

BRIEF NOTE

NEW HOST RECORDS FOR *HAEMATOLOECHUS COMPLEXUS* (SEELY) KRULL, 1933 FROM *HYLA CRUCIFER* AND *RANA SYLVATICA*

Haematoloechus complexus (Trematoda: Haematoloechidae) was described by Seely (1906) from the lungs of *Rana pipiens* and was redescribed by Krull (1933). Using *Rana clamitans* as the experimental host, Krull determined the life history of the parasite. The snail *Pseudosuccinea columella* and the nymphs of the dragonflies *Sympetrum vicinum*, *Pachydiplax longipennis* and *Libellula* sp. were the intermediate hosts. In Ohio, this fluke has been reported from *Rana pipiens* by Odlaug (1954), and from *Rana clamitans* by Koeppel (1941). Elsewhere it has been reported from *Rana catesbeiana* and *Rana montezumae* Yamaguti, 1958).

Hyla crucifer: Between March, 1969 and August, 1975, over five hundred spring peepers from more than 40 Ohio counties were examined for helminths. A single host, collected in Ross County during March of 1973, was infected with 4 mature *Haematoloechus complexus*. Nineteen other *H. crucifer* collected at the same site were uninfected with this fluke. This report is a new host record and represents the first collection of lung flukes from hylid frogs in North America. *Haematoloechus australis* (Johnston, 1912) from *Hyla aurea* in Australia appears to

be the only other member of the family Haematoloechidae known to infect a hylid host.

Rana sylvatica: In May, 1972 a single mature specimen of *Haematoloechus complexus* was taken from the lung of a wood frog collected in Geauga County, Ohio. Other wood frogs collected at the same site and in the vicinity were uninfected with lung flukes. *Rana sylvatica* has previously been reported to harbor *Haematoloechus parviplexus* in the vicinity of Ann Arbor, Michigan (Najarian, 1955). This report represents a new host record and is the second species of lung fluke to be reported from the wood frog.

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