RETETEREBELLA QUEENSLANDIA,
A NEW GENUS AND SPECIES OF
POLYCHAETOUS ANNElid FROM
QUEENSLAND, AUSTRALIA

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Manuscript received 14.8.62

(Figs 1-3)

The collection on which this description is based was received from Miss Isobel Bennett,
of the University of Sydney, Australia, whom I thank for the privilege of examining these materials.
Mr. Anker Petersen prepared the plate of figures. The holotype specimen is deposited in the
Australian Museum, Sydney, New South Wales (Australian Museum Registered Number,
W. 3755); a cotype is in the Allan Hancock Foundation, University of Southern California, Los
Angeles, California.

Reteterebella, new genus

Type R. queenslandia, new species

Reteterebella belongs to the subfamily AMPHITRITINAE Hessle, 1917. Thoracic
uncini are in simple rows in five, and in double alternating rows in 11, segments. All uncini are
avicular, have a short base and a main fang surmounted by two (or few) smaller teeth. Thoracic
setae are first present in the first postbranchial (= fourth) segment, together with uncini in single
rows. The setae are entirely smooth along the cutting edge and narrowly limbate along the free
length. The thorax consists of a smooth peristomium, three branchial segments and 16 thoracic
setigerous segments. Branchiae number three pairs; each one has a basal stalk and terminates
in dendritic branches. Lateral lappets are present on the first few segments, but inconspicuous.
Nephridial papillae number three pairs, present on the second and third branchial, and first
setigerous, segments; gonadial papillae, resembling the nephridial, occur on three successive
segments, or setigerous 2 to 4. Ventral scutes are present from the third branchial, and through
most thoracic, segments.

Reteterebella is allied to Eupolymnia Verrill (as Polymnia in Hessle, 1917, p. 174) from
which it differs in: (1) thoracic setigerous segments number 16 instead of 17; (2) thoracic uncini
are first present from the first, instead of second, setigerous segment, and (3) the first appearance
of alternating rows of uncini is in the sixth, instead of eleventh, segment.

The generic name refers to the method of feeding, or casting out its tentacles as a seine,
to capture micro-organisms.

Reteterebella queenslandia, new species

Plate 1, figs. 1-3

Collection.—Two specimens come from Heron Island flat, Queensland, Australia, intertidal
zone, under dead coral boulders.

Length of a male specimen is 83 mm. without the tentacles, and width is 15 mm. in the
middle thoracic, or widest part. A mature female is somewhat larger and has similar proportions.
Preserved specimens are drab pale-yellow and have no colour except for the minute black
eyespots; they encircle the peristomium as a narrow band behind the insertion of the numerous
tentacles. In life the branchiae are brownish red and the body is dull white (Miss Bennett, in litt.).

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