematics of North American Glycyphagoid  
 Mites," Horace Rackham School of Graduate Studies, University  
 of Michigan, 1981.  
 Grant, "Phylogenetic analysis of the Hemisarcoptidae (Acari: Acariformes):  
 interspecific and intraspecific variation in morphological  
 characters and its evolutionary significance," National Science  
 Foundation (BSR-8307711), 1983-86 (with M. A. Houck).  
 Research Partnership Award, Historical ecology of mite communities in  
 phytotelmata. Horace Rackham School of Graduate Studies,  
 University of Michigan, 1989-90 (with R. Naczi)  
 Grant, "Modernization of collection facilities of the University of Michigan  
 Museum of Zoology Insect Division," National Science  
 Foundation (DEB 9312166), 1994-96. (\$314,913).  
 Grant, "Systematics, Ontogeny and Ecology of the family Acaridae," National  
 Science Foundation (DEB-9521744), 1995-2000. (\$550,816), with  
 REU supplements, 1997-8 & 1998-9, 1999-2000 (\$5,000 each).  
 Grant, "Transfer of the Atyeo collection of parasitic mites from the University  
 of Georgia to the University of Michigan and modernization of  
 collection facilities for the ectoparasite collections of the  
 Museum of Zoology," National Science Foundation (DEB-  
 9727898), 1998-2000 (\$65,489).  
 Grant, "Phylogeny and Historical Ecology of Mite Parasites of Vertebrates  
 (Acari: Dermanyssoidea and Sarcoptoidea)." National Science  
 Foundation (DEB-0118766), 2001-2006 (\$688,143).  
 Grant, "Systematics and Ecology of North American Bee-associated mites:  
 Potential Threats to Native and Introduced Pollinators." US  
 Department of Agriculture (CSREES-2002-35302-12654), 2002-  
 2004 (\$210,000).  
 Grant, "Phylogeny of the house dust mites and relatives: evolution or  
 devolution of parasitism?" National Science Foundation (DEB-  
 0613769), 2006-2009 (\$450,000).

### Teaching Experience

Cornell University Teaching Assistant, 1973-74; 1977-79.  
 (Insect Morphology; Aquatic Entomology; Acarology)

Ohio State University, The Acarology Summer Program, 1977; 1980 - present. (General Acarology; Medical-Veterinary Acarology; Agricultural Acarology)  
 University of Michigan, 1980 - present. (General Biology -Evolution and Animal Diversity; Parasitology; Acarology; Coevolution Seminar)  
 Escuela Nacional de Ciencias Biologicas, Mexico City, 1985. (Evolucion y aspectos economicos de los acaros Astigmata)

### Professional Societies

Entomological Society of America  
 Acarological Society of America  
 New York Entomological Society  
 Michigan Entomological Society  
 American Society of Parasitologists  
 Willi Hennig Society  
 Michigan Academy of Science, Arts and Letters  
 Natural Science Collection Alliance (formerly, Association of Systematics Collections)

### Honorary Societies

Phi Kappa Phi  
 Sigma Xi

### Administrative Service

#### a. Internal University service

University of Michigan, Museum of Zoology: Executive Committee (3 terms), Publication Committee, Artist Review Committee, Internal Review Committee, other *ad hoc* committees.

University of Michigan, Department of Biology: Associate Chair for Curriculum (1993-5); Graduate Affairs Committee (2 terms); Curriculum Committee (chair, 1993-5); Executive Committee (2 terms) ; Master's Committee (chair, 1998); Nominating Committee (4 terms); Ph.D. Student Evaluation Committee (3 terms, chair, 1997); Ph.D. Admissions Committee (chair, 1992-3); ad hoc Promotions Committee; ad hoc Committee reorganizing introductory biology curriculum; group leader, Ecology, Evolution and Organismal Biology group (1991-3); EEOB executive committee; long range planning committee (1994).

