

Abbildungen von Flügelgeäder der Coleopteren.

Von K. J. W. Bernet Kempers, Haag.

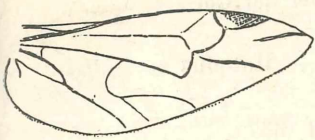
(33 Tafeln mit 792 Figuren.)

Die angegebenen Zahlen bedeuten die Figuren.

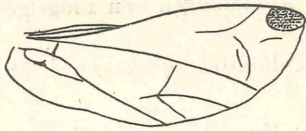
I. Adepghaga.

1. Cicindelidae: *Cicindela cincta* L. 1. — *Odontochila bipunctata* F. 2. — *chrysis* F. 3. — *Pseudoxychila lateguttata* Dej. 4. — *biguttata* Dej. 13. — *Phaeoxantha bifasciata* Brullé 5. — *Tetracha fulgida* Brullé 6. — *spinosa* Brullé 14. — *Pogonostoma nigricans* Klug 7. — *Therates labiatus* F. 8. — *Distypsidera gruti* Pasc. 9. — *Heptodonta analis* F. 10. — *Pentacomia egregia* Chaud. 11. — *Thopectica diana* Thoms. 12. — *Collyris bonnellii* Guér. 15.

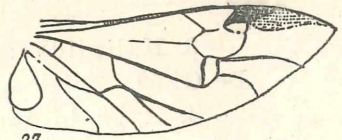
2. Carabidae: *Mormolyce (Mormolycini) phyllodes* Hag. 16. — *Calosoma (Carabini) sycophanta* L. 17. — *reticulatum* F. 53. — *Carabus granulatus* L. 18. — *Leistus (Nebriini) rufescens* F. 19. — *Nebria brevicollis* F. 20. — *Notiophilus (Nctiophilini) aquaticus* L. 21. — *Omophon (Omophonini) limbatus* F. 22. — *Elaphrus (Elaphrini) cupreus* Dfts. 23. — *Lorocera (Lorocerini) pilicornis* F. 24. — *Dysehirus (Scaritini) thoracicus* Rossi 25. — *Clivina fossor* L. 26. — *conexicollis* 54. — *Brosicus (Brosicini) cephalotes* L. 27. — *Tachypus (Bembidiini) flavipes* L. 28. — *Bembidium ustulatum* L. 29. — *Trechus (Trechini) 4-striatus* Schrank 30. — *Calathus (Pterostichini) fuscus* F. 31. — *Platynus ruficornis* Goeze 32. — *Pterostichus vulgaris* L. — *coerulescens* L. 33. — *Amara (Amarini) spreta* Dej. 34. — *Zabrus (Zabrinini) tenebrioides* Goeze 35. — *Harpalus (Harpalini) pubescens* Müll. 36. — *Anisodactylus binotatus* F. 37. — *Dichirotrichus pubescens* Payk. 38. — *Stenolophus mixtus* Herbst 39. — *Acupalpus meridianus* L. 40. — *Badister (Licinini) bipustulatus* F. 41. — *Chlaenius (Chlaeniini) nitidulus* Schrank 42. — *Panagaeus (Panagaeini) crux-major* L. 43. — *Lebia (Lebiini) cyanocephala* L. 51. — *Dromius 4-maculatus* L. 44. — *Odacantha (Odacanthini) melanura* L. 45. — *Brachynus (Brachynini) explodens* Dfts. 46. — *Catascopus angulatus* Chaud. 47. — *Ophionea interstitialis* 48. — *Dendrocellus geniculatus* 50. — *Colpodes sp.* 52. — *Trichoglottus punctilabris* Mac Leay 55. — *Platymetopus puncticollis* Bosc 56.



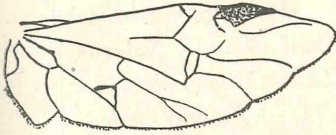
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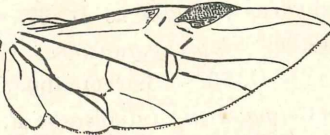
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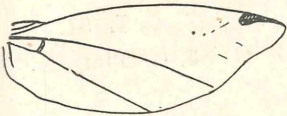
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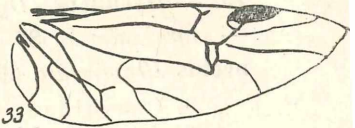
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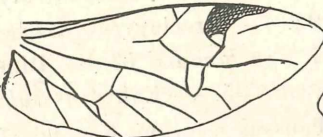
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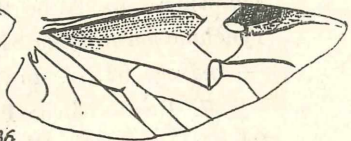
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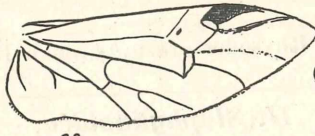
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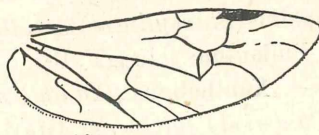
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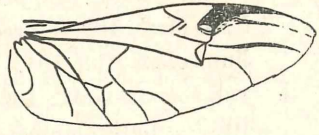
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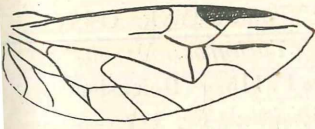
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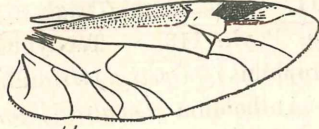
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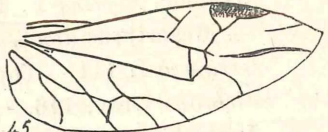
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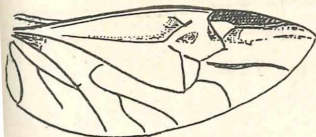
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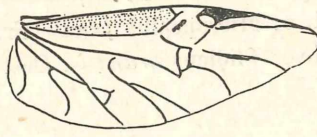
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C*

3. Haliplidae: *Peltodites caesus* Dfts. 58. — *Haliplus ruficollis* De G. 59.

4. Hygrobiidae: *Hygrobia tarda* Herbst 64, 65.

5. Dytiscidae: *Hydroporus (Hydroporini) dorsalis* F. 69. — *pictus* F. 70. — *Hyphydrus ferrugineus* L. 67. — *Hygrotus versicolor* Schall 68. — *Coelambus impressopunctatus* Schall. 71. — *Noterus (Noterini) clavicornis* De G. 73. — *Laccophilus (Laccophilini) obscurus* Panz. 72. — *Ilybius (Colymbetini) fuliginosus* F. 74. — *Agabus chalconotus* Panz. 75. — *femorialis* Payk 76. — *Euneetus sticticus* 77. — *Rhantus (Colymbetini) punctatus* Fourc 78. — *Colymbetes fuscus* L. 79. — *Hydaticus (Dytiscini) vittatus* 84. — *Dytiscus latissimus* L. 81. — *marginalis* L. 82. — *Cybister laterimarginalis* De G. 83. — *Platyneetus 10-punctata* 66. — *Aeilus sulcatus* L. 80

6. Gyrinidae: *Gyrinus (Gyrinini) sp.* 88. — *natator* L. 89. — *marinus* Gyll. 90. — *Orectochilus (Orectochilini) villosus* Müll. 91. — *marginipennis* Aubé 92. — *Orectogyrus congoensis* 86. — *Porrhorynchus marginatus* 87. — *landaisi* 63. — *Dineutus subspinosus* 61. — *indicus* 62. — *australis* 85. — *Enhydrus sulcatus* 93.

7. Paussidae: *Paussus cervinus* Kraatz 57. — *armatus* Westw. 94. — *spinicoxis* Westw. 95. — *hova* Dohrn 60. — *cucullatus* Westw. 96. — *Cerapterus horsfieldi* Westw. 97. — *Paussomorphus chevrolati* Westw. 98.

8. Rhysodidae: *Rhysodes exaratus* (nach Redtenbacher) 99.

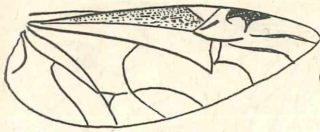
II. Staphylinoidea.

9. Staphylinidae: *Aleochara (Aleocharini) lanuginosa* Grav. 100. — *Tachynus (Tachyporini) flavipes* F. 101. — *Quedius (Quediini) mesomelinus* Mrsh. 102. — *Creophilus (Staphylinini) maxillosus* L. 103. — *Staphylinus olens* Müll. 104. — *Philonthus politus* F. 105. — *Cafius (Staphylinini) xantholoma* Grav. 106. — *Xantholinus (Xantholini) punctulatus* Payk. 107. — *Lathrobium (Paederini) fulvipenne* Grav. 108. — *Stenus (Stenini) bipunctatus* Er. 109. — *Oxyporus (Oxyporini) rufus* L. 110. — *Oxytelus rugosus* F. 111. — *Omalium (Omaliini) rivulare* Payk. 112. — *Megarthritis depressus* Payk. 113. — *Tachynus (Tachyporini) subterraneus* L. 114. — *Coprophilus (Oxytelini) striatulus* F. 115. — *Deleaster dichrous* Grav. 116. — *Anthobium (Omaliini) longipenne* Er. 117. — *Leptocheirus unicolor* Er. 118. — *Trigonurus sp.* 119.

10. Pselaphidae: *Reichenbachia helferi* Schmidt 122.

11. Micropeplidae: *Micropeplus fulvus* Er. 123.

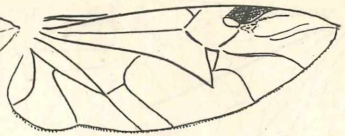
12. Scydmaenidae: *Clidicus grandus*. Casteln. 124.



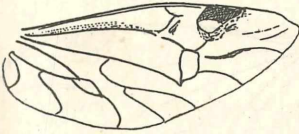
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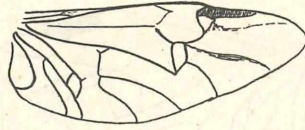
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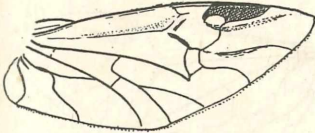
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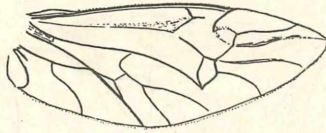
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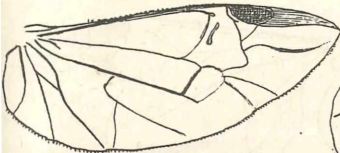
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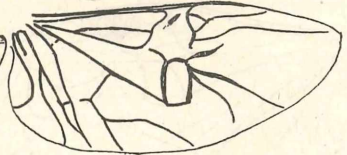
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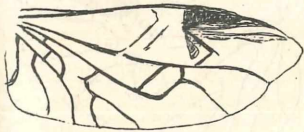
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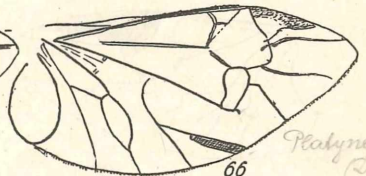
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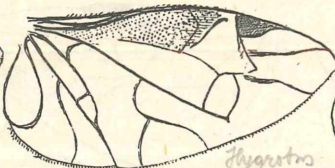
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Platynus



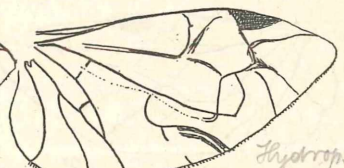
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Hypogonus



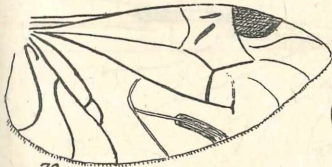
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Hypogonus



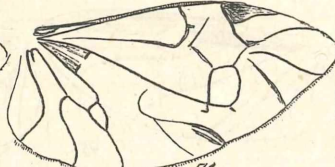
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Hypogon. d.



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Hypogon

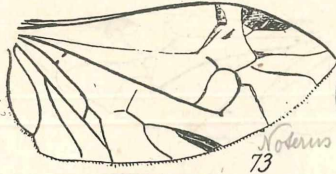


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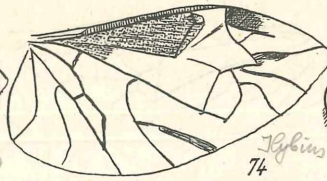


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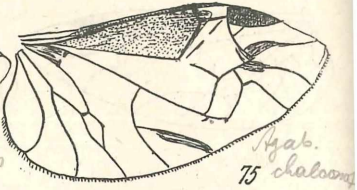
Hypogon



