

Entomofauna

ZEITSCHRIFT FÜR ENTOMOLOGIE

Band 5, Heft 11

ISSN 0250-4413

Linz, 15. Mai 1984

New Records and a New Species of
Anthicidae from Africa *)
(Coleoptera)

Donald S. Chandler & Gerhard Uhmann

Abstract

New records of African *Anthicidae* in several genera are presented, with *Notoxus lusakaensis* sp.n. being described from Zambia.

Zusammenfassung

Es werden neue Funde afrikanischer *Anthicidae* aus verschiedenen amerikanischen Museen behandelt. Eine Art war bisher unbekannt: *Notoxus lusakaensis* sp.n. aus Zambia.

The *Anthicidae*-fauna of the Ethiopian region is very diverse and generally species distributions are known from only a few records. Several collections of African

*) Scientific Contribution Number 1254 from the New Hampshire Agricultural Experiment Station.

Anthicidae have been examined, and found to present a number of valuable locality records as well as a new species of *Notoxus* GEOFFROY, 1762, from Zambia. We would like to thank Robert O. SCHUSTER, University of California, Davis (UCDC), David H. KAVANAUGH, California Academy of Sciences, San Francisco (CASC), and Ted J. SPILMAN, U.S. National Museum (USNM), for arranging the loan of specimens in their care. Deposition of specimens in these aforementioned collections is indicated by their four letter acronyms, and by DSC and GU for the private collections of the authors. The holotype of *Notoxus lusakaensis* sp.n. is deposited in the University of California, Davis.

Notoxus abnormis BUCK, 1958

1 ex., Belgian Congo, Park Upemba, Muye, 17.1.1958, 1570 m, leg. E.S. ROSS & R.E. LEECH (CASC).

Notoxus alluaudi PIC, 1907

2 ex., Zambia, Lusaka, 31.12.1973, 21.1.1974, leg. W.H. LANGE (DSC, UCDC).

Notoxus ater PIC, 1914

1 ex., Kenya, Lake Victoria, Mbita Point, 21./22.5.1975, leg. A.J. PENNIMAN (DSC).

Notoxus dilaticornis PIC, 1917

11 ex., Zambia, Lusaka, 3.11.1973, 5.11.1973, 23.3.1974, leg. W.H. LANGE (DSC, GU, UCDC).

Notoxus francevilleus PIC, 1895

1 ex., Angola, Saurimo, Lunda, 20.9.1949, leg. B. MALKIN (CASC).

Notoxus holmi UHMANN, 1984

2 ex., South Africa, Nord-Transvaal, Satara, Krüger Natl. Park, 7.3.1976, leg. R.E. PAROTT (DSC, GU).

Notoxus lesnei PIC, 1932

1 ex., Zambia, Lusaka, 21.1.1974, leg. W.H. LANGE (DSC).

Notoxus litigiosus LAFERTE, 1848

3 ex., Zambia, Lusaka, 7.12.1973, 16.12.1973, 5.2.1974, leg. W.H. LANGE (DSC, GU, UCDC).

Notoxus neavei KREKICH, 1922

2 ex., Zambia, Lusaka, 31.12.1973, leg. W.H. LANGE (DSC, GU).

Notoxus pretiosus VAN HILLE, 1975

5 ex., Kenya, Amboseli Game Reserve, Old Tukai Lodge, 29.1.1968, leg. KROMBEIN & SPANGLER, black light (DSC, USNM).

Notoxus rothschildi PIC, 1906

1 ex., Kenya, Watamu, Malindi, 28.3.1976, leg. R.E. PAROTT (DSC).

Notoxus schoutedeni KREKICH, 1922

1 ex., Angola, Vila Luso, Mox., 25.9.1949, leg. B. MAL- KIN (CASC).

Notoxus sectator QUEDENFELDT, 1885

1 ex., Zambia, Lusaka, 16.1.1974, leg. W.H. LANGE, (UCDC).

Notoxus vanhillei JHMANN, 1980

4 ex., Tanzania, Arusha Natl. Park, E side, Mt. Meru, 5500', 3.7.1974, leg. B.D. VALENTINE family (DSC).

Macynotarsus nigronotatus PIC, 1914

2 ex., Angola, 7 mi N Vila Pereira d'Eca, 17.5.1958, 1100 m, leg. E.S. ROSS & R.E. LEECH (CASC).

Amblyderus tavetanus PIC, 1914

1 ex., Kenya, Diani Beach, Two Fishes Hotel, 24.6.1974, leg. B.D. VALENTINE family, UV lt., edge of beach (DSC).

Formicomus caeruleus THUNBERG, 1789

1 ex., South Africa, Cape Prov., 17.8.1973, leg. M.E. IRWIN (UCDC).