University of Michigan, Department of Ecology and Evolutionary Biology: Transition team/Executive committee (2001-2002; 2005-present); Associate Chair for Curriculum & Curriculum committee chair (2007-present); Graduate Affairs Committee (2001-2003, chair, 2002-3); Promotions & Merit Committee (2003-2005); Search Committee (chair, 2001).

University of Michigan, College of Literature, Science and the Arts & Horace G. Rackham School of Graduate Studies: various review panels for funding awards; Commencement Marshall, 1990.  
 University of Michigan: Institutional representative to the Natural Science Collections Alliance (1982-1989, 1997-2003).

b. External service

Natural Science Collections Alliance: (Institutional Representative, 1982 - 1989; 1997-2003; member executive board, 1997-1999)  
 Entomological Society of America: Section A (Systematics, Morphology & Evolution): secretary (1997), chair-elect (1998), chair (1999); Publications Council (1999-2002)  
 Acarological Society of America: Member, executive board (1984-7; 2000-2002); Program chair (1986); President (1987).  
 International Journal of Acarology: Member, editorial board, 1987-present; co-editor, 2003-present  
 Acarologia: Member, editorial board, 1991-present  
 Acarina: Member editorial board, 2006-present  
 Journal of Medical Entomology: editorial board: section A representative (1986-1996) and chair (1991 & 1996)  
 International Congress of Acarology: Member, executive board, 1998-2002, Executive Secretary, 2002-2006.

Service on Doctoral Committees

University of Michigan Department of Biology/Ecology & Evolutionary Biology:

Joel Weichsel, Ph.D. 1987 - industry position  
 Bernard Crespi, Ph.D. 1987 - Simon Fraser University (Dept. Biol.)  
 James Fry, Ph.D. 1988 - North Carolina State University (Dept. Genetics)  
 Johannes Klompen, Ph.D. 1990 - Associate Professor/Associate Curator, Department of Entomology & Museum of Biological Diversity, Ohio State University (chair)  
 Brian Scholtens, Ph.D. 1990 - College of Charleston (S.C.) (Dept. Biology)  
 Lisa Vawter, Ph.D. 1991 - Harvard University (MCZ)  
 Paulo Buckup, Ph.D. 1991 - Brazilian National Museum, Rio de Janeiro  
 Robert Naczi, Ph.D. 1992 - University of Delaware (Dept. Biology)  
 Randall Evans, Ph.D. 1992 - Missouri Botanical Gardens  
 Jennifer Mansfield-Jones, Ph.D. 1995-University of Michigan (Dept. Biol.)  
 Sharon Jansa Ph.D. 1998 - American Museum of Natural History  
 Antonia Gorog Ph.D. 2003 - World Wildlife Fund  
 Teresa Friedrich Ph.D. 2003 -  
 Ashley Dowling Ph.D. 2005 - University of Arkansas

School of Natural Resources and Environment

Rebecca Bixby Ph.D. 2001

Ethan Bright - current

Department of Microbiology & Immunology:  
Jeffrey Banas, Ph.D. 1987

Postdoctoral Fellows (& current position)

Marilyn Houck, (1983-6) - Associate Professor, Department of Biology, & Curator of Invertebrates, Natural Science Research Laboratory, Texas Tech University, Lubbock, TX. (retired, 2003)

Kimiko Okabe (1995-1997) - Research Scientist, Forestry & Forest Products Research Institute, Ibaraki, Japan

Ronald Ochoa (1996-1998) - Research Scientist, Systematic Entomology Laboratory, USDA, Beltsville, MD

Ariel Diaz (1999-2000) - Assistant Professor, Department of Biology, University of Puerto Rico, Cayey, Puerto Rico

Pavel Klimov (2000-present) - current

Andre Bochkov (2003-2006) – Senior researcher, Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia.

Invited Presentations

Evolutionary origins of astigmatid mites inhabiting stored products. Symposium on Stored Product Acarology. Vth International Congress of Acarology, East Lansing, Michigan. August 6-12, 1978.

