

## Revision of raphignathoid mites (Acari: Prostigmata) in the collection of H. Habeeb

QING-HAI FAN<sup>1</sup> & ZHI-QIANG ZHANG<sup>2</sup>

<sup>1</sup> College of Plant Protection, Fujian Agricultural and Forestry University, Fuzhou 350002, China; Current address: AH319, Plant Protection, Institute of Natural Resources, Massey University, Palmerston North, New Zealand; fanqh@acarology.org

<sup>2</sup> Landcare Research, Private Bag 92 170, Auckland, New Zealand; ZhangZ@LandcareResearch.co.nz

### Table of contents

Abstract	1
Introduction	2
Key to adults of raphignathoid mites in the collection of H. Habeeb	2
Family Homocaligidae	3
Genus <i>Homocaligus</i> Berlese	3
<i>Homocaligus muscorum</i> (Habeeb) (Figs. 1–3)	3
Family Stigmaeidae Oudemans	8
Genus <i>Caligohomus</i> Habeeb	8
<i>Caligohomus aquaticus</i> (Habeeb)	8
Genus <i>Cheylostigmaeus</i> Willmann	8
<i>Cheylostigmaeus powersi</i> (Habeeb) <b>comb. n.</b> (Figs. 4–6)	9
Genus <i>Eustigmaeus</i> (Berlese)	13
<i>Eustigmaeus frigida</i> (Habeeb) (Figs. 7–9)	13
<i>Eustigmaeus najeeba</i> (Habeeb) (Figs. 10–12)	17
<i>Eustigmaeus reticulatellus</i> (Habeeb) (Figs. 13–18)	20
Acknowledgements	28
References	28

### Abstract

The raphignathoid mites in the collection of H. Habeeb are revised and keyed. Five species are redescribed and illustrated on the bases of the types and cotypes. A new combination is proposed: *Cheylostigmaeus powersi* (Habeeb, 1961), **comb. n.** (from *Eustigmaeus*). *Ledermuelleriopsis taylori* Habeeb, 1961, is considered a junior synonym of *Eustigmaeus reticulatellus* (Habeeb, 1961) (= *Ledermuelleria reticulatella* Habeeb, 1961).

**Key words:** Acari, Homocaligidae, Stigmaeidae, Habeebs collection, revision