Investigation of *Acanthobothrium* (Cestoda: Tetraphyllidea) diversity from two species of guitarfish (*Rhinobatos*) off coastal Senegal C. A. FYLER

Spiral intestines were collected from a total of thirty-two species of elasmobranchs during three, two-week collecting trips to Senegal in January 2002, 2003 and 2004. Study sites included six fishing villages along the Senegalese coast from St. Louis in the north to Djifer in the south. Subsequent spiral intestine examinations revealed more then 70 species of cestodes parasitizing the elasmobranchs of this region. These collections provided an opportunity to examine the Acanthobothrium faunas of two Rhinobatos species, Rhinobatos c.f. cemiculus and Rhinobatos sp. Presently little is known of the tetraphyllidean tapeworm fauna of either species, and these results include the first record of Acanthobothrium from Rhinobatos species in the Eastern Atlantic Ocean. Investigation of the Acanthobothrium species in four individuals of each Rhinobatos species has exposed an interesting dichotomy of cestode diversity. Rhinobatos c.f. cemiculus and Rhinobatos sp., although closely related and both commonly found in this locality, hosted a series of nonoverlapping species of Acanthobothrium. This was not entirely unexpected given existing data on the host specificity of Acanthobothrium species in general. However, it was surprising to see that at least 6 different species of Acanthobothrium parasitized Rhinobatos c.f. cemiculus with at least 3 congeners per individual host, while *Rhinobatos* sp. had a conspicuously smaller parasite diversity with only one species of Acanthobothrium occurring in each individual host. This phenomenon of the existence of multiple congeners of cestodes in a single host species raises interesting questions. For example, it remains unclear whether such congeners belong to a single clade, suggesting one host invasion with subsequent diversification within the host, or if synhospitalic congeners represent separate lineages, suggesting multiple, independent, and perhaps more recent host invasions.