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Catalogue of the Hymenoptera in the Natuurmuseum Rotterdam; part I: Introduction & Aculeata of the Ethiopean, Oriental and Australian regions

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The Hymenoptera aculeata from the Ethiopean, Oriental and Australian regions, present in the collection of the Natuur museum Rotterdam are catalogued. This is the first part in a series of catalogues dealing with all the Hymenoptera in the collection.

De in het Natuur museum Rotterdam aanwezige Bijen, Wespen en Mieren (Hymenoptera of vleugeligen) worden gecatalogiseerd. In dit eerste deel worden de angeldragende soorten (Aculeata) uit het Ethiopische (Afrika beneden de Sahara), het Oriëntale (Zuidoost Azië) en het Australische faunagebied behandeld.

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Keywords: Hymenoptera, Aculeata, Ethiopean region, Oriental region, Australian region.

INTRODUCTION

In the collection of the Natuur museum Rotterdam (NMR) (Natural History Museum Rotterdam) an interesting collection of Hymenoptera is present (about 75.000 specimens). To have better access to the collection and to make the contents better known to specialists, the species will be catalogued. Most of the specimens are identified, but there is also a considerable amount of unidentified specimens.

The catalogue will be published in separate issues, which are provisionally scheduled as follows:

part 1: Hymenoptera. Introduction & Aculeata of Ethiopean, Oriental and Australian regions.

part 2: Hymenoptera aculeata. Neotropical and Nearctic regions.

part 3: Hymenoptera aculeata. Palaearctic region.

part 4: Hymenoptera symphyta & parasitica. Palaearctic region.

part 5: Hymenoptera symphyta & parasitica. Non-palaearctic regions.

METHODS & MATERIAL

The Hymenoptera collection is built up during the years since the foundation of this museum in 1927. Important parts of the collection are formed by the large Lindemans-collection with many Neotropical Aculeata and the collection of Aculeata, collected by mr. Pijfers. Especially in the years before 1979 much time was spent in improving the Aculeata collection by the late mr. J.P. van Lith. No revisional work has been done since on this material.

The catalogue will list the names as given in the collection. The family-names are accord-

ing to Goulet & Houber (1993) and species names are given in alphabetical order. The countries the material originates from are given according to their present names. Type-material in this part of the NMR-collection is restricted to the Oriental Vespidae. It concerns paratypes of the following taxa, all authored by v. d. Vecht: *Allorhynchium concolor* (Fig. 1), *Antherhynchium flavomarginatum flavonigrans* (Fig. 2), *Cyrtolabus suavis* and *Labus pusillum*.

As the author is not an expert in Hymenoptera, specialists are invited to send their remarks on possible synonymy, etcetera.

CATALOGUE

ETHIOPEAN REGION

CHRYSIDIDAE

Chrysis lyncea F.

MALAWI

Chrysis virescens Brullé

MALAWI

Stilbum cyanurum Först

MOZAMBIQUE

Stilbum cyanurum amethystina F.

EGYPT

MUTILLIDAE

Mutilla guineensis F.

MALAWI, TANZANIA

SCOLIIDAE

Campsomeris coelebs Sichel

MALAWI, NAMIBIA

VESPIDAE

Belonogaster griseus F.

CAMEROON

Belonogaster guerini Sauss.

MADAGASCAR

Eumenes lepeletieri Sauss.

NAMIBIA

Eumenes lepeletieri concinnus Sauss.

NAMIBIA

Eumenes lepeletieri hottentottus Sauss.

NAMIBIA

Polybioides tabida F.

CAMEROON

Synagris analis Sauss.

CAMEROON, ZAMBIA

Synagris cornuta L.

CAMEROON

Synagris mirabilis Guérin

MALAWI

Zethus spec.

NAMIBIA

FORMICIDAE

Dorylus fimbriatus (Shuckars)

CAMEROON

Dorylus spec.

MALAWI, S. AFRICA, CAMEROON, TANZANIA

SPHECIDAE

Psammophila tydei capensis Lep.

NAMIBIA

Sceliphron brachystyle Kohl

CAMEROON

Sphex (Isodontia) peloponiformis Dhlb.

