

**New Species of *Oriopsis* and a New Record for
Augeneriella cf. *dubia* Hartmann-Schröder, 1965 from
Eastern Australia (Polychaeta: Sabellidae)**

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ABSTRACT. Some species of *Oriopsis* found around the rocky shores of Sydney, Australia are described and a key to Australian species is provided. Four new species are described: *Oriopsis bicoloris* n.sp., *O. brevicollaris* n.sp., *O. dentata* n.sp. and *O. mobilis* n.sp. *Augeneriella* cf. *dubia* Hartmann-Schröder, previously known from Hawaii, is recorded from the Great Barrier Reef. The identification of *A. cf. dubia* is tentative due to poor type material. The definitions for both genera are discussed and emended.

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The few records of the sabellid sub-family Fabricinae made in Australia prior to 1979 have been listed by Day & Hutchings (1979). *Oriopsis michaelsoni* Banse, 1957 was described from Western Australia and additional new species have been described from Western Australia (*O. bussetonensis* Hartmann-Schröder, 1982) and South Australia (*O. cincta* Hartmann-Schröder, 1986 and *O. denticollis* Hartmann-Schröder, 1986). The two records of *Oriopsis* species found in eastern Australian waters, *O. cf. michaelsoni* Banse, 1957 and *O. parvula* (Ehlers, 1913), are doubtful (see Banse, 1957). No records of fabriciini sabellids have been made from the Great Barrier

Reef to date. Examination of rocky intertidal areas on the eastern Australian coast (New South Wales) has revealed four new species of *Oriopsis*. *Augeneriella* cf. *dubia* Hartmann-Schröder, 1965, previously known only from the type locality of Hawaii, is recorded and described from One Tree Reef, Great Barrier Reef.

Little use has been made of scanning electron microscopy (S.E.M.) in the taxonomy of small sabellids. Ben Eliahu (1975) and Wu (1984) have examined *Oriopsis* species with S.E.M. and in the following descriptions it is clear that this form of examination is invaluable with animals of such small size.