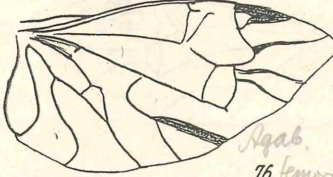
Agabus
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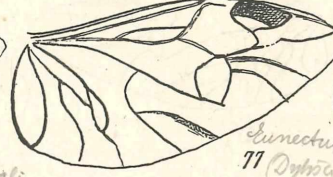
Hybicus
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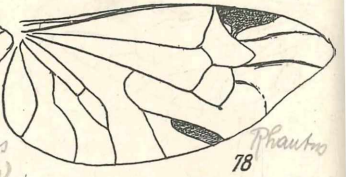
Agab. chalcid.
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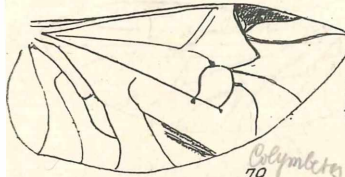
Agab. femoralis
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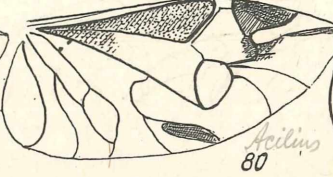
Eumectus (Dytisc)
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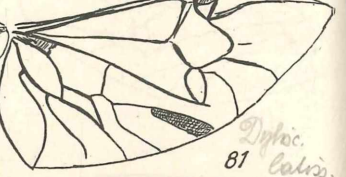
Phantro
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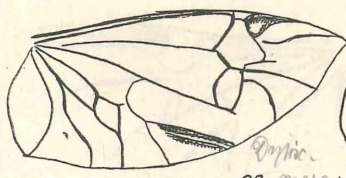
Polymeris
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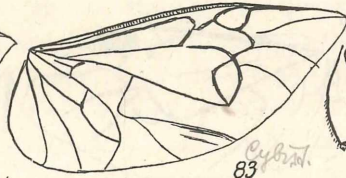
Acilins
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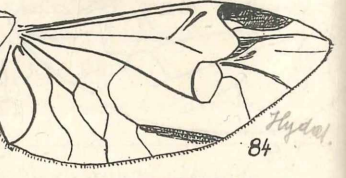
Dytisc. latris.
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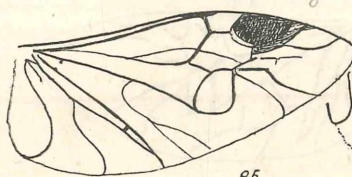
Dytisc. morg.
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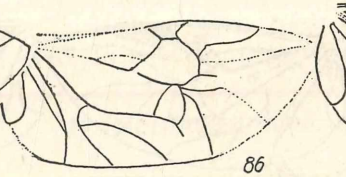
Subst.
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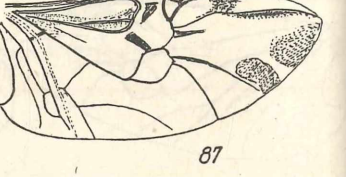
Hydral.
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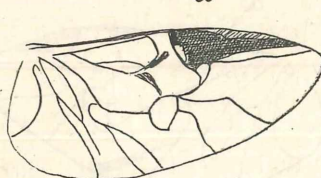
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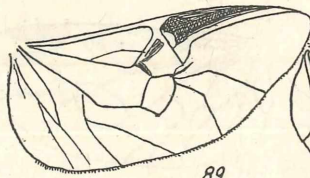
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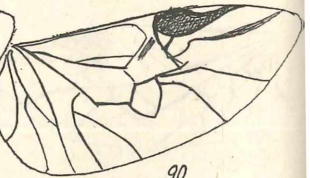
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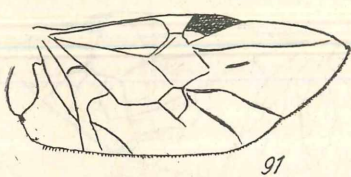
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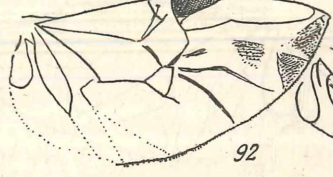
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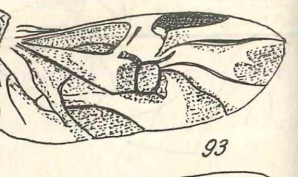
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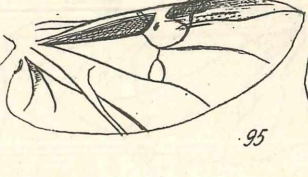
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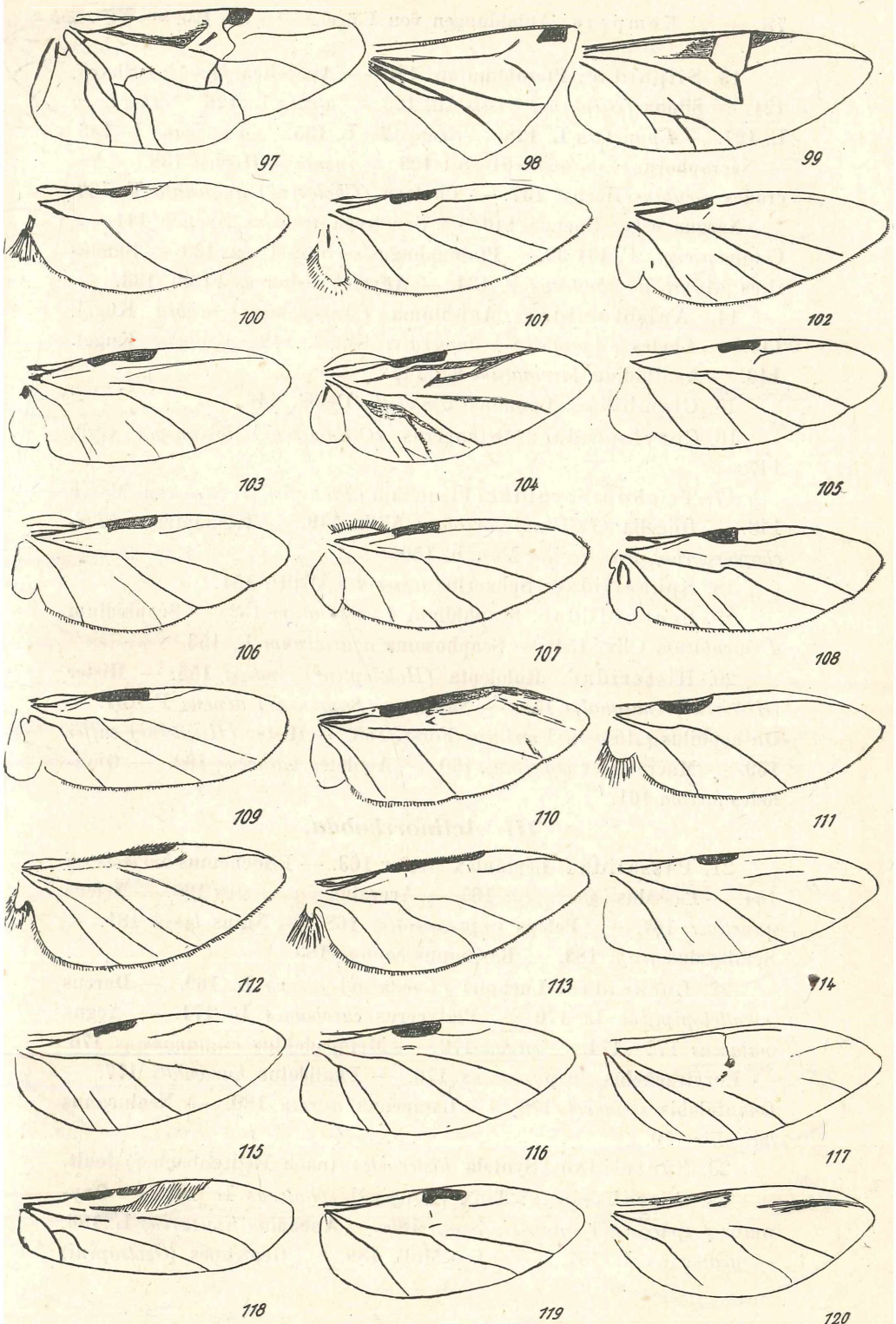
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13. Silphidae: **Pteroloma** sp. 120. — *Apatetica javanica* Sharp. 121. — *Silpha (Silphini) tristis* Ill. 125. — *atrata* L. 126. — *thoracica* L. 127. — *4-punctata* L. 128. — *discicollis* L. 135. — *americana* L. 136. — *Necrophorus vespilloides* Herbst 129. — *insularis* Herbst 138. — *Necrodes osculans* Herbst 137. — *Choleva (Cholevini) angustata* F. 130. — *Nargus velox* Spence 140. — *Sciodrepa watsoni* Spence 141. — *Catops picipes* F. 131/32. — *Ptomaphagus sericeus* Panz. 139. — *Sphaerites (Agyrini) glabratus* F. 134. — *Agyrtes castaneus* Fröhl. 133.

14. Anisotomidae: **Anisotoma (Anisotomini) dubia** Kugel. 145. — **Liodes (Agathidini) humeralis** Kugel. 142. — *glaber* Kugel. 143. — **Agathidium laevigatum** Er. 144.

15. Clambidae: **Clambus armadillo** De G. 146.

16. Corylophidae: **Orthoperus (Orthoperini) brunnipes** Gyll. 147.

17. Trichopterygidae: **Ptenidium (Ptenidiini) evanescens** Marsh 148. — **Oligella (Ptiliini) foveolata** Allib. 149. — **Trichopteryx (Trichopterygini) grandicollis** Mannh. 150.

18. Sphaeriidae: **Sphaerius acaroides** Waltl. 151.

19. Scaphidiidae: **Scaphidium 4-pustulatum** 152. — **Scaphidium 4-maculatum** Oliv. 154. — **Scaphosoma agaricinum** L. 153.

20. Histeridae: **Hololepta (Hololeptini) indica** 155. — **Hister (Histerini) inaequalis** 156. — **Saprinus (Saprinini) aeneus** F. 157. — **Onthophilus (Abraeini) striatus** Forst. 158. — **Hister (Histerini) caffer** 159. — **Macrohister maximus** 160. — **Apoletes foliaceus** 162. — **Omalodes foveola** 161.

III. Actinorrhabda.

21. Passalidae: **Leptaulax bicolor** 163. — **Eriocnemus burmeisteri** 164. — **Passalus interruptus** 165. — **Aceraius marginatus** 166. — **Neleus punctiger** 167. — **Pelops impressicollis** 168. — **Ninus bergi** 181. — **Semieyelus grayi** 182. — **Basilianus cantori** 183.

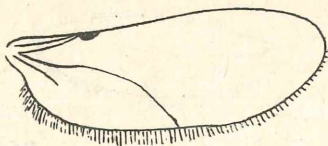
22. Lucanidae: **Lucanus (Lucanini) cervus** L. 169. — **Dorcus parallelopipedus** L. 170. — **Platyceus caraboides** L. 171. — **Aegus malaccus** 172—174. — **ogivus** 173. — **Metopodontus cinnanomeus** 175. — **Eurytrachelus purpurascens** 176. — **Pholidotus humboldti** 177. — **Odontolabis sommeri** 178. — **Lamprima aurata** 180. — **Neolucanus laticollis** 179.

23. Syntelidae: **Syntela histeroidea** (nach Redtenbacher) fehlt.

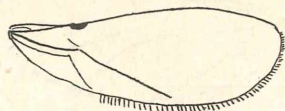
24. Scarabaeidae: **Trox (Trogini) sabulosus** L. 184. — **Oxyomus (Aphodiini) sylvestris** Scop. 185. — **Aphodius fimetarius** L. 186. — **granarius** L. 187. — **rufus** Mull. 188. — **Geotrupes (Geotropini)**



121



122



123



124



125



126



127



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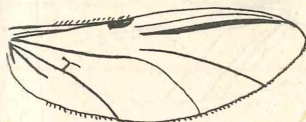
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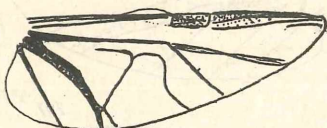
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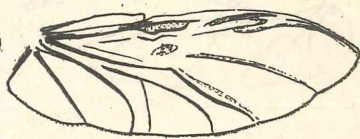
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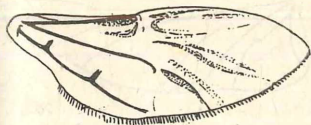
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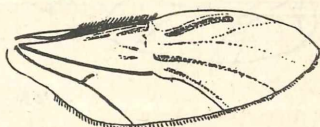
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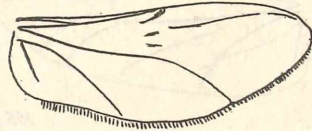
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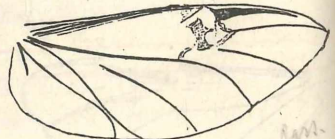
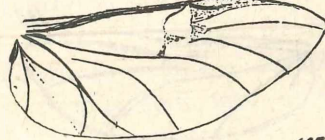
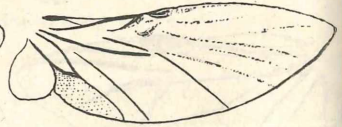
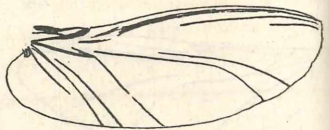
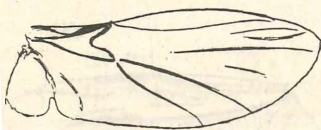
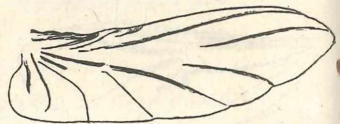
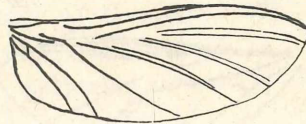
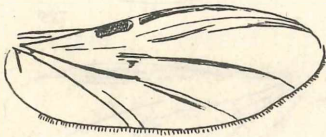
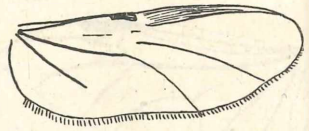
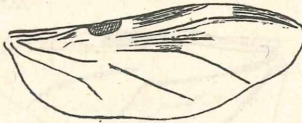
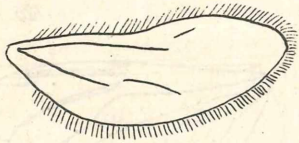
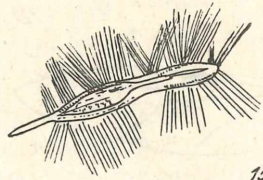
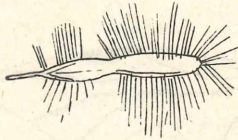
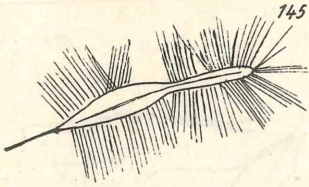
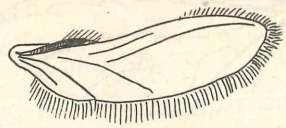
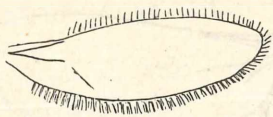
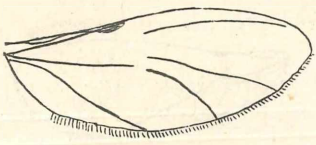


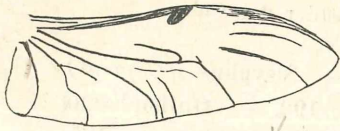
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Homaphysus

gibberipes

Liodu glabra

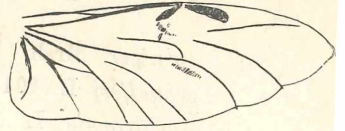




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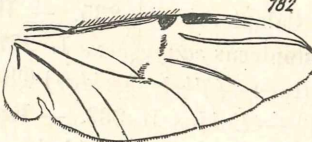
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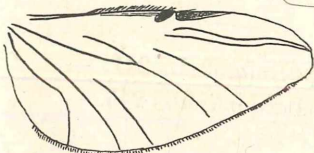
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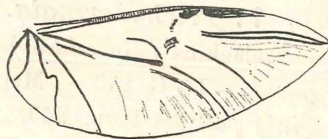
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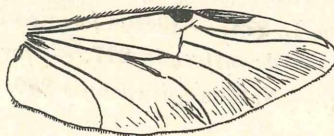
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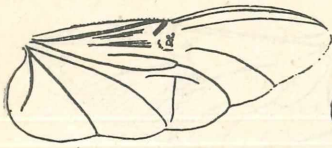
30. Cantharidae: (*Thelephoridae*) *Thelephorus* (*Thelephorini*) *rusticus* Fallen 238. — *lividus* L. 239. — *Rhagonycha atra* L. 240. — *Malthinus fasciatus* Ol. 244. — *Callianthia basalis* M. L. 228. — *Ichthyurus* sp. 246.

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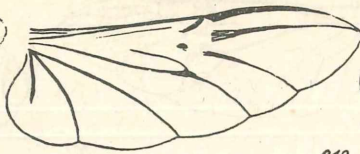
31. Melyridae: *Malachius* (*Malachiini*) *bipustulatus* L. 241. — *Dasytes* (*Dasytini*) *coeruleus* De G. 242. — *Melyrus abdominalis* 245. — *Danacaena* (*Danacaeini*) *pallipes* Panz. 243.

