

## Short communication

**Backswimmers (Insecta: Hemiptera: Notonectidae: *Anisops* spp.) from Lake Billy Mitchell, Bougainville Island**

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**Key words:** *Anisops*, new records, Papua New Guinea.

This short-note reports on the identifications of three species of *Anisops* from the crater lake of Billy Mitchell (6.092° S, 155.225° E), a small, active pyroclastic shield volcano with a ca. 2 km wide, water-filled caldera. The last eruption of Billy Mitchell volcano happened around the year 1580 (GLOBAL VOLCANISM PROGRAM). A thorough limnological study has been carried out in April and May 2015 and published by SCHABETSBERGER et al. (2017). The notonectid material of this expedition was collected by Ursula Sichrowsky et al. in April 2015 and given to the Natural History Museum Vienna. It consists of 22 imagines and seven nymphs (nymphs not identified). For identification the keys of BROOKS (1951) and ANDERSEN & WEIR (2004) were used and, in addition, specimens were compared with voucher specimens in the museum collection. All three species have wide distributions in the Western Pacific realm (e.g., CHEN et al. 2005).

*Anisops nasutus* FIEBER, 1851

Specimens examined: 5 males, 11 females.

*Anisops occipitalis* BREDDIN, 1905

Specimen examined: 1 male.

*Anisops philippinensis* BROOKS, 1951

Specimens examined: 3 males, 2 females.

**Notes:** This identification is preliminary, because *A. philippinensis* shows some variation over its wide distribution area and the males from Lake Billy Mitchell differ slightly from a paratype specimen by the structure of the protibial comb.

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