
A LIST OF PARASITIC COPEPODS AND THEIR
FISH HOSTS FROM LAKE ERIE.

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A collection was made of the parasitic copepods of Lake Erie and some of its tributary waters by the writer while assisting on the Cooperative Biological Survey of Lake Erie during the years of 1927, 1928, and 1929. The collecting has been continued throughout the present summer of 1931 at the Franz Theodore Stone Laboratory. In all, some fifteen hundred fish of thirty-eight species have been procured for examination and thirteen species of parasitic copepods found, eight of which are new to the waters of Lake Erie. The following list of thirteen species is a preliminary report on the above collection. The records are for Lake Erie proper unless otherwise noted.

Family ARGULIDÆ.

Argulus appendiculosus Wilson. Host—Found upon a bullhead (probably *Ameiurus nebulosus*). Specimen taken by Professor Stephen R. Williams. New to Lake Erie.

Argulus stizostethii Kellicott. Host—The six specimens captured were all taken while swimming in the plankton. This species was described by Kellicott from specimens on the blue pike “*Stizostethium salmoneum*” (probably *Stizostedion glaucum* Hubbs) taken from the Niagara River at Buffalo, New York.

Family ERGASILIDÆ.

Ergasilus centrarchidarum Wright. Hosts—The rock bass (*Ambloplites rupestris*), and the large-mouth bass (*Aplites salmoides*). New to Lake Erie.

Ergasilus caeruleus Wilson. Hosts—The sauger or sand pike (*Stizostedion canadense canadense*), the blue pike (*Stizostedion glaucum*), the gray pike (*Stizostedion vitreum*), the yellow perch (*Perca flavescens*), the blue gill (*Helioperca incisor*), and the trout perch (*Percopsis omiscomaycus*). New to Lake Erie.

Ergasilus versicolor Wilson. Host—The channel catfish (*Ictalurus punctatus*). New to Lake Erie.

Ergasilus cotti Kellicott. Host—The rainbow darter (*Poecilichthys coeruleus*) from Lake Erie drainage. This is the first time *Ergasilus cotti* has been reported since it was described in 1892 by David S. Kellicott from specimens found on the sculpin, “*Cottus ictalops*” (*Cottus bairdii bairdii* Girard) captured near Westerville, Ohio.

Family LERNAEOPODIDÆ.

Achtheres ambloplitis Kellicott. Host—The rock bass (*Ambloplites rupestris*).

Achtheres micropteri Wright. Host—The large-mouth bass (*Aplites salmoides*). New to Lake Erie.

Achtheres pimelodi Kröyer. Hosts—The channel catfish (*Ictalurus punctatus*), and the yellow bullhead (*Ameiurus natalis*) from Sandusky Bay.

Achtheres coregoni (S. I. Smith). Host—The whitefish (*Coregonus clupeaformis*).

Salmincola inermis (Wilson). Host—The lake herring or cisco (*Leucichthys artedi*). New to Lake Erie.

Family LERNAEIDÆ.

Lernaea cruciata (Le Sueur). Host—The rock bass (*Ambloplites rupestris*).

Lernaea tortua (Kellicott). Host—Straw-colored minnow (*Notropis deliciosus stramineus*). New to Lake Erie.