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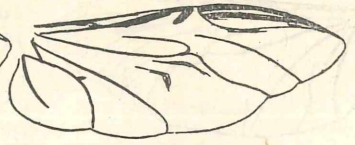
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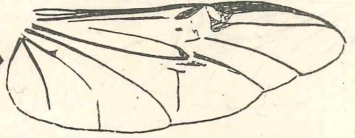
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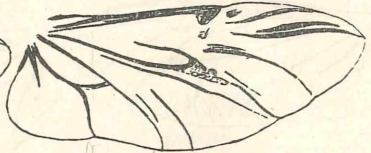
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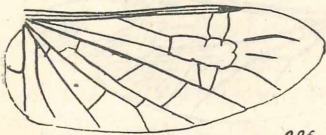
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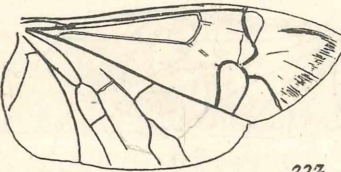
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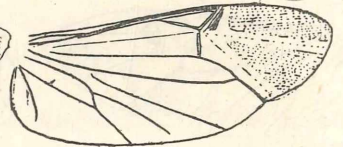
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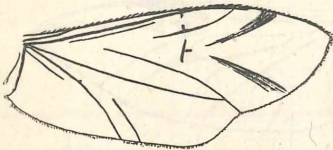
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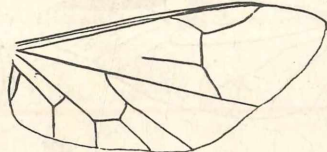
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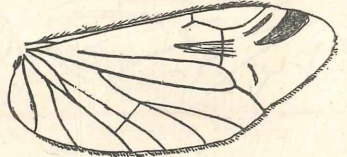
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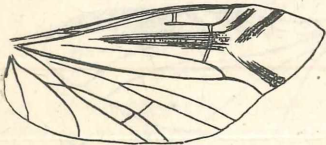
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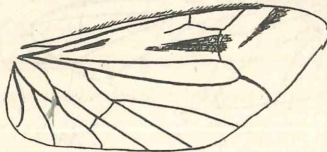
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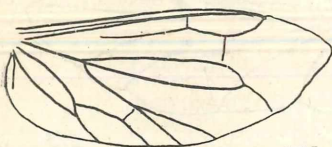
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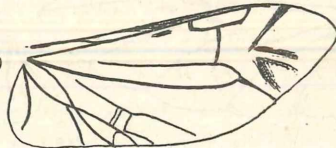
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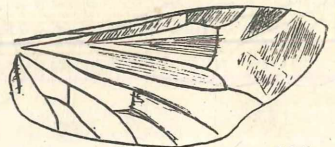
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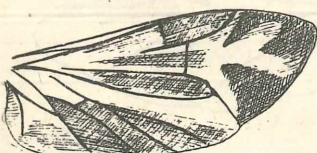
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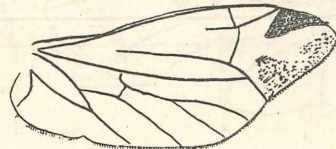
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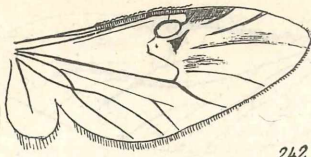
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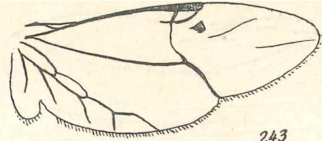
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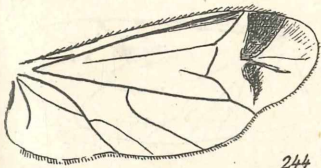
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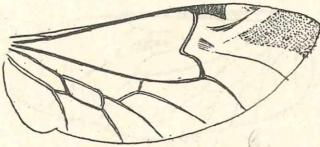
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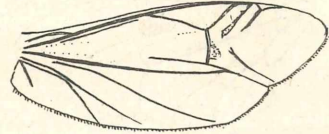
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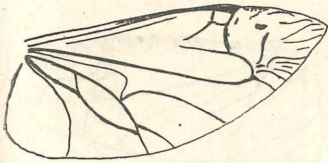
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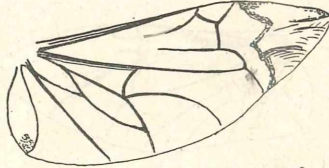
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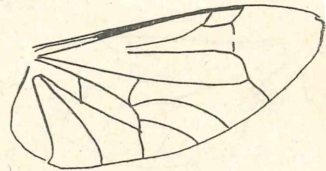
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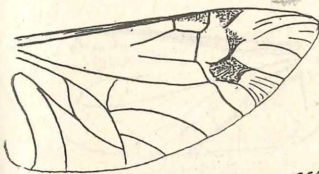
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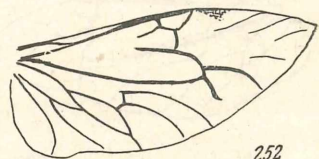
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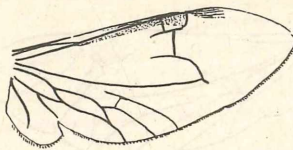
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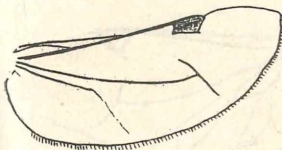
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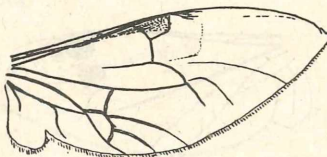
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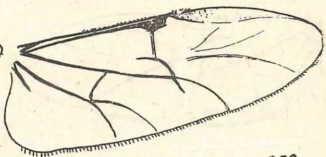
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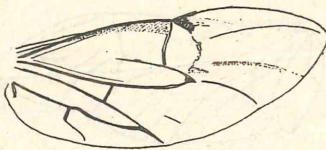
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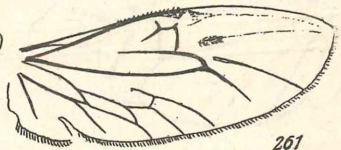
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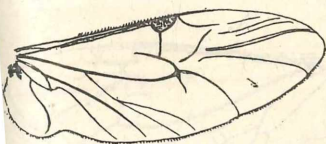
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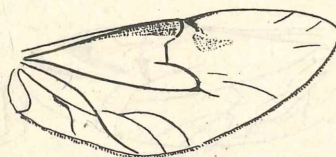
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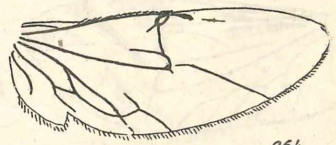
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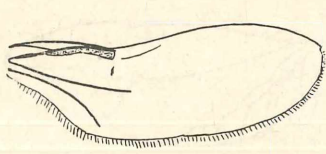
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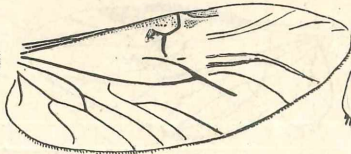
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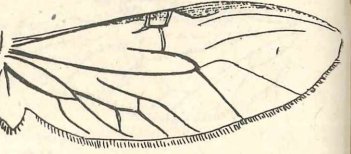
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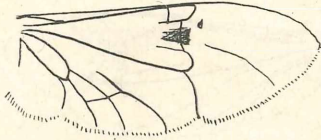
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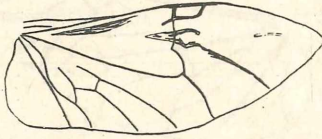
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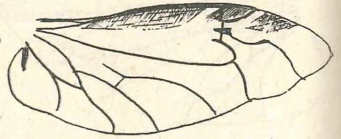
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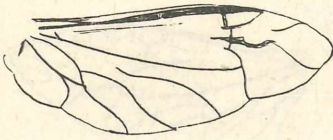
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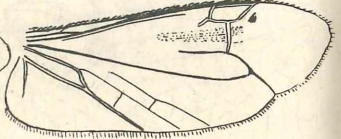
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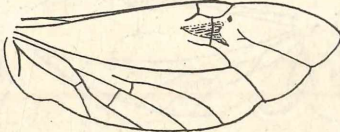
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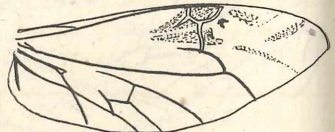
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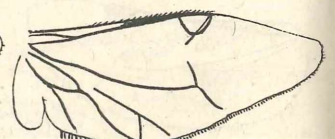


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Dasilobophan minor



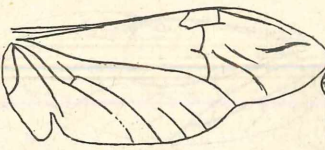
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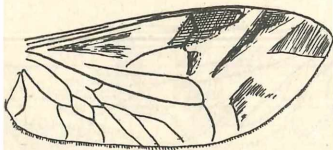
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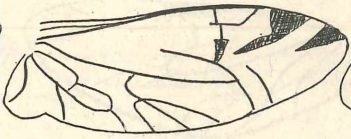
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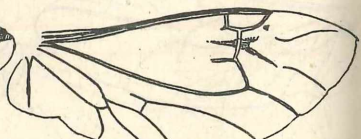
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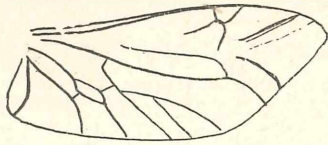
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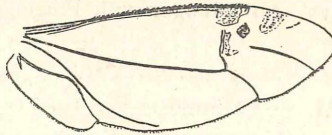
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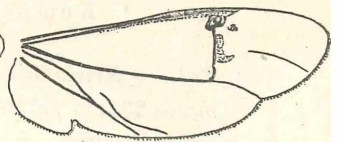
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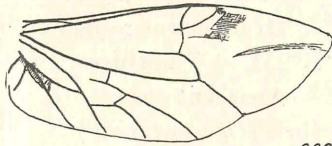
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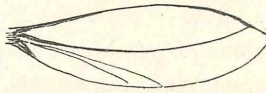
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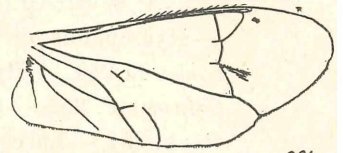
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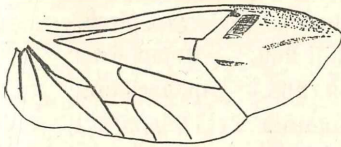
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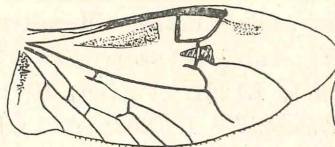
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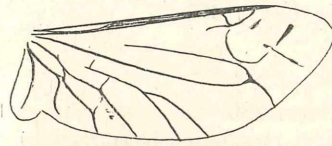
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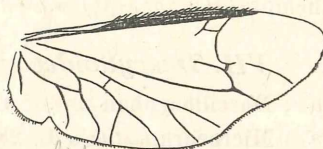
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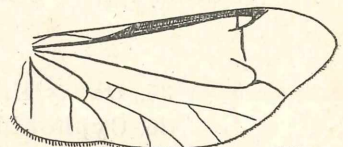
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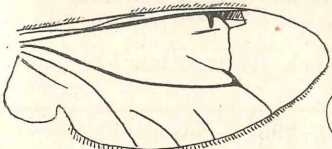
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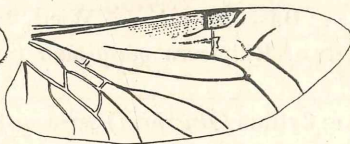
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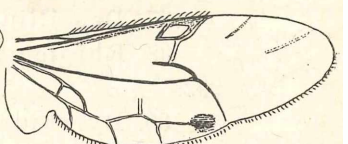
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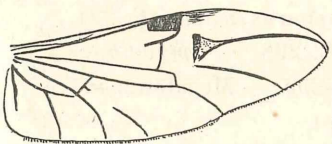


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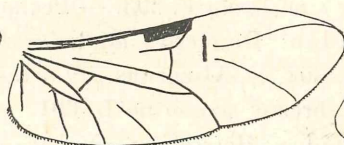


303

Xiphyllus (Eristomidae) n. sp.



304



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306



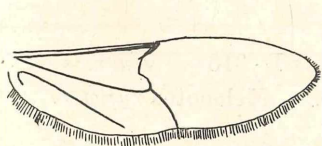
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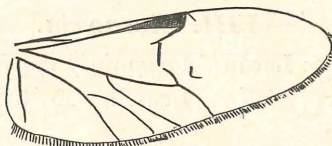
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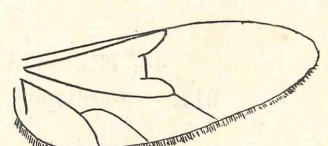
309



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311



312

290. — *Trichodes (Clerini) nutalli* 291. — *Neohydnius* sp. oder *Callimerus* 293. — sp. 294. — *Callimerus pectoralis* Schnkl. 288. — *Ommadius seticornis* 285.

VI. Palpicornia.

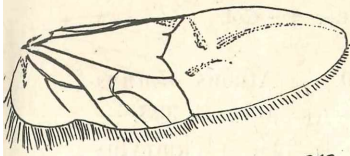
34. Hydrophilidae: *Sternolophus (Hydrophilini) rufipes* 247. — *Hydrophilus piceus* L. 248. — *pistaceus* L. 249. — *Hydrocharus caraboides* L. 250. — *Hydrobius (Hydrobiini) fuscipes* L. 251. — *Philhydrus testaceus* F. 252. — *Cymbiodyta marginella* F. 253. — *Anacaena globulus* Payk. 254. — *Laccobius minutus* L. 255. — *Chaetarthria (Chaetarthriini) seminulum* Payk. 256. — *Berosus (Berosini) luridus* L. 257. — *Cercyon (Sphaeridiini) haemorrhoidalis* F. 258. — *Megasternum boletophagum* Mrsh. 259. — *Spercheus (Spercheini) emarginatus* Schall 260. — *Helophorus (Helophorini) aquaticus* L. 261. — *griseus* Herbst. 267. — *Sphaeridium (Sphaeridiini) scarabaeoides* L. 262. — *Cyclonotum (Coelostomini) orbiculare* F. 263. — sp. 266. — *Hydrochus (Helophorini) carinatus* Germ. 264. — *Ochthebius (Hydraenini) marinus* Payk. 265.

VII. Dascylloidea.

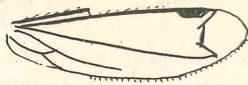
35. Dascyllidae: *Dascillocyphon minor* Everts 280.
36. Cyphonidae: *Microcara testacea* L. 281. — *Cyphon variabilis* Thunb. 282. — *Scirtes hemisphaericus* L. 283. — *Helodes minuta* L. 284.
37. Dascillidae: *Dascillus fulvulus* Wied. 286. — *cervinus* L. 287.
38. Rhipiceridae: *Rhipicera marginata* (nach Redtenbacher) 292.
39. Byrrhidae: *Cytilus (Byrrhini) sericeus* F. 295. — *Nosodendron (Nosodendrini) fasciculare* Oliv. 296. — *Byrrhus (Byrrhini) pilula* L. 292. — *Simplocaria semistriata* F. 293. — *Pedilophorus aeneus* F. 294.
40. Dermestidae: *Dermestes lardarius* L. 298. — *peruvianus* 297. — *vulpinus* F. 302. — *Attagenus pellio* L. 299. — *Megatoma undata* L. 300. — *Anthrenus museorum* L. 301.
41. Heteroceridae: *Heterocerus obsoletus* Curt. 304. — *flexuosus*. Steph. 305.
42. Parnidae: *Potamophilus (Parnini) acuminatus* F. 306. — *muticus* 307. — *Parnus luridus* Er. 308. — *prolificicornis* F. 309. — *Limneus (Elmini) dargelasi* Latr. 310. — *Lareyneae aeneus* Müll. 311. — *Elmis volckmari* Panz. 312. — *Cyloepus montanus* 313.
43. Georyssidae: *Georyssus crenulatus* Ross. 314, 315.

