

INSECTA HELVETICA

Fauna

Herausgegeben von der Schweizerischen Entomologischen Gesellschaft

Ergänzungsband

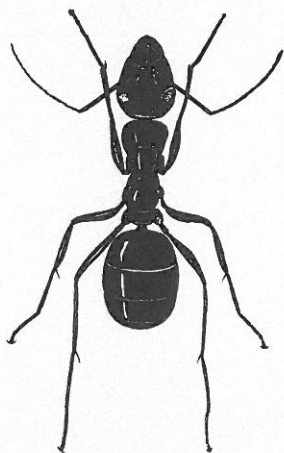
6a

HYMENOPTERA

FORMICIDAE

von

H. KUTTER



1978

Selbstverlag des Verfassers
Druck: Fotorotar AG, Zürich

FIGURENVERZEICHNIS

- | | | | |
|---------|---------------------------------|---|--|
| Fig. 1 | <i>Ponera coarctata</i> | ♂ | |
| Fig. 2 | <i>Ponera coarctata</i> | ♀ | |
| Fig. 3 | <i>Ponera coarctata</i> | ♀ | |
| Fig. 4 | <i>Ponera coarctata</i> | ♀ | Kopf von vorn |
| Fig. 5 | <i>Ponera coarctata</i> | ♀ | 2. Gastertergit (= 4. Abdominalsegment) mit Reibfläche des Stridulationsapparates. In Natur vom Hinterrand des 1. Tergiten überdeckt |
| Fig. 6 | <i>Ponera coarctata</i> | ♀ | Reibfläche des Stridulationsapparates in der Mitte des Vorderrandes des 2. Tergiten |
| Fig. 7 | <i>Ponera coarctata</i> | ♀ | Stielchen von der Seite |
| Fig. 8 | <i>Ponera coarctata</i> | ♂ | Fühler |
| Fig. 9 | <i>Ponera coarctata</i> | ♀ | Fühler |
| Fig. 10 | <i>Ponera coarctata</i> | ♂ | Kopf von vorn |
| Fig. 11 | <i>Hypoponera eduardi</i> | ♂ | Kopf von vorn |
| Fig. 12 | <i>Ponera coarctata</i> | ♂ | Vorderflügel |
| Fig. 13 | <i>Hypoponera eduardi</i> | ♂ | Vorderflügel |
| Fig. 14 | <i>Cryptopone ochraceum</i> | ♀ | Tibie III mit 2 Sporen |
| Fig. 15 | <i>Hypoponera eduardi</i> | ♀ | Kopf von vorn |
| Fig. 16 | <i>Hypoponera punctatissima</i> | ♀ | Flügel |
| Fig. 17 | <i>Hypoponera punctatissima</i> | ♀ | Stielchen von der Seite |
| Fig. 18 | <i>Manica rubida</i> | ♂ | |
| Fig. 19 | <i>Manica rubida</i> | ♂ | |
| Fig. 20 | <i>Manica rubida</i> | ♂ | Flügel |
| Fig. 21 | <i>Manica rubida</i> | ♂ | Mandibel |
| Fig. 22 | Profile der ♀♀ von | | |
| | a) <i>Myrmica laevinodis</i> | | |
| | b) <i>Myrmica ruginodis</i> | | |
| | c) <i>Myrmica jacobsoni</i> | | |
| | d) <i>Myrmica rugulosa</i> | | |
| | e) <i>Myrmica sulcinodis</i> | | |
| Fig. 23 | Epinotaldornen Aufsicht von | | |
| | a) <i>Myrmica rugulosa</i> | ♀ | |
| | b) <i>Myrmica laevinodis</i> | ♀ | |
| | c) <i>Myrmica ruginodis</i> | ♀ | |
| | d) <i>Myrmica scabrinodis</i> | ♀ | |
| | e) <i>Myrmica lobicornis</i> | ♀ | |
| | f) <i>Myrmica schencki</i> | ♀ | |

- g) *Myrmica bibikoffi* ♀
h) *Myrmica bibikoffi* ♀
- Fig. 24 Sporne der Hinterbeine von
a) *Myrmica laevinodis* ♀
b) *Myrmica sulcinodis* ♀
c) *Myrmica sabuleti* ♀
d) *Myrmica vandeli* ♀
e) *Myrmica laevinodis* ♀
f) *Myrmica scabrinodis* ♀
g) *Myrmica laevinodis* ♂
h) *Myrmica scabrinodis* ♂
- Fig. 25 Stielchenglleder in Aufsicht der ♂♂ von
a) *Myrmica sabuleti*
b) *Myrmica slovaca*
c) *Myrmica scabrinodis* (*pilosiscapus* det. FINZI)
- Fig. 26 Fühlerschaft der ♀♀ von
a) *Myrmica laevinodis* Disentis
b) *Myrmica ruginodis* Alpe Cardada
c) *Myrmica rugulosa* Pradella Schuls
d) *Myrmica sulcinodis* Zermatt
e) *Myrmica jacobsoni* Holotypus
f) *Myrmica rolandi* Balearen
g) *Myrmica rugulosoides* Illnau
h) *Myrmica scabrinodis* Valbella Lenzerheide
i) *Myrmica slovaca* Ukraine
k) *Myrmica specioides* San Nazzaro
l) *Myrmica sabuleti*
m) *Myrmica vandeli* Creux-du-Van
- Fig. 27 Fühlerschaft der ♀♀ von
a) *Myrmica schencki* Saas-Fee
b) *Myrmica lobicornis* 1 Saas-Fee
c) *Myrmica lobicornis* 2 Samnaun
d) *Myrmica lobicornis* 3 Stazerwald St. Moritz
e) *Myrmica scabrinodis*
(*pilosiscapus* det. FINZI) Arosa
f) *Myrmica bibikoffi* Typus
g) *Myrmica (striata)* det. FINZI Corteglia
h) *Myrmica lonae* STAERCKE Den Dolder
- Fig. 28 Fühlerschaft von ♀♀ von
a) *Myrmica rugulosoides*
b) *Myrmica specioides*
c) *Myrmica scabrinodis*
d) *Myrmica scabrinodis* (*pilosiscapus* det. FINZI)
e) *Myrmica vandeli*
d) *Myrmica sabuleti*

- Fig. 29 Fühlerschaft von ♀♀ von
- | | |
|-------------------------------|----------------------|
| a) <i>Myrmica laevinodis</i> | Disentis |
| b) <i>Myrmica ruginodis</i> | Alpe Cardada Locarno |
| c) <i>Myrmica jacobsoni</i> | Holotypus |
| d) <i>Myrmica rugulosa</i> | Pradella b. Schuls |
| e) <i>Myrmica sulcinodis</i> | Zermatt |
| f) <i>Myrmica scabrinodis</i> | Valbella Lenzerheide |
| g) <i>Myrmica sabuleti</i> | Pfynwald Wallis |
| h) <i>Myrmica lobicornis</i> | Saas-Fee |
- Fig. 30 Fühlerschaft von vorn, oben und hinten von
- | | |
|--------------------------------|------------------|
| a) <i>Myrmica sabuleti</i> | Schuls |
| b) <i>Myrmica scabrinodis</i> | Süs Unterengadin |
| c) <i>Myrmica rugulosoides</i> | Roche |
| d) <i>Myrmica specioidea</i> | San Nazzaro |
| e) <i>Myrmica pradella</i> | Pradella Schuls |
| f) <i>Myrmica sulcinodis</i> | |
- Fig. 31 Fühlerschaft von ♀♀ von vorn, oben und hinten von
- | | |
|------------------------------|--|
| a) <i>Myrmica schencki</i> | |
| b) <i>Myrmica lobicornis</i> | |
| c) <i>Myrmica lobicornis</i> | |
| d) <i>Myrmica lobicornis</i> | |
- Fig. 32 Fühlerschaft von ♂♂ von
- | | |
|--------------------------------|-----------------------------|
| a) <i>Myrmica specioidea</i> | San Nazzaro |
| b) <i>Myrmica rugulosa</i> | Brissago |
| c) <i>Myrmica rugulosoides</i> | Roche |
| d) <i>Myrmica schencki</i> | Männedorf |
| e) <i>Myrmica scabrinodis</i> | Männedorf |
| f) <i>Myrmica slovacica</i> | Ukraine |
| g) <i>Myrmica jacobsoni</i> | (mit starker Stirnrinne) |
| h) <i>Myrmica sabuleti</i> | Männedorf (ohne Stirnrinne) |
- Fig. 33 Fühlerschaft und erste Geisselglieder von ♂♂ von
- | | |
|------------------------------|--|
| a) <i>Myrmica lobicornis</i> | |
| b) <i>Myrmica bibikoffi</i> | |
| c) <i>Myrmica sabuleti</i> | |
| d) <i>Myrmica schencki</i> | |
- Fig. 34 Kopf von *Myrmica lonae* ♀
- Fig. 35 Fühlerschaft von *Myrmica lonae* AL AQUA ♀ Nufenen
- Fig. 36 *Myrmica rolandi* Balearen ♀
- Fig. 37 *Myrmica rolandi* Balearen ♀ Kopf von vorn
- Fig. 38 *Myrmica rolandi* Balearen ♀ Kopf von oben
- Fig. 39 *Stenamma petiolatum* ♂ San Nazzaro
- Fig. 40 *Aphaenogaster gibbosa* ♀ Peney bei Genf
- Fig. 41 *Cremastogaster sordidula* ♂ Thoraxprofil
- Fig. 42 *Cremastogaster sordidula* ♂ Genitalapparat von der Seite und von oben

- Fig. 43 *Cremastogaster sordidula* ♂ Kopf von vorn
 Fig. 44 *Cremastogaster sordidula* ♂ Fühler
 Fig. 45 *Cremastogaster sordidula* ♀ von der Seite
 Fig. 46 *Cremastogaster sordidula* ♀ Thorax von oben
 Fig. 47 *Monomorium pharaonis* ♀ Kopf von vorn
 Fig. 48 *Monomorium salomonis* ♀ von der Seite
 Fig. 49 *Monomorium salomonis* ♀ Stielchen von oben
 Fig. 50 *Monomorium salomonis* ♀ von der Seite
 Fig. 51 *Diplorhoptrum spec.* ♀ Pfywald von der Seite
 Fig. 52 *Diplorhoptrum spec.* ♀ Pfywald von oben
 Fig. 51 *Diplorhoptrum spec.* ♂ San Nazzaro Kopf von vorn
 Fig. 52 *Diplorhoptrum spec.* ♂ San Nazzaro Kopf v. d. Seite
 Fig. 53 *Diplorhoptrum spec.* ♀ San Nazzaro Kopf von vorn
 Fig. 54 *Diplorhoptrum* ♀ Männedorf Kopf von vorn
 Fig. 55 *Diplorhoptrum* ♀ Montagnola Thorax v. d. Seite
 Fig. 56 *Diplorhoptrum monticola* leg. BERNARD ♀ Kopf von vorn
 Fig. 57 *Diplorhoptrum spec.* ♀ San Nazzaro Vorderkopf
 Fig. 58 Profile des Epinotums und Stielchens von ♀♀ von
 a) *Leptothorax acervorum*
 b) *Leptothorax diversipilosus* aus den USA
 c) *Formicoxenus nitidulus*
 d) *Epimyrma stumperi*
 Fig. 59 Profile des Epinotums und Stielchens von ♀♀ von
 a) *Leptothorax acervorum*
 b) *Leptothorax diversipilosus* aus den USA
 c) *Formicoxenus nitidulus*
 d) *Doronomyrmex pacis*
 Fig. 60 Profile von Epinotum und Stielchen von ♂♂ von
 a) *Leptothorax acervorum* Laggintal Simplon
 b) *Leptothorax buschingeri* Laggintal Simplon
 c) *Leptothorax acervorum* Laggintal Simplon
 d) *Leptothorax buschingeri* Laggintal Simplon
 alle aus der gleichen Kolonie
 Fig. 61 *Leptothorax acervorum* ♀
 Fig. 62 *Leptothorax gredleri* ♀
 Fig. 63 *Leptothorax muscorum* ♀
 Fig. 64 *Leptothorax acervorum* ♀ Hinterbein
 Fig. 65 *Leptothorax gredleri* ♀ Hinterbein
 Fig. 66 *Leptothorax muscorum* ♀ Hinterbein
 Fig. 67 *Leptothorax gredleri* ♂ Vorderbein
 Fig. 68 *Leptothorax gredleri* ♂ Mittelbein
 Fig. 69 *Leptothorax gredleri* ♂ Hinterbein
 Fig. 70 *Leptothorax*
 a) Epinotum ♀ von *L. acervorum*