Major patterns in the evolution of astigmatid mites. Acarological Symposium. Entomological Society of America, Atlanta, Georgia. November 30 - December 4, 1980.

Acarine-fungal relationships: the evolution of symbiotic associations. Symposium on insect-fungus relationships. Entomological Society of America, Eastern Branch, Syracuse, New York. October 5-6, 1981.

Phylogenetic relationships among higher taxa in the Acariformes, with particular reference to the Astigmata. Symposium on acarine evolution and speciation. VIth International Congress of Acarology, Edinburgh, Scotland. September 5-11, 1982.

Comparison of coevolutionary relationships among the Acarine parasites of vertebrates. 34th Annual AIBS Meeting, Grand Forks, North Dakota. August 7-11, 1983.

Coevolutionary patterns among astigmatid mites and arthropods. Symposium on acarine-arthropod associations: coevolutionary patterns and processes. Entomological Society of America, Detroit, Michigan. November 28 - December 2, 1983.

Systematic collections as acarological resources. Informal conference, Acarological Society of America, Hollywood, Florida, December 8-12, 1985.

Ecological factors influencing host associations of astigmatid mites. Acarological Symposium, Entomological Society of America, Reno, Nevada, December 7-11, 1986.

Coevolution in Astigmatid mite-bee associations. International Conference on Africanized honey bees and bee mites, Columbus, Ohio, March 30 - April 1, 1987.

- Evolution of glycyphagoid mites in association with humans and other mammals. Symposium on stored product acarology and household mites of medical importance, XVIIIth International Congress of Entomology, Vancouver, Canada, July 3-9, 1988.
- Historical ecology of astigmatid mites inhabiting phytotelmata. Second international symposium on Phytotelmata, XVIIIth International Congress of Entomology, Vancouver, Canada, July 3-9, 1988.
- The North American Acarofauna: current status and future projections. Program symposium: Diversity and dynamics of the North American insect and arachnid fauna, Entomological Society of America, Louisville, Kentucky, December 4-8, 1988.
- Evolution of life history and reproductive patterns of astigmatid mites. Acarological symposium, Entomological Society of America, San Antonio, Texas, December 10-14, 1989.
- Astigmatid mites associated with insects in the Huron Mountains. Symposium on Invertebrates in Michigan, Zoology Section of the Michigan Academy, Albion, Michigan, March 9, 1990.
- Morphological and ecological adaptations for dispersal in astigmatid mites. Acarological Symposium, Entomological Society of America, New Orleans, Louisiana, December 2-6, 1990.
- Phylogenetic perspectives on mite-insect interactions: the evolution of acarinaria. 9th International Congress of Acarology, Columbus, Ohio, 17-22 July 1994
- The acarid mites of long-tongued bees: ontogeny, phylogeny and coevolutionary patterns. Eickwort Memorial Symposium, Cornell University, 21-23 April 1995
- Historical ecology of the family Acaridae: phylogenetic evidence for host and habitat shifts. Xth International Congress of Acarology, Canberra, Australia, July 1998.
- Phylogeny and ecology of mites of the family Acaridae. Keynote address, 8th Annual meeting of the Acarological Society of Japan, Matsuyama, Japan, October 1999.
- Short Course on Acarine Phylogeny and Ecology. Institute of Environmental Science and Technology, Yokohama National University, Japan. October 1999
- Soil dwelling astigmatid mites: ecological shifts from patchy to continuous habitats. Acarological Symposium, Entomological Society of America, Montreal, Quebec, Canada, December 2000.
- Phylogeny of the Glycyphagoidea (Astigmata): evolution of deutonymphal parasitism. Symposium on Diversity and Ecology of Acari associated with vertebrates, XII International Congress of Acarology, Amsterdam, the Netherlands 21-26 August 2006.
- Evolution of female intromittent organs in astigmatid mites. Symposium: Different ways to hitch a ride: phylogenetic perspectives on ectoparasitism. Entomological Society of America, Indianapolis, IN 10-13 December 2006.

