

ADVANCES IN THYSANOPTEROLOGY

Edited by: J.S. Bhatti Copyright © Scientia Publishing, New Delhi 110027. 457 pp.

Dedicatory Volume in honour of Prof. Dr. Alexandre Bournier's 80th Birthday (15 Dec. 1993)

A new species of *Liothrips* from China (Thysanoptera: Phlaeothripidae)

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(With 6 Figures)

Key words: *Liothrips bournierorum*, new species, China.

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The new species described below is dedicated to Prof. Alexandre Bournier on his 80th birthday.

***Liothrips bournierorum* n. sp.**

Female (macropterous). Body colour blackish. Antennal segment II yellow in distal half, segment III yellow, segments IV-VII yellow in basal half. Fore wings shaded with brown longitudinal stripe. Fore tibiae and all tarsi yellow. Major body setae dark (postoculars, prothoracic setae, basal wing setae, and those on abdominal terga II-VIII).

Head 362 μm long, with straight cheeks, 260 μm broad across cheeks. Postocular setae 79 μm long, pointed at apex, shorter than eyes, distance from eye 38 μm . Other dorsal setae short.

Antennae 8-segmented, total length 593 μm ; length (and width) of segments: I 51 (56), II 58 (54), III 102 (38), IV 100 (50), V 92 (45), VI 83 (44), VII 68 (27), VIII 38 (26) μm . Sense cones slender, segment III with one, 32 μm long sense cone. Mouth cone broadly rounded. Maxillary bridge absent. Maxillary stylets slender, closer together in the middle of head, retracted into head as far as the postoculars.

Prothorax 184 μm long. Pronotum transverse, unsculptured. Notopleural sutures complete. Length of major setae: anteromarginals 14 μm , anteroangulars 41 μm , midlaterals 64 μm , epimerals 115 μm , posteroangulars 13-58 μm . Basantra absent. Mesopraesternum reduced to 2 lateral triangles. Fore wing 1377 μm long, with 10 double fringes; basal wing setae pointed, B1 106, B2 109, B3 189 μm long. (102)

Abdomen. Pelta nearly triangular, weakly

sculptured. Tergite IX with posteromarginal setae pointed, B1 128, B2 184, B3 127 μm long, shorter than tube. Tube 250 μm long, 0.68 times as long as head; Setae at the apex of tube 243-246 μm long. (187)

Total body length 2700 μm .

Male (macropterous). Similar to female, but smaller. Posteromarginal setae of tergite IX: B1 209, B2 78, B3 267 μm long; B2 much shorter than B1 and B3.