b) Bein	♀	von <i>L. acervorum</i>	
c) Epinotum	♀	von <i>L. muscorum</i>	
d) Bein	♀	von <i>L. muscorum</i>	
e) Epinotum	♀	von <i>L. gredleri</i>	
f) Bein	♀	von <i>L. gredleri</i>	
Fig. 71 <i>Leptothorax acervorum</i>	♂	Mittelbein	
Fig. 72 <i>Leptothorax acervorum</i>	♂	Vorderflügel	
Fig. 73 <i>Leptothorax gredleri</i>	♀	Profil des Epinotums	
Fig. 74 <i>Leptothorax gredleri</i>	♂	Profil des Epinotums	
Fig. 75 <i>Leptothorax muscorum</i>	♀	Profil des Epinotums	
Fig. 76 <i>Leptothorax muscorum</i>	♂	Profil des Epinotums	
Fig. 77 <i>Leptothorax acervorum</i>	♀	Profil des Epinotums	
Fig. 78 <i>Leptothorax acervorum</i>	♂	Profil des Epinotums	
Fig. 79 <i>Epimyrmica stumperi</i>	♀	Fühlerwurzel	
Fig. 80 <i>Epimyrmica goesswaldi</i>	♀	Fühlerwurzel	
Fig. 81 <i>Leptothorax tuberum</i>	♀	Fühlerwurzel	
Fig. 82 <i>Formicoxenus nitidulus</i>	♀	Fühlerwurzel	
Fig. 83 <i>Leptothorax acervorum</i>	♀	Fühlergeißel	
Fig. 84 <i>Leptothorax muscorum</i>	♀	Fühlergeißel	Pradella
Fig. 85 <i>Leptothorax gredleri</i>	♀	Fühlergeißel	Würzburg
Fig. 86 <i>Leptothorax flavicornis</i>	♀	Fühlergeißel	
Fig. 87 <i>Leptothorax</i>	♀♀	Fühlergeißeln von	
a) <i>Leptothorax acervorum</i>			
b) <i>Leptothorax muscorum</i>			
c) <i>Leptothorax flavicornis</i>			
Fig. 88 <i>Leptothorax goesswaldi</i>	♂		
Fig. 89 <i>Leptothorax acervorum</i>	♂	Eggerhorn	
Fig. 90 <i>Leptothorax acervorum</i>	♂	Saas-Fee	
Fig. 91 <i>Leptothorax acervorum</i>	♂	Disentis, Stielchen von oben	
Fig. 92 <i>Leptothorax acervorum</i>	♂	Sagitta	
Fig. 93 <i>Leptothorax acervorum</i>	♀		
Fig. 94 <i>Leptothorax acervorum</i>	♀	Profil des Stielchens	
Fig. 95 <i>Leptothorax muscorum</i>	♀	Profil des Epinotums	
Fig. 96 <i>Leptothorax muscorum</i>	♂	Profil des Epinotums	
Fig. 97 <i>Leptothorax muscorum</i>	♀	Profil des Petiolus	
Fig. 98 <i>Leptothorax muscorum</i>	♀	Thorax von oben	
Fig. 99 <i>Leptothorax muscorum</i>	♀	Würzburg von der Seite	
Fig. 100 <i>Leptothorax muscorum</i>	♂	Vorderbein	
Fig. 101 <i>Leptothorax muscorum</i>	♀	Würzburg, Kopf von vorn	
Fig. 102 <i>Leptothorax muscorum</i>	♂	Kopf von vorn	
Fig. 103 <i>Leptothorax muscorum</i>	♀	Profil des Stielchens	
Fig. 104 <i>Leptothorax goesswaldi</i>	♂	Bellwald, von der Seite	
Fig. 105 <i>Leptothorax goesswaldi</i>	♂	Kopf von vorn	
Fig. 106 <i>Leptothorax goesswaldi</i>	♂	Subgenitalplatte	
Fig. 107 <i>Leptothorax goesswaldi</i>	♂	Genitalapparat	

- Fig. 108 *Leptothorax goesswaldi*
 Fig. 109 *Leptothorax goesswaldi*
 Fig. 110 *Leptothorax gredleri*
 Fig. 111 *Leptothorax muscorum*
 Fig. 112 *Leptothorax gredleri*
 Fig. 113 *Leptothorax gredleri*
 Fig. 114 *Leptothorax gredleri*
 Fig. 115 *Leptothorax gredleri*
 Fig. 116 *Leptothorax gredleri*
 Fig. 117 *Leptothorax buschingeri*
 Fig. 118 *Leptothorax buschingeri*
 Fig. 119 *Leptothorax buschingeri*
 Fig. 120 *Leptothorax buschingeri*
 Fig. 121 *Leptothorax kutteri*
 Fig. 122 *Leptothorax kutteri*

 Fig. 123 *Leptothorax kutteri*
 Fig. 124 *Leptothorax kutteri*
 Fig. 125 *Leptothorax flavicornis*
 Fig. 126 *Leptothorax flavicornis*
 Fig. 127 *Leptothorax flavicornis*
 Fig. 128 *Leptothorax flavicornis*
 Fig. 129 *Leptothorax flavicornis*
 Fig. 130 *Leptothorax flavicornis*
 Fig. 131 *Leptothorax flavicornis*
 Fig. 132 *Leptothorax flavicornis*
 Fig. 133 *Leptothorax flavicornis*
 Fig. 134 *Leptothorax affinis*
 Fig. 135 *Leptothorax affinis*
 Fig. 136 *Leptothorax affinis*
 Fig. 137 *Leptothorax affinis*
 Fig. 138 *Leptothorax nadigi*
 Fig. 139 *Leptothorax nadigi*
 Fig. 140 *Leptothorax corticalis*
 Fig. 141 *Leptothorax corticalis*
 Fig. 142 *Leptothorax interruptus*
 Fig. 143 *Leptothorax interruptus*
 Fig. 144 *Leptothorax interruptus*
 Fig. 145 *Leptothorax interruptus*
 Fig. 146 *Leptothorax interruptus*
 Fig. 147 *Leptothorax interruptus*
 Fig. 148 *Leptothorax luteus*
 Fig. 149 *Leptothorax luteus*

 Fig. 150 *Leptothorax luteus*
- ♀ Saas-Fee
 ♀ Saas-Fee, Stielchenprofil
 ♀ Würzburg, Profil
 ♀ Würzburg, Profil
 ♀ Profil des Epinotums
 ♂ Profil des Stielchens
 ♂ Profil des Epinotums
 ♀ Kopf von vorn
 ♂ Kopf von vorn
 ♂ Profil d. Stielchens Holotypus
 ♂ Paratypus I
 ♂ Paratypus II
 ♂ Profil
 ♂
 ♂ Profil von Epinotum und Stielchen
 ♂ Geschlechtsapparat
 ♂ Vorderflügel
 ♀ San Nazzaro TI
 ♂
 ♂ Kopf von vorn
 ♂ Fühler
 ♂ Flügelpaar
 ♀ Profil des Stielchens

 ♀ Fühler
 ♀ Vorderflügel
 ♀
 ♀
 ♀ Kopf von vorn
 ♀ Epinotaldorn
 ♀ Chur
 ♀
 ♂
 ♀
 ♀ Thoraxprofil, Zürichberg
 ♀ Thoraxprofil, Pfynwald
 ♀ Thoraxprofil, Chasseral
 ♀ Thoraxprofil, Pfynwald
 ♀ Thoraxprofil, Würzburg
 ♂ Thoraxprofil
 ♀ Profil
 ♀ Epinotum und Stielchen im Profil
 ♀ Kopf von vorn

- Fig. 151 *Leptothorax luteus*
 Fig. 152 *Leptothorax luteus*
 Fig. 153 *Leptothorax nylanderi*
 Fig. 154 *Leptothorax parvulus*
 Fig. 155 *Leptothorax nylanderi*
 Fig. 156 *Leptothorax parvulus*
 Fig. 157 *Leptothorax nylanderi*
 Fig. 158 *Leptothorax parvulus*
 Fig. 159 *Leptothorax parvulus*
 Fig. 160 *Leptothorax parvulus*
 Fig. 161 *Leptothorax racovitzai*
 Fig. 162 *Leptothorax racovitzai*
 Fig. 163 *Leptothorax racovitzai*
 Fig. 164 *Leptothorax racovitzai*

 Fig. 165 *Leptothorax racovitzai*
 Fig. 166 *Leptothorax racovitzai*
 Fig. 167 *Leptothorax unifasciatus*
 Fig. 168 *Leptothorax unifasciatus*
 Fig. 169 *Leptothorax unifasciatus*

 Fig. 170 *Leptothorax unifasciatus*
 Fig. 171 *Leptothorax unifasciatus*
 Fig. 172 *Leptothorax unifasciatus*
 Fig. 173 *Leptothorax tuborum*
 Fig. 174 *Leptothorax tuborum*
 Fig. 175 *Leptothorax tuborum*
 Fig. 176 *Leptothorax tuborum*
 Fig. 177 *Leptothorax tuborum*
 Fig. 178 *Leptothorax corticalis*
 Fig. 179 *Leptothorax nylanderi*
 Fig. 180 *Leptothorax parvulus*
 Fig. 181 *Leptothorax unifasciatus*
 Fig. 182 *Leptothorax tuborum*
 Fig. 183 *Leptothorax nigriceps*
 Fig. 184 *Leptothorax interruptus*
 Fig. 185 *Chalepoxenus siciliensis*
 Fig. 186 *Chalepoxenus muellerianus*
 Fig. 187 *Chalepoxenus muellerianus*
 Fig. 188 *Chalepoxenus siciliensis*
 Fig. 189 *Chalepoxenus muellerianus*
 Fig. 190 *Chalepoxenus insubricus*
 Fig. 191 *Chalepoxenus muellerianus*
 Fig. 192 *Chalepoxenus gribodoi*
 Fig. 193 *Chalepoxenus siciliensis*
- ♀ Fühler
 ♀ Epinotaldornen von oben
 ♀ Bözingen, Thoraxprofil
 ♀ Pfynwald, Thoraxprofil
 ♀ Thoraxprofil
 ♀ Pfynwald
 ♀ Bözingen, Kopf von vorn
 ♀ Pfynwald, Thoraxprofil
 ♀ Saas-Fee, Thoraxprofil
 ♀ Pfynwald, Kopf von vorn
 ♀ Kopf von vorn
 ♀ Thorax im Profil
 ♀ Epinotaldornen von oben
 ♂ Soussillon VS, Thorax im Profil
 ♂ Kopf von vorn
 ♂ Fühler
 ♂ Mesocco, Profil
 ♀ Alpe Cardada, von oben
 ♀ Alpe Cardada, Stielchen im Profil
 ♀ Thorax im Profil
 Vorderflügel
 ♂ Fühler
 ♂ Thorax im Profil
 ♂ Kopf von vorn, Zermatt
 ♀ im Profil, Pfynwald
 ♀ im Profil, Saas-Fee
 ♀ Kopf von vorn, Pfynwald
 ♂ Stielchen im Profil
 ♂ Stielchen im Profil
 ♂ Stielchen im Profil
 ♂ Stielchen im Profil
 ♂ Stielchen im Profil
 ♂ Stielchen im Profil
 ♂ Stielchen im Profil
 ♂ Stielchen im Profil
 ♀ von oben
 ♀ im Profil
 ♀ im Profil
 ♂ Stielchen von oben
 ♂ Stielchen von oben
 ♀ Thoraxprofil
 ♀ Thoraxprofil
 ♀ Thoraxprofil

Fig. 194	<i>Chalepoxenus kutteri</i>	♀	Thoraxprofil
Fig. 195	<i>Chalepoxenus insubricus</i>	♀	Thoraxprofil
Fig. 196	<i>Chalepoxenus muellerianus</i>	♀	Thoraxprofil
Fig. 197	<i>Chalepoxenus insubricus</i>	♀	Thoraxprofil
Fig. 198	<i>Chalepoxenus siciliensis</i>	♀	Thoraxprofil
Fig. 199	<i>Chalepoxenus kutteri</i>	♀	Thoraxprofil
Fig. 200	<i>Chalepoxenus kutteri</i>	♂	Thoraxprofil
Fig. 201	<i>Chalepoxenus kutteri</i>	♂	Thoraxprofil
Fig. 202	<i>Chalepoxenus muellerianus</i>	♂	Thoraxprofil
Fig. 203	<i>Chalepoxenus insubricus</i>	♂	Thoraxprofil
Fig. 204	<i>Epimyrmica stumperi</i>	♀	Profil und Obersicht
Fig. 205	<i>Epimyrmica stumperi</i>	♂	Profil und Obersicht
Fig. 206	<i>Epimyrmica stumperi</i>	♀	Profil
Fig. 207	<i>Doronomyrmex pacis</i>	♀	Kopf von vorn
Fig. 208	<i>Doronomyrmex pacis</i>	♀	Epinotum und Stielchen von oben
Fig. 209	<i>Doronomyrmex pacis</i>	♂	Kopf von vorn
Fig. 210	<i>Doronomyrmex pacis</i>	♂	Epinotum und Stielchen von oben
Fig. 211	<i>Doronomyrmex pacis</i>	♀	Profil
Fig. 212	<i>Doronomyrmex pacis</i>	♂	Profil
Fig. 213	<i>Leptothorax kutteri</i>	♀	Profil
Fig. 214	<i>Leptothorax kutteri</i>	♂	Profil
Fig. 215	<i>Leptothorax kutteri</i>	♀	Kopf von vorn
Fig. 216	<i>Leptothorax kutteri</i>	♀	Stielchen von oben
Fig. 217	<i>Doronom. pacis</i> ♂ x <i>Lept. kutteri</i>	♂	Profil
Fig. 218	idem		Flügel
Fig. 219	idem		Kopf von vorn
Fig. 220	idem		Stielchen von oben
Fig. 221	<i>Strongylognathus huberi</i>	♀	Kopf von vorn, Fully
Fig. 222	<i>Strongylognathus alpinus</i>	♀	Kopf von vorn, Binn
Fig. 223	<i>Strongylognathus alboini</i>	♀	Kopf von vorn, Roveredo
Fig. 224	2 x <i>Strongylognathus testaceus</i>	♂	Kopf von d. Seite u. von vorn
Fig. 225	2 x <i>Strongylognathus alpinus</i>	♂	Kopf von d. Seite u. von vorn
Fig. 226	2 x <i>Strongylognathus alboini</i>	♂	Kopf von d. Seite u. von vorn
Fig. 227	<i>Epitritus argiolus</i>	♂	Kopf von vorn
Fig. 228	<i>Tapinoma erraticum</i>	♀	Kopf von vorn
Fig. 229	<i>Tapinoma erraticum</i>	♀	Thoraxprofil
Fig. 230	<i>Tapinoma erraticum</i>	♀	
Fig. 231	<i>Tapinoma ambiguum</i> ?	♀	
Fig. 232	<i>Tapinoma erraticum</i>	♀	Genf, Profil
Fig. 233	<i>Tapinoma erraticum</i>	♀	Genf, Kopf von vorn
Fig. 234	<i>Tapinoma</i> sp ?	♀	St. Luc, weiss (leg. BUSCHINGER) Kopf von vorn

