

**AFRICAN TINGIDAE, XXXVI: ANGOLAN LACEBUGS
IN THE NATIONAL MUSEUM OF NATURAL HISTORY (PRAHA)**

(HETEROPTERA)

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Through the kindness of Dr. L. Hoberlandt, to whom I am greatly indebted, I received an interesting collection of Angolan Tingidae. Eight species are represented there, three of which are recorded here for the first time from Angola. The fifth instar nymph of *Naochila boxiana* (Drake), unknown hitherto, is described.

***Ammianus laminatus* (Horváth, 1911)**

Horváth, 1911: Ann. Mus. Nat. Hungarici, 9: 330.

Material examined. Angola: Dundo, Lunda, VI. 1949, A. B. Machado, 2 ex.

New for Angola. This species was known from Cameroon, Equatorial Guinea, Kenya, Tanzania, Uganda and Zaire.

***Paracopium stolidum* (Horváth, 1912)**

Horváth, 1912: Rev. Zool. afr., 1 (3): 355.

Material examined. Angola: Dundo, Lunda, 15. VI. 1949, A. B. Machado, 13 ex. and 4 Vth instar nymphs.

Already known from Angola.

***Angolotingis vilhenai* Drake, 1955**

Drake, 1955: Publ. Cul. Co. Diam. Ang., 27: 88.

Material examined. Angola: Serra do Moco, Luimbale, 6. IX. 1949, A. B. Machado, 1 ex.

Already known from Angola.

***Aglotingis affinis* Schouteden, 1955**

Schouteden, 1955: Rev. Zool. Bot. afr., 52 (1—2): 32.

Material examined. Angola: Luachimo, Dundo, 13. VI. 1949, A. B. Machado, 1 ex.

Angola is a new locality for the species. It was known hitherto from Zaire.

***Compseuta ornatella* (Stål, 1855)**

Stål, 1855: Öfv. Kongl. Vet.-Akad. Förh., 12 (1) : 37.

Material examined. Angola: Andrada, Dundo, VI. 1949, A. B. Machado, 2 ex.

Already known from Angola.

***Naochila boxiana* (Drake, 1953)**

Drake, 1953: Proc. Biol. Soc. Washington, 66 : 214.

Material examined. Angola: Dundo, Lunda, VI. 1949, A. B. Machado, 3 ex. and 1 Vth instar nymph.

Already known from Angola.

Vth instar nymph (fig. 1 and 2)

General colour dark brown. Antennal segment III and basal half of the fourth testaceous. Apex of hind pronotal corner and median line of pronotum and mesonotum lighter. Body with very long processes with apices slightly lighter.

Head armed with three long processes dorsally, median process slightly shorter than posterior pair (28:32), directed obliquely upward, its apex surpassing the level of second antennal segment, posterior pair directed obliquely upward and laterad, their apices reaching the level of second antennal segment from dorsal view. Eyes greyish. Antenniferous processes small. Antennal segments with scattered hairs.

Pronotum almost 2,0 times wider than its median length; anterior margin slightly sinuate; lateral margins moderately convex, armed with one small tubercle and three long processes, the first and the third directed almost upward, the first the shortest and the third the longest (22:32:34); posterior margin produced medially into a triangular corner not reaching to posterior margin of mesonotum. Two pairs of long processes in the median line of pronotum, one near anterior pronotal margin and the other at the middle length of pronotum, the anterior pair much longer than posterior pair (47:25). Median line of mesonotum with one pair of very long processes, longer than those of pronotum (50:47:25). Hemelytral lobes not quite reaching to middle length of fifth abdominal tergite; lateral margins with one small tubercle and three long processes, the third directed almost upward, the first the shortest and the third the longest (28:32:39).

Posterolateral margins of abdominal segments IV—VI and VIII armed with one long process on each angle, those of the fifth segment directed almost upward, segment IX armed with two long processes at its apex; segment VII without any process on the posterolateral angles; the processes of segment VIII the shortest, those of segment V the longest, the others subequal in length (35:45:36:0:21:37). One unpaired very long process in the median line of tergites II, V and VIII, the process of segment II the shortest, the others equal in length (47:52:52).