CAMEROON, MALAWI

Sphex (Harpactopus) tyrannus Smith

NAMIBIA

Sphex (Chlorion) xanthocerus* Ill.**Tachytes mira* Kohl****NYSSONIDAE*****Bembex capensis* Lep.*****Gorytes natalensis* Smith*****Stizus fuscipennis* Smith****PHILANTIDAE*****Philanthus triangulum diadema* F.*****Philanthus spec.*****FIDELIIDAE*****Fidelia paradoxa* Friese****MEGACHILIDAE*****Anthidium abdominalis* Friese*****Megachile bombiformis* Gerst.*****Megachile maxilosa* Gudr.*****Megachile tithonus* Sn.*****Megachile volkmanni* Friese****ANTHOPHORIDAE*****Anthophora acraensis* F.*****Anthophora acraensis albocaudata* Dours*****Anthophora caerulea* Friese*****Anthophora flavicollis* Gerst.*****Anthophora niveata* Friese*****Anthophora nubica* Lep.*****Anthophora velutina* Friese*****Anthophora vividula* Smith*****Crocisa africana* Rad.*****Tetralonia minuticornis* Friese*****Xylocopa albiceps neglecta* Ritsema*****Xylocopa caffra* L.*****Xylocopa carinata fulvopilosa* Friese*****Xylocopa flavorufa* Deg.*****Xylocopa lepeletieri* Enderl.*****Xylocopa nigrita* F.*****Xylocopa olivacea* Smith*****Xylocopa pubescens* Spin.*****Xylocopa torrida* Westw.****APIDAE*****Apis adansonii* Latr.****ORIENTAL & AUSTRALIAN REGION****CHRYSIDIDAE*****Chrysis oculata* F.*****Chrysis principalis* Smith*****Stilbum cyanurum* Forst*****Stilbum cyanurum* var. *amethystina* F.****MALAWI****MALAWI****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****CAMEROUN****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****MALAWI****NAMIBIA****CAMEROUN****CAMEROUN, MALAWI****NAMIBIA****CAMEROUN****ETHIOPEA****CAMEROUN****NAMIBIA****CAMEROUN****CAMEROUN, MALAWI****CAMEROUN****EGYPT****CAMEROUN****NAMIBIA****CAMEROUN****PACIFIC ISLANDS****PERU****PHILIPPINES****TAIWAN****SRI LANKA****SUMATRA****SUMATRA, SRI LANKA, S. INDIA****W. JAVA**

MUTILLIDAE

<i>Mutilla attenuata</i> Smith	JAVA
<i>Mutilla argenteomaculata</i> Smith	S. INDIA
<i>Mutilla indostana</i> Smith	S. INDIA
<i>Mutilla sexmaculata</i> Swed.	S. INDIA

POMPILIDAE

<i>Aporus cotesi</i> Cam.	S. INDIA
<i>Batazanus ashmead</i> Bingham	S. INDIA
<i>Chryphononyx flavus</i> Banks	S. INDIA
<i>Chryphononyx fulgidipennis</i> Sauss.	S. INDIA
<i>Hemipepsis aureosericeus</i> Guérin	SUMATRA
<i>Hemipepsis ceylonica</i> Sauss.	JAVA
<i>Hemipepsis coeruleopennis</i> Sauss.	S. INDIA
<i>Hemipepsis ducalis</i> Smith	JAVA
<i>Hemipepsis fervidissimus</i> D.T.	JAVA
<i>Hemipepsis fulvipennis</i> Bingham	S. INDIA
<i>Hemipepsis gigas</i> Taschenberg	JAVA
<i>Hemipepsis obsoletus</i> Sauss.	S. INDIA
<i>Hemipepsis perplexus</i> Smith	S. INDIA
<i>Macromeris splendida</i> Lep.	JAVA
<i>Macromeris violacea</i> Lep.	SUMATRA
<i>Monodontonyx aspasia</i> Smith	TANIMBAR ISL
<i>Monodontonyx bipartitus</i> Lep.	JAVA
<i>Monodontonyx festivus</i> Banks	JAVA
<i>Monodontonyx javanus</i> Lep.	JAVA
<i>Monodontonyx madraspatanus</i> Smith	SUMATRA
<i>Monodontonyx sericosomus</i> Smith	JAVA
<i>Mygnimia aviculus</i> Sauss.	JAVA
<i>Paracyphononyx pedestris</i> Smith	W. JAVA
<i>Paragenia argentifrons</i> Smith	JAVA
<i>Platyderes circe</i> Cam.	S. INDIA
<i>Pompilus analis</i> F.	S. INDIA
<i>Pompilus biocarlatus</i> Bingham	SUMATRA
<i>Pompilus mitis</i> Smith	S. INDIA
<i>Pompilus unifasciatus</i> Smith	S. INDIA
<i>Pompilus vittiosus</i> Smith	S. INDIA
<i>Priocnemis albiplagiata</i> Smith	JAVA
<i>Pseudagenia aegina</i> Smith	S. INDIA
<i>Pseudagenia aegina</i> var. <i>ater</i> Haupt	W. JAVA
<i>Pseudagenia alaris</i> Sauss.	S. INDIA
<i>Pseudagenia blanda</i> Guérin	W. JAVA, SUMATRA
<i>Pseudagenia callisto</i> Smith	W. JAVA
<i>Pseudagenia clypeata</i> Bingham	S. INDIA
<i>Pseudagenia juno</i> Cam.	S. INDIA
<i>Pseudagenia tincta</i> Smith	S. INDIA
<i>Salius iridipennis</i> Smith	JAVA
<i>Salius rithneyi</i> Cam.	S. INDIA