VIII. Sternoxia.

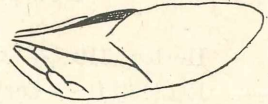
44. Elateridae: *Lacon (Agrypnini) murinus* L. 316 — *vinensis* 317. — *Cardiophorus (Elaterini) assellus* Er. 318. — *Melanotus rufipes*



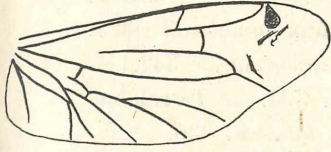
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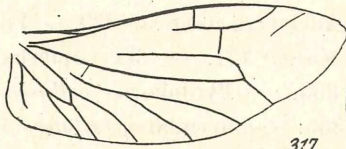
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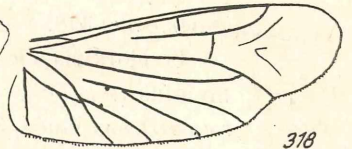
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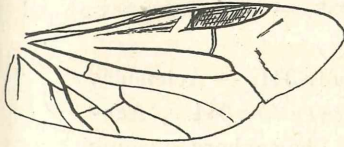
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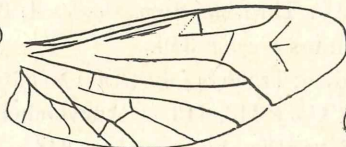
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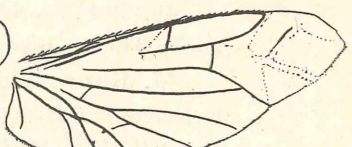
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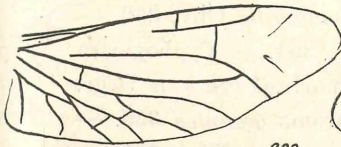
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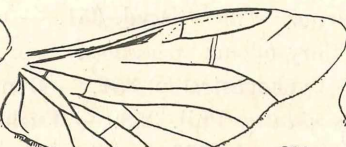
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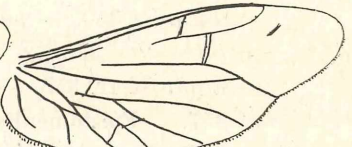
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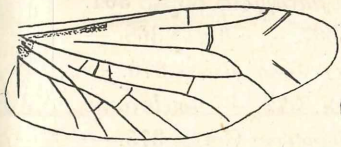
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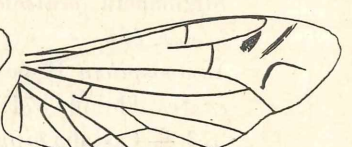
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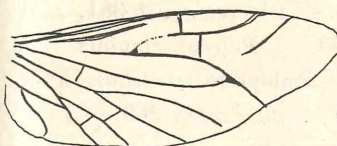
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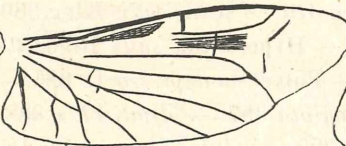
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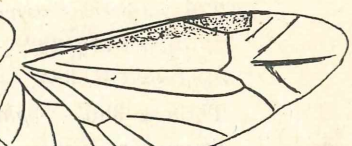
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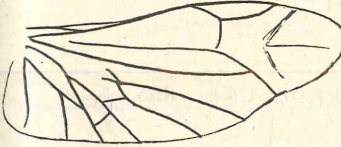
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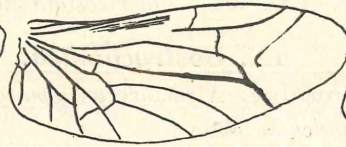
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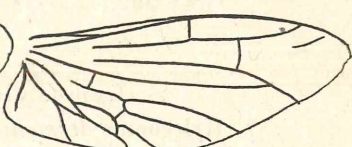
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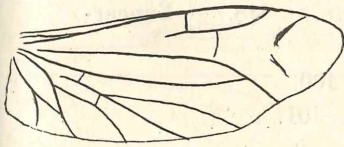
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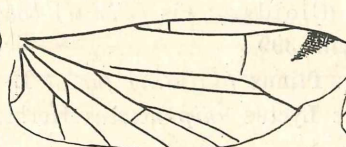
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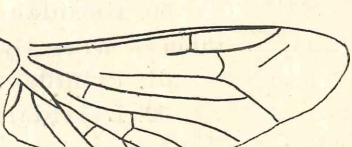
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Herbst 319. — *Limonium aeruginosus* Oliv. 320. — *Athous alpinus* Redt. 321. — *Corymbites purpureus* Poda 322. — *tessellatus* L. 323. — *Dolopius marginatus* L. 324. — *Agriotes obscurus* L. 325. — *Campylus (Campylini) linearis* L. 326. — *Diploconus prominens* 327. — *Allotrius quadricollis* 328. — *Adelocera punctata* 329. — *Fornax humidicollis* 329. — *Crebiorkipis elongatus* 331. — *Oxynopterus mucronatus* 332. — *Smiotus imperialis* 333. — *Pyrophorus pelluscens* 334. — *Tetralobus rotundifrons* Guér. 335. — *Corymbites (Elaterini) latus* F. 336.

45 Eucnemidae: *Melasis (Melasini) buprestoides* L. 337.

46. Throscidae: *Throscus dermestoides* L. 338. — *Drapetes equestris* F. 339. — *Lissomus bicolor* 340.

47. Buprestidae: *Trachys (Agrilini) minuta* L. 341. — *Aetenodes westermanni* Cast. et Gory 342, 343. — *Ancylocheira rustica* 344. — *Agelia peteli* 345. — *Catoxantha opulenta* Gory 346. — *Chalcophora mariana* 347. — *Chryaspsis aurata* F. 348. — *Chrysochroa kerremanni* 349. — *edwardsi* 350. — *purpureiventris* Dryd. 351. — *mutabilis* Oliv. 352. — *fulminans* 353. — *Chrysoedema granulosa* Kerr. 354. — *Cyphogastra nitida* Kerr. 355. — *Cyphogastra* sp. 356. — *Demochroa gratiosa* Degr. 357. — *Epistomentis vittatus* Phil. 358. — *Euchroma gigantea* 359. — *Philoceanus maitlandi* Lansb. 360. — *Steraspis speciosa* Klug 361. — *Stigmodera spinicola* Gory 362. — *cruca* S. 363. — *flavopicia* Boisd. 364. *lebasii* 365. — *sieboldi* C. et G. 366. — *variabilis* 367. — *vittatus* 368. — *xanthospilota* Hope 369. — *Agrilus (Agrilini) coeruleus* Rossi 370. — *acutus* Thunb. 371. — *Capnodis anthracina* Fisch. 372. — *tenebrionis* 373. — *Castalia bipustulata* L. 374. — *Cisseis chalcopertus* Germ. 375. — *leucosticta* 376. — *Chrysobothris* sp. 377. — *Conognatha amoena* Kirby 378. — *pretiosissima* 379. — *principalis* Klug 380. — *Dicerea acnea* 381. — *divaricata* 382. — *Hyperantha sallii* Rojas 383. — *Pelecopselaphus depressus* F. 384. — *Polycesta depressa* L. 385. — *Psiloptera scintillans* Thomas 386. — *plagiata* 387. — *dilatocollis* 388. — *plagiocollis* 389. — *Sternocera luctifera* 390. — *Julodes gariepina* Péring. 391. — *humeralis* Gory 392. — *iris* C. et G. 393. — *laevicostata* 394.

IX. Bostrychoidea.

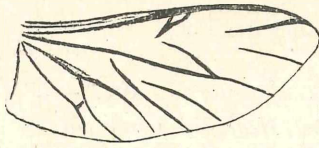
48. Lymexylonidae: *Atractocerus emarginata* Cast. 395. — *Hylecoetus dermestoides* L. 396.

49. Sphindidae: *Sphindus hispidus* Payk. 397.

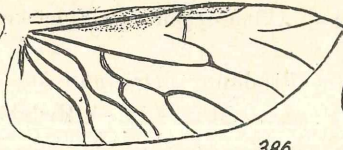
50. Cissidae (Cioidae): *Cis (Cisini) boleti* F. 398. — *Ennearthron cornutum* Gylh. 399.

51. Ptinidae: *Ptinus (Ptinini) fur.* ♂ L. 400.

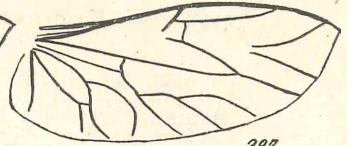
52. Lyctidae: *Lyctus unipunctatus* Herbst 401.



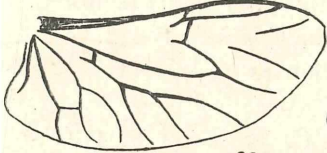
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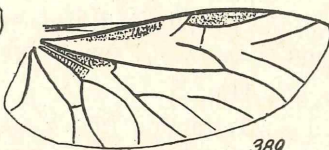
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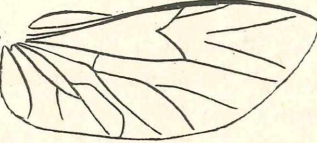
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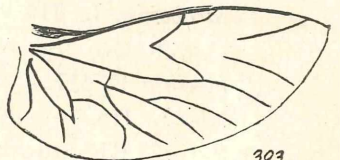
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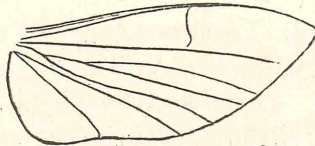
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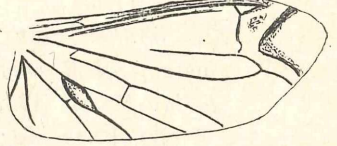
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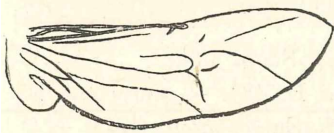
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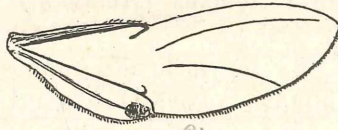
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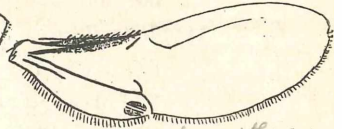
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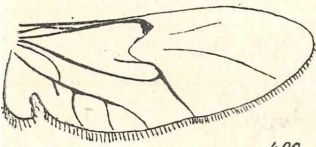
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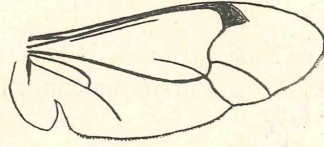
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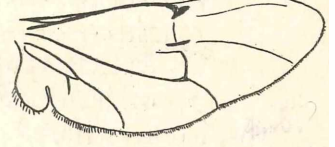
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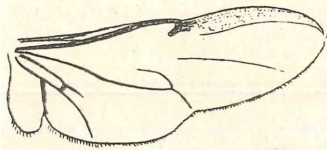
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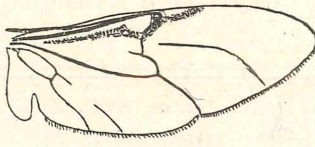
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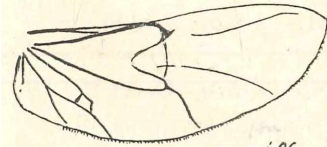
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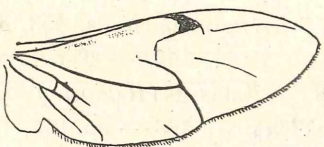
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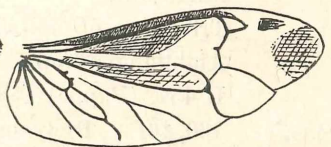
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53. Anobiidae: **Priobium** (*Dryophilini*) *castaneum* F. 402. — **Oehina** (*Xyletinini*) *hederae* Müll. 403. — **Hedobia** (*Hedobiini*) *imperialis* L. 404. — **Coenocara** (*Dorcatomini*) *bovistae* Hoffm. 405. — **Ptilinus** (*Xyletinini*) *pectinicornis* L. 406. — **Ernobius** (*Anobiini*) *mollis* L. 407.

54. Bostrychidae (Apatidae): **Rhizopertha** *dominica* F. 412. — **Apate** *capucinus* L. 408. — *terebrans* 409. — **Xylotrips** *flavipes* 444. — **Heterobostrychus** *aequalis* 411.

55. Melandryidae: **Tetratoma** (*Tetratomini*) *fungorum* F. 413. — **Orchesia** (*Orchesiini*) *picea* Herbst 414. — **Melandrya** (*Melandryini*) *caraboides* L. 415.

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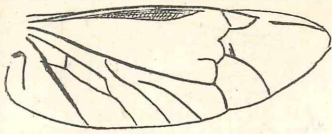
64. Trictenotomidae: **Trictenotoma** *childreni* (nach Redtenbacher) 443.

65. Othniidae: **Othnius** *delusus* Pasc. 410.

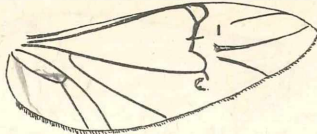
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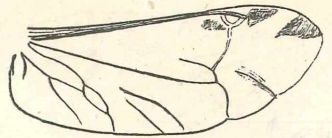
68. Tenebrionidae: **Opatrum** (*Opatrini*) *sabulosum* L. 450. — **Microsom** *tibiale* F. 451. — **Diaperinus** (*Diaperini*) *boleti* L. 452. — **Tribolium** (*Ulolomini*) *ferrugineum* Muls. 453, 454. — **Uloma** sp. 455. — **Alphitobius** *diaperinus* Panz. 456. — **Tenebrio** (*Tenebrionini*) *molitor* L. 457, (Puppe), 458. — **Nalassus** (*Helopini*) *laevioctostriatus* Goeze 459, 460, 461. — **Dictyssus** *longicus* 463. — sp. 462. — **Scotaeus** *pretiosus* 464.



