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Review of the marine isopod crustacean genus *Hansenium* Serov and Wilson, 1995 (Asellota: Stenetriidae) from tropical Australia and Papua New Guinea, with description of a new genus

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Table of contents

| | |
|--|-----|
| Abstract | 446 |
| Introduction | 447 |
| Methods | 447 |
| Taxonomy | 449 |
| Family Stenetriidae Hansen, 1905 | 449 |
| Asellidae Sars, 1897 (part) | 449 |
| Stenetriidae Hansen, 1905 | 449 |
| Genus <i>Hansenium</i> Serov and Wilson, 1995 | 449 |
| Species inquirenda | 452 |
| <i>Hansenium hanseni</i> (Nobili, 1906) | 452 |
| <i>Machatrium</i> gen. nov. | 458 |
| <i>Machatrium falcensis</i> sp. nov. | 458 |
| <i>Machatrium thungku</i> sp. nov. | 464 |
| <i>Machatrium wongat</i> sp. nov. | 470 |
| <i>Machatrium tropex</i> (Bolstad and Kensley, 1999), comb. nov. | 475 |
| Acknowledgements | 478 |
| References | 478 |

Abstract

The genus *Hansenium* is revised and a new diagnosis presented. A neotype is designated for the type species *Hansenium hanseni* (Müller, 1991), and the genus is restricted to the type species and *Hansenium remocarpus* Kensley and Schotte, 2002. *Machatrium* **gen. nov.** and the following species are described: *Machatrium falcensis* **sp. nov.** (type species), *Machatrium thungku* **sp. nov.** from Lizard Island, Great Barrier Reef; *Machatrium wongat* **sp. nov.** from Madang, Papua New Guinea, *Machatrium tropex* (Bolstad and Kensley, 1999), **comb. nov.** also from Madang, Papua New Guinea; a further five species are transferred from *Hansenium* to *Machatrium* **gen. nov.** The remaining species of *Hansenium* are retained as *incertae sedis* in their existing combination (11 species), reallocated to other genera (1 species) or regarded as *species inquirenda* (3 species). The principal differentiating characters of *Hansenium*, *Machatrium* **gen. nov.** and *Stenetrium* Haswell, 1881, are the pseudorostrum being short and trapezoid or long and anteriorly narrowed, morphology of the male pereopod 1, notably the shape of the propodus inferior margin, presence or absence of a process on the inferodistal margin of the merus and carpus; and the apex of the appendix masculina being acute or blunt, with or without a concavity and with or without terminal setae.

Key words: Asellota, Stenetriidae, *Hansenium*, *Machatrium*, new species, Australia, Great Barrier Reef, Papua New Guinea, coral reefs