Molecular phylogeny and coevolution of the Sarcoptoidea (Acari: Astigmata) parasitic on mammal hosts. Symposium on Ectoparasitic Mites, Entomological Society of America, San Diego, CA 9-12 December 2007.

Other invited presentations given at a number of universities, museums and the Smithsonian Tropical Research Institute.

### Publications

1. Dritschilo, W., H. Cornell, D. Nafus and B.M. OConnor. 1975. Insular biogeography: of Mice and Mites. *Science* 190: 467-69.
2. OConnor, B.M., W. Dritschilo, D. Nafus and H. Cornell. 1977. Ectoparasitic mites on rodents: application of the Island Biogeography theory? A reply to Kuris and Blaustein. *Science* 195: 586-98.
3. OConnor, B.M., J.O. Whitaker, Jr. and D.A. Easterla. 1977. A new species of *Nycteriglyphus* (Acari: Rosensteiniidae) from guano of *Leptonycteris nivalis* (Chiroptera: Phyllostomatidae). *Annals of the Entomological Society of America* 70: 237-41.
4. OConnor, B.M. 1978. A redescription of *Speleorodens michigensis* (Ford) n. comb. (Acari: Ereyneidae), a nasal mite of microtine rodents, with comments on generic relationships in the Speleognathinae. *Journal of the New York Entomological Society* 86: 123-29.
5. OConnor, B.M. and W. Reisen. 1978. *Chiroptoglyphus*, a new genus of mites associated with bats with comments on the family Rosensteiniidae (Acari: Astigmata). *International Journal of Acarology* 4: 179-94.
6. OConnor, B.M. 1979. A new species of *Ctenoglyphus* (Acari: Glycyphagidae) from *Meriones unguiculatus* (Rodentia: Cricetidae) with notes on the subfamily Ctenoglyphinae. *Journal of Medical Entomology* 15: 265-71.
7. Lindquist, E.E., B.M. OConnor, F. Clulow and H.H.J. Nesbitt. 1979. Acari: Acaridiae. in Danks, H.V. (ed.), *Canada and its Insect Fauna*. *Memoirs of the Entomological Society of Canada* 108: 277-84.

8. Lowenstine, L.J., J.L. Carpenter and B.M. OConnor. 1979. Trombiculosis in a cat. *Journal of the American Veterinary Medical Association* 175: 289-92.
9. OConnor, B.M. 1979. Evolutionary origins of astigmatid mites inhabiting stored products. *in* Rodriguez, J.G. (ed.), *Recent Advances in Acarology*, vol. I. Academic Press, New York. pp. 273-78.
10. OConnor, B.M. 1979. A review of the family Heterocoptidae (Acari: Astigmata). *in* Rodriguez, J.G. (ed.), *Recent Advances in Acarology*, vol. 2. Academic Press, New York. pp. 429-33.
11. Smiley, R.L. and B.M. OConnor. 1980. Mange in *Macaca arctoides* (Primates: Cercopithecidae) caused by *Cosarcoptes scanloni* (Acari: Sarcoptidae) with possible human involvement and descriptions of the adult male and immature stages. *International Journal of Acarology* 6: 283-90.
12. Spicka, E.J. and B.M. OConnor. 1980. Description and life cycle of *Glycyphagus (Myacarus) microti* n. sp. (Acarina: Sarcoptiformes: Glycyphagidae) from *Microtus pinetorum* in New York, U.S.A. *Acarologia* 21: 451-76.
13. OConnor, B.M. 1981. A new genus and species of Hypoderidae (Acari: Astigmata) from the nest of an owl (Aves: Strigiformes). *Acarologia* 22: 299-304.
14. OConnor, B.M. 1981. A systematic revision of the family group taxa in the non-psoroptidid Astigmata. Ph.D. Thesis. Cornell University. 594 pp.
15. OConnor, B.M. 1982. Evolutionary ecology of astigmatid mites. *Annual Review of Entomology* 27: 385-409.
16. OConnor, B.M. 1982. Acari: Astigmata. *in* Parker, S. (ed.), *Synopsis and Classification of Living Organisms*, Vol. 2. McGraw-Hill, New York. pp. 146-169.
17. Lombert, H.A.P.M., F.S. Lukoschus and B.M. OConnor. 1982. The life-cycle of *Cosmoglyphus inaequalis* Fain and Caceres, 1973, with comments on the systematic positions of the genus. Results of the Namaqualand-Namibia Expedition of the King Leopold III Foundation for the exploration and protection of nature (1980). *Bulletin de L'Institut royal des Sciences naturelles d'Belge, Entomologie*. 54(10): 1-17.