- Fig. 235 *Tapinoma* sp ? ♀ St. Luc, im Profil
 Fig. 236 *Tapinoma* sp ? ♀ St. Luc, im Profil
 Fig. 237 *Formicinae* (*Lasius umbratus*) ♂ Clypeus vor den Fühlerwurzeln
 Fig. 238 *Dolichoderinae* (*Tapinoma erraticum*) ♂ Clypeus zwischen den Fühlerwurzeln
 Fig. 239 *Plagiolepis vindobonensis* ♀ Fühlerformeln von a-f (6 Tieren), Bözingerberg
 Fig. 240 *Plagiolepis vindobonensis* ♀ Thorax im Profil und von oben Bellinzona
 Fig. 241 *Plagiolepis vindobonensis* a) vom ♀ Fühler (Mosel leg. v. BOVEN)
 b) vom ♂ Fühler (Mosel leg. v. BOVEN)
 Fig. 242 *Plagiolepis pygmaea* ♀ Fühler, Monte Bré
 Fig. 243 *Plagiolepis pygmaea* ♀ Thorax im Profil und von oben, Brissago
 Fig. 244 *Plagiolepis pygmaea* ♀ Fühlerformeln von 6 Tieren (a-f)
 Fig. 245 Fühler von ♂♂ von
 a) *Lasius fuliginosus*
 b) *Lasius flavus*
 c) *Formica fusca*
 d) *Formica polyctena*
 Fig. 246 *Lasius umbratus* ♂ Schuppe von hinten, Zermatt
 Fig. 247 *Lasius umbratus* ♂ Schuppe von der Seite
 Fig. 248 *Lasius mixtus* ♂ Schuppe von vorn, Männedorf
 Fig. 249 *Lasius mixtus* ♂ Schuppe von der Seite
 Fig. 250 *Lasius rabaudi* ♂ Schuppe von hinten, Tschamutt GR
 Fig. 251 *Lasius rabaudi* ♂ Schuppe von der Seite Tschamutt GR
 Fig. 252 *Lasius flavus* ♂ Schuppe von hinten
 Fig. 253 *Lasius brunneus* ♂ Epinotum und Schuppe von der Seite
 Fig. 254 *Lasius umbratus* ♀ Schuppe von der Seite
 Fig. 255 *Lasius umbratus* ♀ Schuppe von hinten
 Fig. 256 *Lasius rabaudi* ♀ Schuppe von der Seite
 Fig. 257 *Lasius rabaudi* ♀ Schuppe von vorn (?)
 Fig. 258 *Lasius mixtus* ♀ Schuppe von vorn, Flawil
 Fig. 259 *Lasius affinis* ♀ Schuppe von vorn, Triest (leg. FINZI)
 Fig. 260 *Lasius affinis* ♀ Schuppe von der Seite, Triest (leg. FINZI)
 Fig. 261 *Lasius brunneus* ♀ Schuppe von hinten, Moncherant

Fig. 262	<i>Lasius carnolicus</i>	♀	Kopf von vorn, Pfynwald
Fig. 263	<i>Lasius carnolicus</i>	♀	Bein
Fig. 264	<i>Lasius carnolicus</i>	♂	Kopf und Thorax im Profil
Fig. 265	<i>Lasius reginae</i>	♀	Bein
Fig. 266	<i>Lasius reginae</i>	♀	Kopf von vorn
Fig. 267	<i>Lasius bicornis</i>	♂	Kopf von vorn, Reinach
Fig. 268	<i>Lasius bicornis</i>	(♂?)	Schuppe
Fig. 269	<i>Lasius bicornis</i>	♂	Mandibeln
Fig. 270	<i>Lasius bicornis</i>	♂	Schuppe von vorn
Fig. 271	<i>Lasius bicornis</i>	♂	Schuppe von der Seite
Fig. 272	<i>Lasius bicornis</i>	♂	Lacinia
Fig. 273	<i>Lasius bicornis</i>	♂	Stipes
Fig. 274	<i>Lasius bicornis</i>	♂	Sagitta
Fig. 275	<i>Lasius fuliginosus</i>	♀	Thoraxprofil
Fig. 276	<i>Lasius carnolicus</i>	♀	Thoraxprofil
Fig. 277	<i>Lasius umbratus</i>	♀	Thoraxprofil
Fig. 278	<i>Lasius flavus</i>	♀	Thoraxprofil
Fig. 279	<i>Lasius niger</i>	♀	Thoraxprofil
Fig. 280	<i>Lasius fuliginosus</i>	♂	Mandibel
Fig. 281	<i>Lasius emarginatus</i>	♂	Mandibel
Fig. 282	<i>Lasius niger</i>	♂	Mandibel
Fig. 283	<i>Lasius brunneus</i>	♂	Mandibel
Fig. 284	<i>Lasius flavus</i>	♂	Mandibel
Fig. 285	<i>Lasius mixtus</i>	♂	Mandibel
Fig. 286	<i>Camponotus ligniperda</i>	♂	Profil
Fig. 287	<i>Camponotus ligniperda</i>	♀	Profil
Fig. 288	<i>Camponotus ligniperda</i>	♀	Profil
Fig. 289	<i>Camponotus ligniperda</i>	♀	gross Aufsicht
Fig. 290	<i>Camponotus ligniperda</i>	♀	mittelgross Aufsicht
Fig. 291	<i>Camponotus ligniperda</i>	♀	klein Aufsicht
Fig. 292	<i>Camponotus universitatis</i>	♀	Kopf von vorn
Fig. 293	<i>Camponotus universitatis</i>	♀	Mittelbein
Fig. 294	<i>Camponotus aethiops</i>	♀	Kopf von vorn
Fig. 295	<i>Camponotus aethiops</i>	♀	Mittelbein
Fig. 296	<i>Camponotus aethiops</i>	♀	von der Seite
Fig. 297	<i>Camponotus aethiops</i>	♂	von der Seite
Fig. 298	<i>Camponotus piceus</i>	♀	Kopf und Thorax von vorn
Fig. 299	<i>Camponotus dalmaticus</i>	♀	Thorax von der Seite
Fig. 300	<i>Camponotus dalmaticus</i>	♂	Kopf von vorn
Fig. 301	<i>Camponotus dalmaticus</i>	♀	Kopf von vorn
Fig. 302	<i>Camponotus dalmaticus</i>	♀	von der Seite
Fig. 303	<i>Camponotus dalmaticus</i>	♂	von der Seite
Fig. 304	<i>Camponotus dalmaticus</i>	♀	von der Seite
Fig. 305	<i>Formica fusca</i>	♀	Kiefertaster
Fig. 306	<i>Formica fusca</i>	♀	Lippentaster

Fig. 307 <i>Formica fusca</i>	♀ Mandibeln
Fig. 308 <i>Formica fusca</i>	♀ major, Kopf von vorn
Fig. 309 <i>Formica fusca</i>	♀ minor, Kopf von vorn
Fig. 310 <i>Formica gagates</i>	♂ Thorax von oben
Fig. 311 <i>Formica gagates</i>	♀ Kopf von vorn
Fig. 312 <i>Formica gagates</i>	♀ Hinterbein
Fig. 313 <i>Formica gagates</i>	♀ Stirnfeld
Fig. 314 <i>Formica gagates</i>	♀ Thoraxprofil, Tessin
Fig. 315 <i>Formica fusca</i>	♀ Thoraxprofil, Engadin
Fig. 316 <i>Formica picea</i>	♀ Thoraxprofil, Rotkreuz
Fig. 317 <i>Formica picea</i>	♂ Thorax von oben
Fig. 318 <i>Formica picea</i>	♀ Kopf von vorn
Fig. 319 <i>Formica picea</i>	♀ Kiefertaster
Fig. 320 <i>Formica picea</i>	♀ Stirnfeld
Fig. 321 <i>Formica cinerea</i>	♀ Seitenansicht
Fig. 322 <i>Formica cinerea</i>	♀ Kopf von vorn
Fig. 323 <i>Formica cinerea</i>	♂ Kopf von der Seite
Fig. 324 <i>Formica cinerea</i>	♂ Hinterbein
Fig. 325 <i>Formica cinerea</i>	♂ Schuppe
Fig. 326 <i>Formica selysi</i>	♀ Seitenansicht
Fig. 327 <i>Formica selysi</i>	♀ Hinterbein
Fig. 328 <i>Formica lefrancoisi</i>	♀ Seitenansicht
Fig. 329 <i>Formica lefrancoisi</i>	♀ Schuppe von vorn
Fig. 330 <i>Formica lefrancoisi</i>	♂ Kopf von vorn
Fig. 331 <i>Formica lefrancoisi</i>	♂ Schuppe, Uzwil
Fig. 332 <i>Formica lefrancoisi</i>	♀ Thoraxprofil, Il Fuorn
Fig. 333 <i>Formica lefrancoisi</i>	♀ Thoraxprofil, Grono
Fig. 334 <i>Formica lefrancoisi</i>	♀ Thoraxprofil, Schmerikon
Fig. 335 <i>Formica cinereo-rufibarbis</i>	Seitenansicht
Fig. 336 <i>Formica uralensis</i>	♀ Seitenansicht
Fig. 337 <i>Formica uralensis</i>	♀ Kopf von vorn
Fig. 338 <i>Formica uralensis</i>	♀ Thorax von oben
Fig. 339 <i>Formica uralensis</i>	♀ 6. Geisselglied
Fig. 340 <i>Formica uralensis</i>	♀ Fühlergeissel
Fig. 341 <i>Formica uralensis</i>	♀ 2. Geisselglied
Fig. 342 <i>Formica uralensis</i>	♀ Seitenansicht
Fig. 343 <i>Formica uralensis</i>	♀ Kopf von vorn
Fig. 344 <i>Formica uralensis</i>	♀ von oben
Fig. 345 <i>Formica uralensis</i>	♀ Hinterbein
Fig. 346 <i>Formica uralensis</i>	♀ Fühlergeisselanfang

Fig. 347–356 Behaarung und Skulptur auf 2. Tergit von ♀♀ von *Formica*

Fig. 357 *Coptoformica bruni* ♀ Seitenansicht, Monnaz
(leg. FOREL)

Fig. 358 *Coptoformica foreli* ♀ Cotypus, Vaux

Fig. 359 Kiefertaster von ♂♂ von *Coptoformica*

- a) *exsecta*
- b) *forsslundi*
- c) *naefi*
- d) *foreli* (?)
- e) *pressilabris*
- f) *foreli*
- g) *bruni*
- h) *foreli*

Fig. 360 Kiefertaster von 2 ♂♂ aus der gleichen Kolonie von *C. pressilabris*, Zermatt 1919:

a) und b) 1. Tier, c) 2. Tier

- | | |
|---|-------------------------------------|
| Fig. 361 <i>Coptoformica pressilabris</i> | ♀ Schuppenoberrand, Binn |
| Fig. 362 <i>Coptoformica pressilabris</i> | ♀ Schuppenoberrand, Binn |
| Fig. 363 <i>Coptoformica pressilabris</i> | ♀ Schuppenoberrand, Binn |
| Fig. 364 <i>Coptoformica pressilabris</i> | ♀ Schuppenoberrand, Zinal |
| Fig. 365 <i>Coptoformica forsslundi</i> | ♀ Schuppenoberrand, Sihlsee |
| Fig. 366 <i>Coptoformica forsslundi</i> | ♀ Schuppenoberrand, Schweden |
| Fig. 367 <i>Coptoformica forsslundi</i> | ♀ Schuppenoberrand, Schweden |
| Fig. 368 <i>Coptoformica forsslundi</i> | ♀ Schuppenoberrand, Sihlsee |
| Fig. 369 <i>Coptoformica exsecta</i> | ♀ Schuppenoberrand |
| Fig. 370 <i>Coptoformica exsecta</i> | ♀ Schuppenoberrand, Stavelchod Park |

Fig. 371 *Coptoformica exsecta*

♀ Schuppenoberrand, Alpa Cardada TI

- | | |
|---------------------------------------|------------------------------|
| Fig. 372 a) <i>Coptoformica naefi</i> | ♀ Schuppenoberrand, Pradella |
| b) <i>Coptoformica naefi</i> | ♀ Schuppenoberrand, Pradella |
| c) <i>Coptoformica naefi</i> | ♀ Schuppenoberrand, Pradella |
| d) <i>Coptoformica naefi</i> | ♀ Schuppenoberrand, Pradella |

Fig. 373 a) *Coptoformica bruni*

♀ Schuppenoberrand ?