SCOLIIDAE

<i>Campsomeris asiatica</i> Klug.	W. JAVA
<i>Campsomeris aureicollis</i> Lep.	W. JAVA
<i>Campsomeris collaris</i> F.	S. INDIA
<i>Campsomeris defectiva</i> Betrem	AMBON
<i>Campsomeris habrocoma</i> Smith	W. JAVA
<i>Campsomeris indica</i> Sauss.	JAVA
<i>Campsomeris javana</i> Lep.	W. JAVA
<i>Campsomeris limbata</i> Sauss.	W. JAVA
<i>Campsomeris lindenii</i> Lep.	W. JAVA
<i>Campsomeris lindenii</i> var. <i>buitenzorgi</i> Betrem	W. JAVA
<i>Campsomeris marginella</i> Klug.	S. INDIA
<i>Campsomeris micans diversipennis</i> Grib.	AMBON
<i>Campsomeris phalerata</i> Sauss.	SUMATRA
<i>Campsomeris quadrifasciata</i> Betrem	SUMATRA
<i>Campsomeris quadriguttulata</i> Burm.	SUMATRA
<i>Campsomeris reticulata</i> Cam.	S. INDIA
<i>Campsomeris sumatrensis</i> ssp. <i>dohrni</i> Mant.	W. JAVA
<i>Campsomeris vanoordti</i> Betrem	S. INDIA
<i>Scolia arnicola</i> Betrem	AMBON
<i>Scolia aureipenniformis</i> Betrem	S. INDIA
<i>Scolia azurea</i> Christ	JAVA
<i>Scolia azurea</i> var. <i>intermedia</i> Betrem	W. JAVA
<i>Scolia azurea</i> var. <i>rubiginosa</i> F.	W. JAVA, S. INDIA
<i>Scolia crythrosoma</i> Burm.	SUMATRA
<i>Scolia deliensis</i> Betrem	JAVA
<i>Scolia erratica</i> Smith	JAVA
<i>Scolia jurinei</i> Sauss.	S. INDIA
<i>Scolia melanosoma</i> Sauss.	W. JAVA
<i>Scolia monticola</i> Betrem	JAVA
<i>Scolia monticola</i> var. <i>campsomeriformis</i> Betrem	JAVA
<i>Scolia obscuropunctata</i> Betrem	S. INDIA
<i>Scolia opalina</i> ssp. <i>brevicornis</i> Sauss.	W. JAVA
<i>Scolia peradenicensis</i> Betrem	S. INDIA
<i>Scolia picteti</i> Sauss.	S. INDIA
<i>Scolia procer</i> Ill.	JAVA
<i>Scolia quadripustulata</i> F.	AUSTRALIA (VICTORIA)
<i>Scolia quadripustulata</i> var. <i>bipunctata</i> Klug.	S. INDIA
<i>Scolia ruficeps</i> Smith	W. JAVA
<i>Scolia saussurei</i> Gribodo	NEW GUINEA
<i>Scolia scutellaris</i> Gribodo	MINDANAO
<i>Scolia vandervechti</i> Betrem	W. JAVA
<i>Scolia velutina</i> Sauss.	AMBON
<i>Scolia vollenhovi</i> Sauss.	JAVA

