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A New *Rafflesia* Associate: *Micronemadus pusillimus* (KRAATZ)
(Coleoptera, Leiodidae), and its Additional Records from the
Crocker Range, Sabah, Malaysia

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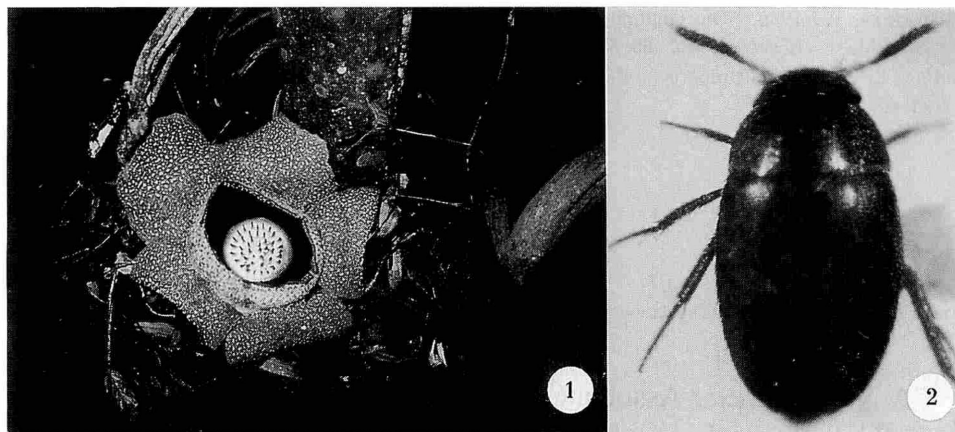
The International Crocker Range Scientific Expedition 1999, jointly organized by the Sabah Parks (SP), Universiti Malaysia Sarawak (UNIMAS) and Universiti Malaysia Sabah (UMS), was held from the 14th to the 23rd of October with the aim of inventorying the biodiversity components and their ecological relationships found within the park area. The second author (MIZOTA) mainly surveyed the beetle fauna of the Crocker Range Park (CRP) during the expedition period and collected many beetles and other insects. Although CRP is noted for its rich fauna of beetles, a greater part of the fauna lacks documentation and still awaits discovery. In this paper are given additional records of *Micronemadus pusillimus* as a result of the survey. The present material suggests that it seems to be a generalized scavenger and one of the commonest cholevines in CRP, and is an occasional associate of *Rafflesia* flowers, probably acting at twilight (cf. DAVIS & LANTOH, 1996; MIZOTA, HIRONAGA & MOHAMED, 2000; MIZOTA, in preparation).

Micronemadus pusillimus (KRAATZ, 1877)

(Fig. 2)

Catops pusillimus KRAATZ, 1877, Dt. ent. Z., **21**, p. 108; type area: Japan.

Other references are omitted.



Figs. 1–2. — 1, A fresh flower of *Rafflesia keithii* MEIJER, photographed by K. MIZOTA at a point of Kimanis-Keningau Road near the Crocker Range Park Headquarters, Sabah (22–X–1999); 2, habitus of *Micronemadus pusillimus* (KRAATZ, 1877), ♀, obtained from the flower.

Specimens examined. 6♂♂, 1♀, Mahua B. C., Crocker Range Park, Sabah, Borneo Is., Malaysia, 16–19–X–1999, K. MIZOTA leg. (carrion traps); 1♀, Kimanis-Keningau Road, Crocker Range Park HQ, 22–X–1999 (17:00–18:00), K. MIZOTA leg. (from a fresh flower of *Rafflesia keithii*).

Notes. This species is widespread in East Asia, and has already been recorded from the Crocker Range, Borneo (NISHIKAWA, 1989). The specimen collected from *Rafflesia keithii* MEIJER (Fig. 1) was found visiting the flower in the evening. The genus *Rafflesia*, a well-known stem-parasitic plant, has been represented by about a dozen species occurring in Southeast Asia, and its flower is famous not only for its curious features but also for a smell of carrion it emits (cf. CORNER, 1978: flies attracted to a female flower are shown in photographs of plate 14).

In closing, the second author wishes to express his gratitude to SP, UNIMAS and UMS for giving him the opportunity to participate in the Scientific Expedition, and to all expedition members for their help. He is also grateful to Dr. M. J. TODA (Hokkaido Univ.) for his support and encouragement and to Mr. G. ITO (UMS) for helping in collection work.

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