

New Species of *Paracimex*¹

(Cimicidae : Hemiptera)

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The following species were discovered since the monograph of Cimicidae (Usinger, 1966) was published. The types of new species will be deposited in the U. S. National Museum.

The author wishes to express his sincere appreciation to Dr. R. L. Usinger (Division of Entomology, University of California, Berkeley) for his help in many ways. The author is also indebted to Drs. J. T. Marshall and D. J. Gould (SEATO Medical Laboratory, Bangkok, Thailand) and Mr. T. L. Fenner (Department of Agriculture, Stocks and Fisheries, Port Moresby, Territory of Papua and New Guinea).

***Paracimex chaeturus* Ueshima, new species**

(Fig. 1)

FEMALE.—Head 1.0 mm wide, slightly wider than long; interocular space 6 times as wide as an eye. Antennae 2.4 mm long, proportion of segments 8 : 31 : 33 : 29. Rostrum 1.0 mm long, proportion of segments 13 : 10 : 10.

Pronotum 1.8 mm wide, about $\frac{2}{3}$ as wide as long, 72 : 48; sides strongly lamellate in front of middle, concave behind middle; anterior lobes produced beyond inner angles of anterior concavity by $\frac{1}{3}$ of median length, the longest bristles at sides about $\frac{2}{3}$ as long as first antennal segment; relatively truncate and serrate; number of prominent bristles on each side about 40.

Mesonotum-scutellum with bristles posteriorly.

Hemelytral pads about $\frac{7}{9}$ as wide as long, 36 : 28, broadly rounded behind and at sides, and broadly contiguous along inner margins; discal bristles a little shorter than distance between bristles.

Legs with hind femora 3 times as long as wide; ctenidia of front and middle femora strong, dilated from even curve of femur.

Abdominal tergites with fine bristles, those of lateral margins stouter and serrate. Posterior margins of 4th and 5th ventrites bent forward at middle. Ectospermalege arising from middle of a broad and deep concavity of hind margin of 5th ventrite, membranous, oval-shape.

MALE.—Bristles somewhat longer; genital segment slightly narrower than length on left side, the paramere extending beyond middle of left side.

SIZE.—Male (slide-mounted), length 7.3 mm, width (pronotum) 1.6 mm, (abdomen, 2.7 mm; female, length 7.5 mm, width (pronotum) 1.8 mm, (abdomen) 3.2 mm.

Holotype female, allotype male, PRACHINBURI, THAILAND, 25 June 1965 (J. T. Marshall, #6317), off *Chaetura gigantea* (Temminck) shot in flight. One male paratype, K. 116 on highway 23 NE Kanburi,

¹ This study was supported by U. S. Public Health Service Grant GM-13197.

