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Aculeate Hymenoptera collected 1985 in the Republic of Central Africa (Sphecidae, Eumenidae, Vespidae, Pompilidae, Chrysididae and Scoliidae)

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Abstract

A list of Aculeate wasps collected in Kembe (4.29N, 21.53E) during July and August 1985 is presented.

Resumé

Une liste des guêpes collectionées à Kembe (4.29N, 21.53E) en juillet et août 1985 est offerte.

Introduction

During July and August 1985 I had the possibility to spend a pleasant time collecting insects in Central Africa. I was living with my cousin's family in Kembe, a town situated in the south of the country near Zaire in the savanna. During the months of July and August it is the rainy season in this region; the vegetation was in full bloom and the temperatures were tolerable. It was therefore a perfect time to catch insects.

My cousin worked in Kembe at the "Animation Rurale" of the Catholic Mission as a development volunteer. As such, he had to visit a surrounding area of approximately 100 km and I used this opportunity to travel with him and collect insects. In doing so, it was also possible for me to get to know areas of Africa untouched by civilisation.

I was able to catch about 2000 Aculeate Hymenoptera and bring them back to Austria. After completing preparation I sent the majority of the material to specialists all over the world, since I myself am not familiar with the identification of Ethiopian insects.

In the meantime a considerable amount of the material has been worked through, so I'd like to publish my preliminary results. When further determination results arise, I plan to publish them later.

Acknowledgements

First of all, I would like to thank my cousin Mag. Franz Schrittwieser and his wife Gertrude for their hospitality. Through their cordial reception they made my stay very pleasant, and my work as a collector unproblematic.

I sincerely thank the following specialists for identification of the material:

Dr. W. J. PULAWSKI, California Academy of Sciences, San Francisco, USA – Sphecidae: *Tachysphex*, *Gastrosericus*.

Prof. Dr. J. LECLERQ, Liège, Belgium – Sphecidae: *Dasyproctus*, *Arnoldita*, *Encopognathus*, *Crossocerus*.

Dr. A. J. S. WEAVING, Albany Museum of Grahamstown, Republic of South Africa – Sphecidae: *Dolichurus*, *Ammophila*.

Dr. O. LOMHOLDT, Zoologisk Museum Kobenhavn, Denmark – Sphecidae: *Paranysson*.

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R.V. HENSEN, Rijksmuseum van Natuurlijke Historie Leiden, The Netherlands – Sphecidae: *Chalybion*, *Sphex*, *Isodontia*, *Prionyx*, *Chlorion*, *Tachytes*, *Lyroda*, *Dicranorhina*.
Dr. J. GUSENLEITNER, Linz, Austria – Eumenidae, Vespidae.
Dr. R. WAHIS, Faculté des Sciences Agronomiques, Gembloux, Belgium – Pompilidae.
Dr. W. LINSENMEIER, Ebikon, Switzerland – Chrysididae.
Dr. Q. ARGAMAN, Ministry of Agriculture, Department of Plant Protection, Beit-Dagan, Israel – Scoliidae.

Let me thank my colleague Joanna Morrision for help with English.

Results

The species in the following lists all originate in Kembe (4.29 N, 21.53 E), and the surrounding areas of approximately 100 km. They were all caught in July and August 1985. The species listed below offered no problems for identification. New species and species which could not clearly be identificated will be treated in later publications by the specialists concerned.

Sphecidae

Sphecini: det. R. V. HENSEN
Sphex tomentosus FABRICIUS, 10♂, 3♀
Sphex fumicatus CHRIST, 3♂, 7♀
Sphex lanatus MOCSARY, 3♂, 3♀
Sphex "luteipennis" auct., 1♂
Isodontia pelopoeiformis (DAHLBOM), 1♂, 4♀
Prionyx kirbii (VANDER LINDEN), 3♂, 2♀

Chalybion, *Chlorion*: det. R. V. HENSEN
Chalybion bocandei aeronitens HENSEN, 8♂, 24♀
Chlorion maxillosum ciliatum (FABR.), 1♂

Sceliphron: det. H. DOLLFUSS
Sceliphron fossuliferum (GRIBODO), 1♂, 1♀
Sceliphron quartinae (GRIBODO), 1♂, 1♀
Sceliphron spirifex (LINNAEUS), 21♂, 14♀

Ammophila: det. A. J. S. WEAVING
Ammophila beniniensis (PALISOT de BEAUVOIS), 27♂, 4♀
Ammophila insignis litoralis (ARNOLD) 12♂, 3♀

Ampulicinae
Dolichurus: det. A. S. J. WEAVING
Dolichurus ignitus F. SMITH, 1♀

Crabroninae: det. J. LECLERQ
Arnoldita perarmata (ARNOLD)
Crossocerus acephalus LECLERQ, 4♂, 1♀
Crossocerus bulawayoensis (ARNOLD), 1♀
Dasyproctus araboides LECLERQ, 4♀
Dasyproctus bakeri nyholmi (ARNOLD), 4♀
Dasyproctus benoiti LECLERQ, 1♀
Dasyproctus bipunctatus bipunctatus LEPELETIER & BRULLE, 3♀
Dasyproctus bredoi (ARNOLD), 1♀
Dasyproctus croceosignatus (ARNOLD), 3♀
Dasyproctus immitis (SAUSSURE), 2♂, 3♀
Dasyproctus speighti LECLERQ, 1♀
Dasyproctus stephensonianus (ARNOLD), 1♂, 3♀
Encopognathus liongoi LECLERQ, 1♂, 3♀

Larrinae *Paranysson*: det. O. LOMHOLDT
Paranysson melanopyrus (SMITH), 5♂
Paranysson oscari TURNER, 1♂, 1♀

