CHELYDRA SERPENTINA (Common Snapping Turtle) and EMYDOIDEA BLANDINGII (Blanding's Turtle). PARASITES. Nematode and hirudinean parasites have been reported for Chelydra serpentina and Emydoidea blandingii in North America (see Baker 1987. Mem. Univ. Newfoundland Occas. Pap. Biol. 11:1–325; Watermolen 1996. J. Fresh. Ecol. 11:211–217), but few reports exist from Wisconsin, USA (Gulford 1959. Trans. Wisconsin Acad. Sci. Arts Letters 48:121-124; Amin 1981. Trans. Amer. Micros. Soc. 100:42-51; Watermolen 1996, op. cit.). Of these studies, Gulford (op. cit.) sampled for helminth parasites among several turtle species, including six C. serpentina and one E. blandingii from northeastern Wisconsin. Amin (op. cit.) reported one Placobdella parasitica and three P. ornata leeches from a single E. blandingii from southeastern Wisconsin, and Watermolen (op. cit.) reported Desserobdella picta, an amphibian leech, from a snapping turtle from Green Bay, Wisconsin. Here, I report a new locality record for nematodes of C. serpentina in Wisconsin and report prevalence and mean intensity data for nematode and leech parasites of C. serpentina and E. blandingii from eastern Wisconsin.

Turtles were collected by hand or dip-net at the Carroll College field station located in Genesee Depot, Waukesha Co., and at a pond in Wauwatosa, Milwaukee Co. Live-caught turtles were inspected for leeches, measured, and released. All leeches were placed in individual vials and relaxed by slowly dripping 95% ethanol into the vial, they were then fixed in 10% formalin. Leeches were identified using a stereo microscope and keys provided by Klemm (1991. Michigan Acad. 24:37-103) and Sawyer (1972. Illinois Biol. Monogr. 46:1-154). Prevalence is the percentage of infected turtles in a sample; mean intensity is the mean number of worms per infected turtle. In addition, three road-killed specimens (two C. serpentina, one E. blandingii) were collected in Waukesha and Racine Counties, Wisconsin, during 1995-1998. These turtles were inspected for helminth parasites, and were collected within 24 h of death. Upon necropsy, the digestive tract and internal organs were examined for endoparasites for both C. serpentina specimens examined. Only the digestive tract was examined from the single E. blandingii necropsied because all other organs were badly damaged. All nematodes were fixed in 10% formalin, dehydrated in 70% ethanol, cleared in glycerol, and identified as temporary mounts according to the descriptions of Hedrick (1935a. Trans. Amer. Microsc. Soc. 54:307-335, 1935b. J. Parasit. 21:397-409) and Baker (1986, Can. J. Zool. 64:228-237). Voucher specimens were deposited in the Harold W. Manter Laboratory, University of Nebraska State Museum, Lincoln (accession no. Placobdella parasitica HWML 15008, Placobdella ornata HWML 15009, Falcaustra wardi HWML 15010, Spiroxys contortus HWML 15011).

Among the live-caught turtles, five (71%) of seven *C. serpentina* examined were infected with *Placobdella*, with a mean intensity of 21.2 ± 44. Most turtles contained 1–2 *P. parasitica* and/or *P. ornata* with the exception of one immature turtle that contained one adult and 99 young *P. parasitica*. A total of four *E. blandingii* were collected on seven different occasions. A single *P. ornata* or *P. parasitica* was recovered on three out of seven different dates with a intensity of one. A single *E. blandingii* male (carapace length 200 mm) contained one *P. ornata* on 10 June 1998 and one *P. parasitica* when recaptured on 14 June 1998. In total, 103 *P. parasitica* and three *P. ornata* were recovered from *C. serpentina*, and one *P. parasitica* and two *P. ornata* were recovered from *E. blandingii*. All leeches were attached to the ventral surface of the carapace and/or the limbs of the turtles.

Among the road-killed turtles, one immature *C. serpentina* (100 mm carapace length (CL), 172.4 g) was negative for helminths while an adult male (280 mm CL, 3991.6 g) contained four male and five female *Falcaustra wardi* in the large intestine. Gulford (*op. cit.*) previously reported *Spironura affine* (=*Falcaustra affinis*, Baker 1986 *op. cit.*) in Wisconsin snapping turtles. *Falcaustra wardi* is a common parasite of *C. serpentina* (see Baker 1986 *op. cit.*). However, Wisconsin is a new locality record for this nematode. The road killed female *E. blandingii* (210 mm CL, not weighed because of damage) contained four *Spiroxys contortus* nematodes in the stomach, which previously have been reported by Gulford (*op. cit.*) from the northeastern part of the state.

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