

melodes dilatatus daibosatsuanus NOMURA, *A. d. shiranemontanus* NOMURA and *A. d. fujimontanus* NOMURA. However, it became apparent after an examination of the type of *Batrisodes dilatatus* that they should be separated at species level. Thus, the subspecies shown above are recombined as *A. daibosatsuanus daibosatsuanus* NOMURA, *A. d. shiranemontanus* NOMURA and *A. d. fujimontanus* NOMURA.

要 約

野村周平：日本産アリヅカムシに見出された1シノニムと数個の新結合（コウチュウ目，ハネカクシ科，アリヅカムシ亜科）。—— 2007年2～3月，パリの国立自然史博物館に所蔵される日本産アリヅカムシのタイプ標本をチェックした結果，以下の1シノニムおよび数個の新結合を見出した。RAFFRAY (1909) により京都から記載された *Batrisodes vulgaris* は，*Batrisodellus nipponensis* (RAFFRAY, 1909) のシノニムであった。また，NOMURA (1991) が *Batrisocenus dilatatus* RAFFRAY, 1909 と同種別亜種とみなして記載した3亜種は，別種とすべきであることがわかった。したがってこれら近似の4タクサは以下のように再結合すべきである：*Arthromelodes dilatatus* (RAFFRAY); *A. daibosatsuanus daibosatsuanus* NOMURA; *A. d. shiranemontanus* NOMURA; *A. d. fujimontanus* NOMURA.

Elytra, Tokyo, 36(1): 151–152, May 30, 2008

Aleochara fucicola and *A. trisulcata* (Coleoptera, Staphylinidae) as Parasitoids of a Kelp Fly, *Fucellia apicalis* (Diptera, Anthomyiidae)

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Aleochara GRAVENHORST is a large genus of the Staphylinidae comprising ca. 400 described and many undescribed species throughout the world (KLIMASZEWSKI, 1984; MAUS *et al.*, 1998). Although most *Aleochara* species have been considered as solitary parasitoids of dipteran pupae, host records have been reported for only a part of *Aleochara* species (see MAUS *et al.*, 1998 for world host records). In particular, hosts of *Aleochara* are hardly known from Japan. Several *Aleochara* species inhabit littoral areas of Japan (SHIBATA, 1985). In spite of their common occurrence (KAWAKAMI *et al.*, 2004), their life histories have not been known. I found two littoral *Aleochara* species parasitizing puparia of a kelp fly along a sandy beach of Central Japan.

The host records are reported in this short paper.

I collected 32 puparia below seaweed of a brown alga, *Sargassum muticum* (YENDO) FENSHOLT, along the sandy beach in Maiko Fishing Port, Kobe City, Central Japan on May 27, 2004. The puparia were similar in their morphology and all were considered one and the same fly species. The puparia were reared on wet sand in a 200-mL plastic cup under laboratory conditions. Fourteen adults of *Fucellia apicalis* KERTÉSZ (Diptera, Anthomyiidae) eclosed on June 1. Eleven adults of *Aleochara fucicola* SHARP and two of *A. trisulcata* WEISE exited from the puparia between June 9 and June 16. One *Aleochara* individual exited from a puparium. Then, I dissected the remaining five puparia under a stereomicroscope and found dead *F. apicalis* flies in all the puparia. Therefore, the rates of parasitism by *A. fucicola* and *A. trisulcata* were 34.4% and 6.3%, respectively.

Fucellia apicalis often occurs abundantly from seaweed and fish carcasses deposited on the seashore and is known as a nuisance pest (KANO & SHINONAGA, 2003). Thus, these two *Aleochara* species may play an important role for the regulation of fly numbers. Host range of *Aleochara* species is generally wide, and one *Aleochara* species usually attacks puparia of several fly species with a similar size (MAUS *et al.*, 1998). Therefore, these two *Aleochara* species are likely to attack other fly species occurring on the seashore. I thank two anonymous reviewers for useful comments on this manuscript.

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