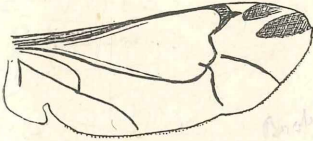
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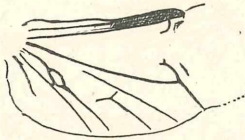
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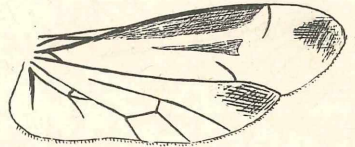
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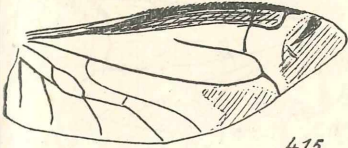
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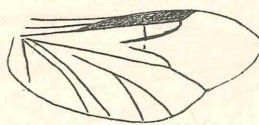
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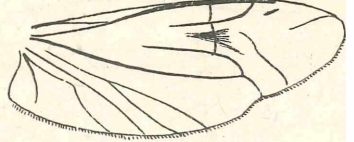
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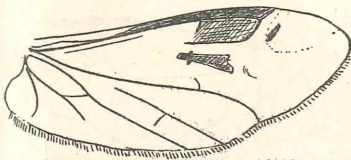
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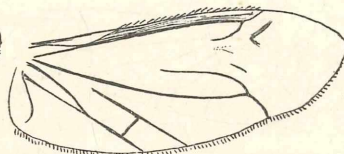
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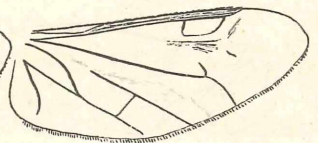
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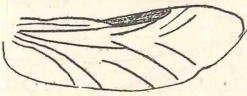
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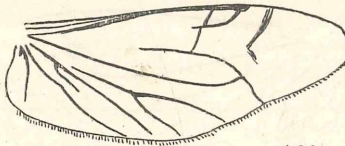
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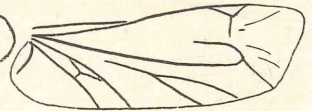
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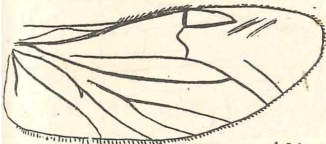
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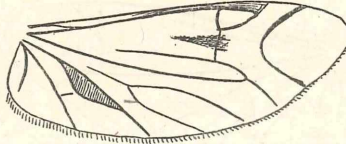
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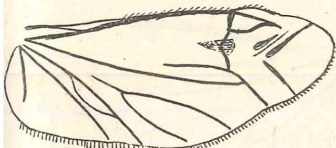
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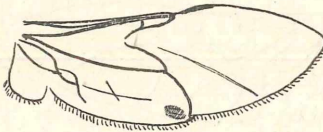
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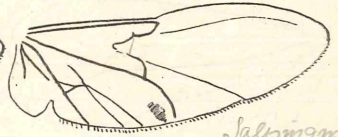
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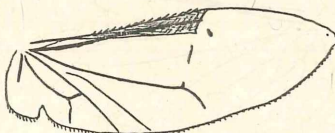
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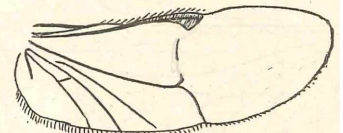
Salpingus
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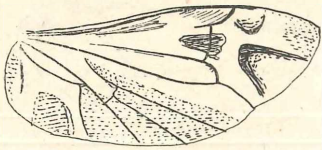
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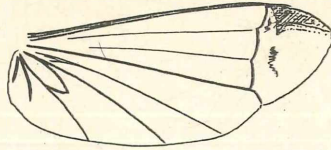
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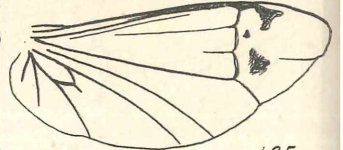
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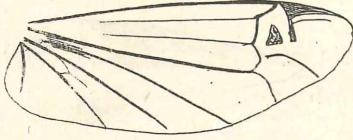
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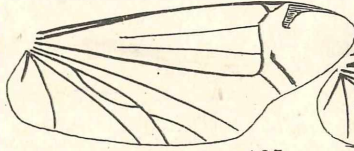
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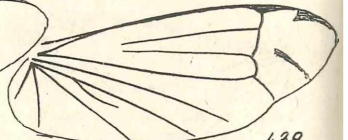
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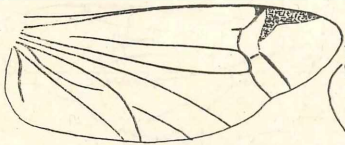
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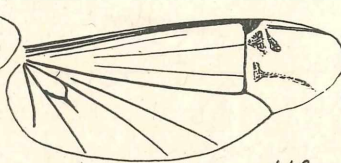
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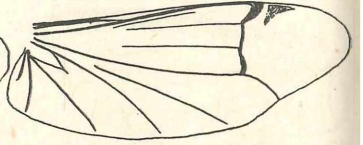
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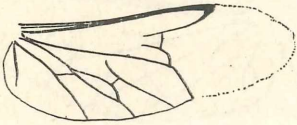
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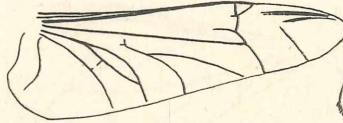
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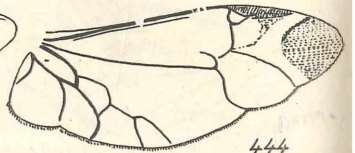
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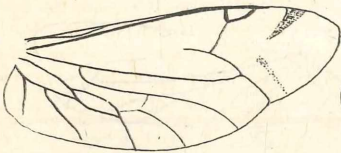
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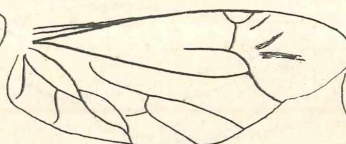
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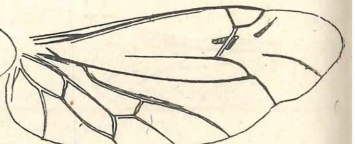
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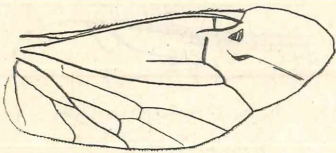
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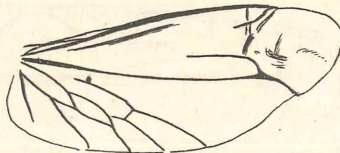
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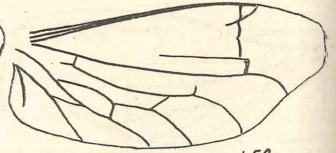
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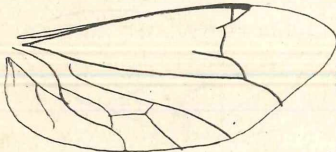
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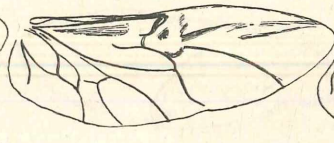
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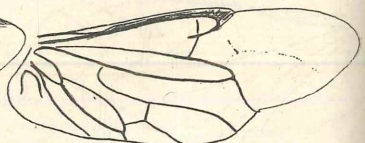
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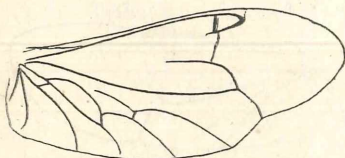
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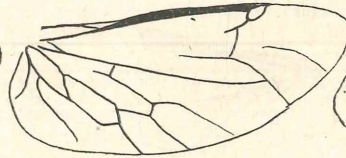
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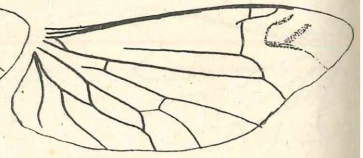
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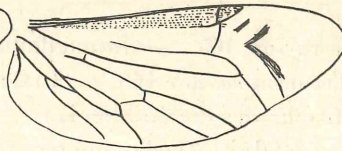
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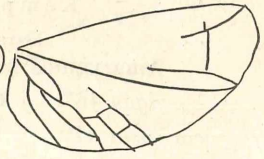
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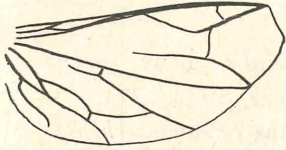
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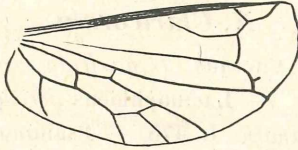
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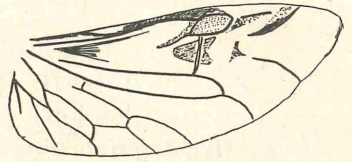
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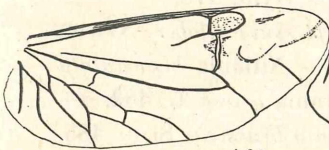
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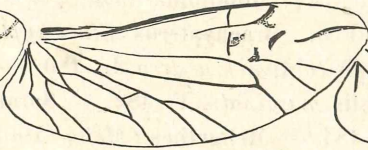
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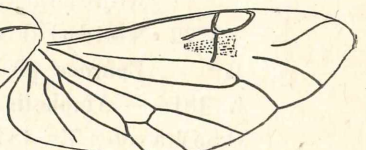
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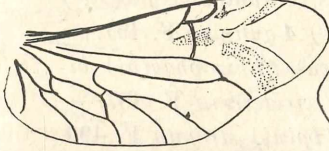
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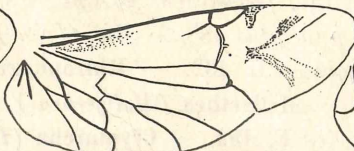
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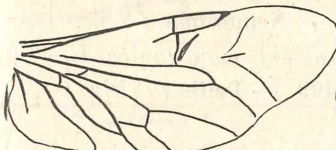
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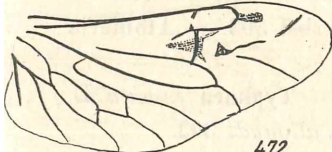
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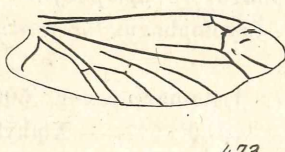
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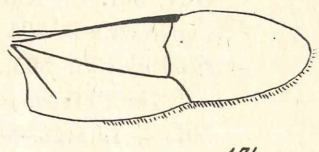
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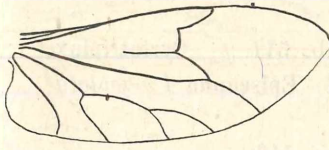
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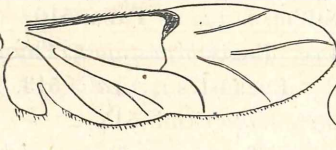
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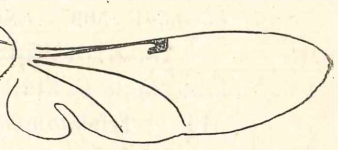
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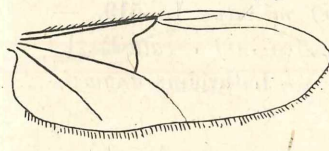
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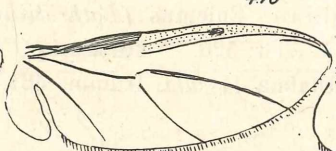
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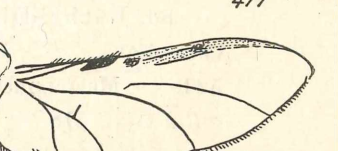
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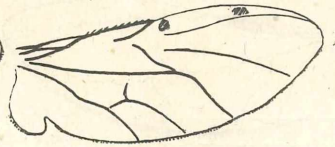
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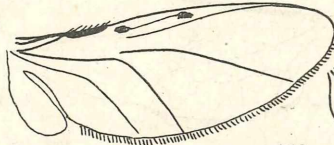
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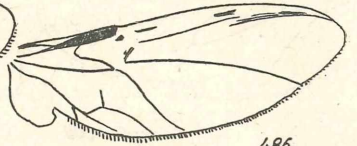
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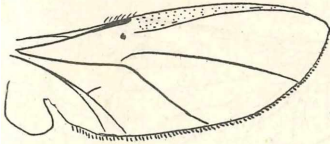
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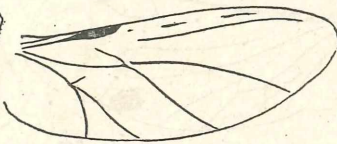
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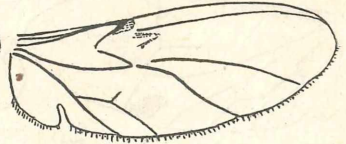
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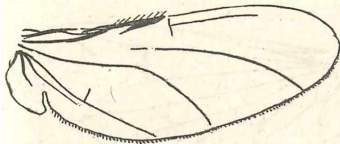
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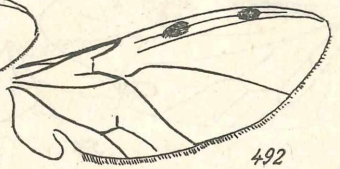
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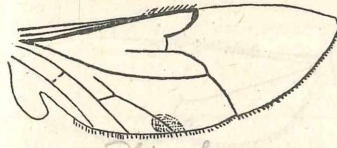
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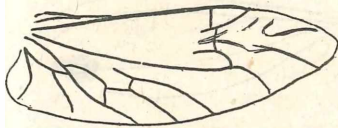
Rhizophagus
493