VESPIDAE

<i>Allorhynchium concolor</i> v.d.Vecht	JAVA [4 paratypes] Fig. I
<i>Allorhynchium vollenhovi</i> (Sauss.)	JAVA
<i>Antepipona brunnipes</i> (F.)	SUMATRA
<i>Antherhynchium flavomarginatum</i> <i>flavonigrans</i> v.d. Vecht	W. JAVA [2 paratypes]
<i>Cyanopterus zethus</i> F.	JAVA

<i>Cyrtolabus suavis</i> v.d.Vecht	S. INDIA [2 paratypes] Fig. 2
<i>Dirychium flavolineatum</i> (Smith)	W. JAVA
<i>Eumenes architectus</i> Smith	SUMATRA
<i>Eumenes arcuata</i> F.	SUMATRA, TANIMBAR ISL.
<i>Eumenes arcuata amboiniensis</i> v.d.Vecht	AMBON
<i>Eumenes arcuata</i> var. <i>blanchardi</i> Sauss.	W. JAVA
<i>Eumenes arcuata</i> var. <i>flavopicta</i> Blanch.	S. INDIA, SRI LANKA
<i>Eumenes bicincta</i> Sauss.	AUSTRALIA (VICTORIA)
<i>Eumenes conica</i> F.	S. INDIA
<i>Eumenes esuriens</i> F.	S. INDIA
<i>Eumenes punctata</i> Sauss.	S. INDIA
<i>Eumenes pyriformis</i> F.	S. INDIA, SIKKIM, AMBON
<i>Eumenes pyriformis</i> var. <i>cincinalis</i> F.	W. JAVA
<i>Gribodia confluenta</i> (Smith)	W. JAVA
<i>Labus pusillum</i> v.d.Vecht	S. INDIA [3 paratypes]
<i>Odynerus fragilis</i> Smith	SUMATRA
<i>Parabolybia meadeana</i> Schulth.	SUMATRA
<i>Pareumenes depressa</i> Sauss.	JAVA
<i>Parischnogaster mellyi</i> Sauss.	W. JAVA
<i>Parischnogaster striatulus</i> Buysson	SUMATRA
<i>Polistes confusus</i> Smith	TAIWAN
<i>Polistes diabolicus</i> Sauss.	JAVA
<i>Polistes hebraeus</i> F.	JAVA
<i>Polistes sagittarius</i> Sauss.	SUMATRA, JAVA
<i>Polistes stigma</i> F.	S. INDIA
<i>Polistes tenebricosus hoplites</i> Sauss.	SUMATRA
<i>Polybioides raphigastra</i> Sauss.	SUMATRA
<i>Provespa ashmead dorylloides</i> Sauss.	SUMATRA
<i>Pseudozumia indica</i> Sauss.	JAVA
<i>Rhynchium argentatum</i> F.	S. INDIA
<i>Rhynchium brunneum</i> F.	S. INDIA, SRI LANKA, TANIMBAR ISL.
<i>Rhynchium haemorrhoidale</i> F.	JAVA, SUMATRA
<i>Rhynchium metallicum</i> Sauss.	S. INDIA
<i>Rhynchium nitidulum</i> F.	S. INDIA
<i>Ropalidia artifex</i> Sauss.	SUMATRA, S. INDIA
<i>Ropalidia cyathiformis</i> F.	JAVA
<i>Ropalidia ferruginea</i> F.	SUMATRA, S. INDIA
<i>Ropalidia flavopicta</i> Smith	SUMATRA
<i>Ropalidia malayana</i> var. <i>erythropsila</i> Cam.	SUMATRA
<i>Ropalidia marginata</i> Lep.	S. INDIA
<i>Ropalidia picta</i> Sauss.	SUMATRA
<i>Ropalidia sumatrae</i> Weber	SUMATRA
<i>Stenogaster micans</i> Sauss.	SUMATRA
<i>Vespa affinis</i> F.	SUMATRA
<i>Vespa affinis moluccana</i> v.d.Vecht	AMBON
<i>Vespa analis</i> F.	W. JAVA
<i>Vespa luctuosa</i> var. <i>borneensis</i> Bequart	SUMATRA
<i>Vespa tropica</i> L.	W. JAVA
<i>Vespa tropica haematodes</i> Bequart	S. INDIA
<i>Vespa tropica trimeres</i> v.d.Vecht	SULAWESI

Vespa tropica trisignata Pér.
Vespa velutina Lep.