Fig. 374 b) *Coptoformica bruni*

♀ Schuppenoberrand

c) *Coptoformica bruni*

♀ Schuppenoberrand

d) *Coptoformica bruni*

♀ Schuppenoberrand

Fig. 374 a) *Coptoformica goesswaldi*

♀ Schuppenoberrand, Soglio

b) *Coptoformica goesswaldi*

♀ Schuppenoberrand, Soglio

c) *Coptoformica goesswaldi*

♀ Schuppenoberrand, Soglio

d) *Coptoformica goesswaldi*

♀ Schuppenoberrand, Soglio

Fig. 375 a) *Coptoformica exsecta*

♀ Schuppenoberrand, Lukmanierpass 8mal

b) *Coptoformica exsecta*

♀ Schuppenoberrand, Lukmanierpass 8mal

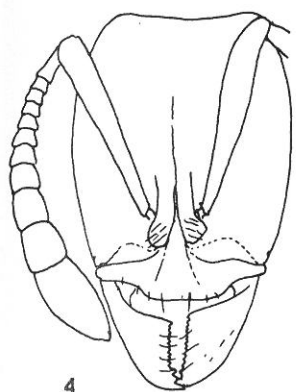
c) *Coptoformica exsecta*

♂ Schuppenoberrand, Lukmanierpass 7mal

d) *Coptoformica exsecta*

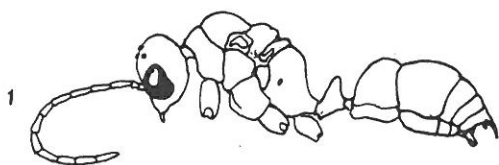
♂ Schuppenoberrand, Lukmanierpass 7mal

e) <i>Coptoformica exsecta</i>	♀ Schuppenoberrand Lukmanierpass	21mal
f) <i>Coptoformica exsecta</i>	♀ Schuppenoberrand Lukmanierpass	21mal
Fig. 376 <i>Coptoformica bruni</i>	♀ Kopf von vorn	
Fig. 377 <i>Coptoformica bruni</i>	♀ Kopf von der Seite	
Fig. 378 <i>Coptoformica goesswaldi</i>	♀ Kopf von vorn	
Fig. 379 <i>Coptoformica foreli</i> Cotypus	♀ Kopf von vorn	
Fig. 380 <i>Coptoformica goesswaldi</i>	♀ Kopf von vorn	
Fig. 381 <i>Coptoformica naefi</i>	♀ Kopf von vorn	
Fig. 382 <i>Coptoformica pressilabris</i>	♀ Kopf von vorn	
Fig. 383 <i>Coptoformica bruni</i>	♀ Kopf von vorn	
Fig. 384 <i>Coptoformica exsecta</i>	♂ Kopf von vorn, Il Fuorn	
Fig. 385 <i>Coptoformica pressilabris</i>	♂ Kopf von vorn, Saas-Fee	
Fig. 386 <i>Coptoformica forsslundi</i>	♂ Kopf von vorn	
Fig. 387 <i>Coptoformica naefi</i>	♂ Kopf von vorn, Pradella	
Fig. 388 <i>Coptoformica bruni</i>	♂ Kopf von vorn, Findelen	
Fig. 389 <i>Coptoformica goesswaldi</i>	♂ Kopf von vorn, Soglio	
Fig. 390 <i>Coptoformica exsecta</i>	♂ Kopf von der Seite, Il Fuorn	
Fig. 391 <i>Coptoformica goesswaldi</i>	♂ Kopf von der Seite, Soglio	
Fig. 392 <i>Coptoformica bruni</i>	♂ Kopf von der Seite, Evolène	
Fig. 393 <i>Coptoformica forsslundi</i>	♂ Kopf von der Seite, Sihlsee	
Fig. 394 <i>Coptoformica pressilabris</i>	♂ Kopf von der Seite, Saas-Fee	
Fig. 395 <i>Coptoformica naefi</i>	♂ Kopf von der Seite, Pradella	
Fig. 396 <i>Coptoformica naefi</i>	♂ Subgenitalplatte	
Fig. 397 <i>Coptoformica naefi</i>	♂ Penicillum	
Fig. 398 <i>Coptoformica naefi</i>	♂ Genitalapparat, Stipes, etc.	
Fig. 399 <i>Coptoformica naefi</i>	♂ Genitalapparat, Sagitta	
Fig. 400 <i>Coptoformica goesswaldi</i>	♂ Genitalapparat, Sagitta, Soglio	
Fig. 401 <i>Coptoformica goesswaldi</i>	♂ Subgenitalplatte, Soglio	
Fig. 402 <i>Coptoformica goesswaldi</i>	♂ Penicillum	
Fig. 403 <i>Coptoformica goesswaldi</i>	♂ Genitalapparat, Stipes, etc.	

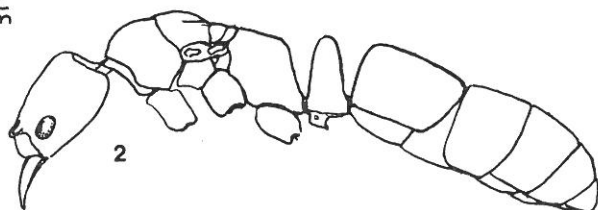


4

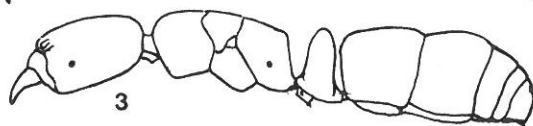
0,5
mm



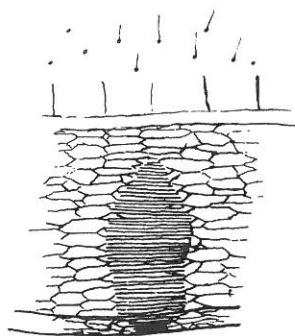
1



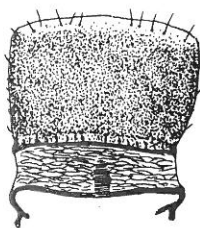
2



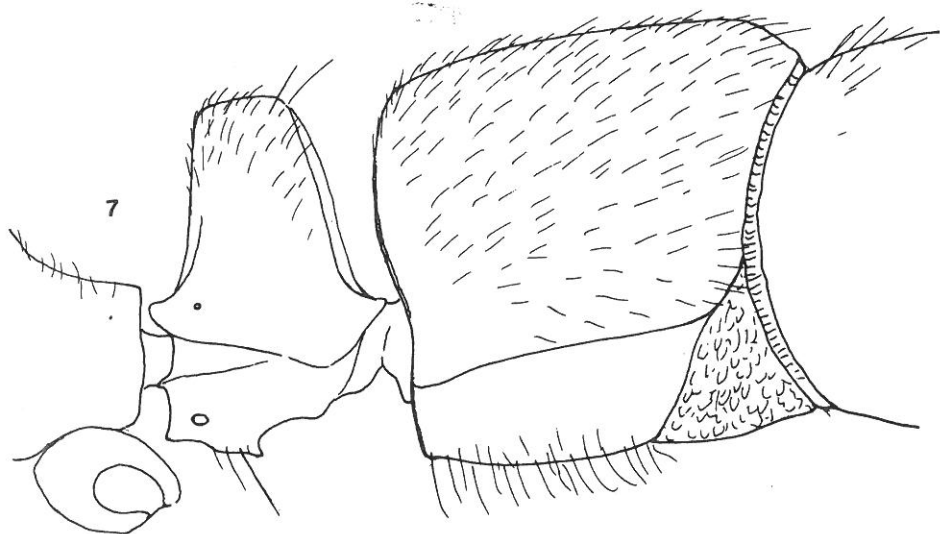
3



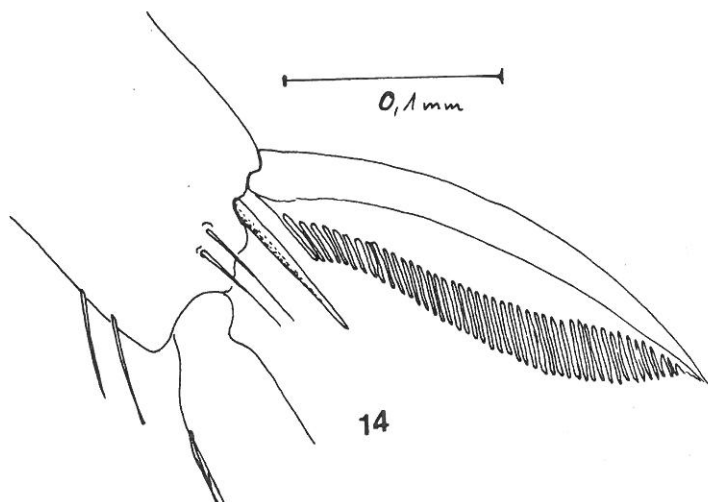
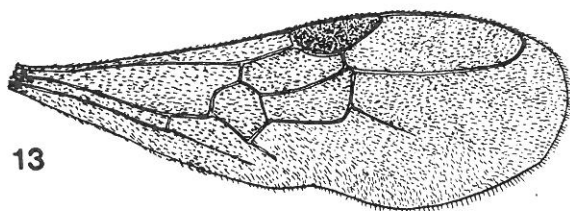
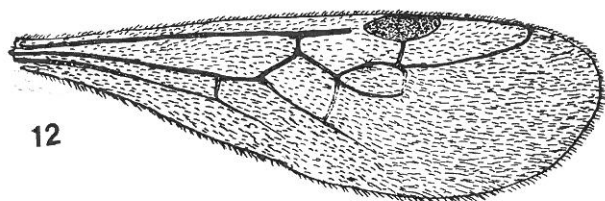
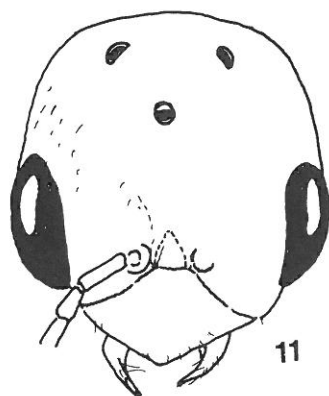
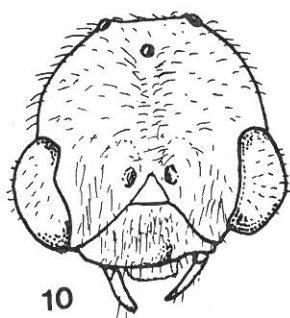
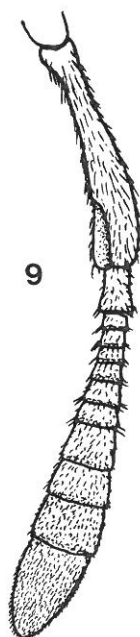
6



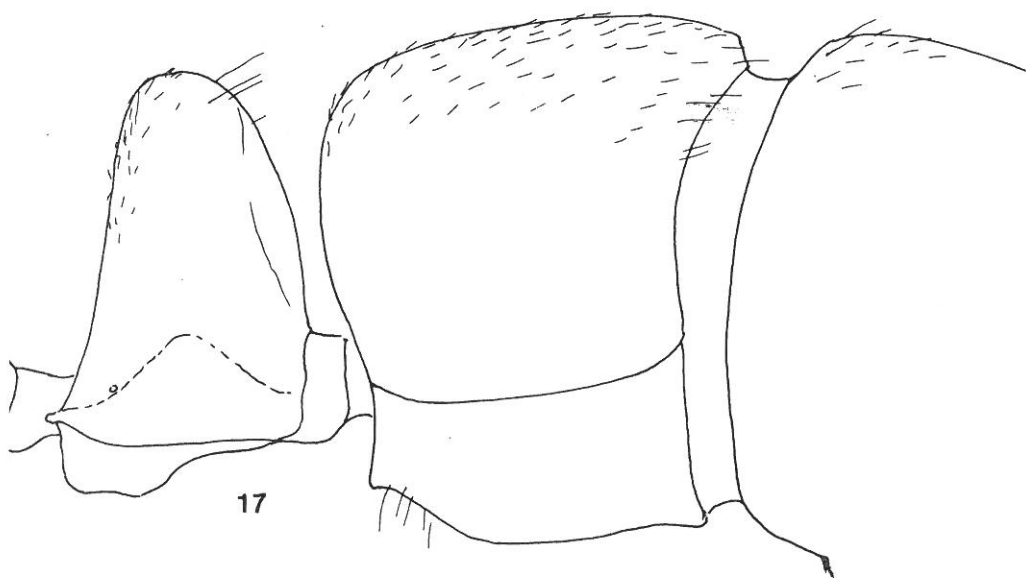
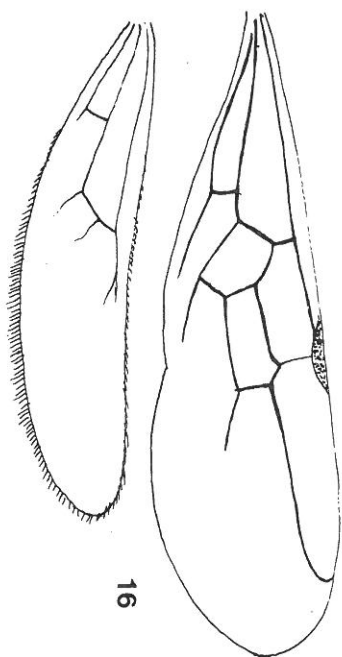
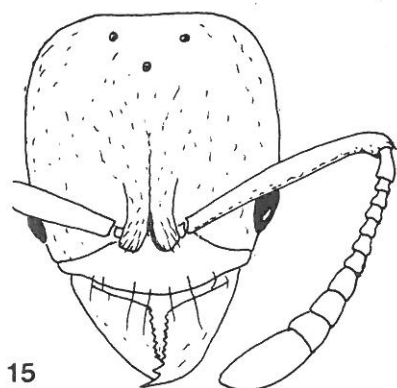
5