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496 *Tappin*



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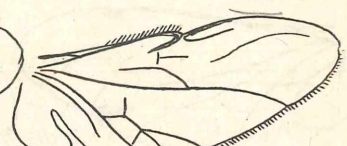
Bylurus
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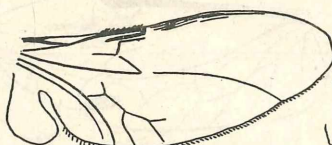
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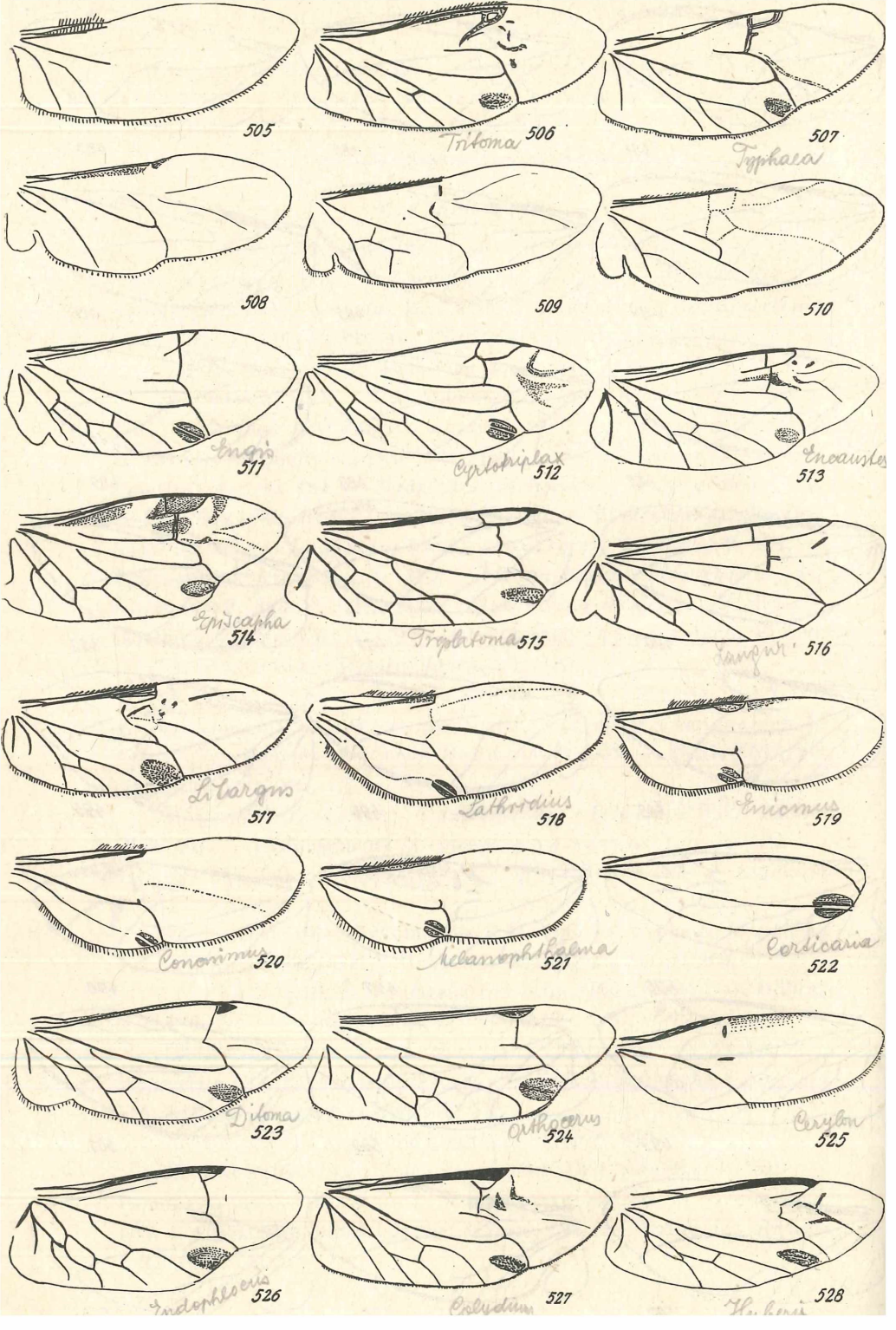
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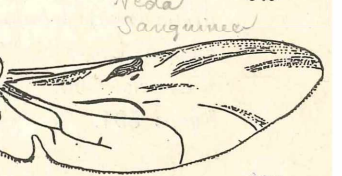
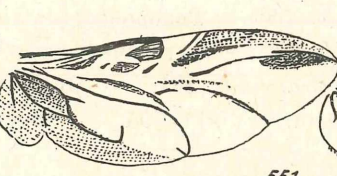
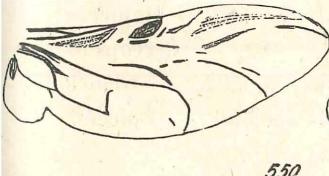
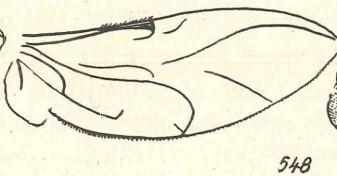
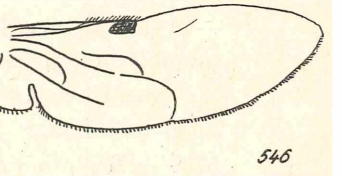
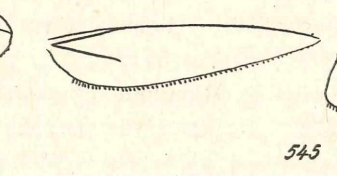
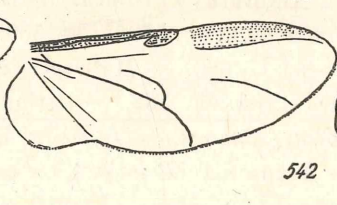
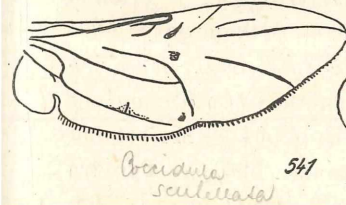
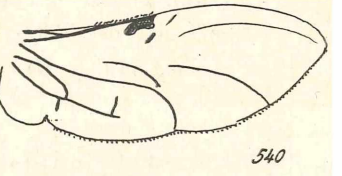
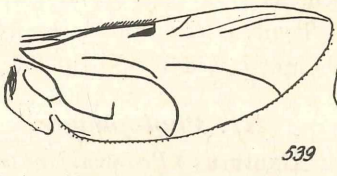
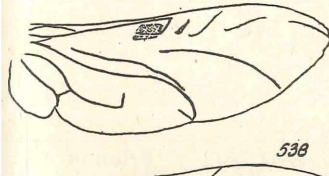
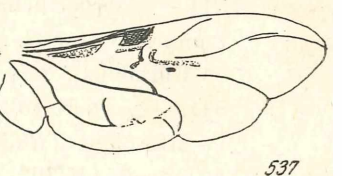
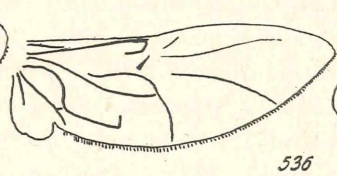
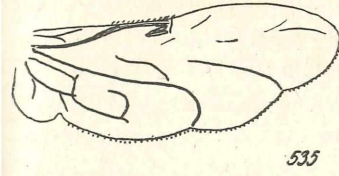
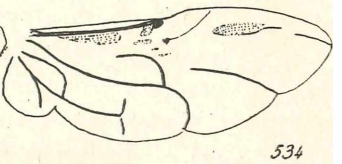
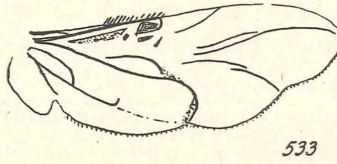
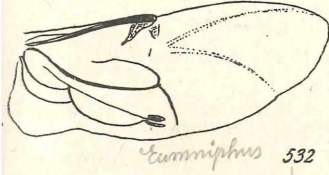
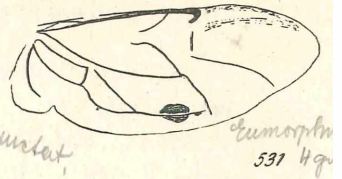
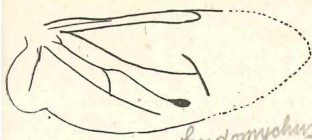


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81. Colydiidae: *Ditoma (Synchitini) crenata* F. 523. — *Orthocerus (Orthocerini) muticus* L. 524. — *Cerylon (Cerylonini) histeroides* F. 525. — *Endophloeus spinulosus* 526. — *Colydium (Colydiini) filiforme* F. 528. — *Hyberis* sp. 527.

82. Endomychidae: *Endomychus* sp. 529.

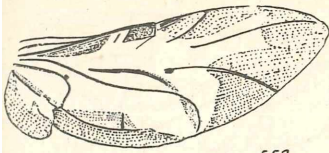
83. Eumorphidae: *Eumorphus bipunctatus* Perty 530. — *4-guttatus* 531. — *Eumniphus marginatus* 532.

84. Coccinellidae: *Chilocorus (Chilocorini) renipustulatus* Scriba 533. — *Epilachna (Epilachnini) pusillanima* 534, 535. — *argus* Fourc 544. — *Subcoccinella 24-punctata* L. 536, 548. — *Coccinella (Coccinellini) 7-punctata* L. 537. — *hieroglyphica* L. 538. — *oblongopunctata* L. 539. — *Rhisobius (Rhisobiini) litura* F. 540. — *Coccidula scutellata* Herbst 541. — *rufa* Herbst 542. — *Scymnus (Scymnini) nigrinus* Kugel 543. — *Rhisobius (Rhisobiini) chrysoloides* Herbst 545. — *Anisosticta (Coccinellini) 19-punctata* L. 547. — *Exochomus (Chilocorini) flavipes* Thunb. 552. — *Coccinella (Coccinellini) 22-punctata* L. 551. — *variabilis* Herbst 550. — *Scymnus (Scymnini) brunneus* 546. — *Neda sanguinea* 549. — *Exochomus (Chilocorini) sp.* 553.

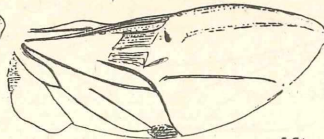
XI. Phytophaga.

85. Prionidae: *Xixuthrus (Prionini) microcerus* 556. — *Prionus coriarius* L. 557. — *laticollis* Drury 558. — sp. 559. — *Orthomegas (Callipogonini) cinnamomeus* L. 560. — *Mallospis (Derancistrini) leucaspis* Guér. 561. — *Pyrodes nitidus* F. 562. — *Cyrtognathus (Callipogonini) buqueti* 563. — *Mallodon (Macrotomini) downesi* Hope 564. — *Macrotoma palmata* F. 565. — *Aegosoma (Prionini) marginale* 566. — *Pyrodes (Derancistrini) speciosus* Oliv. 567. — *Ergates (Prionini) faber* L. 568. — *Aulacopus natalensis* 569. — *Lophostermus indicus* 570. — *Orthosomus (Callipogonini) brunneus* 571.

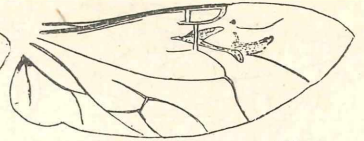
86. Cerambycidae: *Rhagium (Lepturini) mordax* 571a. — *inquisitor* Fourc. 572. — *Spondylis (Spondylini) buprestoides* L. 573. — *Leptura (Lepturini) fulva* De G. 574. — *Grammoptera ruficornis* 575. — *Leptura armata* 576. — *Gaurotes virginea* 577. — *Notorrhina (Cerambycinae) muricata* 578. — *Necydalis major* 579. — sp. (nach Handlirsch) 580. — *Molorehus panzeri* Harold 581. — *Acmocera (Lamiinae) compressa* 582. — *undulata* Qued. 583. — *Discopus spectabilis* Bates 584. — *Cotops leucostictica* 585. — *Liopus (Lamiinae) nebulosus* 586. — *Pogonochaerus hispidus* 587. — *Batocera albofasciata* Dej. 588, 602. — *Carneades championi* 589. — *Cereopsius niassicus* 590. — *praetorius* 591. — *Oncoderes* sp. 592. — *Glenea hygia* 594. — *Spenura camilla* 595. — *Nitocris* sp. 596. — *Epicedia*



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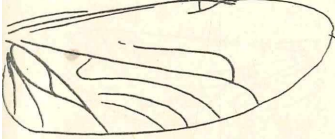


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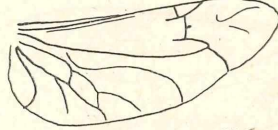


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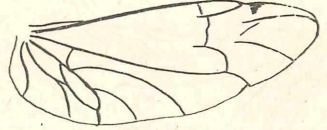
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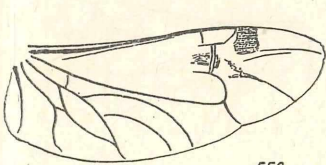
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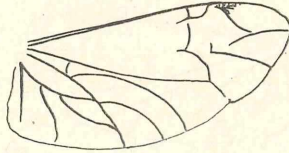
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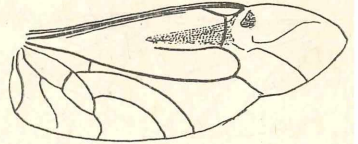
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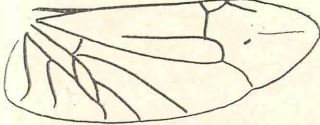
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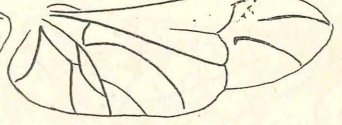
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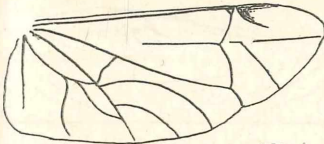
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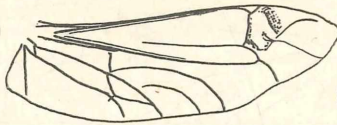
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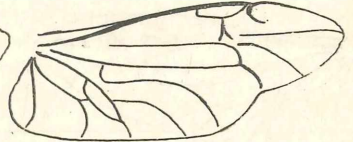
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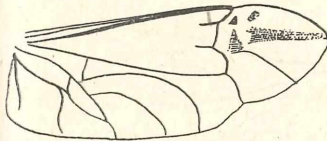
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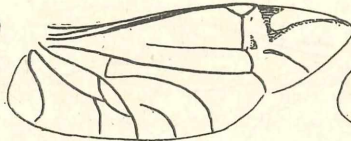
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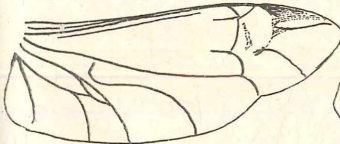
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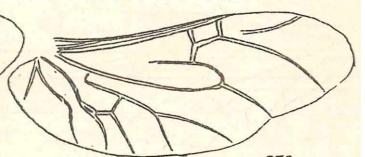
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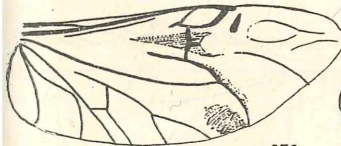
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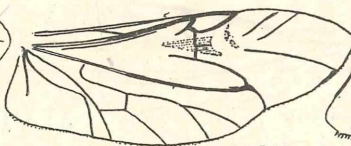
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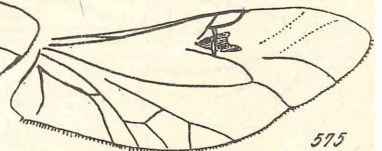
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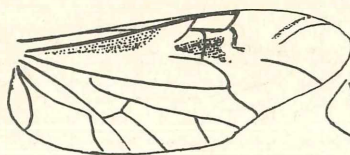