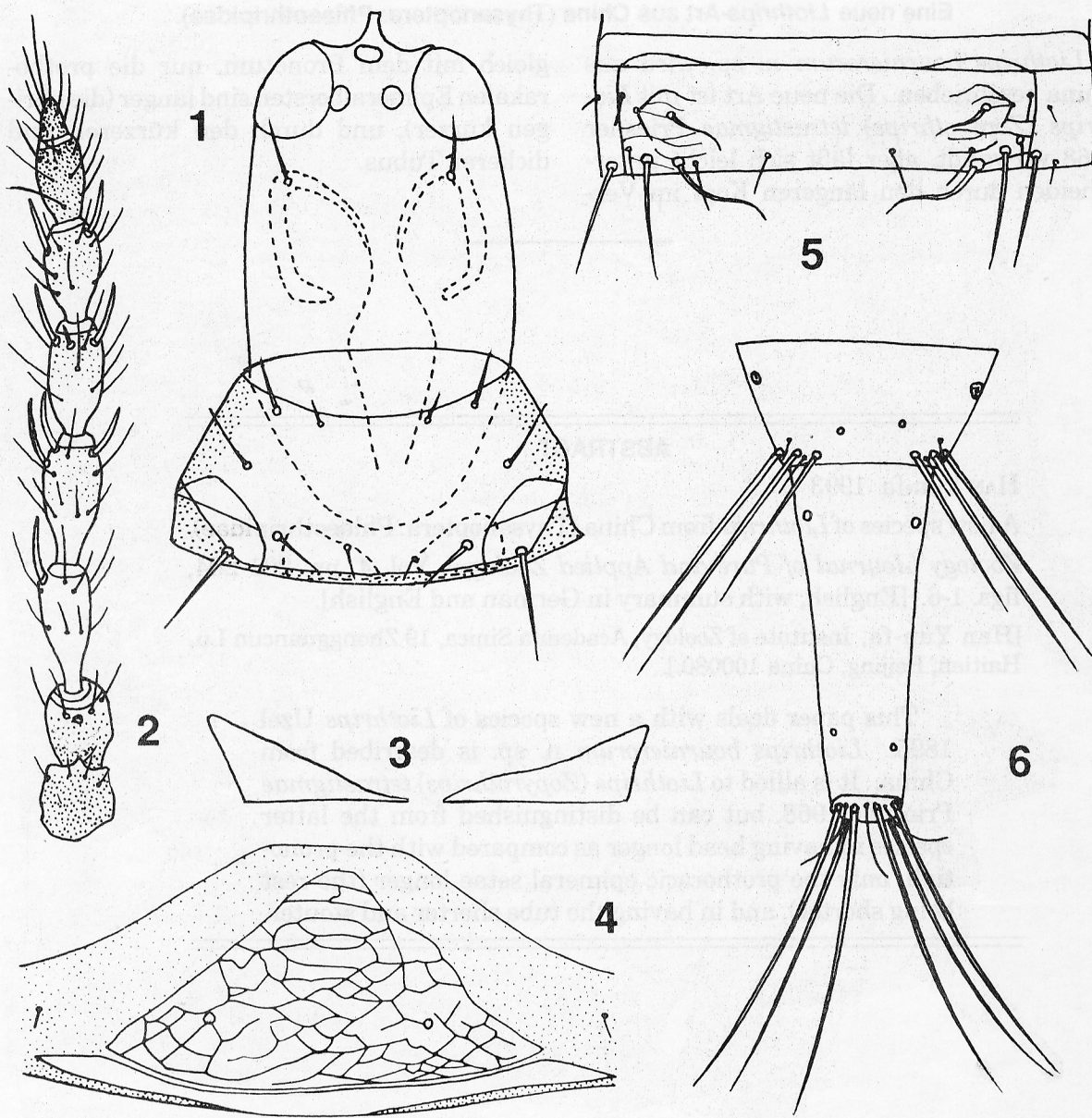
Holotype ♀, CHINA: Sichuan Province: Moxi, Luding Co., 29° N 102° E, 2500 m, on *Tsuga chinensis*, 9.VI.1983, leg. Cui Yun-qui. **Paratypes** 8 ♀ 1 ♂, with the same data.

The type-specimens are preserved in the Institute of Zoology, Academia Sinica, Beijing, China.

The new species is related to *Liothrips* (*Zopyrothrips*) *tetrastigmae* PRIESNER 1968, but may be distinguished by the following characters: (1) Head 362 μm long, about twice as long as prothorax (in *tetrastigmae*, head 277 μm long, 1.6 times as long as prothorax). (2) Only prothoracic epimeral setae longer, the rest shorter, epimerals 115-122 μm long, posteroangulars 13-58 μm long, and pointed at tip (in *tetrastigmae*, the epimerals and posteroangular setae are longer, and all are rounded at apex). (3) Tube shorter and stouter, 249 μm long, head 1.4 times as long as tube (in *tetrastigmae*, the tube is longer and more slender, 280-290 μm long, and the tube is about as long as head).

Reference

- PRIESNER, H. 1968. On the genera allied to *Liothrips* of the Oriental fauna, II. *Treubia*, 27 (2-3): 175-285.



Figs. 1-6. *Liothrips bournierorum* n. sp., ♀.

- 1 Head and prothorax, dorsal view. 2 Antenna, dorsal view. 3 Mesopraesternum. 4 Pelta.
5 Abdominal segment V, dorsal view. 6 Abdominal segments IX and X, dorsal view.

ZUSAMMENFASSUNG**Eine neue *Liothrips*-Art aus China (Thysanoptera: Phlaeothripidae).**

Liothrips bournierorum n. sp. wird aus China beschrieben. Die neue Art ist mit *Liothrips (Zopyrothrips) tetrastigmae* Priesner 1968 verwandt, aber läßt sich leicht unterscheiden durch den längeren Kopf im Ver-

gleich mit dem Pronotum, nur die prothorakalen Epimeralborsten sind länger (die übrigen kürzer), und durch den kürzeren und dickeren Tubus.

ABSTRACT

HAN Yun-fa 1993

A new species of *Liothrips* from China (Thysanoptera: Phlaeothripidae).

Zoology (Journal of Pure and Applied Zoology), Vol. 4, pp. 201-204, figs. 1-6. [English, with summary in German and English].

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This paper deals with a new species of *Liothrips* Uzel 1895. *Liothrips bournierorum* n. sp. is described from China. It is allied to *Liothrips (Zopyrothrips) tetrastigmae* Priesner 1968, but can be distinguished from the latter species in having head longer as compared with the pronotum, only the prothoracic epimeral setae longer (the rest being shorter), and in having the tube shorter and stouter.