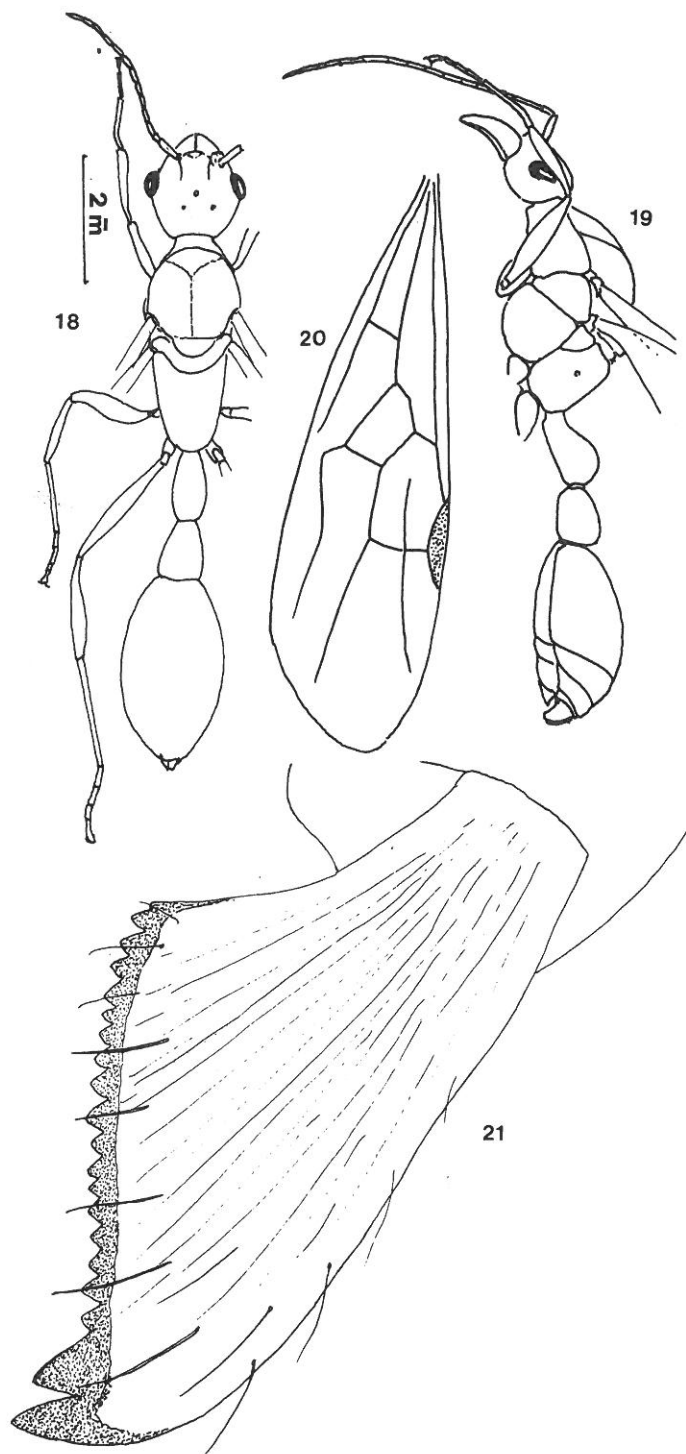


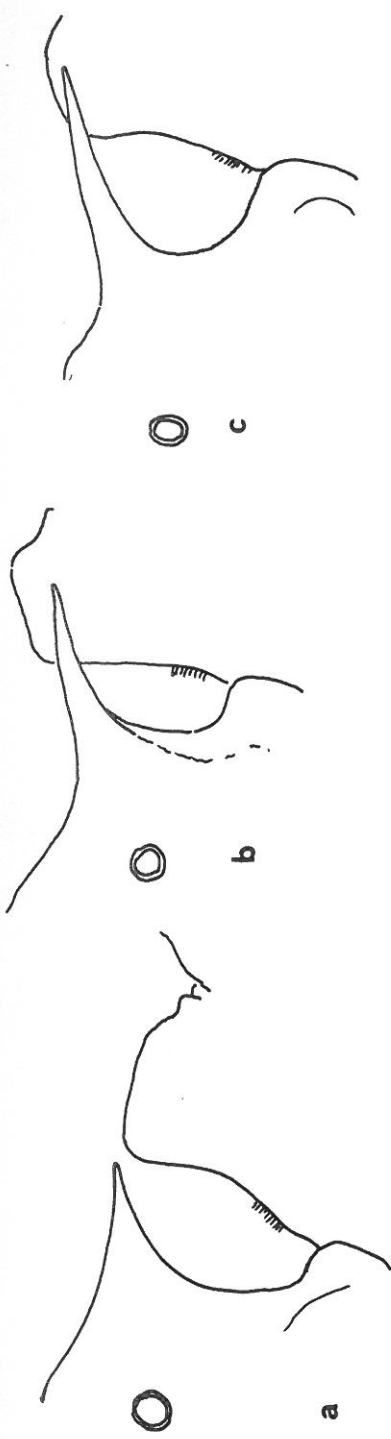
7

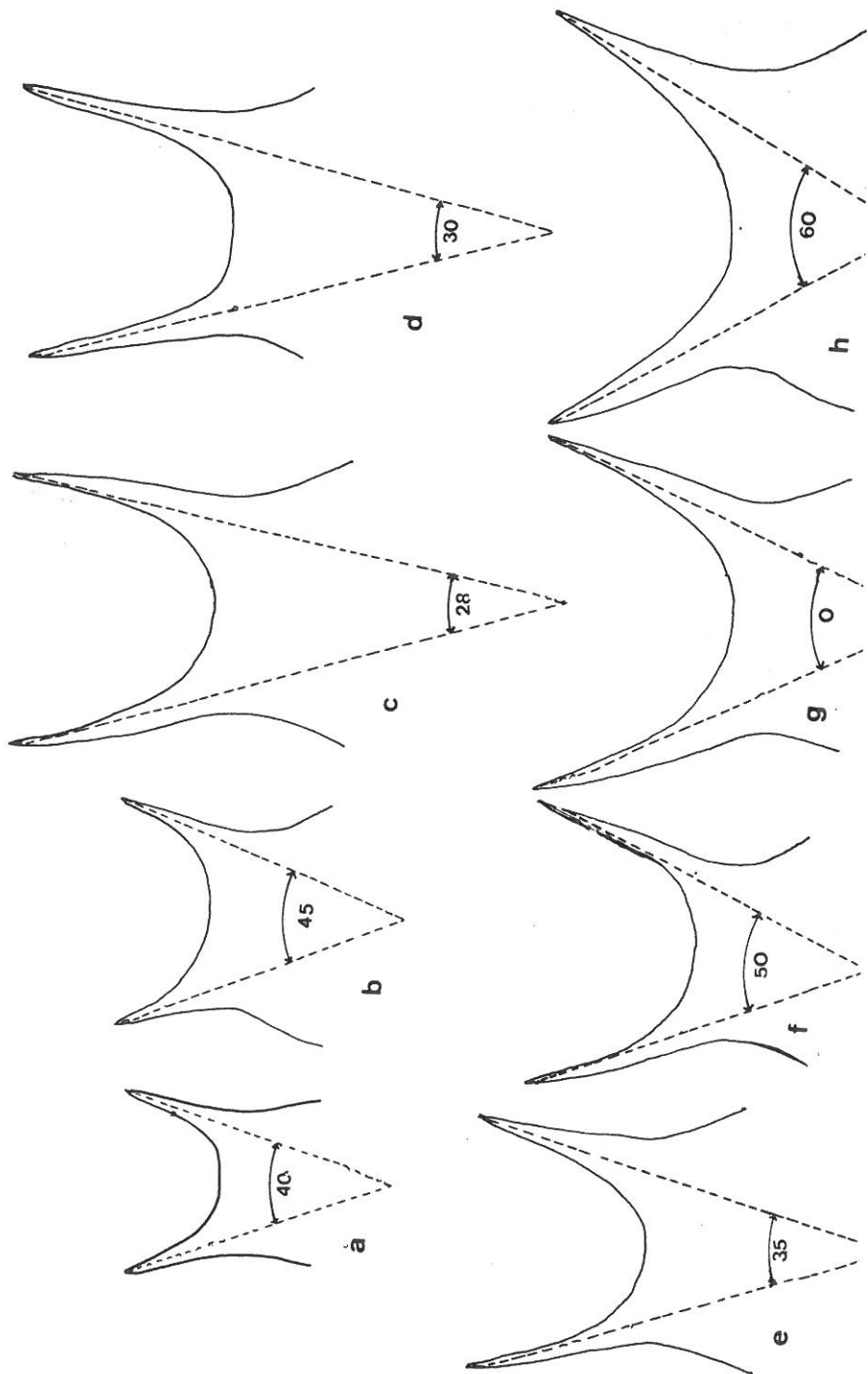


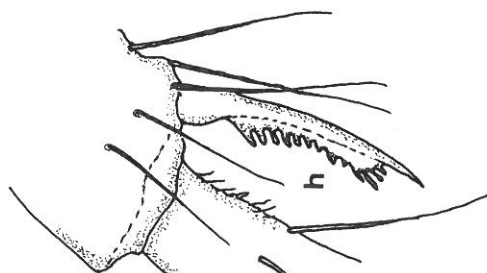
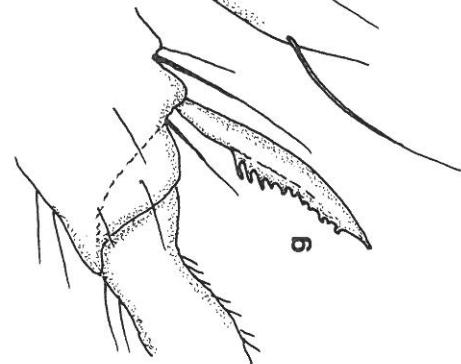
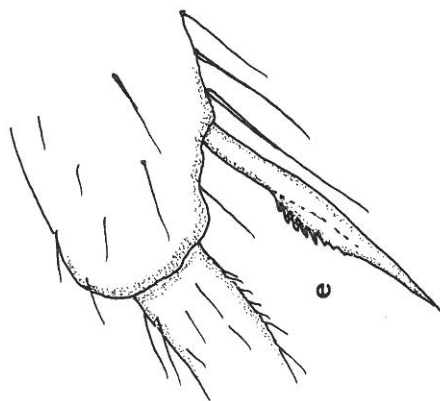
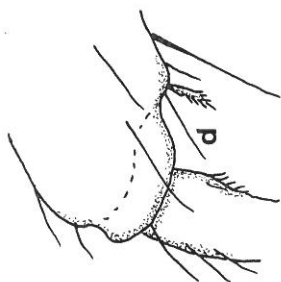
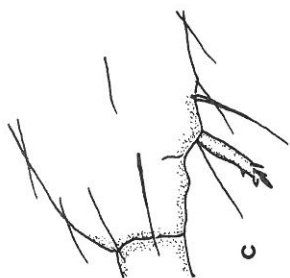
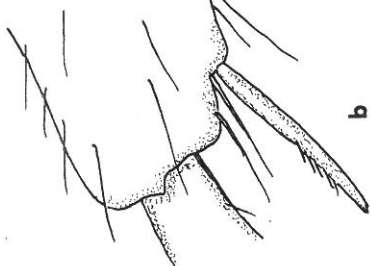
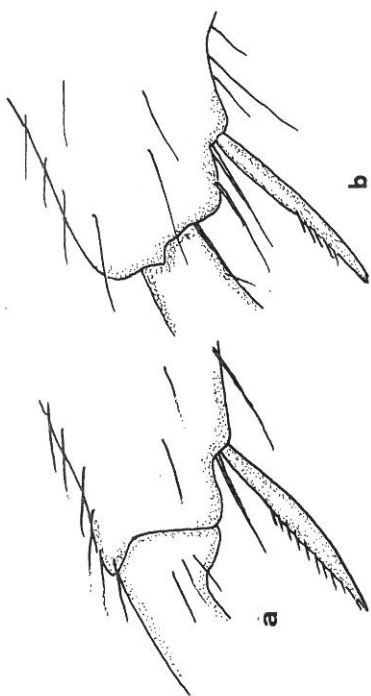
0,5m

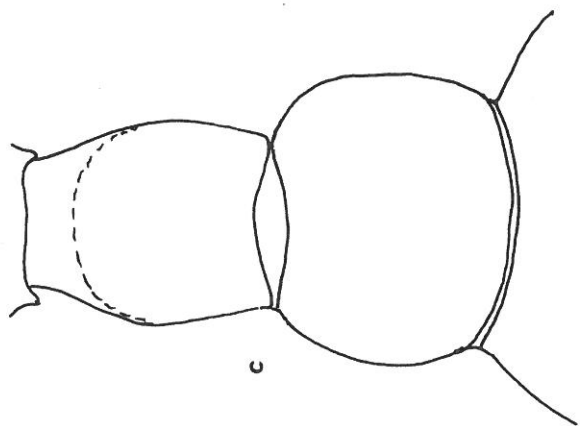
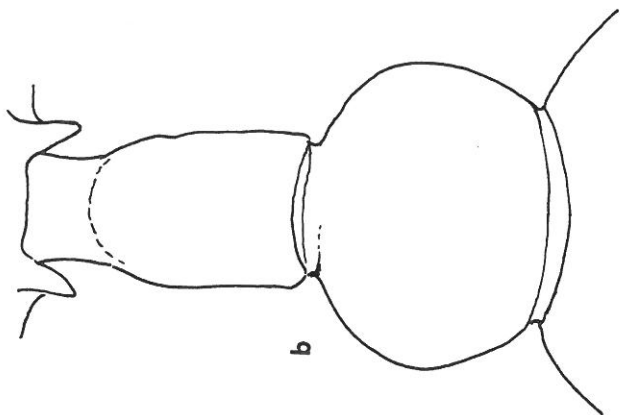
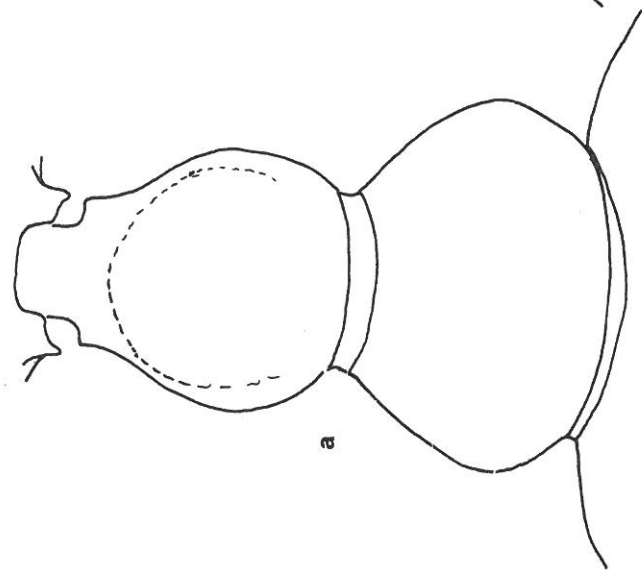


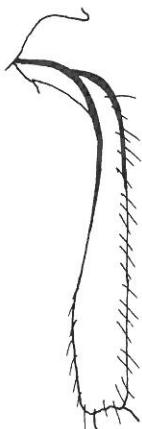
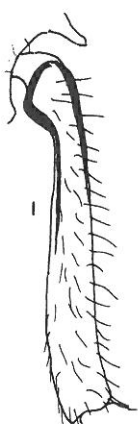
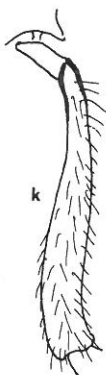
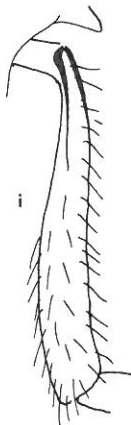
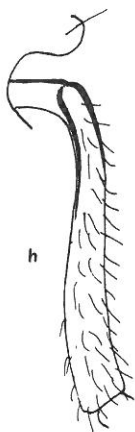
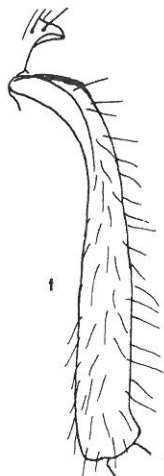
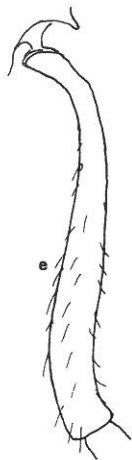
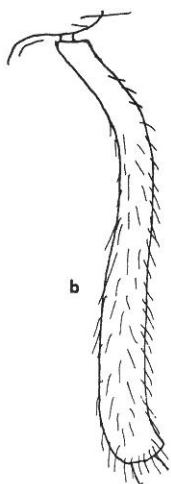
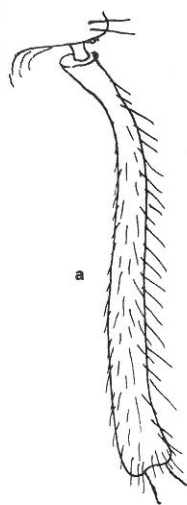