AMBON
 W. JAVA

FORMICIDAE

<i>Camponotus gigas</i> Latr.	SUMATRA
<i>Camponotus mistura</i> Smith	SUMATRA
<i>Carebara lignata</i> Westwood	W. JAVA
<i>Cleranoplus mucronatus</i> Smith	SUMATRA
<i>Cremastogaster brevidentata</i> Vich.	SUMATRA
<i>Cremastogaster inflata</i> Smith	SUMATRA
<i>Dolichoderus affinis</i> Em.	SUMATRA
<i>Echinopla melanarctos</i> Smith	SUMATRA
<i>Odontomalus rixosus</i> Smith	SUMATRA
<i>Polyrhachis bihamata</i> Drury	SUMATRA
<i>Polyrhachis mayri</i> Rog.	SUMATRA
<i>Polyrhachis proxima</i> Rog.	SINGAPORE
<i>Prenolepis longicornis</i> Latr.	SUMATRA

AMPULICIDAE

<i>Ampulex compressa</i> F.	S. INDIA
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SPHECIDAE

<i>Ammophila atripes</i> Smith	S. INDIA, W. JAVA
<i>Ammophila humbertiana</i> Sauss.	S. INDIA
<i>Ammophila laevigata</i> Smith	S. INDIA
<i>Chlorion splendidum</i> F.	S. INDIA
<i>Liris nigripennis</i> Cam.	S. INDIA
<i>Lyroda formosa</i> Smith	SUMATRA[?]
<i>Notogonia jaculatrix</i> Smith	SUMATRA, W. JAVA
<i>Notogonia subtesselata</i> Smith	SUMATRA
<i>Prionyx crudelis</i> (Smith)	S. INDIA
<i>Sceliphron bengalense</i> (Dahlb.)	S. INDIA, SUMATRA, JAVA
<i>Sceliphron coromandelicum</i> Lep.	INDIA
<i>Sceliphron javanum</i> Smith	JAVA, SUMATRA
<i>Sceliphron laetum</i> Smith	TANIMBAR ISL.
<i>Sceliphron madraspatanum</i> (F.)	INDIA, SUMATRA, JAVA, AMBON
<i>Sphecius malayanus</i> Handl.	TANIMBAR ISL
<i>Sphex argentatus</i> F.	AMBON
<i>Sphex aurulentus</i> F.	S. INDIA, SRI LANKA
<i>Sphex diabolicus</i> Smith	S. INDIA
<i>Sphex formosus</i> Smith	AMBON
<i>Sphex lobatus</i> F.	S. INDIA, SIKKIM
<i>Sphex luteipennis</i> Mocs.	AMBON
<i>Sphex maurus</i> Smith	N. SULAWESI, AMBON
<i>Sphex moroso triodon</i> Kohl	JAVA
<i>Sphex ochropterus</i> Kohl	JAVA
<i>Sphex resplendens</i> Kohl	AMBON
<i>Sphex sericeus ferocior</i> v.d.Vecht & Krauben	AMBON
<i>Sphex umbrosus</i> Christ.	S. INDIA, SRI LANKA, SULAWESI
<i>Sphex viduatus</i> Christ.	S. INDIA

