

**PARC NATIONAL DE LA GARAMBA
MISSION H. DE SAEGER**

en collaboration avec

P. BAERT, G. DEMOULIN, I. DENISOFF, J. MARTIN,
M. MICHA, A. NOIRFALISE, P. SCHOEMAKER,
G. TROUPIN et J. VERSCHUREN (1949-1952).

Fascicule 13 (1)

**NATIONAAL GARAMBA PARK
ZENDING H. DE SAEGER**

met medewerking van

P. BAERT, G. DEMOULIN, I. DENISOFF, J. MARTIN,
M. MICHA, A. NOIRFALISE, P. SCHOEMAKER,
G. TROUPIN en J. VERSCHUREN (1949-1952).

Aflevering 13 (1)

**PYGOSTENINI
(COLEOPTERA POLYPHAGA)**

Fam. STAPHYLINIDAE

Subfam. ALEOCHARINAE

BY

DAVID H. KISTNER (Rochester)

This paper is based on a small collection of *Pygostenini* made in Garamba National Park by the H. DE SAEGER Mission from 1949-1952. In the following pages the one new species will be described and illustrated while the other species, which are better known from other localities will be merely cited ⁽¹⁾.

The author wishes to express his gratitude to Mr. G. FAGEL (Institut des Parcs Nationaux du Congo Belge, Brussels), for the loan of specimens included in this study. All specimens deposited in the collection of the above institution will be indicated (I.P.N.C.B.). Specimens retained in the collection of the author will be indicated (D.K.). Thanks are also given to Dr. J. K. A. VAN BOVEN (Institut de Zoologie, Louvain), for the doryline ant determination which will be cited in the text.

The specimens were prepared for study and measured according the methods previously reported (KISTNER, 1958 *a*, pp. 11-12).

⁽¹⁾ All the localities between [] are outside of the Park's boundaries.

1. — **Typhloponemys wittei** CAMERON.

Pygostenus wittei CAMERON, Explor. Parc Nat. Albert, Miss. G. F. DE WITTE, 1933-1935, fasc. 59, 1950, p. 44; Inst. Parcs Nat. Congo Belge, Brussels (Belgian Congo : Rutshuru, Albert National Park, no host). — TOTTENHAM, Ann. Mus. Roy. Congo Belge Tervuren, sér. in-8°, Zool., 51, 1956, p. 230 [Ruanda : Counterfort east of Muhavura, no host].

Typhloponemys wittei KISTNER, Explor. Parc Nat. Albert, Mission G. F. DE WITTE, 1933-1935, fasc. 91 (1), 1958, pp. 4-5, figs. 2, 3, 4, 9 [Belgian Congo : Haut-Uele, Moto, no host]. — KISTNER, Ann. Mus. Roy. Congo Belge Tervuren, sér. in-8°, Zool., 68, 1958 a, p. 80 (no further localities added).

Material examined. — 1 ♂ : Aka, dense galery forest of Guinea type I, 15.V.1952; Coll. by H. DE SAEGER (3463) (I.P.N.C.B.).

Remarks. — DE SAEGER (1956) gives additional notes on the capture. The specimen was collected between 9-12:00 A.M. in cut grass and prunings from arborescent shrubs on the border of a ravine which had a dense cover of foliage.

2. — **Mimocete torpilla** FAUVEL.

Mimocete torpilla FAUVEL, Rev. d'Ent., 18, 1899, p. 8; Inst. Roy. Sc. nat. Belg., Brussels, [Cameroons, no host]. — WASMANN, Ent. Mitt., 17, 1926, p. 116. — TOTTENHAM, Ann. Mus. Roy. Congo Belge Tervuren, sér. in-8°, Zool., 51, 1956, p. 230 [Urundi : Bururi; Ruanda : Terr. Nyanza, Mahembe]. — KISTNER, Explor. Parc Nat. Upemba, Miss. G. F. DE WITTE et al., 1946-1949, fasc. 49 (4), 1958 b, p. 38 [Belgian Congo : riv. Kenia, no host]. — KISTNER, Ann. Mus. Roy. Congo Belge Tervuren, sér. in-8°, Zool., 68, 1958 a, pp. 136, 138, figs. 31 A; 32 B, G; 33 A, D, E, G; 34 D, E [plus additional synonymy contained therein and many localities in the Belgian Congo, Ruanda, Urundi, Northern Rhodesia, Tanganyika, Kenya, Mozambique, and the Union of South Africa].

Material examined. — 2 ♀♀ : II/gd/4, 24.V.1951; Coll. by H. DE SAEGER (1813), at light (I.P.N.C.B.).

Remarks. — The designation II/gd refers to section gd of the second biological cell. The designation 4 refers to the ecological situation in which the specimen was taken, which in this case is herbaceous savanna (see maps and explanation given by DE SAEGER, 1954 and 1956).

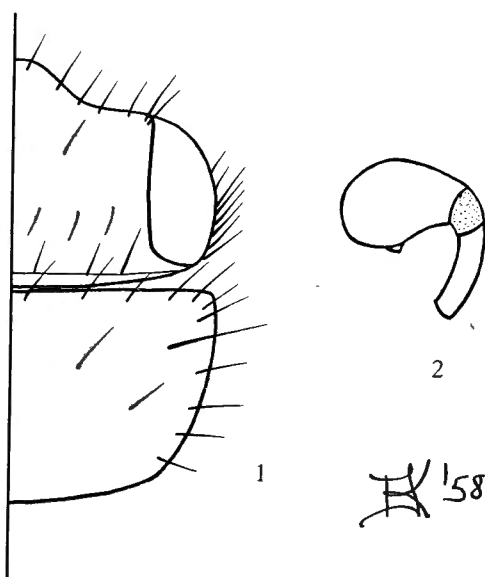
3. — **Neopygostenus desaegeri** n. sp.