18. OConnor, B.M. F.S. Lukoschus and K.T.M. Giesen. 1982. Two new species of *Marmosopus* (Acari: Astigmata) from rodents of the genus *Scotinomys* (Cricetidae) in Central America. Occasional Papers of the Museum of Zoology, University of Michigan 703: 1-22.
19. Norton, R.A., B.M. OConnor and D.E. Johnston. 1983. Systematic relationships of the Pediculochelidae (Acari: Acariformes). Proceedings of the Entomological Society of Washington 85: 493-512.
20. OConnor, B.M. 1984. Acarine-fungal relationships: the evolution of symbiotic associations. in Wheeler, Q. and M. Blackwell (eds.), *Fungus-Insect Relationships: Perspectives in Ecology and Evolution*. Columbia University Press, New York. pp. 354-81.
21. OConnor, B.M. 1984. Phylogenetic relationships among higher taxa in the Acariformes, with particular reference to the Astigmata. in Griffiths, D.A. and C.E. Bowman (eds.), *Acarology VI*, vol. 1. Ellis Horwood, Ltd., Chichester. pp. 19-27.
22. OConnor, B.M. 1984. Coevolutionary patterns between astigmatid mites and primates. in Griffiths, D.A. and C.E. Bowman (eds.), *Acarology VI*, vol. 1. Ellis Horwood, Ltd., Chichester. pp. 186-95.
23. OConnor, B.M. 1984. Nomenclatural status of some family-group names in the non-psoroptidid Astigmata (Acari: Acariformes). International Journal of Acarology 10: 203-207.
24. Fashing, N.J. and B.M. OConnor. 1984. *Sarraceniopus*--a new genus for histiostomatid mites inhabiting the pitchers of the Sarraceniaceae (Astigmata: Histiostomatidae). International Journal of Acarology 10: 217-227.
25. OConnor, B.M. 1985. Hypoderatid mites (Acari) associated with cormorants (Aves: Phalacrocoracidae), with description of a new species. Journal of Medical Entomology 22: 324-331.
26. OConnor, B.M. 1985. Mites (Acari) associated with the long-tailed shrew, *Sorex dispar* (Insectivora: Soricidae), in Tennessee. American Midland Naturalist 114: 184-187.
27. OConnor, B.M. and J.C. Moser 1985. Phylogenetic relationships of the Algophagidae (Acari: Astigmata), with description of a new subfamily, genus and species. Annals of the Entomological Society of America. 78: 783-789.