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Spondylis tanyptoides



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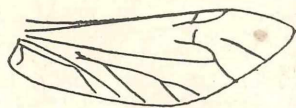
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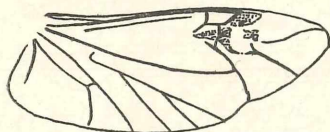
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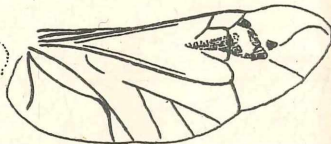
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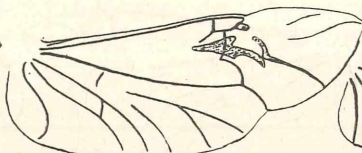
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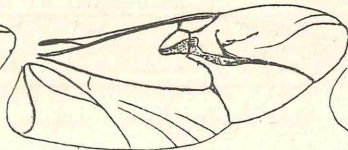
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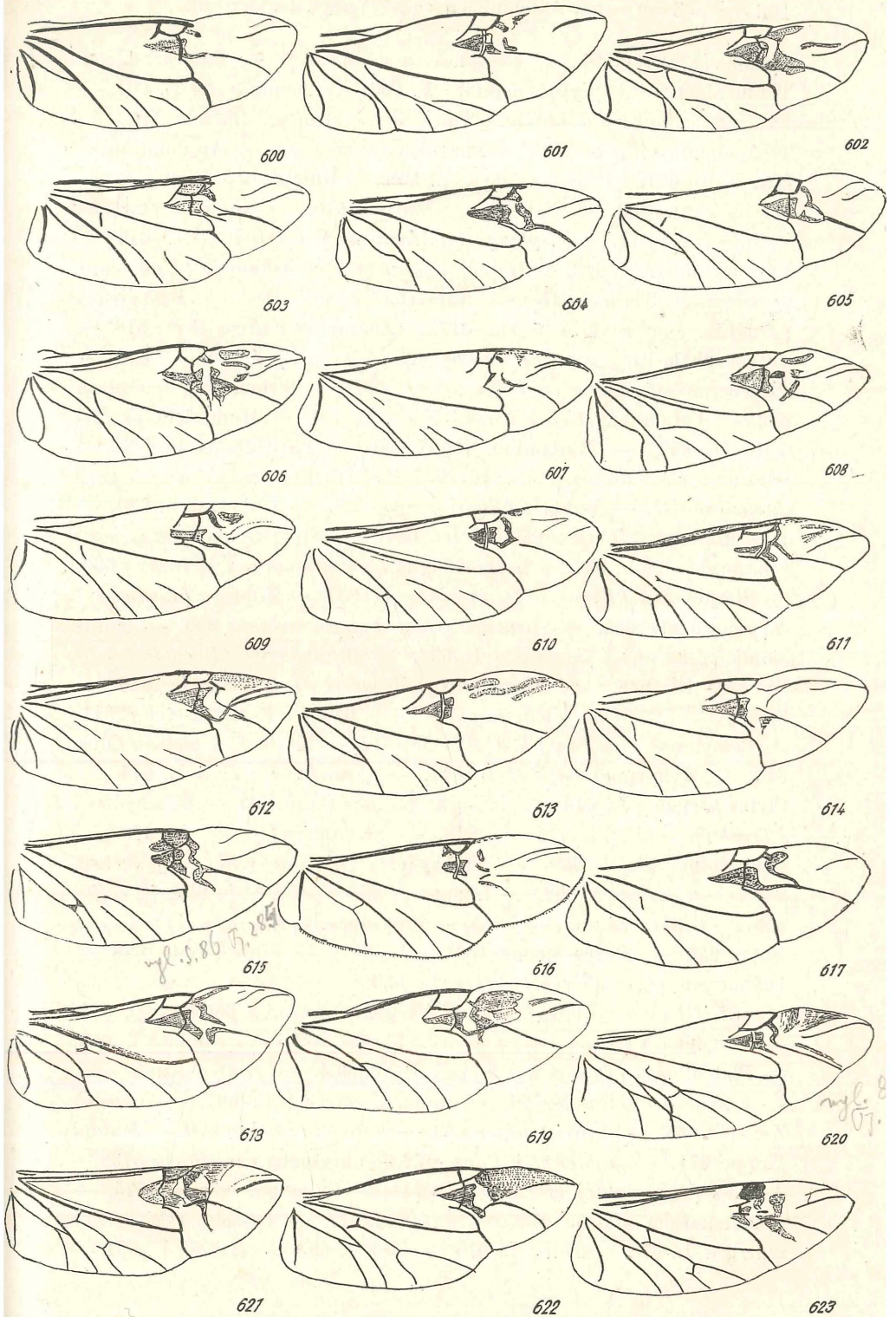
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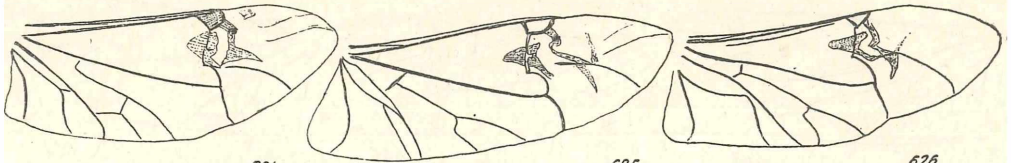


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maculatrix Perty 597. — *Ceroplesis aestuans* 598. — *Batocera Hector* Thoms. 599. — *Ceroplesis aethiops* F. 600. — *Lamia textor* L. 601. — *Batocera albofasciata* 602. — *Tmesisternus politus* Blanch. 603. — *Trigonoptera spilonota* 605. — *Phryneta spinator* 606. — *Apriona flavescens* Kaup 607. — *Neocerambyx* sp. 608. — *Gnoma (Lamiinae) longitarsus* Pasc. 609. — *Saperda carcharias* 610. — *Gerania (Cerambycini) bosci* 611. — *Sphingnotis (Lamiinae) albertisi* Gest. 612. — *Phryneta spinator* 613. — *Inesida leprosa* 614. — *Volumnia (Lamiinae) westermanni* Thoms. 615. — *Nupserha fricator* 616. — *Dryoctenes (Lamiinae) scrupulosus* Germ. 617. — *Zographus aulicus* Bert. 618. — *Tragocephala variegata* 619. — *Pachyta (Lepturini) 4-maculata* 620. — *Plocederus (Cerambycinae) bennigseni* 621. — *Stromatium barbatum* 622. — *Cerambyx (Cerambycini) cerdo* L. 623. — *Hamaticherus plicatus* Ol. 624. — *Mallambyx raddei* 625. — *Pachydissus* sp. 626. — *Ceresium (Callidiopini) flavipes* 627. — *Trachyderus (Trachyderini) thoracicus* 628. — *Euburia (Eburini) sp.* 629. — Unbekannt. 630. — *Hesperophanus (Cerambycinae) sp.* 631. — *Sternotomis (Lamiinae) bohemanni* Chev. 632. — *Lophonocerus (Sternacanthini) hirticollis* 633. — *Sternotomis (Lamiinae) imperialis* F. 634. — *Leptura (Lepturini) chrysomeloides* 635. — *Gracilia (Cerambycini) minuta* 636. — *Stirastoma (Lamiinae) depressum* L. 637. — *Dorcacerus (Dorcacocerini) barbatus* Ol. 638. — *Megaderus (Megaderini) stigma* L. 639. — *Stirastoma (Lamiinae) marmoratum* Thnb. 640. — *Paranda glabra* 641. — *Ceroplesis (Lamiinae) hottentotta* F. 642. — *Xystrocera globosa* Oliv. 643. — *Hylotrupes bajulus* L. 644. — *Aromia moschata* L. 645. — *Clytus arcuatus* L. 646. — *Nupserha fricator* Dalm. 647. — *Trachyderes (Trachyderini) succinctus* L. 648. — *Stenopterus rufus* L. 649. — *Chloridolum klaesii* 650. — *Trachyderes (Trachyderini) cayennensis* 651. — *dimidiatus* 652. — *Litopus (Callichromini) sp.* 653. — *caffer* 654. — *Cyllene cayennensis* 655. — *Chrysoprasis (Heteropsini) ruficoxis* Bates 656. — *Purpuricenus köhleri* L. 657. — Unbekannt. 658. — *Caenoptera (Cerambycini) minor* L. 659.

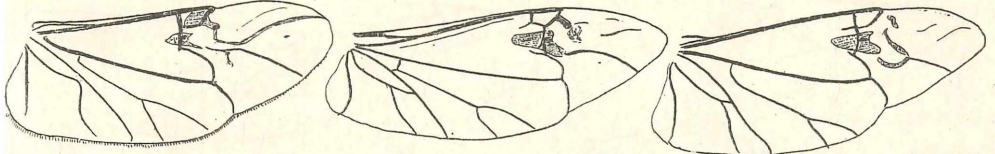
87. Chrysomelidae: *Sagra (Sagrini) femorata* 660. — sp. 661. — *Zeugophora (Criocerini) flavicollis* Marsh. 662. — *subspinosa* F. 663. — *Plateumaris (Donaciini) bradata* Scop. 664. — *rustica* Kunze 665. — *consimilis* Schrank 666. — *Donacia clavipes* F. 667. — *bicolora* Zschach 668. — *linearis* Hoppe 669. — *versicolor* Brahm 670. — *dentata* Hoppe 671. — *semicuprea* Panz. 672. — *Chrysochares asiatica* 673. — *Adoxus (Eumolpini) obscurus* L. 674. — *Eumolpus cupreus* 675. — *Aspidomorpha similis* 676. — *punctata* 677. — *Cassida (Cassidini) murraea* L. 678. — *nobilis* L. 679. — *vibex* L. 680. — *nebulosa* L. 681. —



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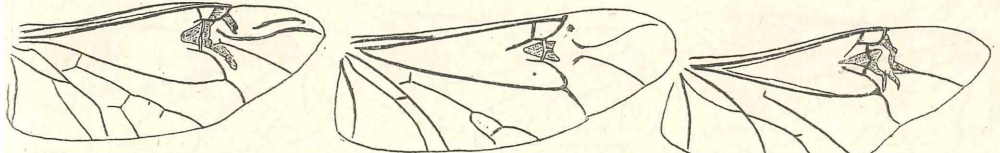
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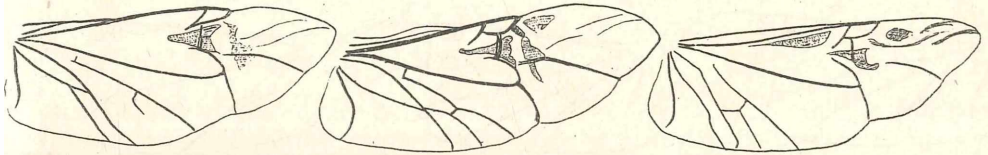
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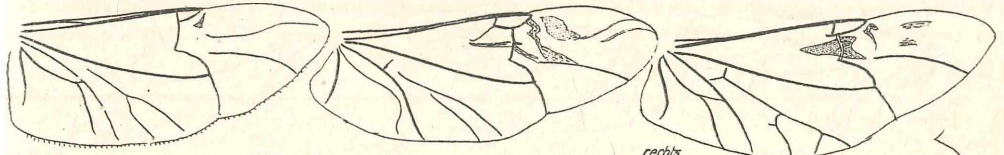
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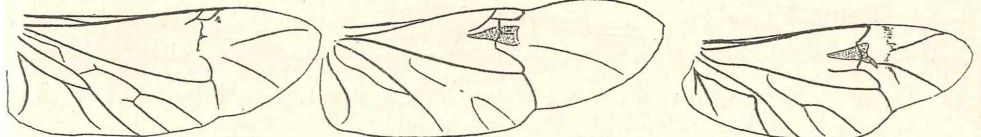


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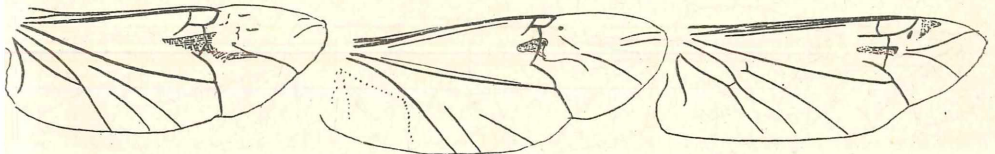
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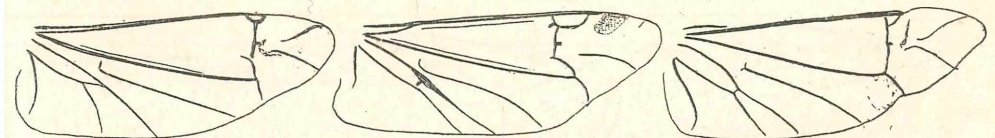
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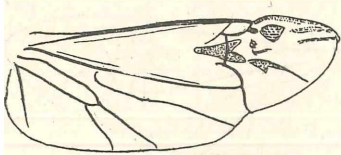
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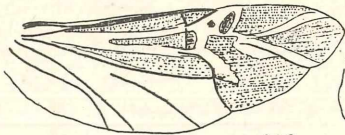
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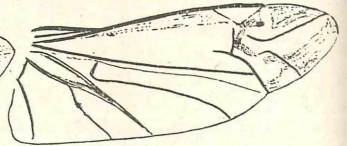
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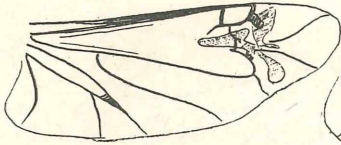
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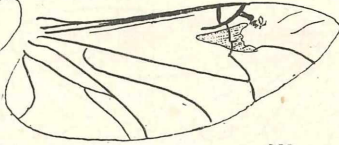
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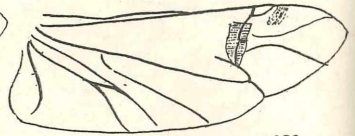
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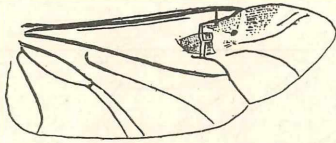
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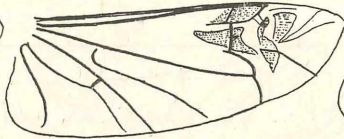
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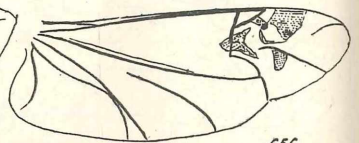
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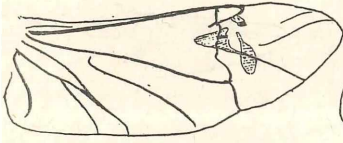
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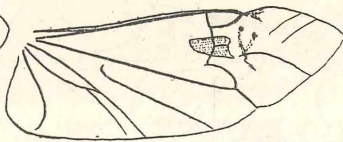
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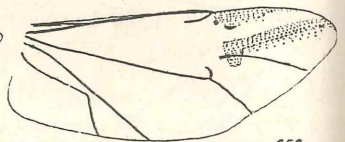
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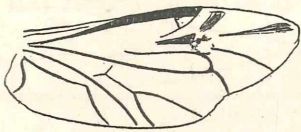
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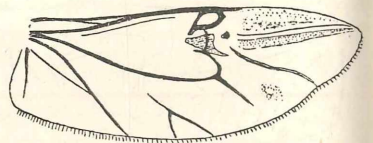
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661



662

Zygophora



663



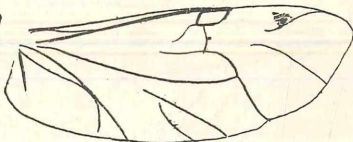
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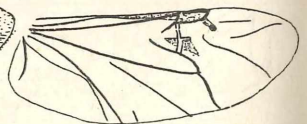
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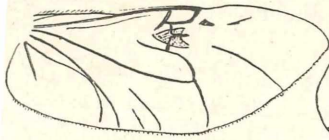
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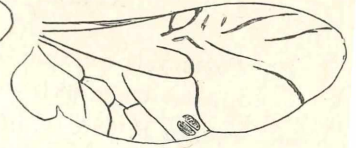
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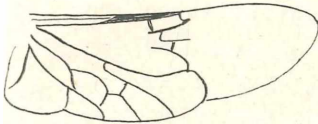
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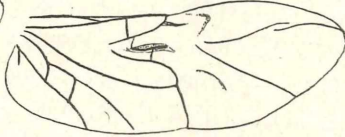
Chrysoclares 673
asiatica



Adoxus 674
(Eumolpus) *occidentalis*



Eumolpus 675
cypressus



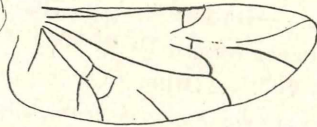
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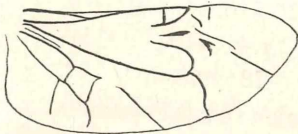
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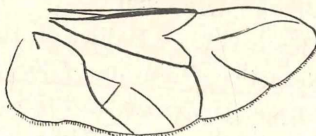
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687



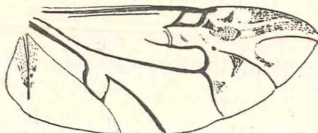
688



689



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691



692



693



694



695

Coptocycla catenata 682. — *Polychalca variolosa* 683. — *Alurnus marginatus* Guér. 684. — *Hispa (Hispini) atra* L. 685. — *Clytra (Clytrini) cyanea* F. 686. — *affinis* Hellw. 687. — *Cryptocephalus (Cryptocephalini) sericeus* L. 688. — *Clytra (Chlytrini) 4-punctata* L. 689. — *Sphaerometopa melanocephala* 690. — *acroleuca* 691. — *Gonioctena (Chrysomelini) viminalis* L. 692. — *Haplosomyx albicornus* 693. — *Aplosomyx albicornis* 694. — *Sermyla (Galerucini) halensis* L. 695. — *Gonioctena (Chrysomelini) olivacea* Forst. 696. — *Luperus (Galerucini) flavipes* L. 697. — *longicornis* F. 698. — *Oides* sp. 699. — *Galeruca (Galerucini) rustica* Schall. 700. — *tanacetii* L. 701. — *Podagrica (Halticini) fuscicornis* L. 702. — *Doridea insignis* 703. — *Aulacophora acutipennis* F. 704. — *Ortholaea ancora* Redt. 705. — *serena* Boh. 706. — *Phyllocharis undulatus* 707. — *Orina (Chrysomelini) polymorpha* 708. — *gloriosa* 709. — *Chrysomela hyperici* Forst. 710. — *polita* L. 711. — *sanguinolenta* L. 712. — *haemoptera* L. 713. — *varians* Schall. 714. — *Melasoma viginti punctata* Scop. 715. — *tremulae* F. 716. — *populi* L. 717. — *saliceti* Weise 718. — *Gastroidea viridula* De G. 719. — *Crioceris (Criocerini) lilii* Scop. 720. — *asparagi* L. 721. — *12-punctata* L. 722. — *Lema melanopa* L. 723. — *cyanella* L. 724. — *Gonophora haemorrhoidalis* 725. — *Prasocuris (Chrysomelini) phellandrii* L. 726. — *Aniscdera* sp. 727. — *Botnjopa sanguinea* 728. — *Graptodera cyanea* 729. — *Crepidodera (Halticini) transversa* Mrsh. 730. — *ferruginea* Scop. 731. — *Mantura chrysanthemi* Koch 732. — *Haltica oleracea* L. 733. — *querce-torum* Foudr. 734. — *Sebaethe affinis* Jac. 735. ? ? 736.

