

Helminths from the Red Bat, *Lasiurus borealis*, in Iowa

ABSTRACT: Two specimens of the red bat, *Lasiurus borealis*, taken in Iowa, were examined for endoparasites. Eleven trematodes, *Prosthodendrium transversum* Byrd and Macy, 1942, and two cestodes, *Cycloskrjabinia taborensis* (Loewen, 1934), were recovered from the small intestine of a lactating female, whereas no helminths were found in an immature bat.

The red bat, *Lasiurus borealis* (Müller, 1776), is a common resident of Iowa from May through September and transitory during migrations in spring and autumn. Two red bats from Iowa, a lactating female captured on 21 July 1967, 1 mi S and 1 mi W Boone, Boone Co., and an immature female captured on 23 July 1967, 8 mi N Indianola, Warren Co., were examined for endoparasites. Two adult cestodes and 11 trematodes were found in the adult, but no helminths were found in the immature bat.

Prosthodendrium transversum Byrd and Macy, 1942, is known from the red bat from Tennessee (Byrd and Macy, 1942) and from *Myotis sodalis* in Ohio (Williams, 1962). This is the second record of this species from *L. borealis* and the first from Iowa.

Cycloskrjabinia taborensis has been reported previously from *Lasiurus borealis* in Kansas (Loewen, 1934), Massachusetts (Stunkard, 1961), and Iowa (Blankespoor, 1967), *Lasionycteris noctivagans* in Massachusetts (Stunkard, 1961), and *Lasiurus cinereus* in Maryland (Tromba, 1954).

Representative specimens of *P. transversum* (USNM 71159) and *C. taborensis* (USNM 71158) are deposited in the United States National Museum Helminthological Collection, Beltsville, Maryland. I wish to thank John E. Ubelaker, Department of Biology, Emory University, Atlanta, Georgia, for confirming the identity of the parasites.

REFERENCES

- BLANKESPOOR, H. D. 1967. Helminths from six species of Iowa bats. M. S. thesis, Iowa State University, Ames. 56 p.
- BYRD, E. E. AND R. W. MACY. 1942. Mammalian trematodes. III. Certain species from bats. *J. Tennessee Acad. Sci.*, **17**:149-156.
- LOEWEN, S. L. 1934. A new cestode from a bat. *Trans. Kansas Acad. Sci.*, **37**:257-261.
- STUNKARD, H. W. 1961. *Cycloskrjabinia taborensis* (Loewen, 1934), a cestode from the red bat, *Lasiurus borealis* (Müller, 1776), and a review of the family Anoplocephalidae. *J. Parasitol.*, **47**:847-856.
- TROMBA, F. G. 1954. Some parasites of the hoary bat, *Lasiurus cinereus* (Beauvois). *J. Mammal.*, **35**:253-254.
- WILLIAMS, R. R. 1962. Trematodes from the cave bat, *Myotis sodalis*. *Ohio J. Sci.*, **62**:273.

THOMAS H. KUNZ, Museum of Natural History, The University of Kansas, Lawrence 66044. Submitted 30 November 1967; accepted 29 April 1968.

Reprinted from

Vol. 80, No. 2, October, 1968, pp. 542-543

University of Notre Dame Press

Notre Dame, Indiana