

REVUE SUISSE DE ZOOLOGIE
SWISS JOURNAL OF ZOOLOGY

tome 117, fascicule 3, septembre 2010

	Pages
SCHUCHERT, Peter. The European athecate hydroids and their medusae (Hydrozoa, Cnidaria): Capitata Part 2	337-555

**The European athecate hydroids and their medusae
(Hydrozoa, Cnidaria): Capitata Part 2**

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The European athecate hydroids and their medusae (Hydrozoa, Cnidaria): Capitata Part 2. - This study concludes the series of reviews on European athecate hydroids and anthomedusae, providing updated classifications, descriptions, and illustrations of all species. The present work mainly treats the remaining capitate families, but taxonomic comments and updates on some filiferan taxa are also given.

The genus name *Russellia* Kramp, 1957 is preoccupied and the new name *Heterotentacula* **n. gen.** and the family level name Heterotentaculidae **n. fam.** are proposed to replace them. *Janiopsis* Bouillon, 1980 is also a preoccupied genus name. No replacement name is necessary as *Janiopsis* is regarded as congeneric with *Merga* Hartlaub, 1914. The frequently used genus name *Heterotiara* Maas, 1905 is invalid and must be replaced by *Protiaropsis* Stechow, 1919.

Tubularia ralphi Bale, 1884, *Tubularia gracilis* von Lendenfeld, 1885, *Tubularia australis* Stechow, 1924, and *Tubularia warreni* Ewer, 1953 are all recognized as new synonyms of *Ectopleura crocea* (L. Agassiz, 1862). Mediterranean records of *Ectopleura minerva* Mayer, 1900 are here attributed to *E. wrighti* and *E. minerva* does not likely occur in European waters. A reexamination of the type material of *Corymorpha appelloefi* Bonnevie, 1901 made it clear that it must be regarded as synonym of *Corymorpha nutans* M. Sars, 1835. *Meiorhopalon arenicolum* Salvin-Plawen, 1987 is recognized as a new synonym of *Euphysa aurata* Forbes, 1848. Examination of the type material of *Coryne filiformis* (Rees, 1936) showed that it is inseparable from *Coryne pintneri* Schneider, 1898. *C. filiformis* must thus be regarded as a new synonym of *C. pintneri*. *Eugotoea petalina* Margulis, 1989 is likewise a new synonym of *Rhabdoon singulare* Keferstein & Ehlers, 1861.

Keywords: Anthoathecata - Capitata - Europe - taxonomy - species - systematics - revision - review.