

Two New Records of Anisogammarid Amphipods (Crustacea: Amphipoda: Gammaridea) from Japan

Ko Tomikawa

Department of Science Education, Graduate School of Education, Hiroshima University,
Kagamiyama, Higashi-Hiroshima, 739-8524 Japan
E-mail: tomikawa@hiroshima-u.ac.jp

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Barrowgammarus macginitiei (Shoemaker, 1955) and *Spasskogammarus spasskii* (Bulycheva, 1952) are reported based on specimens from Hokkaido, northern Japan. These are the first records of these two genera in Japan. The single specimen referred to *B. macginitiei* differs from the original description in having a relatively short antenna 1, distally tapering coxa 1, long setae on the merus and carpus of pereopods 3 and 4, long, slender setae on the ventral margins of epimeral plates 2 and 3, marginal setae on the rami of uropods 1 and 2, a small protuberance on urosomite 3, and a single accessory lobe on the coxal gill of pereopod 6. The Japanese specimens of *S. spasskii* generally agree with the original description except for the presence of a few slender setae on the inner margin of the outer ramus of uropod 3.

Key Words: Crustacea, Amphipoda, Anisogammaridae, *Barrowgammarus macginitiei*, *Spasskogammarus spasskii*, taxonomy, new record, Japan.

Introduction

The family Anisogammaridae accommodates 11 genera that are distributed along the North Pacific rim, including the Bering Sea and adjacent waters (e.g., Tzvetkova 1975; Bousfield 1979; Barnard and Barnard 1983). The estuarine and coastal marine anisogammaridean fauna is diverse and forms an important part of the inshore food-energy web (Bousfield 1979).

Barrowgammarus and *Spasskogammarus* are small genera in the Anisogammaridae, comprising one and two species respectively (Bousfield 1979). All are marine benthic dwellers known mostly from shallow waters.

I have been studying the anisogammarid fauna of Japanese waters since 2001 (Tomikawa and Morino 2003; Tomikawa *et al.* 2003, 2006). In the course of these studies, the little-known anisogammarid species *Barrowgammarus macginitiei* (Shoemaker, 1955), originally described from a beach at Point Barrow, Alaska, and *Spasskogammarus spasskii* (Bulycheva, 1952), originally described from De-Kastri Bay, Sea of Japan, were collected in the coastal waters of Hokkaido, northern Japan. Since the original descriptions of *B. macginitiei* and *S. spasskii* were incomplete, I here present detailed descriptions of the two taxa on the basis of the new specimens from Hokkaido.