28. Naeem, S., D.S. Dobkin and B.M. OConnor 1985. *Lasioseius* mites (Acari: Gamasida: Ascidae) associated with hummingbird-pollinated flowers in Trinidad. *International Journal of Entomology* 27: 338-353.
29. Bongers, M.G.H., B.M. OConnor and F.S. Lukoschus 1985. Morphology and ontogeny of histiostomatid mites (Acari: Asigmata) associated with cattle dung in the Netherlands. *Zoologische Mededelingen (Leiden)* 223: 1-56.
30. Klompen, J.S.H. and B.M. OConnor 1987. The systematic position of the genus *Chirobia* Fain, 1959 (Astigmata: Sarcoptidae) with a description of *Chirobia harpyionycteris* spec. nov. from the Old World fruit bat *Harpionycteris whiteheadi* (Chiroptera: Pteropodidae). *Systematic Parasitology* 9: 153-161.
31. Lombert, H.A.P.M., B.M. OConnor, F. S. Lukoschus, and J.O. Whitaker, Jr. 1987. Ontogeny, systematics and ecology of *Sennertia* (*Amsennertia*) *americana* Delfinado and Baker, 1976 (Acari: Astigmata: Chaetodactylidae) from the nest of the carpenter bee, *Xylocopa virginica* (Hymenoptera: Anthophoridae). *International Journal of Acarology* 13: 113-129.
32. OConnor, B.M., J.S.H. Klompen and H.A.P.M. Lombert. 1987. A new subfamily of quill-inhabiting mites (Acari: Knemidokoptidae) from Asian swifts (Aves: Apodidae) with observations on phylogenetic relationships in the Knemidokoptidae. *International Journal of Acarology* 13: 261-270.
33. OConnor, B.M. 1987. Host associations and coevolutionary relationships of astigmatid mite parasites of New World Primates. I. Families Psoroptidae and Audycoptidae. *Fieldiana (Zoology)* (n.s.) 39: 245-260.
34. Klompen, J.S.H., F.S. Lukoschus and B.M. OConnor 1987. Ontogeny, life history and sex ratio evolution in *Ensliniella kostylevi* Zakhvatkin, 1941 (Acari: Winterschmidtidae). *Journal of Zoology* 213: 591-607.
35. OConnor, B.M. and G.S. Pfaffenberger 1987. Systematics and evolution of the genus *Paraceroglyphus* and related taxa (Acari: Acaridae) associated with fleas (Insecta: Siphonaptera). *Journal of Parasitology* 73: 1189-1197.
36. OConnor, B.M. and G.C. Eickwort 1988. Morphology, ontogeny and systematics of the genus *Vidia* (Acari: Winterschmidtidae). *Acarologia* 29: 147-174.

37. OConnor, B.M. 1988. Coevolution in Astigmatid mite-bee associations. in Needham, G.R., R.E. Page, Jr, M. Delfinado-Baker & C. Bowman (eds.) *Africanized honey bees and bee mites*. Ellis-Horwood, Ltd. Chichester, England. pp. 339-346.
38. OConnor, B.M. and J.S.H. Klompen 1988. Occurrence of the bat tick, *Ornithodoros kelleyi* (Acari: Agasidae) in Michigan. *The Great Lakes Entomologist* 21: 93-94.
39. OConnor, B.M. and M. A. Houck 1989. A new genus and species of Hemisarcoptidae from Malaysia (Acari: Astigmata). *International Journal of Acarology* 15: 17-20.
40. Mullen, G.R., D.J. Leprince and B.M. OConnor 1989. Acarine associates of horse flies and deer flies (Diptera: Tabanidae) in North America. in Channabasavanna, G.P. & C.A. Viraktamath (eds.), *Progress in Acarology*, vol. 2, Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi. pp. 291-296.
41. OConnor, B.M. and M.A. Houck 1989. Two new genera of Hemisarcoptidae (Acari: Astigmata) from the Huron Mountains of Northern Michigan. *The Great Lakes Entomologist* 22: 1-10.
42. OConnor, B.M. 1989. Systematics, ecology and host associations of *Naiadacarus* (Acari: Acaridae) in the Great Lakes region. *The Great Lakes Entomologist* 22: 79-94.
43. Klompen, J.S.H. and B.M. OConnor 1989. Ontogenetic patterns and phylogenetic analysis in Acari. in Andre, H.M. & J.-Cl. Lions (eds.) *The concept of stase and the ontogeny of arthropods*. AGAR Publishers, Wavre, Belgium. pp. 91-103.
44. Gerson, U., B.M. OConnor and M.A. Houck 1990. Predators - Acari. in Rosen, D. (ed.) *Armored Scale Insects, Their Biology, Natural Enemies and Control*, Vol. B. Elsevier Science Publishers, Amsterdam. pp. 77-97
45. OConnor, B.M. and M.A. Houck 1990. Techniques - Acari. in Rosen, D. (ed.) *Armored Scale Insects, Their Biology, Natural Enemies and Control*, Vol. B. Elsevier Science Publishers, Amsterdam. pp. 243-245.
46. OConnor, B.M. 1990. The North American acarofauna: current status and future projections. in Kosztarab, M. and C.W. Schaefer (eds.) *Systematics of North American Insects and Arachnids: Status and Needs*. Virginia Agricultural Experiment Station Information Series 90-1. Virginia Polytechnic Institute and State University, Blacksburg, Virginia. pp. 21-29.

