

Notes on Costa Rican Opalinids.

I. *Opalina moreletei* Metcalf.

by

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(Received for publication December 15, 1959)

The purpose of this paper is to report the presence of a species of *Opalina* in Costa Rica, previously described from *Agalychnis moreletei* of Guatemala.

Three other species of *Opalina* are known in Costa Rica, all described from autochthonous frogs. *O. belenae* Metcalf, from *Agalychnis belenae* Cope captured at San Carlos, *O. copei* Metcalf, from *Rana copei* Boulanger, from Pico Blanco and *O. obtrigonoidea austriicola* Metcalf, found in *Rana pipiens* collected at the same place.

Opalina moreletei is now recorded from a specimen of *Agalychnis moreletei* (Duméril) collected at Desamparados. No differences were found with Metcalf's short description, (*U. S. Nat. Mus. Bull.* 120, 1923) except in the smaller dimensions of our opalinae. The largest individual we found measured 242.0 μ in length and 151.5 μ in width. The smaller dimensions in our specimens may be due to the opalinae being in a period of rapid successive divisions, becoming progressively smaller, previous to encysting. Metcalf does not mention cysts of this species; he probably has not observed this stage in his material. We have found uninucleated, rounded cysts, measuring from 11 μ to 25 μ in diameter.

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