88. Bruchidae: *Bruchus pisorum* L. 737. — *rufimanus* Boh. 738. — *villosus* F. 739. — *Caryoborus bactris* 740.

89. Platyrrhinidae: *Urodon (Urodonini) rufipes* Ol. 741. — *Brachytarsus variegatus* Fourc 742. — *Macrocephalus (Platyrrhinini) albinus* 743. —

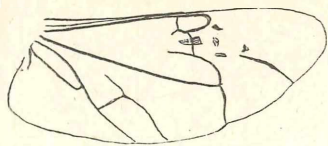
90. Anthribidae: *Mecocerus gasella* 744. — *Eucorynus crassicornis* 746. .

91. Nemomychidae: *Rhinomacer attelaboides* F. 745.

92. Platypidae: *Crossotarsus bonvouloiri* 747. — *Platypus solidus* 748.

93. Scolytidae: *Scolytus (Scolytini) destructor* Ol. 749. — *Myelophilus (Hylesinini) piniperda* L. 750. — *Hylastes (Hylastini) ater* Payk. 751. — *Tomieus (Tomieini) 6-dentatus* Boerner 752. — *laricis* F. 753. — *Xylocleptes bispinus* Dfts. 754.

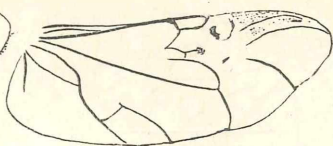
94. Curculinidae: *Apoderus (Attelabini) coryli* L. 755. — *Attelabus nitens* Scop. 756. — *Rhynchites (Rhynchitini) nanus* Payk. 757. — *Apion (Apionini) marchicum* Herbst. 758. — *Phyllobius (Phyllo-*



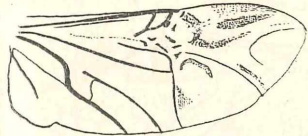
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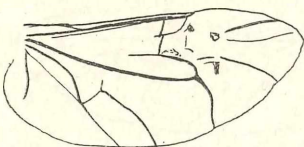
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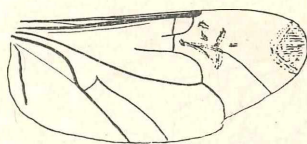
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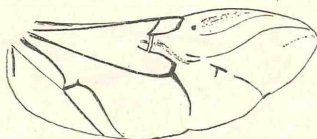
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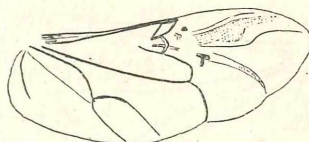
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702



703



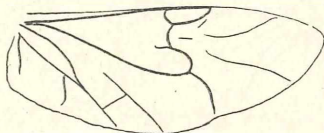
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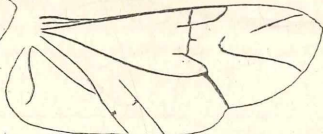
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707



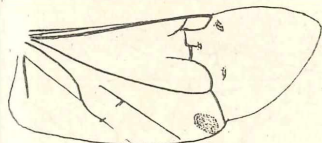
Ornia
708
polymorpha



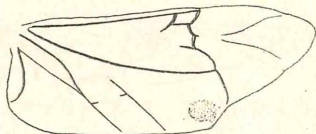
glabrata
709



Chrysom
710
hypericæ



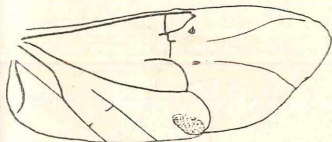
Chripidia
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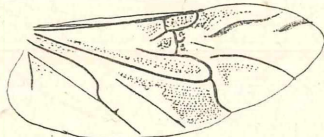
sanguinolenta
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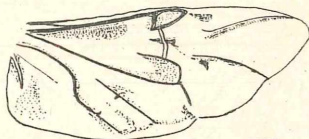
laenocera
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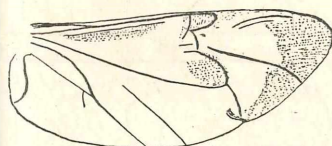
varia
714



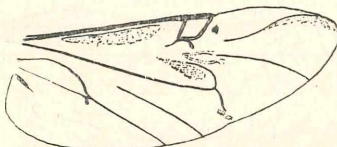
Melasma
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20-punctata



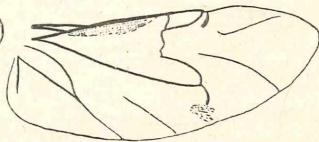
femular
716



717



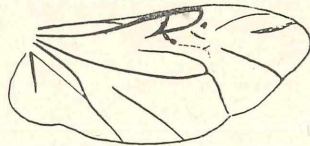
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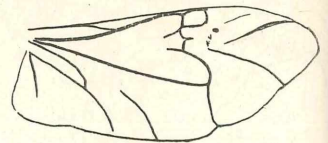
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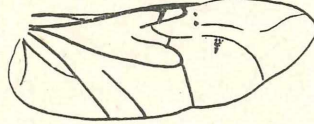
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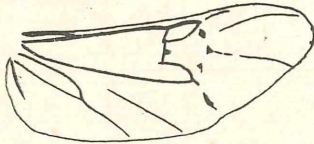
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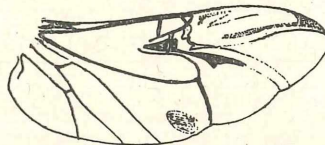
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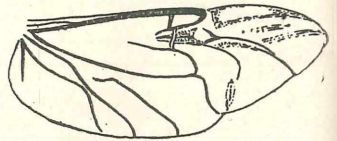
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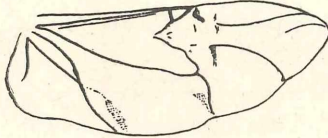
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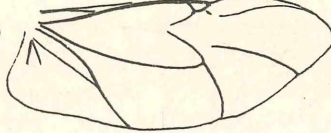
Anisodera 727 sp.



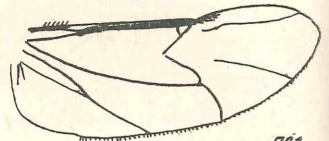
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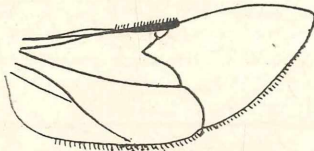
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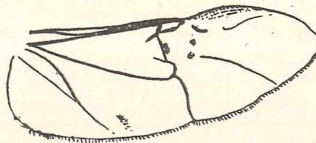
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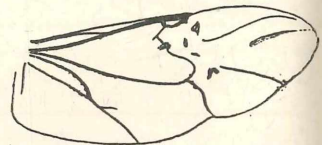
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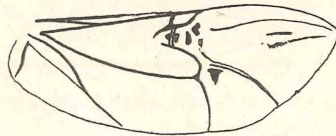
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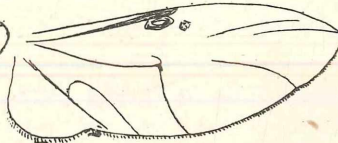
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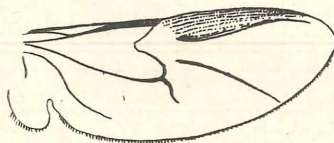
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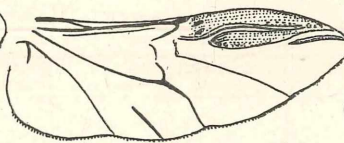
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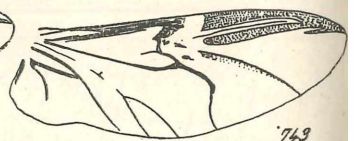
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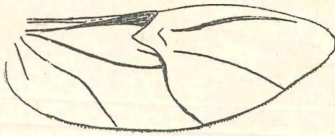
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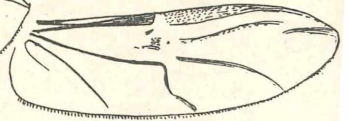
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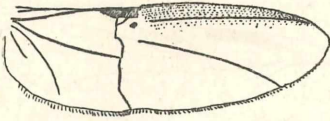
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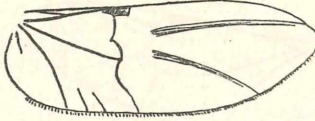
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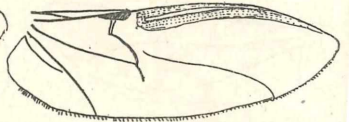
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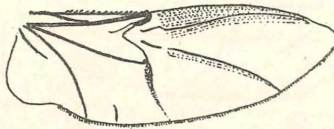
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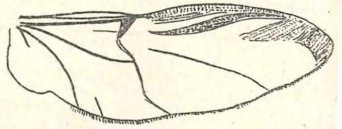
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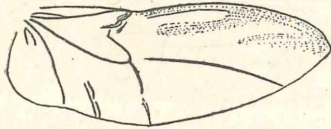
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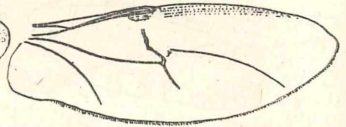
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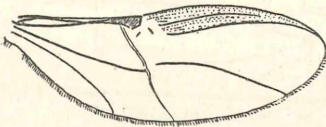
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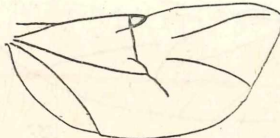
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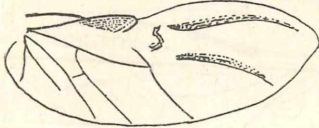
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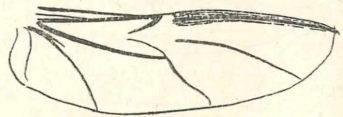
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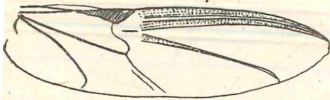
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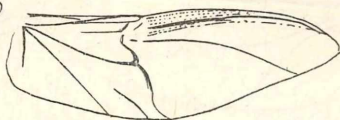
787



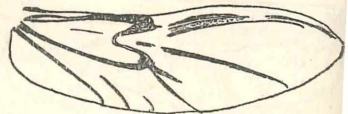
788



789



790



791

biini) *argentatus* L. 759. — *Sitona* (*Sitonini*) *grisea* F. 760. — *Hypera* (*Hyperini*) *punctata* F. 761. — *Cleonus* (*Lixini*) *sulcirostris* L. 762. *Lepyrus* (*Curculionini*) *palustris* Scop. 763. — *Larinus* (*Lixini*) *maurus* 764. — *Curculio* (*Curculionini*) *abietis* L. 765. — *Tanysphyrus* (*Tanysphyrini*) *lemnae* Payk. 766. — *Stenopelmus rufinatus* Gyll. 767. — *Grypидius* (*Erirhinini*) *equiseti* F. 768. — *Dorytomus dejeani* Faust 769. — *Orchestes* (*Orchestini*) *quercus* L. 770. — *Anthonomus* (*Anthonomini*) *rubi* Herbst 771. — *Magdalis* (*Magdalini*) *duplicata* Germ. 772. — *Mecinus* (*Gymnetrini*) *piraster* Herbst 773. — *Cryptorrhynchus* (*Pissodini*) *lapathi* L. 774. — *Cionus* (*Cionini*) *scrophulariae* L. 775. — *Mononychus* (*Ceuthorrhynchini*) *punctum album* Herbst 776. — *Ceuthorrhynchus marginatus* Payk. 777. — *Balaninus* (*Balaninini*) *venosus* Grav. 778. — *Calandra* (*Calandrini*) *oryzae* L. 779. — *Episomus simulator* Faust 780. — *Cossonus* (*Cossonini*) *planatus* Bedel 781. — *Sipalus gigas* 782. — *guinensis* 782. — ? 784. — ? (Kl. Klapperkäfer) 785.

95. Brenthidæ: *Baryrhynchus deluxus* 786. — *Schizotrachelus brevicaudatus* 787. — *Eutrachelus temmincki* 788. — *Diurus furcillatus* Gyll. 789. — ? 790. — *Magacerus pubescens* 791.

A. Dampfs Aegypten-Ausbeute: Thysanoptera.

Von H. Priesner, Linz.

(Mit 8 Textfiguren.)

(Schluß.)

Es liegen mir auch drei zu dieser Art gehörige Puppen vor, die sich durch sehr lange Borsten auszeichnen. Prothorax in derselben Anordnung wie bei der Imago beborstet. Die Flügelscheiden erreichen etwa das 5. Abdominalsegment, die Außenränder der vorderen sind mit je 6 langen Borsten versehen (längste 68 μ), die an kleinen Erhebungen sitzen. Am 9. Abdominaltergit des ♀ sehe ich oben 4 nicht besonders lange (11 μ) Stacheln, die voneinander ziemlich weit abstehen (Abb.). Das letzte Segment ist nicht spitzig ausgezogen.

Fundorte: 2 Larven, 3 Puppen, Madi, 13. VIII. 1919, Sonnenblume, im Gespinst von Spinnmilben!; 1 ♀, 1 Larve, Madi, 16. VIII. 1919, in Blüten der oben (*Anaph. antilope*!) genannten Komposite; 2 ♀♀, Madi, 21. VII. 1919, aus der Lebensgemeinschaft der dichten Bestände einer *Chenopodiacee* (*Echinopsilon* ?) am Niluferhang; 1 Larve, Madi, 13. VIII. 1919, *Echinopsilon* (?), zwischen Milben (!).

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