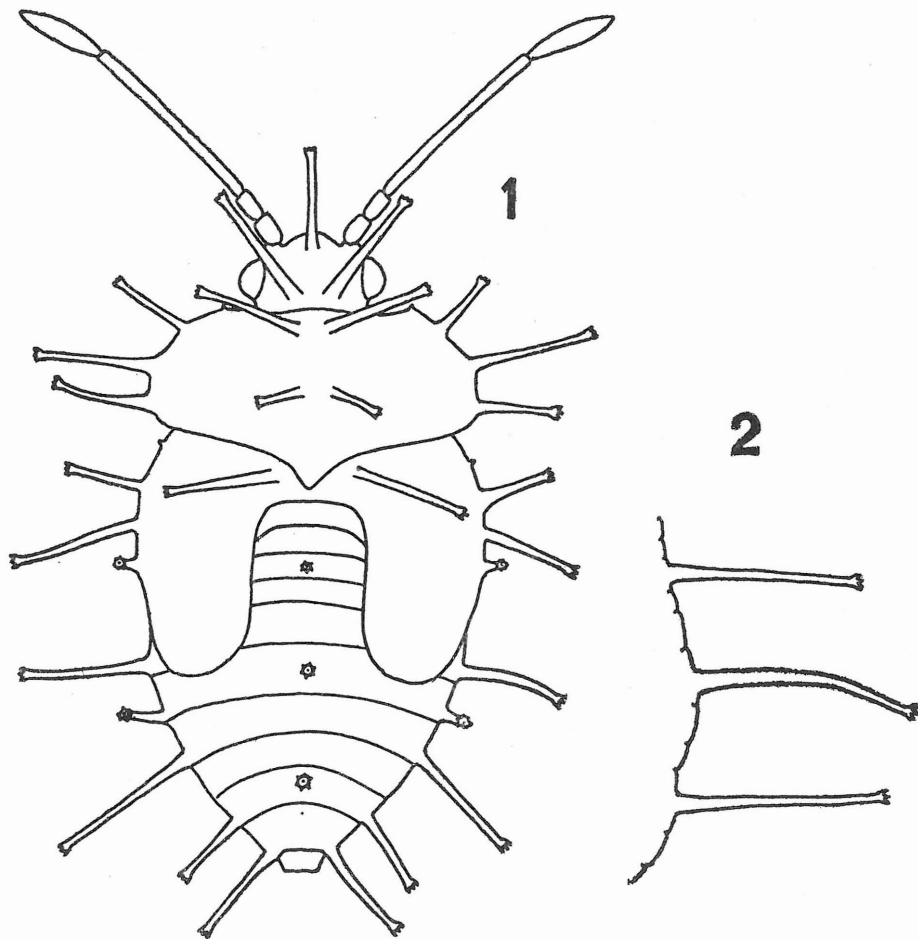


Fig. 1—2: *Naochila boxiana* [Drake], fifth instar nymph. 1: General aspect. 2: Lateral view of abdomen, showing the unpaired processes in the median line of the tergites II, V and VIII.

Legs brown, with small hairs.

Measurements (without processes): length of body: 1,85 mm; maximal width: 1,02 mm; width of head: 0,44 mm; length of median process of head: 0,34 mm; length of posterior processes of head: 0,38 mm; length of antennal segments: I, 0,096 mm, II, 0,084 mm, III, 0,564 mm, IV, 0,312 mm; length of pronotum: 0,49 mm; width of pronotum: 0,97 mm; length of posterior tibia: 0,55 mm; length of posterior tarsus: 0,14 mm.

The fifth instar nymph of *Naochila boxiana* is very similar to those

of *Naochila miongavensis* Rodrigues,, *Dictyla flavipes* (Signoret) and *Dictyla uniseriata* (Horváth) in having no process on the posterolateral angles of the abdominal segment VII. It differs from them by having only three processes on the head; it differs still from the fifth instar nymph of *Dictyla flavipes* by the presence of two pairs of processes on the pronotum and from the fifth instar nymph of *D. uniseriata* by the lack of one unpaired process in the median line of the abdominal tergite VI.

***Agramma angolanum* (Drake, 1955)**

Drake, 1955: Publ. Cul. Co. Diam. Ang., 27 : 90.

Material examined. Angola: Serra do Moco, Luimbale, 6. IX. 1949, A. B. Machado, 1 ex.

Already known from Angola.

***Agramma dilectulum* (Drake, 1951)**

Drake, 1951: Ann. Hist. Nat. Mus. Nat. Hungarici, 1 (1) : 168.

Material examined. Angola: Vila Luso, 30. VIII. 1949, A. B. Machado, 1 ex.

Recorded for the first time from Angola. Known from Ethiopia, Nigeria, South Africa, Sudan and Uganda.

References

- Duarte Rodrigues P., 1979: African Tingidae, V: Nymphs of *Ammianus alaticollis* (Stål), *Dictyla flavipes* (Signoret) and *Compseuta ornatella* (Stål) (Heteroptera). *Arq. Mus. Boc.*, 2a Série, 6 (24) : 481—488.
- Duarte Rodrigues P., 1983: African Tingidae, XXXIV: The fifth instar nymphs of five lacebugs (Heteroptera). *Arq. Mus. Boc.* (Ser. B), 2(9): 57—65.