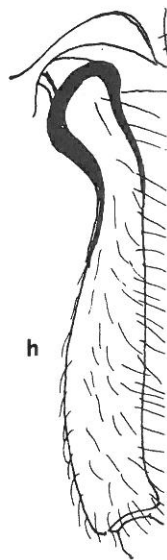
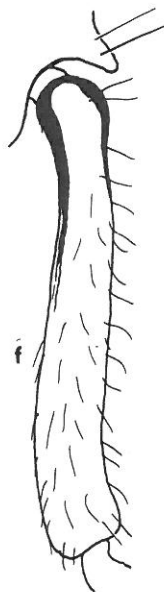
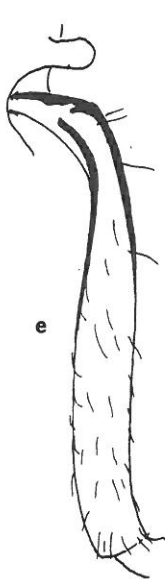
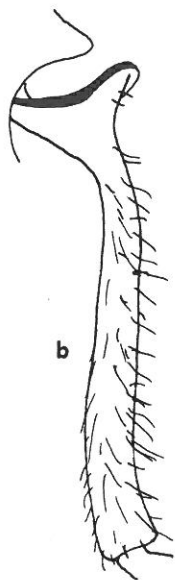
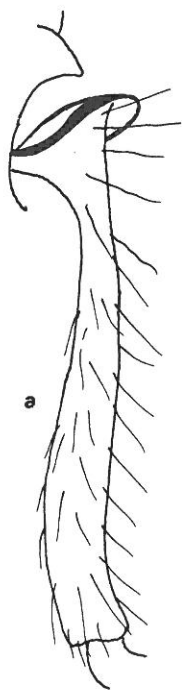


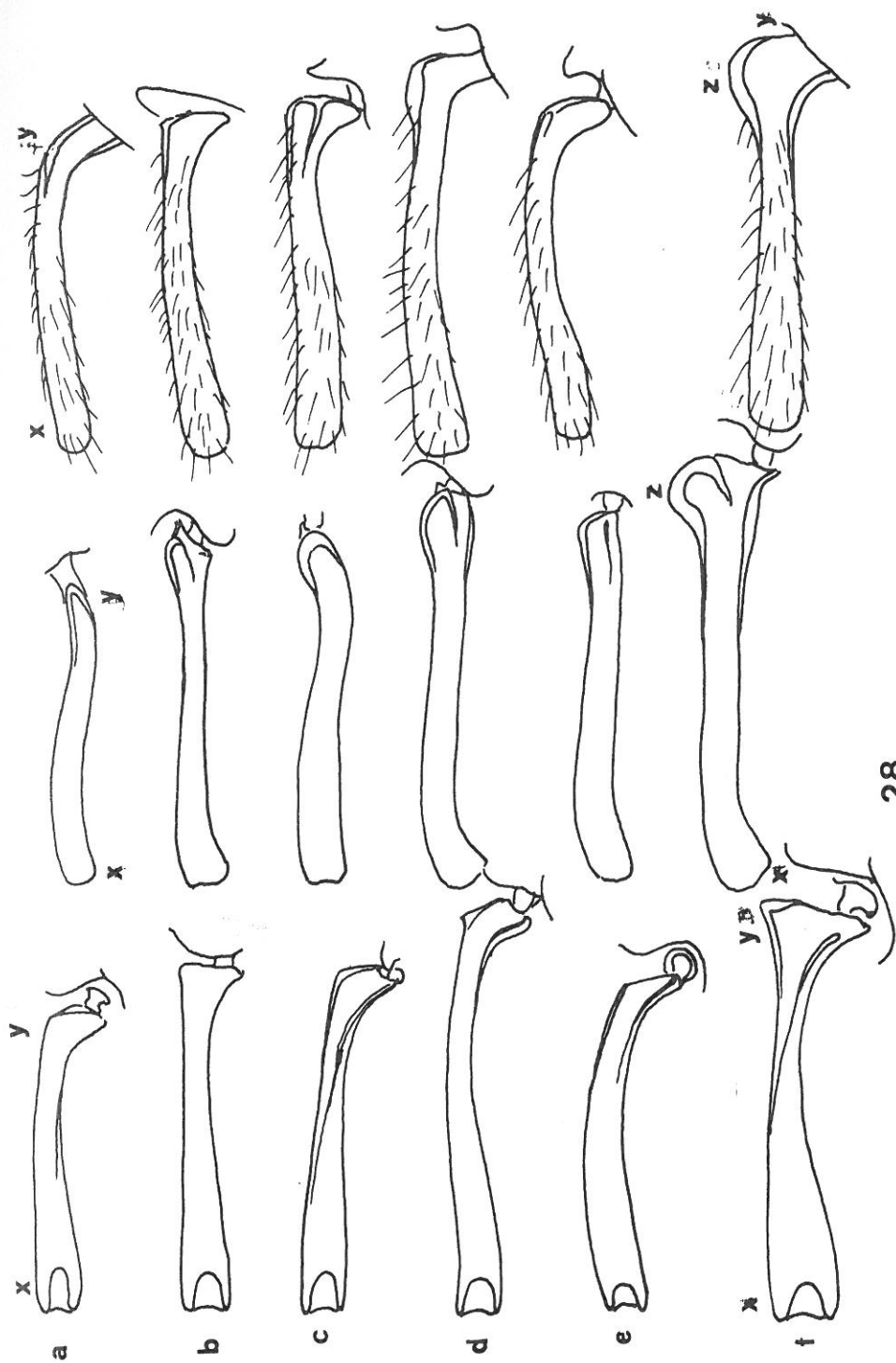


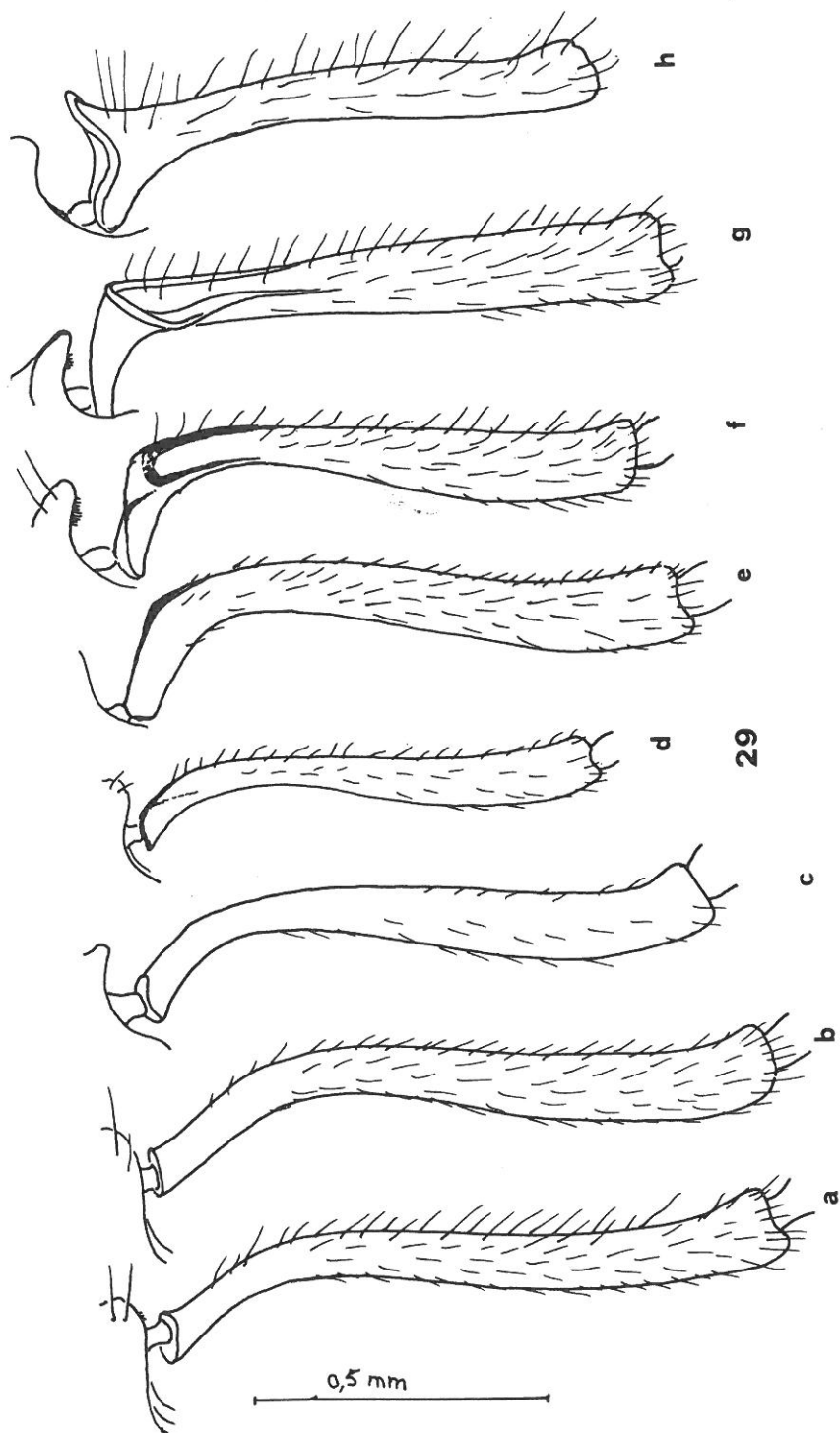


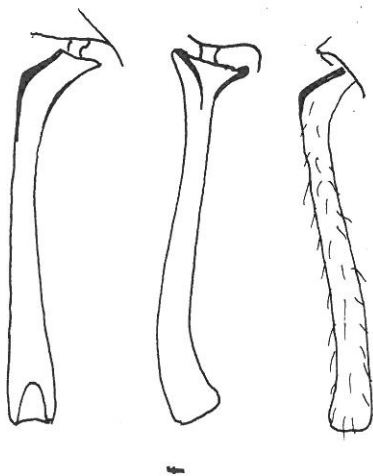
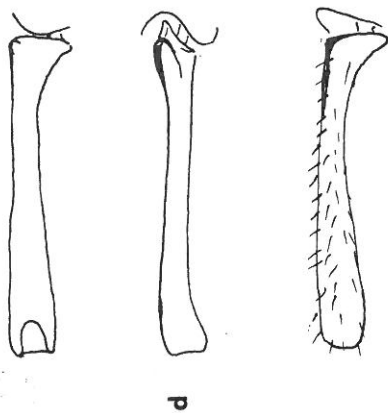
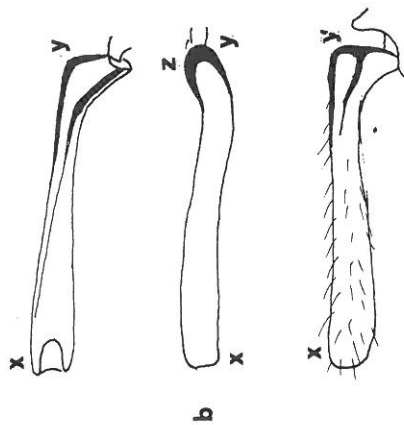
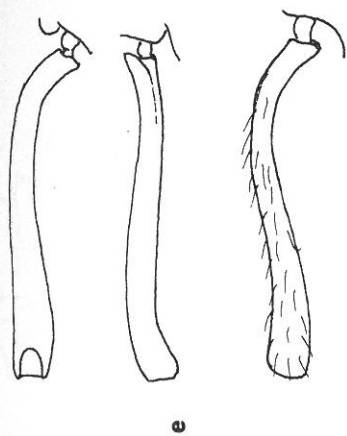
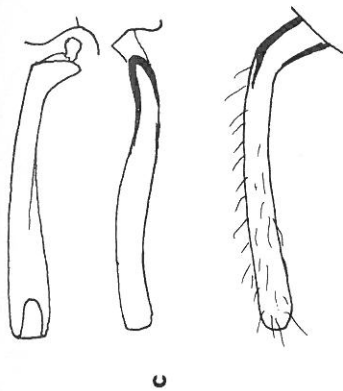
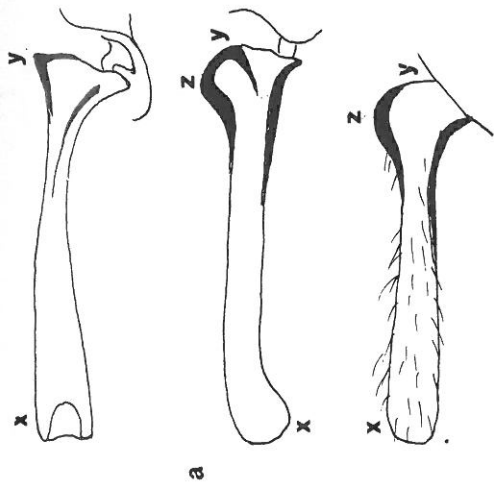