Omonadus oppositus (PIC, 1920)

2 ex., Zambia, Lusaka, 31.12.1973, leg. W.H. LANGE (DSC, GU).

Anthicus vassei PIC, 1917

2 ex., Zambia, Lochinvar Natl. Park, 10.12.1973, leg. W.H. LANGE (DSC, GU).

Sapintus rugulipennis (FAIRMAIRE, 1893)

1 ex., Zambia, Lusaka, 24.2.1974, leg. W.H. LANGE (UCDC).

Notoxus lusakaensis sp.n.

(Figs. 1-5)

Holotype male. Measurements (in mm): length 3,2, width 1,0. Head: 0,65 long, 0,5 broad across eyes. Pronotum: base to horn apex 1,0 long, 0,65 broad. Horn: 0,45 long, 0,3 broad. Elytra: 2,0 long, 1,0 broad.

Coloration: head dark brown, pronotum red brown, elytra grey-brown with yellow markings (the paratypes with the elytra varying from completely tan to basal half and the apices grey brown). Maxillary palps, antennae and legs brown. Head: shining. Between eyes strongly and closely punctate, distance between punctures slightly smaller than puncture width. Basally with finer punctation, distance between punctures 4 times greater than puncture width. Pubescence yellowish, directed anteriorly. Antennal member lengths, member 1: 0,18 x 0,08; member 2: 0,1 x 0,07; member 3: 0,1 x 0,06; member 4: 0,11 x 0,06; member 5: 0,11 x 0,06; member 6: 0,11 x 0,07; member 7: 0,11 x 0,07; member 8: 0,11 x 0,08; member 9: 0,11 x 0,08; member 10: 0,12 x 0,09; member 11: 0,17 x 0,09.

Pronotum: shining. Strongly punctate, puncture intervals 1-2 times as great as puncture widths. Pubescence yellowish, directed medially and posteriorly, decumbent, directed anteriorly on horn. Crest margins indistinct, crenulate, indistinctly merging with horn at apex, granulate medially. Horn margins dentate, with 16 teeth (paratypes vary from 10-16 teeth on horn margin).

Elytra: shining. Anteriorly with strong punctures, intervals between punctures much smaller than puncture diameter, posteriorly with fine punctation, intervals about 3 times greater than puncture diameter. Elytral apices slightly wrinkled. Pubescence yellowish, decumbent. Humeri and omoplates distinct. Apical pits small, round, sharply grooved, acute pencil of setae projecting posteriorly from elytral margins just medial to pits.

Abdomen: Last sternite deeply emarginate, densely setate on lateroapical ridges of emargination. Tergite IV apex with medial elongate tubercle, apex densely setate and with two lateral recurved hooks. Tergite V is covered by the previous tergite, with two elongate tuber-