Tachytes: det. R. HENSEN
Tachytes aurichalceus KOHL, 3♂
Tachytes disputabilis TURNER, 1♀
Tachytes nigropilosellus (CAMERON), 2♀
Tachytes notabilis TURNER, 10♂, 2♀
Tachytes tomentosus KOHL, 15♂, 1♀

Gastrosericus, *Tachysphex*: det. W. PULAWSKI
Gastrosericus neavei TURNER, 1♂, 2♀
Tachysphex fugax (RADOSZKOWSKI), 6♂, 2♀

Lyroda: det. R. HENSEN
Lyroda aethiopica KOHL, 1♀

Dicranorhina: det. H. DOLLFUSS
Dicranorhina woerdeni (RITSEMA), 1♂, 1♀

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The specimens of the following genera of Sphecidae have not yet been identified but they have been sent to the following specialists: *Liris* have been sent to R. V. HENSEN, The Netherlands, *Carinostigmus* have been sent to A. T. FINNAMORE, Alberta, Canada, and *Trypoxylon* to A. V. ANTROPOV, Moscow, USSR.

Oxybelus (7 specimens), *Bembix* (10 specimens), *Philanthus* (79 specimens) and *Cerceris* (74 specimens) have not been examined before.

Eumenidae: det. J. GUSENLEITNER

Afreumenes a. aethiopicus (SAUSS.), 3♂, 1♀
Afreumenes m. melanosoma (SAUSS.), 5♂, 3♀
Antepipona jocosa tropicaloides G.S., 36♂, 38♀
Antepipona mucronata (SAUSS.), 1♂, 1♀
Anterhynchium aestuans (SAUSS.), 1♂
Anterhynchium synagroides (SAUSS.), 4♂, 6♀
Antodynerus ardens (GUER.), 1♂
Antodynerus multicolor (SAUSS.), 5♂, 1♀
Cyrtolabulus garambensis (BEQU.), 1♂
Delta emarginatum (LINNAEUS), 9♂, 10♀
Delta higletti rendalli (BINGH.), 5♂, 4♀
Delta h. hottentottum (SAUSS.), 6♂, 1♀
Delta tropicalis (SAUSS.), 14♂, 2♀
Eumenes fuelleborneanus langi BEQU., 5♂
Paramischocyttarus buyssoni GRIB., 2♂
Proepipona falcata (TULLGR.), 2♀
Proepipona laterale (FABR.), 1♂, 1♀
Pseudonortonia gambiense (M.W.), 6♂, 5♀
Pseudonortonia soror (KOHL), 1♀
Synagris calida (LINNAEUS), 5♂
Synagris cornuta (LINNAEUS), 1♂, 3♀

Vespidae: det. J. GUSENLEITNER

Belonogaster clypeata KOHL, 1♂
Belonogaster griseus (FABR.), 4♀
Belonogaster junceus (FABR.), 6♀
Belonogaster pusilloides RICH., 9♀

Pompilidae: det. R. WAHIS

Pepsinae:
Auplopus nigroaurantiacus (MAGRETTI), 1♀
Auplopus remipes (ARNOLD), 2♂, 6♀
Auplopus rufocinctus (SMITH), 2♀
Cyemagenia kloofensis (CAMERON), 1♀
Cyemagenia rubrozonata (CAMERON), 1♀
Hemipepsis lineaticollis (CAMERON), 1♂, 1♀

Pompilinae:
Amblyellus willowmorensis (ARNOLD), 1♀
Anoplius morosus (SMITH), 1♀
Batozonellus capensis (DAHLBOM), 1♀
Batozonellus fuliginosus (KLUG), 1♂, 3♀
Episyron histrio (LEPELETIER), 1♀
Episyron nexilis KOHL, 4♂, 9♀
Episyron ornatissimus (RITSEMA), 2♀
Paracyphononyx africanus RAD., 2♂
Paracyphononyx diversus (DAHLBOM), 4♀
Paracyphononyx zonatus (ILLIGER), 3♀
Pompilus cinereus FABRICIUS, 1♂, 9♀
Pygmachus umbratus HAUPT, 1♂
Schistonyx nyassae (DALLA TORRE), 3♀

Ceropalinae:
Ceropales africana MOCZAR, 5♀
Ceropales maroccana de BEAUMONT, 1♂
Ceropales punctulata bulawayoensis BISCHOFF, 2♂

Chrysididae: det. W. LINSENMAIER

Chrysis s. str. *fraudulenta*-group
Chrysis ((Praestochrysis) sp.
Chrysis (Trichrysis) fraterna MOCSARY
Chrysis (Trichrysis) inops nigeriaca LINSENMAIER
Chrysis (Otochrysis) areata MOCSARY
Chrysis (Otochrysis) heymonsi BISCHOFF
Chrysis (Cornuchrysis) sp. *pachystoma*-group
Chrysis (Pyria) lyncea FABRICIUS
Chrysis (Pyria) stilboides SPINOLA
Hedychrum bouyssoni BUYSSON
Hedychrum coelestinum SPINOLA
Hedychridium sp.
Parnopes smaragdinus SMITH
Stilbum cyanurum FORSTER

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W. LINSENMAIER is still working on this material and he will publish more exact information by himself.

Scoliidae: det. Q. ARGAMAN

Aureimeris fasiatella (KLUG), 1 ♂
Campsomeriella dimidiatipennis (SAUSS.), 2 ♂
Campsomeriella senilis (FABRICIUS), 2 ♂
Micromeriella hyalina (KLUG), 3 ♂

G. NONVEILLER, Yugoslavia, is working on the Mutillidae, Q. ARGAMAN, Israel, is working on Tiphiidae and M. SCHWARZ, Austria, got my Apoidea.

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