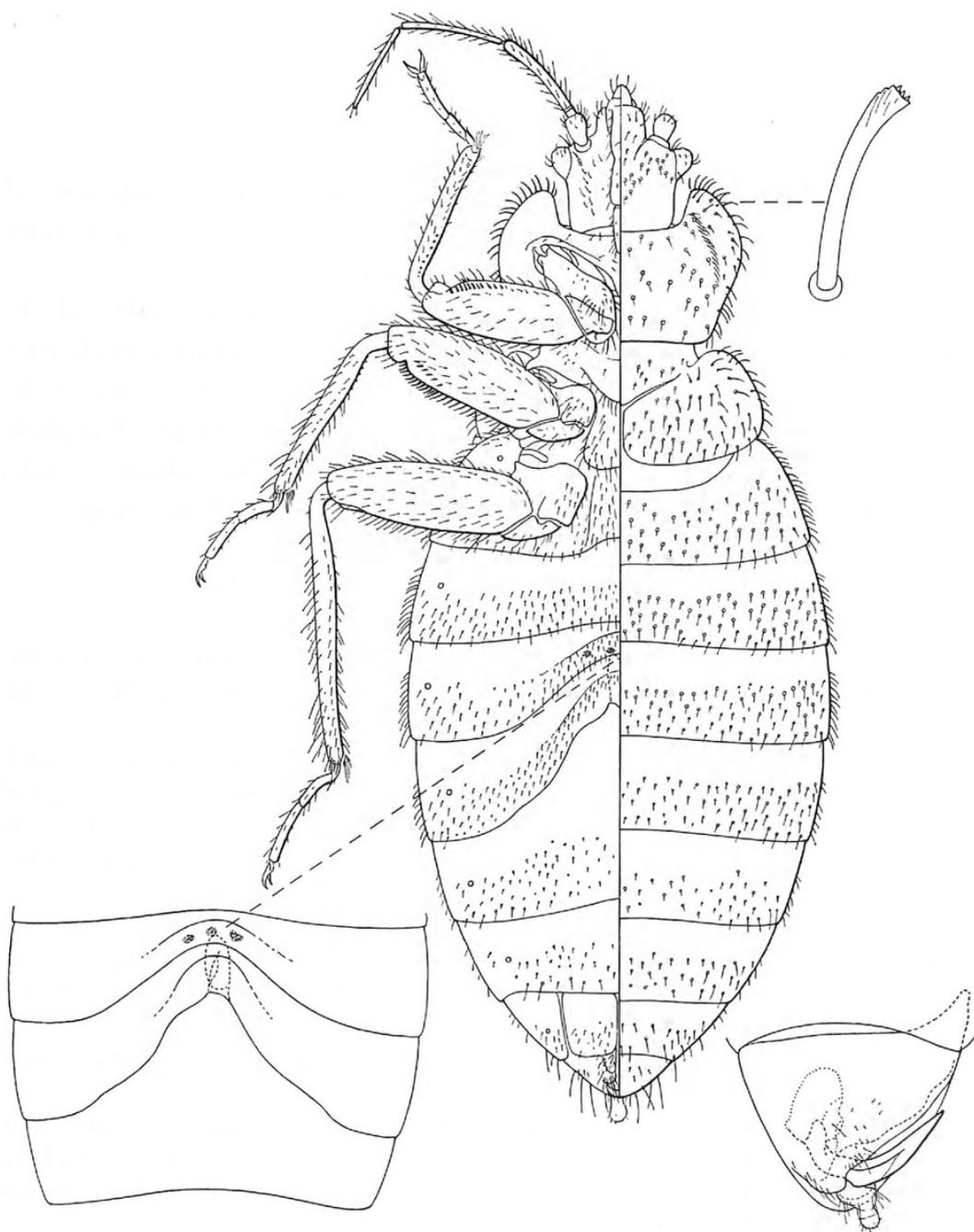


FIG. 1. *Paracimex chaeturus* Ueshima. Female holotype. Parachinburi, Thailand (Celeste Green, original).

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FIG. 2. *Paracimex inflatus* Ueshima. Female holotype. Poronbus village, New Ireland (Celeste Green, original).



Prachinburi, Thailand, 25 June 1965 (J. T. Marshall, #6318), off *Chaetura gigantea* shot in flight.

P. chaeturus is very close to *P. lamellatus* Ferris and Usinger but differs by lesser bristles on the pronotum and abdomen, the shape of hemelytral pads, and by the short rostrum.

Paracimex inflatus Ueshima, new species

(Fig. 2)

FEMALE.—Head 0.9 mm, as long as wide, interocular space 8 times as wide as an eye. Antennae 2.0 mm long, proportion of segments 8 : 22 : 22 : 20. Rostrum 1.0 mm long, proportion of segments 16 : 13 : 13.

Pronotum 1.45 mm wide; less than twice as wide as long 58 : 35; sides concave behind middle; anterior lobes produced $\frac{2}{3}$ as far forward as width at base; bristles at lateral margins 0.2 mm, serrate at apical and on outer sides; number of bristles on each side about 35.

Mesonotum-scutellum with a few fine bristles posteriorly.

Hemelytral pads $\frac{2}{3}$ as long as wide 26 : 35; broadly rounded posteriorly and at sides, contiguous only adjacent to apex of scutellum; disk with long, erect bristles at sides.

Legs with hind femora 3.5 times as long as broad, 54 : 15; ctenidia of front and middle femora scarcely dilated from the curve of femur.

Abdominal tergites with fine bristles, those of lateral margins longer. Ectospermalege arising from a broad concavity of hind margin of 5th ventrite to right of middle. Tubular ectospermalege inclined to the right then swollen a half to apex, particularly right side.

MALE.—Genital segment about as wide as long on left side; paramere reaching about to middle of left side.

SIZE.—Male (slide mounted), length 6.7 mm, width (pronotum) 1.5 mm, (abdomen) 2.65 mm; female, length 6.0 mm, width (pronotum) 1.45 mm, (abdomen) 2.65 mm.

Holotype female, allotype male, and a series of paratypes, PORONBUS VILLAGE, NEW IRELAND, October 1965 (B. McMillan), from nests of *Collocalia* sp. Additional materials of the species are at hand as follows: cave of Nemasalang, New Ireland, 25 July 1966 (N. Ueshima), from nests of *Collocalia esculenta esculenta* Linnaeus; Lorengau, Manus Island, 28 July 1966 (N. Ueshima), from nests of *Collocalia esculenta esculenta*.

This species is very close to *P. capitatus* Usinger but differs by longer bristles on hemelytral pads and abdomen, slender femur, and by the ectospermalege.

LITERATURE CITED

- USINGER, R. L. 1966. Monograph of Cimicidae. Thomas Say Foundation Vol. 7, Entomological Society of America, 585 pp.



Ueshima, N. 1968. "New species of Paracimex (Circnicidae: Hemiptera)." *The Pan-Pacific entomologist* 44, 47–50.

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