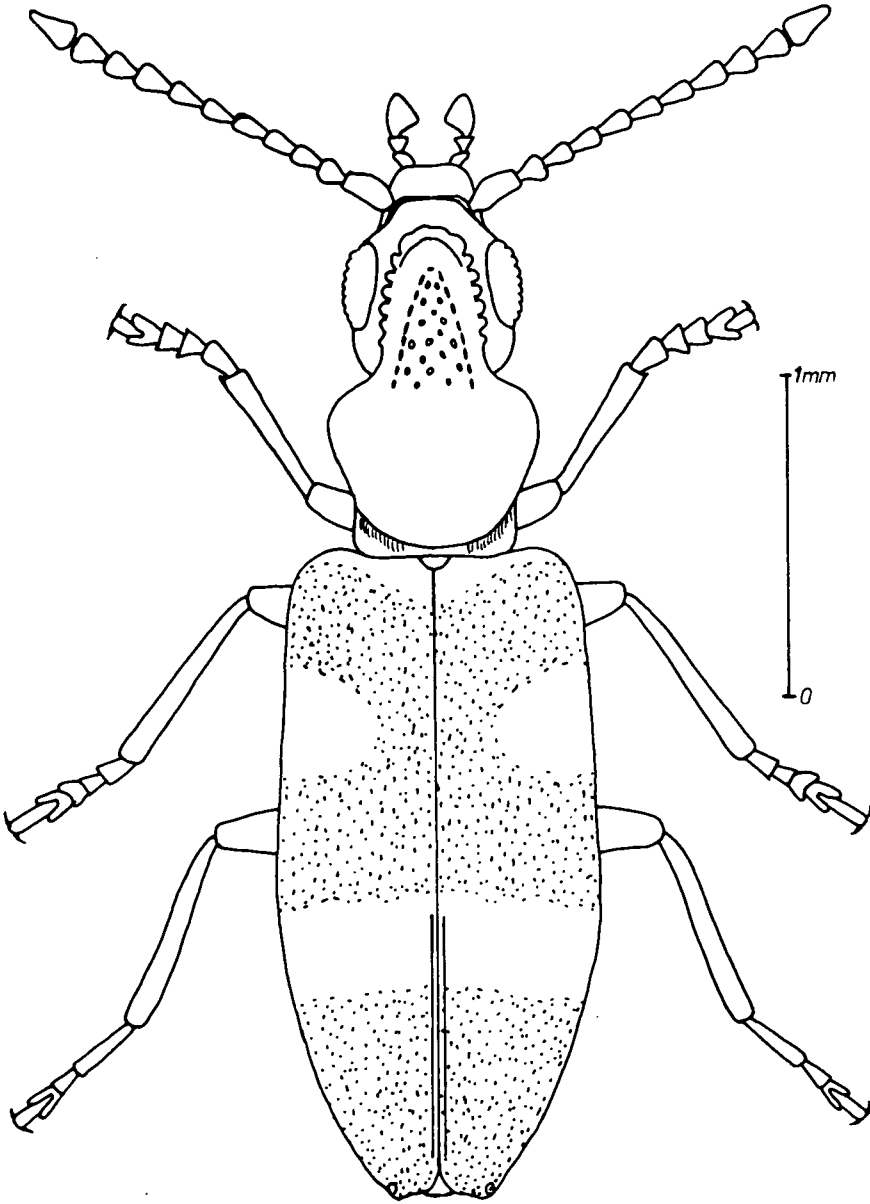


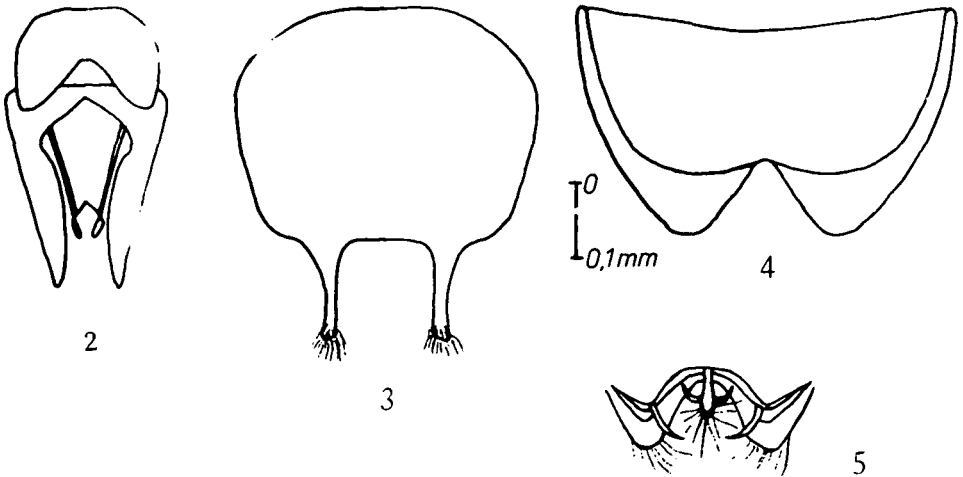
Fig.1: *Notoxus lusakaensis* sp.n., habitus.

cles projecting posteriorly from beneath the hind margin of tergite IV, these two long tubercles densely setate at apex.

Specimens examined, 42: Holotype male, Lusaka, Zambia, 8.2.1974, leg. W.H. LANGE. Paratypes: same data as type except dates ranging from 15.12.1973 to 23.2.1974. Specimens in collections of DSC, GU, UCDC.

Derivatio nominis: This name is derived from the collection site, Lusaka in Zambia.

Relationships: The peculiar form of the last visible sternite and the simple form of the aedeagus places this species near *Notoxus ater* PIC, 1914. *Notoxus lusakaensis* sp.n. is readily distinguished by the unique form of the elongate tubercles of tergite IV and V.



Figs.2-5: *Notoxus lusakaensis* sp.n.

2) ventral view aedeagus; 3) dorsal view tergite V;

4) ventral view sternite V; 5) dorsal view tergite IV.

Authors' addresses:

Donald S. CHANDLER
Department of Entomology
University of New Hampshire
Durham
New Hampshire 03824 USA

Gerhard UHMANN
Tannenhofstrasse 10
8487 Pressath
West Germany

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Entomofauna](#)

Jahr/Year: 1984

Band/Volume: [0005](#)

Autor(en)/Author(s): Chandler Donald S., Uhmann Gerhard

Artikel/Article: [New Records and a New Species of Anthicidae from Africa \(Coleoptera\). 137-142](#)