



Records of Psocidae: Psocinae (Insecta: Psocoptera) from Sumatra, Indonesia

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Abstract

Twelve species of Psocidae: Psocinae are recorded from Sumatra. Two, *Psocidus strictus* Thornton and *Atrichadenotecnum umbratum* (New & Thornton), are the first records from Indonesia, whilst all others were known previously from eastern Indonesia. Distributions and affinities are discussed.

Key words: Psocidae, *Clematostigma*, *Psocidus*, *Ptycta*, *Atrichadenotecnum*, *Javapsocus*, distribution

Introduction

In this paper we record the species of Psocidae: Psocinae (other than of *Trichadenotecnum* Enderlein, see below) collected in recent extensive surveys of Psocoptera in Sumatra, the large western island of Indonesia, a region until recently very poorly explored for these insects. Records are presented to augment distributional knowledge of these taxa in Indonesia and that of the faunal transitions between western Indonesia and peninsular Malaysia. Most of the species recorded here were known previously from Java (Endang *et al.* 2002). All are new for Sumatra, and it is notable that further new species have not been discovered in the Sumatran collections, other than for *Trichadenotecnum*, which has diversified considerably in the region with 33 species recorded from Indonesia (Endang & New 2005, in which Sumatran records are summarised). This contrasts markedly with some other Psocidae (such as the subfamily Amphigerontiinae) in which many of the species from these same collections were previously undescribed (Endang & New 2010).

The formal scope of Psocinae as applied here comprises the tribes Psocini and Ptyctini of Mockford (1993) and so excludes the Cerastipsocinae, considered by Mockford to be within his larger concept of Psocinae. This arrangement (summary in New & Lienhard 2007) follows other recent treatments of the Indonesian Psocidae. Arrangement of genera follows Endang *et al.* (2002) and the keys to genera (see also New & Lienhard 2007) and species given there apply to this paper.

The material discussed here was collected over 66 days of fieldwork by ESK in December 1995, January 1996, January 1997, and June/July 1997, in major national parks (background in Endang & New 2004) and many other localities, by beating vegetation up to elevations of about 1500m. All material was preserved in 70% ethanol for later laboratory examination. Vouchers of all identified species will be placed in the Zoological Museum, Bogor.

Clematostigma Enderlein

Clematostigma Enderlein, 1906: 403. Type species: *Copostigma maculiceps* Enderlein.