<i>Tachytes modesta</i> Smith	INDIA	S. INDIA, SRI LANKA
<i>Tachytes</i> spec.	INDIA	SUMATRA, W. JAVA
<i>Tachysphex erythrogaster</i> Cam.	INDIA	S. INDIA
<i>Theronica zebra</i> Voll.	INDIA	S. INDIA
<i>Xanthopimpla immaculata</i> Marley	INDIA	S. INDIA
CRABRONIDAE		
<i>Crabro</i> spec.	INDIA	S. INDIA
<i>Larra carbonaria</i> Smith	INDIA	SUMATRA
<i>Larra maura</i> (F.)	INDIA	S. INDIA
<i>Larra rufipes</i> Smith	INDIA	W. JAVA
<i>Oxybelus squamosus</i> Smith	INDIA	S. INDIA
NYSSONIDAE		
<i>Bembex borei</i> Handl.	INDIA	S. INDIA
<i>Bembex trepanda</i> Dahlb.	INDIA	S. INDIA
<i>Gorytes alipes</i> Bingham	INDIA	S. INDIA
<i>Nysson rugosus</i> Cam.	INDIA	S. INDIA
<i>Nysson</i> spec.	INDIA	S. INDIA
<i>Stizus biclypeatus</i> Christ.	INDIA	S. INDIA
<i>Stizus prismaticus</i> Smith	INDIA	S. INDIA
<i>Stizus rufescens</i> Smith	INDIA	S. INDIA
<i>Stizus vesiformis</i> (F.)	INDIA	S. INDIA
ANTHOPHORIDAE		
<i>Anthidium orientale</i> Bingham	INDIA	S. INDIA
<i>Anthophora bicincta</i> F.	INDIA	S. INDIA
<i>Anthophora violacea</i> Lep.	INDIA	S. INDIA
<i>Anthophora zonata</i> L.	INDIA	S. INDIA, SUMATRA, W. JAVA
<i>Ceratina hieroglyphica</i> Smith	INDIA	S. INDIA
<i>Ceratina sexmaculata</i> Smith	INDIA	S. INDIA
<i>Ceratina viridissima</i> Dall. Torr.	INDIA	S. INDIA
<i>Crocisa emarginata</i> Lep.	INDIA	W. JAVA
<i>Crocisa histrio</i> F.	INDIA	SRI LANKA
<i>Lithurgus atratus</i> Smith	INDIA	S. INDIA
<i>Megachile atrata</i> Smith	INDIA	SUMATRA[?]
<i>Megachile bicolor</i> F.	INDIA	S. INDIA
<i>Megachile disjuncta</i> F.	INDIA	S. INDIA
<i>Megachile lanata</i> F.	INDIA	S. INDIA
<i>Megachile metathoracica</i> Smith	INDIA	W. JAVA
<i>Megachile quartinae</i> Gribodo	INDIA	S. INDIA
<i>Xylocopa aestuans</i> L.	INDIA	JAVA
<i>Xylocopa amethystina</i> Bingham	INDIA	S. INDIA
<i>Xylocopa aruana</i> Ritsema	INDIA	NEW GUINEA
<i>Xylocopa auripennis</i> Lep.	INDIA	S. INDIA
<i>Xylocopa auripennis iridipennis</i> Lep.	INDIA	JAVA
<i>Xylocopa caerulea</i> F.	INDIA	W. JAVA
<i>Xylocopa collaris</i> Lep.	INDIA	W. JAVA, S. INDIA
<i>Xylocopa confusa</i> Per.	INDIA	SUMATRA
<i>Xylocopa fenestrata</i> F.	INDIA	S. INDIA
<i>Xylocopa flavonigrescens</i> Smith	INDIA	SUMATRA
<i>Xylocopa forbesii</i> Kirby	INDIA	TANIMBAR ISL.

Xylocopa latipes Drury
Xylocopa myops Ritsema
Xylocopa perversa Wiedem.
Xylocopa pubescens Spin.
Xylocopa tenuiscapa Westwood
Xylocopa tranquebarica F.
Xylocopa unicolor Smith
Xylocopa verticalis Lep.

W. JAVA, SUMATRA
SUMATRA
W. JAVA
S. INDIA
S. INDIA, SRI LANKA
S. INDIA
AMBON
S. INDIA

APIDAE

Apis dorsata F.
Apis florea F.
Apis indica F.

