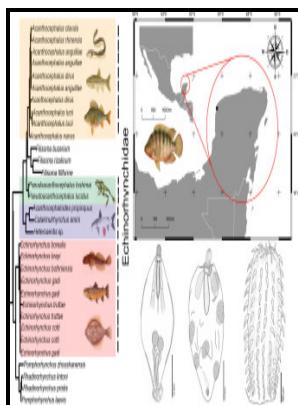


North American freshwater turtle acanthocephalans (Acanthocephala: Neoechinorhynchidae) - taxonomy and evolution.

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Description: -

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taxonomy and evolution.

Notes: Thesis (M.Sc.)--University of Toronto, 1993.

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First steps to understand the systematics of Echinorhynchidae Cobbold, 1876 (Acanthocephala), inferred through nuclear gene sequences

Saturation of nucleotide substitutions was estimated by plotting observed numbers of transitions versus observed transversions. The three sampled classes are monophyletic, and the Archiacanthocephala is the sister taxon of a Palaeacanthocephala + Eoacanthocephala clade.

Integrated Principles of Zoology , Fourteenth Edition

Post-absorptive phosphorylation of glucose and the role of trehalose in the accumulation of endogenous glucose reserves. Also, within Acanthocephala there have been multiple shifts between aquatic and terrestrial intermediate and definitive hosts.

Description and morphological variability of *Neoechinorhynchus beringianus* n. sp. (Acanthocephala: Neoechinorhynchidae) from north

These nodes were all supported with high bootstrap pseudoreplicate recovery and decay scores. In Argentina, Dans et al. Forty-eight hosts were parasitized by at least 1 helminth species; Rhopalias coronatus was the most prevalent and abundant species in the hosts sampled.

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In contrast, the types of vertebrate definitive hosts utilized by acanthocephalans are not diagnostic for the monophyletic classes.

Acanthocephala From Seven Species of Freshwater Fish (Cyprinidae and Cyprinodontidae) From Turkey with the Description of a New Species of *Paralongicollum* (Pomphorhynchidae)

Relationships among crustaceans are unresolved, but the hypothesized sister taxon of Crustacea is the Uniramia ; , which serve as intermediate hosts of the Archiacanthocephala. The way of looking at parasitism and finding its place among ecological interactions is based on trophic relationships Bush et al. Because of the more intimate relationship between acanthocephalans and their arthropod intermediate hosts, early life stages may be more constrained to the physiological environment of arthropod hosts than later life stages are to the environment of vertebrate hosts.

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