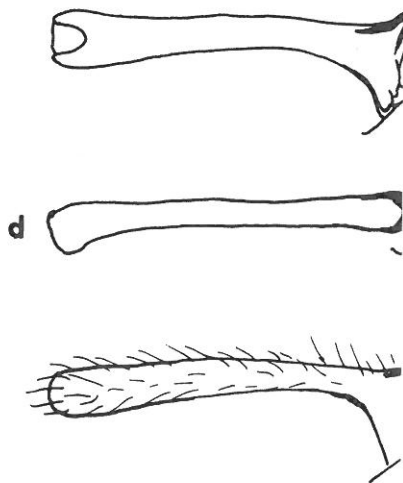
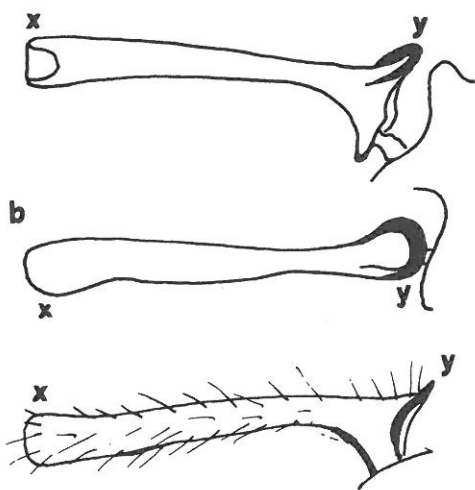
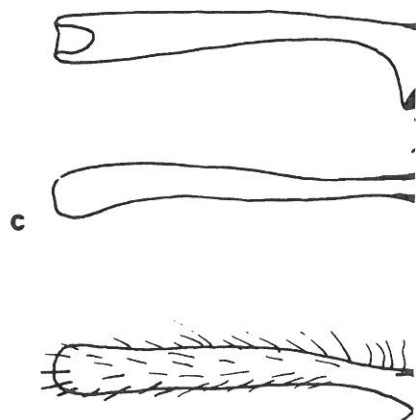
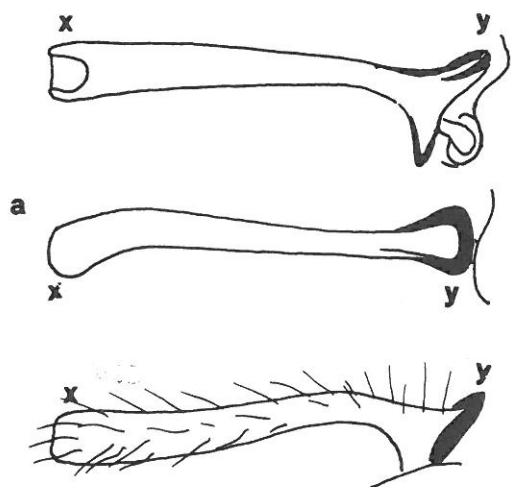


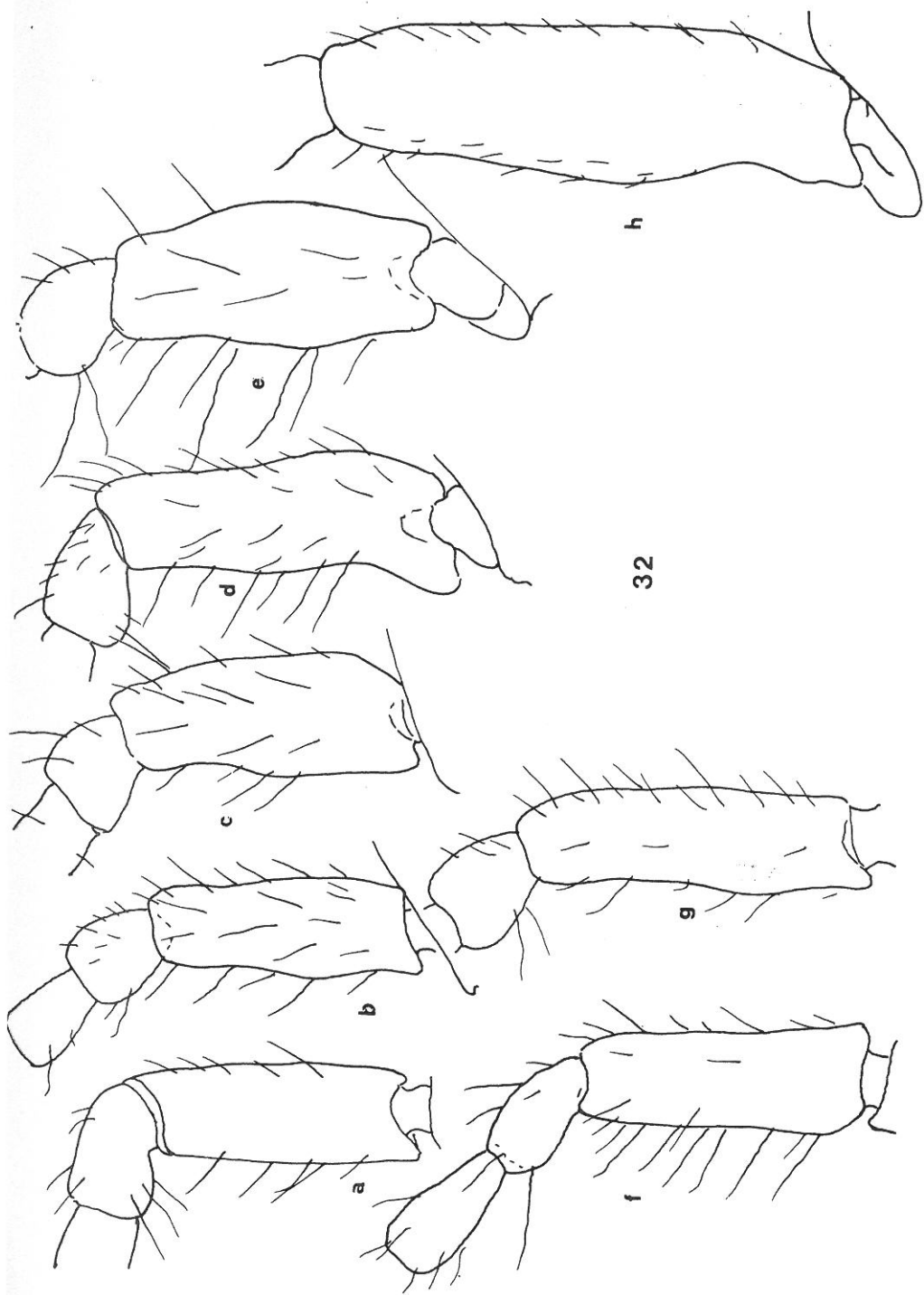


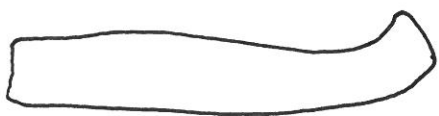
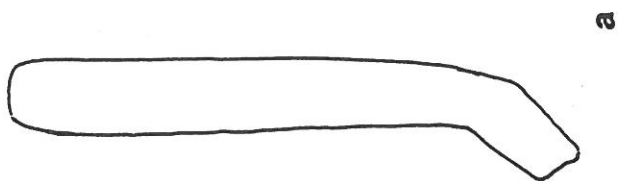


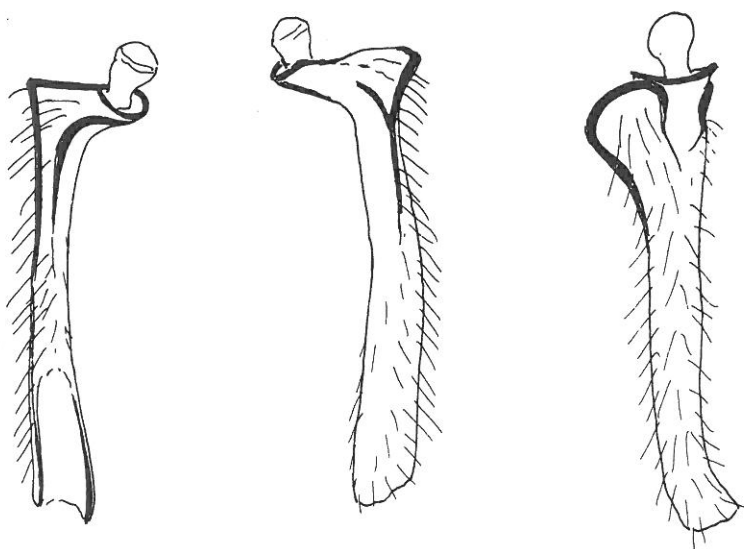




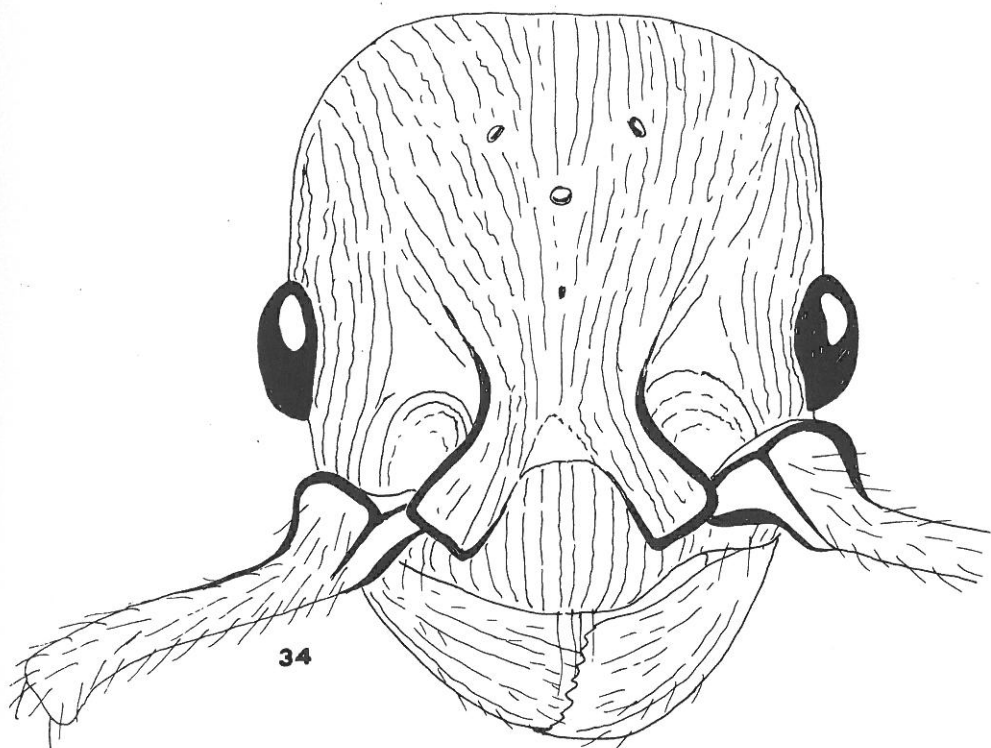




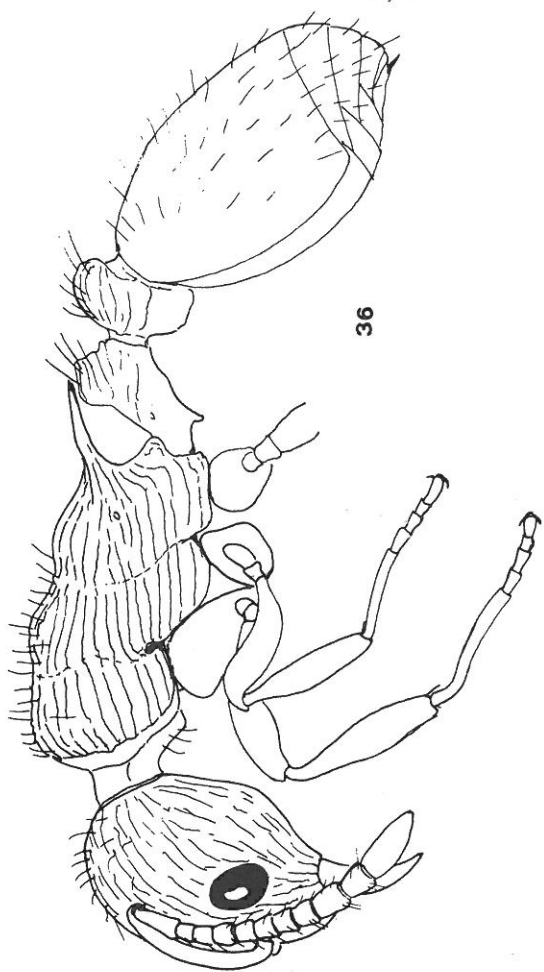
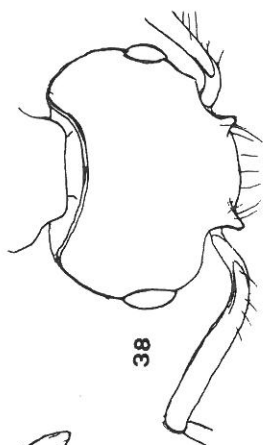
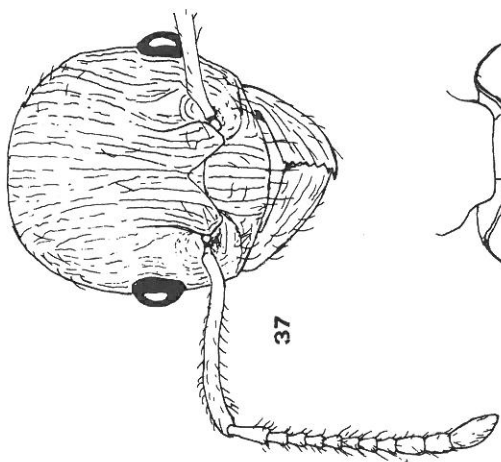