47. Houck, M.A. and B.M. OConnor 1990. Ontogeny and life history of *Hemisarcoptes cooremani* (Acari: Hemisarcoptidae). *Annals of the Entomological Society of America* 83: 869-886.
48. OConnor, B.M. 1990. Ecology and host associations of *Histiogaster arborsignis* (Acari: Acaridae) in the Great Lakes region, particularly in the Huron Mountains of Northern Michigan. *The Great Lakes Entomologist* 23: 205-209.
49. Houck, M.A. and B.M. OConnor 1991. Ecological and evolutionary significance of phoresy in the Astigmata (Acari). *Annual Review of Entomology* 36: 611-636.
50. Uchikawa, K., B.M. OConnor and J.S.H. Klompen 1991. New Myobiidae (Acarina: Trombidiformes) from Philippine mammals. *Zoological Science* 8: 157-168.
51. OConnor, B.M. and R. Husband. 1991. Identity of the host of *Tetrapolipus nicsarae* Husband (Acari: Podapolipidae). *International Journal of Acarology* 17: 289.
52. OConnor, B.M., R.K. Colwell & S. Naeem. 1991. Flower mites of Trinidad II. The genus *Proctolaelaps* (Acari: Ascidae). *Great Basin Naturalist*. 51: 348-376.
53. OConnor, B.M. 1991. A preliminary report on the arthropod-associated astigmatid mites (Acari: Acariformes) of the Huron Mountains of Northern Michigan. *Michigan Academician* 24: 307-320.
54. Norton, R.A., J.B. Kethley, D.E. Johnston & B.M. OConnor 1992. Phylogenetic perspectives on genetic systems and reproductive modes of mites. in Wrensch, D. and M. Ebbert (eds.), *Evolution and diversity of sex ratio in insects and mites*. Chapman & Hall, New York. pp. 8-99.
55. OConnor, B.M. 1992. Ontogeny and systematics of the genus *Cerophagus* Oudemans (Acari: Gaudiellidae), mites associated with bumblebees. *Great Lakes Entomologist* 25: 173-189.
56. OConnor, B. M. 1993. The mite community associated with *Xylocopa latipes* (Hymenoptera: Anthophoridae: Xylocopinae) with description of a new type of acarinarium. *International Journal of Acarology* 19: 159-166.
57. OConnor, B.M. 1993. Life history modifications in astigmatid mites. in Houck, M.A. (ed.) *Mites: Ecological and Evolutionary Analyses of Life-History Patterns*. Chapman & Hall, New York. pp. 136-159.

58. OConnor, B.M. 1993. Generic relationships in the Chaetodactylidae (Acari: Astigmata) with description of a new genus. *Acarologia* 34:345-362.
59. Uchikawa, K., M.-Y. Zhang, B.M. OConnor & J.S.H. Klompen 1994. Contributions to the taxonomy of the genus *Spinturnix* (Acari: Spinturnicidae), with the erection of a new genus, *Emballonuria*. *Folia Parasitologia* 41: 287-304.
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