

In Memory of Elizabeth L. Nicholls  
1946-2004



*I render infinite thanks to God for being so kind as to make  
me alone the first observer of marvels kept hidden in  
obscurity for all previous centuries.*

*Galileo Galilei*

# SCIENTIFIC CONTRIBUTIONS OF ELIZABETH L. NICHOLLS

- 2005 Plesiosaurian remains from non-marine to paralic sediments, p. 249-276 in P.J. Currie and E.B. Coppelhus (eds.) *Dinosaur Provincial Park*, Indiana University Press, Bloomington. (with T. Sato, D. A. Eberth, and M. Manabe)
- 2004 Giant ichthyosaurs of the Triassic -- A new species of *Shonisaurus* from the Pardonet Formation (Norian: Late Triassic ) of British Columbia. *Journal of Vertebrate Paleontology* 24: 838-849. (with M. Manabe)
- 2003 The first record of a pliosaurid (Plesiosauria, Pliosauridae) from the Lower Cretaceous of North America. *Cretaceous Research* 24: 129-133. (with J. W. Haggart and R. Bartlett)
- 2002 New material of *Qianichthyosaurus* Li, 1999 (Reptilia, Ichthyosauria) from the Late Triassic of China, and its implications to the distribution of Triassic ichthyosaurs. *Journal of Vertebrate Paleontology* 22: 759-765. (with W. Chen and M. Manabe)
- 2002 Marine reptiles from the Nanaimo Group (Upper Cretaceous) of Vancouver Island. *Canadian Journal of Earth Science* 39: 1591-1603. (with D. Meckert)
- 2001 A new genus of ichthyosaur from the Late Triassic Pardonet Formation of British Columbia: Bridging the Triassic - Jurassic gap. *Canadian Journal of Earth Sciences* 38:983-1002. (with M. Manabe)
- 1999 *Hesperornis* (Aves) from Ellesmere Island, and palynological correlation of known Canadian localities. *Canadian Journal of Earth Sciences* 36:1583-1588. (with L. V. Hills, K. L. M. Nuñez-Betelu, and D. J. McIntyre)
- 1999 The dorsal caudal fin of an Early Triassic ichthyosaur - the tale of a tail. *Paludicola* 2: 182-189. (with M. Manabe)
- 1999 A re-examination of *Thalattosaurus* and *Nectosaurus* and the relationships of the Thalattosauria. *PaleoBios* 19:1-29.
- 1999 New material of *Phalarodon* (Reptilia: Ichthyosauria) from the Triassic of British Columbia and its bearing on the interrelationships of Mixosaurs. *Palaeontographica Abt. A* 252:1-22. (with D. B. Brinkman and J. M. Callaway)
- 1998 A new archosaur from the Upper Triassic Pardonet Formation of British Columbia. *Canadian Journal of Earth Sciences* 35:1134-1142. (with D. B. Brinkman and X.-C. Wu)
- 1997 Ancient Marine Reptiles. Academic Press, San Diego. 501 pp. (with J. M. Callaway)
- 1997 Testudines. Pp. 219-221 in J.M. Callaway and E.L. Nicholls (eds.) *Ancient Marine Reptiles*. Academic Press, San Diego.
- 1995 A new ichthyosaur from the Triassic Sulphur Mountain Formation of British Columbia. p.521-535 in W. A. S. Sarjeant (ed.) *Vertebrate Fossils and the Evolution of Scientific Concepts*. Gordon and Breach, Amsterdam. (with D. B. Brinkman)
- 1994 Subaqueous flight in mosasaurs - a discussion. *Journal of Vertebrate Paleontology* 14:450-452. (with S. J. Godfrey)
- 1993 A new specimen of *Utatsusaurus* (Reptilia: Ichthyopterygia) from the Lower Triassic Sulphur Mountain Formation of British Columbia. *Canadian Journal of Earth Sciences* 30:486-490. (with D. B. Brinkman)
- 1993 The skull of *Neurankylus eximius* (Testudines: Baenidae) and a reinterpretation of the relationships of this taxon. *Journal of Vertebrate Paleontology* 13: 273-281. (with D. B. Brinkman)
- 1993 A new specimen of *Basilemys praeclara* Hay, and its bearing on the relationships of the Nanhsiungchelyidae (Reptilia: Testudines). *Journal of Paleontology* 67:1027-1031. (with D. B. Brinkman)
- 1993 New thalattosaurs (Reptilia: Diapsida) from the Triassic Sulphur Mountain Formation of Wapiti Lake, British Columbia. *Journal of Paleontology* 67:263-278. (with D. B. Brinkman)
- 1992 Note on the occurrence of the marine turtle *Desmatochelys* (Reptilia: Chelonioidea) from the Upper Cretaceous of Vancouver Island. *Canadian Journal of Earth Sciences* 29:377-380.

- 1992 A primitive ichthyosaur from the Lower Triassic of British Columbia, Canada. *Palaeontology* 35:465-474. (with D. B. Brinkman and Zhao Xijin)
- 1991 The anatomy and relationships of the turtle *Boremys pulchra* (Testudines: Baenidae). *Journal of Vertebrate Paleontology* 11:302-315. (with D. B. Brinkman)
- 1991 The plesiosaur pectoral girdle: The case for a sternum. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 182:165-185. (with A. P. Russell)
- 1990 Cretaceous marine turtles from the Western Interior Seaway of Canada. *Canadian Journal of Earth Sciences* 27:1288-1298. (with K. Tokaryk and L. V. Hills)
- 1990 Paleobiogeography of the Cretaceous Western Interior Seaway of North America: the vertebrate evidence. *Palaeogeography, Palaeoclimatology, Palaeoecology* 79:149-169. (with A. P. Russell)
- 1989 Marine vertebrates of the Pembina Member of the Pierre Shale (Campanian, Upper Cretaceous) of Manitoba and their significance to the biogeography of the Western Interior Seaway. Ph.D. dissertation, University of Calgary
- 1988 The first record of the mosasaur *Hainosaurus* (Reptilia: Lacertilia) from North America. *Canadian Journal of Earth Sciences* 25: 1564-1570.
- 1988 New material of *Toxochelys latiremis* Cope, and a revision of the genus *Toxochelys* (Testudines: Chelonioidea). *Journal of Vertebrate Paleontology* 8:181-187.
- 1987 Fossil vertebrates from the Early Campanian Pembina Member of the Pierre Shale, southern Manitoba. Field Guide, Field Trip #2, Manitoba Escarpment, GAC-MAC Annual Meetings, University of Saskatchewan, Saskatoon, May 25-27, 1987.
- 1987 Stratigraphic and taxonomic significance of *Tusoteuthis longa* Logan (Coleoidea: Teuthida) from the Pembina Member of the Pierre Shale (Campanian) of southern Manitoba. *Journal of Paleontology* 61:727-737. (with H. Isaak)
- 1985 Structure and function of the pectoral girdle and forelimb of *Struthiomimus altus* (Theropoda: Ornithomimidae). *Palaeontology* 28:643-677. (with A. P. Russell)
- 1981 A new specimen of *Struthiomimus altus* from Alberta, with comments on the classificatory characters of Upper Cretaceous ornithomimids. *Canadian Journal of Earth Sciences* 18:518-526. (with A. P. Russell)
- 1976 The oldest known North American occurrence of the Plesiosauria (Reptilia: Sauropterygia) from the Liassic (Lower Jurassic) Fernie Group, Alberta, Canada. *Canadian Journal of Earth Sciences* 13:185-188.
- 1972 Fossil turtles from the Campanian Stage of Western North America, M.Sc. thesis, University of Calgary.