(Figs. 1, 2.)

Head and pronotum shaped as in figure 1. Eye shape exactly as in *Neopygostenus seeversi* KISTNER (1958 a, figure 35 E, p. 137). Color light reddish brown throughout, approaching yellowish. Dorsal surface of the

head, pronotum, and elytra shiny and setigerous; chaetotaxy of the head and pronotum as shown in figure 1. Spermatheca shaped as in figure 2. Male unknown.

Measurements. — Pronotum length, 0.38-0.39 mm.; elytra length, 0.49 mm.; eye length, 0.25-0.27 mm.; gula width, 0.12-0.13 mm.; interocular distance, 0.46 mm.; head length, 0.37-0.38 mm. Number measured, 2.



FIGS. 1, 2. — *Neopygostenus desaegeri* n. sp.

1: Head and pronotum; 2: Spermatheca.

This species may be distinguished from all other species by the shape of the spermatheca. Identification will be facilitated by the use of the following key:

1. Pronotum rounded, slightly wider than the head
Neopygostenus flavus CAMERON.
- Pronotum angular, as wide as or shorter than the head 2
2. Spermatheca elongate, with the distal portion about twice as long as the longest axis of the bulbous portion *N. seeversi* KISTNER.
- Spermatheca more compressed, with the distal portion about as long as the longest axis of the bulbous portion (fig. 2) *N. desaegeri* n. sp.

Holotype. — ♀ : No. 3132, I/o/1, 10.V.1950, Coll. by H. DE SAEGER (No. 514). In the collection of the Institut des Parcs Nationaux du Congo Belge, Brussels.

Paratype. — 1 ♀ : same data as the holotype, (D.K.).

Remarks. — The designation I/o/1 refers to the first biological cell and a specific locality at the border of the Bagbele camp (see DE SAEGER, 1956). The specimens were collected from a colony of ants that were in the process of changing their nest site. The ecological situation was wooded savanna. Fortunately specimens of the ants were mounted with the myrmecophiles. These were sent for determination to Dr. J. K. A. VAN BOVEN, who provisionally identified the two workers as *Aenictus weissii* SANTSCHI. This is the first record of any host for any of the species of *Neopygostenus*.

DEPARTMENT OF BIOLOGY.
THE UNIVERSITY OF ROCHESTER.

BIBLIOGRAPHY.

- CAMERON, MALCOLM, 1950, *Staphylinidae (Coleoptera Polyphaga)* [*Explor. Parc Nat. Albert, Miss. G. F. de Witte* (1933-1935), fasc. 59, pp. 1-85].
- DE SAEGER, H., 1954, Introduction (*Explor. Parc Nat. Garamba, Miss. H. De Saeger et al.*, fasc. 1, pp. 1-108, 61 plates, 3 maps).
- 1956, Entomologie, Renseignements éco-biologiques (*Ibid.*, fasc. 5, pp. 1-555, 3 maps).
- FAUVEL, A., 1899, Genres et espèces de Staphylinides nouveaux d'Afrique. III : Sur une Tribu nouvelle de Staphylinides (*Pygostenini*) et descriptions de genres et espèces (*Rev. d'Ent.*, 18, pp. 1-44).
- KISTNER, D. H., 1958, Revision of the *Pygosteninae* [*Explor. Parc Nat. Albert, Miss. G. F. de Witte* (1933-1935), fasc. 91 (1), pp. 3-12].
- 1958a, The evolution of the *Pygostenini* (*Coleoptera Staphylinidae*) (*Ann. Mus. Roy. Congo Belge, Tervuren*, sér. in-8°, Zool., 68, pp. 1-158).
- 1958b, *Pygosteninae (Coleoptera Polyphaga)*, Fam. *Staphylinidae* [*Explor. Parc Nat. Upemba, Miss. G. F. de Witte et al.* (1946-1949), fasc. 49 (4), pp. 33-40].
- TOTTENHAM, C. E., 1956, Contributions à l'étude de la faune entomologique du Ruanda-Urundi (Mission P. BASILEWSKY, 1953), LXXXVII. *Coleoptera Staphylinidae* : *Steninae, Xantholinae, Staphylininae, Tachyporinae* and *Pygosteninae* (*Ann. Mus. Roy. Congo Belge, Tervuren*, sér. in-8°, Zool., 51, pp. 221-332).
- WASMANN, ERICH, 1926, *Doryloxenus, Mimocete, Megaloxenus* (Col., *Staphylinidae, Pygosteninae*, sic.). (261 : Beitrag zur Kenntnis der Myrmecophilen) (*Ent. Mitteil.*, 15, pp. 113-116).

INDEX
ARRANGED ALPHABETICALLY.

SPECIES.

	Pages.
<i>desaegeri</i> nov. (<i>Neopygostenus</i>)	4
<i>torpilla</i> FAUVEL (<i>Mimocete</i>)	4
<i>wittei</i> CAMERON (<i>Typhloponemys</i>)	4

Published July 31, 1959.