W. JAVA, SUMATRA
S. INDIA
SUMATRA

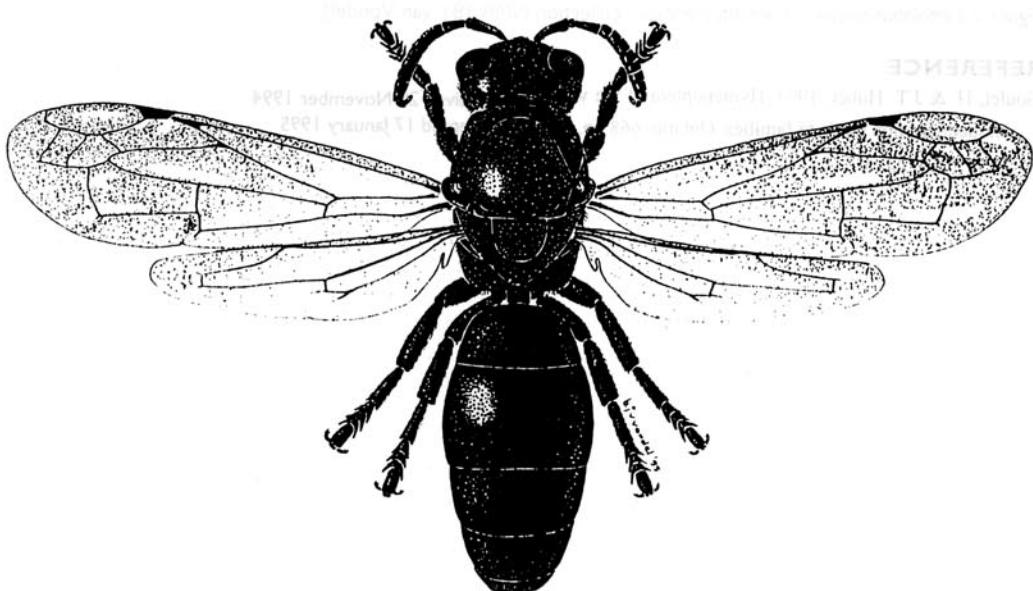


Figure 1 *Allorhynchium concolor* v.d Vecht, paratype, collection NMR; [B.J. van Vondel]

MACROPTOR MUSEUM YACITZIH, JARUTAM 391-392, JAKARTA, INDONESIA
e-mail: mptm@jkt.sch.id, web: macroptor.jkt.id 1001-02-2003 by R.O.W.

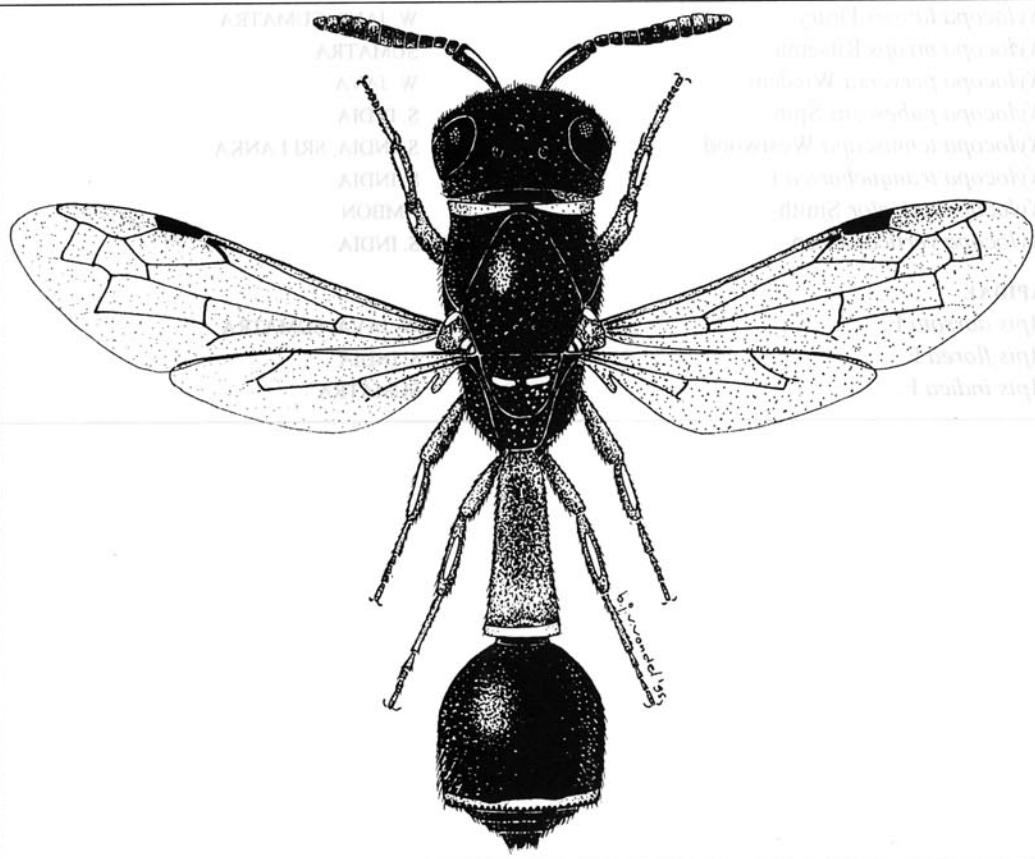


Figure 2 *Cyrtolabus suavis* v.d. Vecht, paratype, collection NMR; [B.J. van Vondel].

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