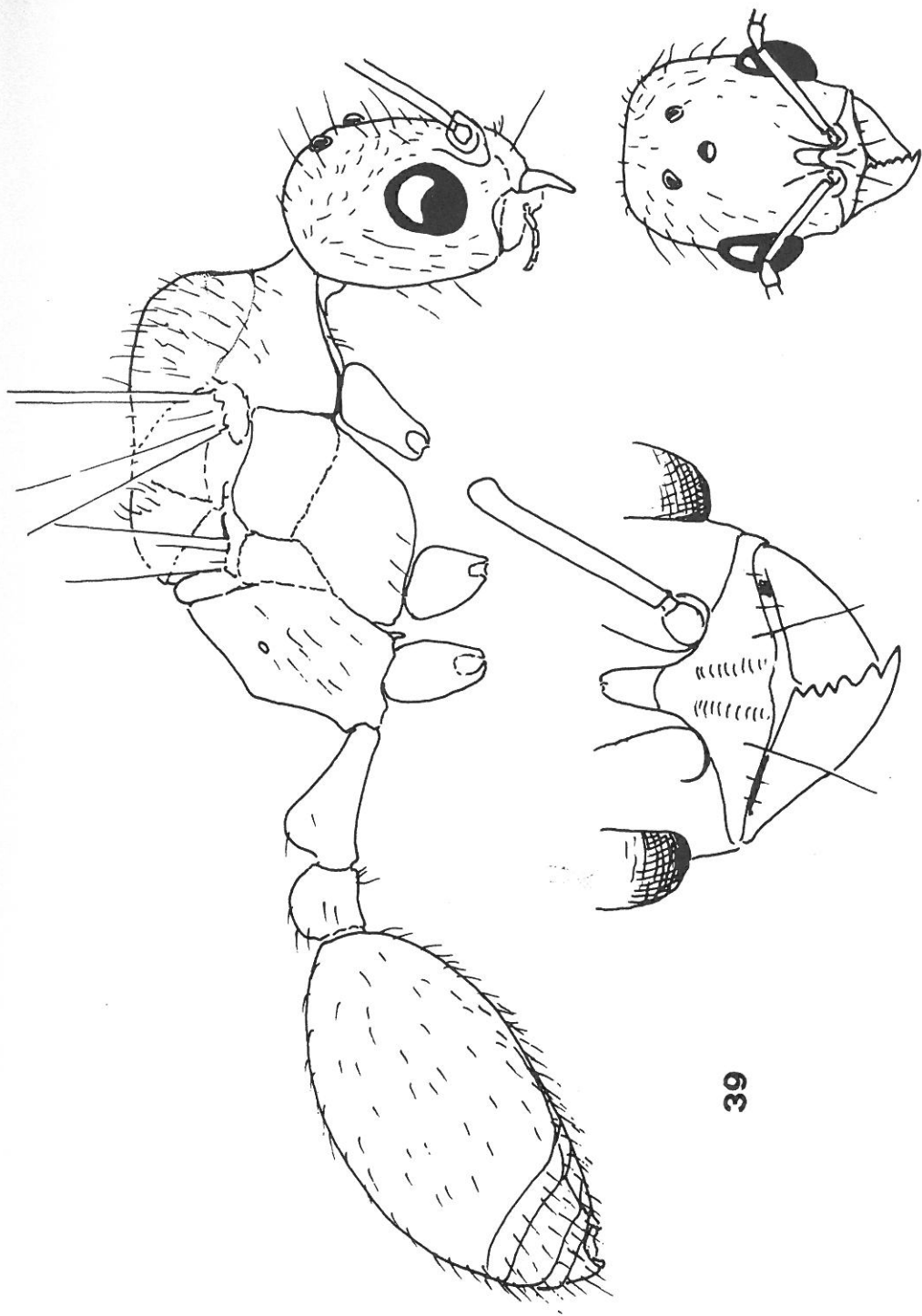


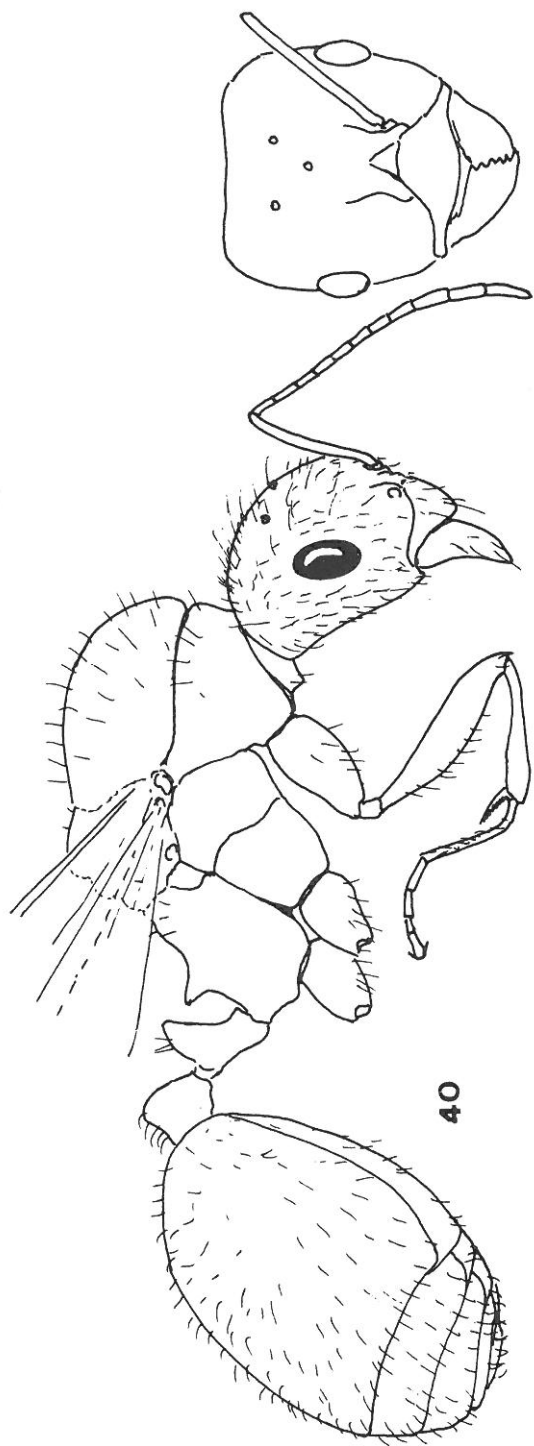
35

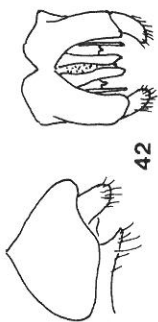
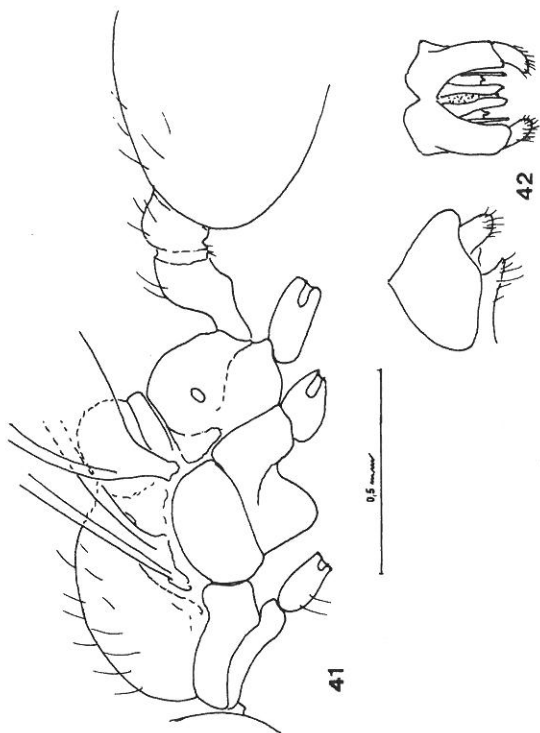
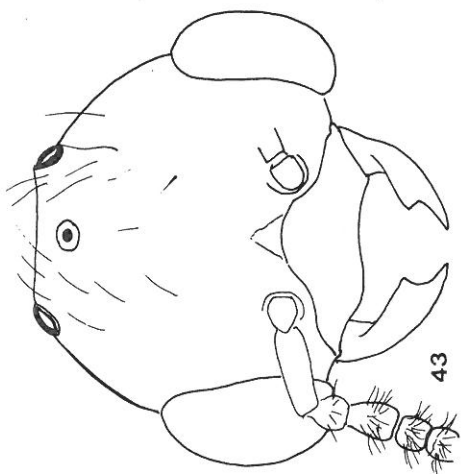
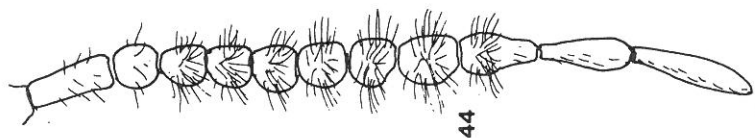


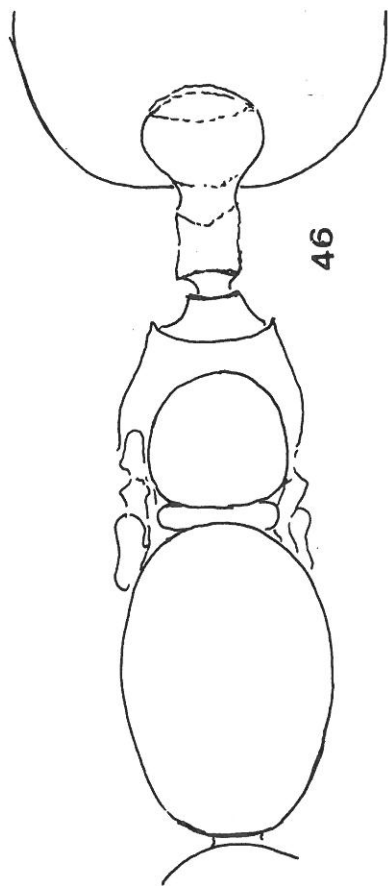
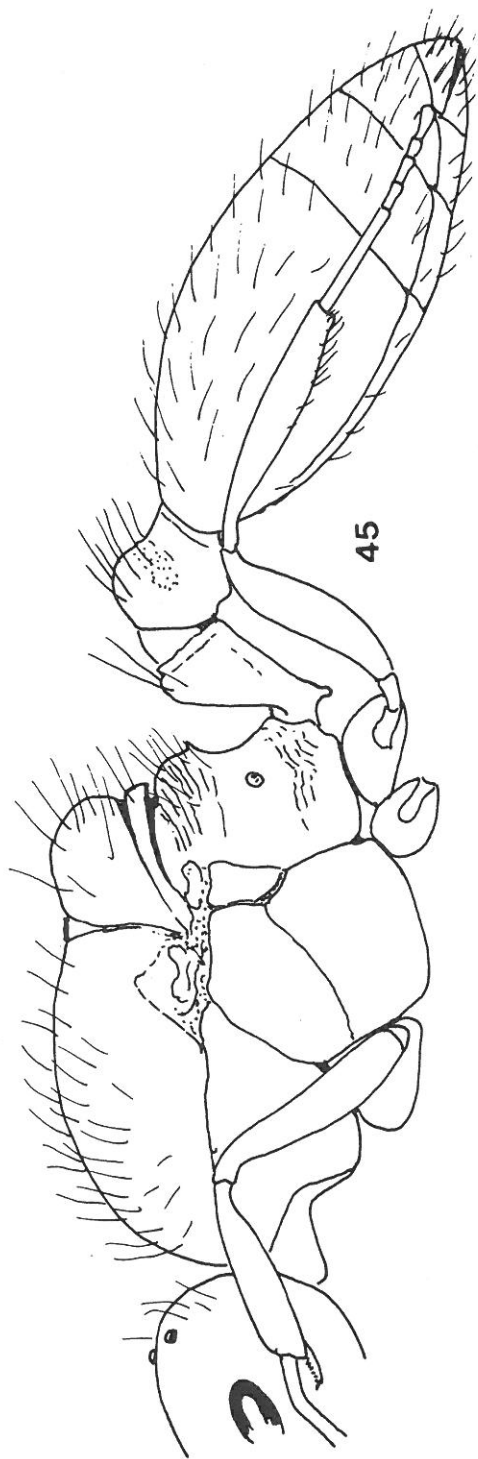
34

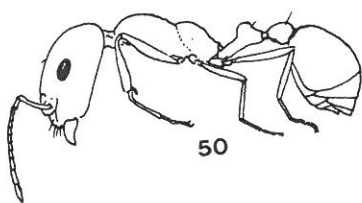
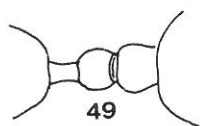
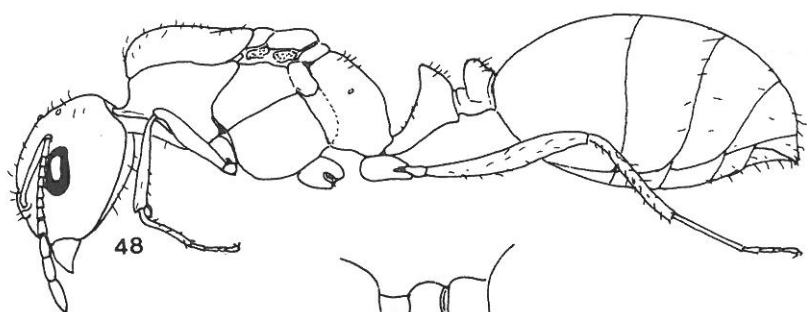
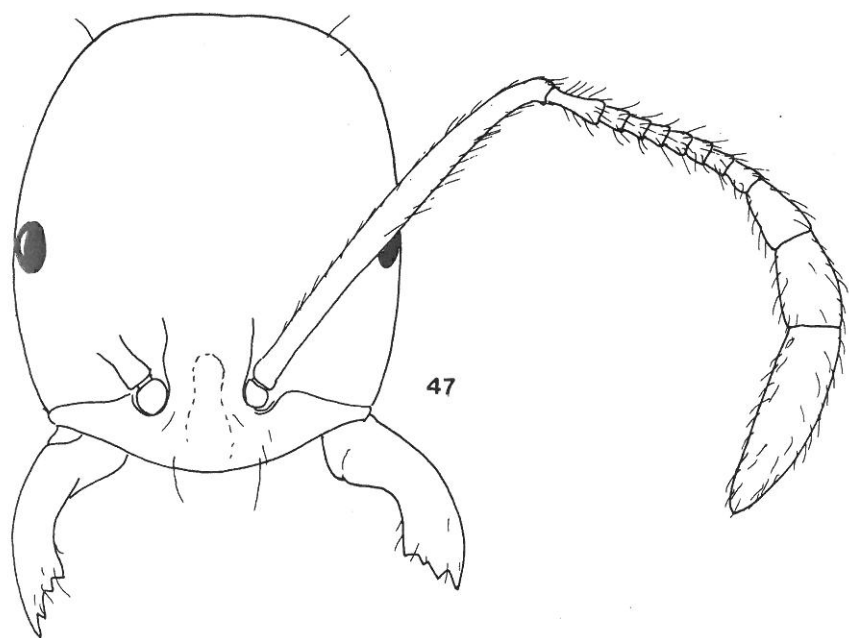


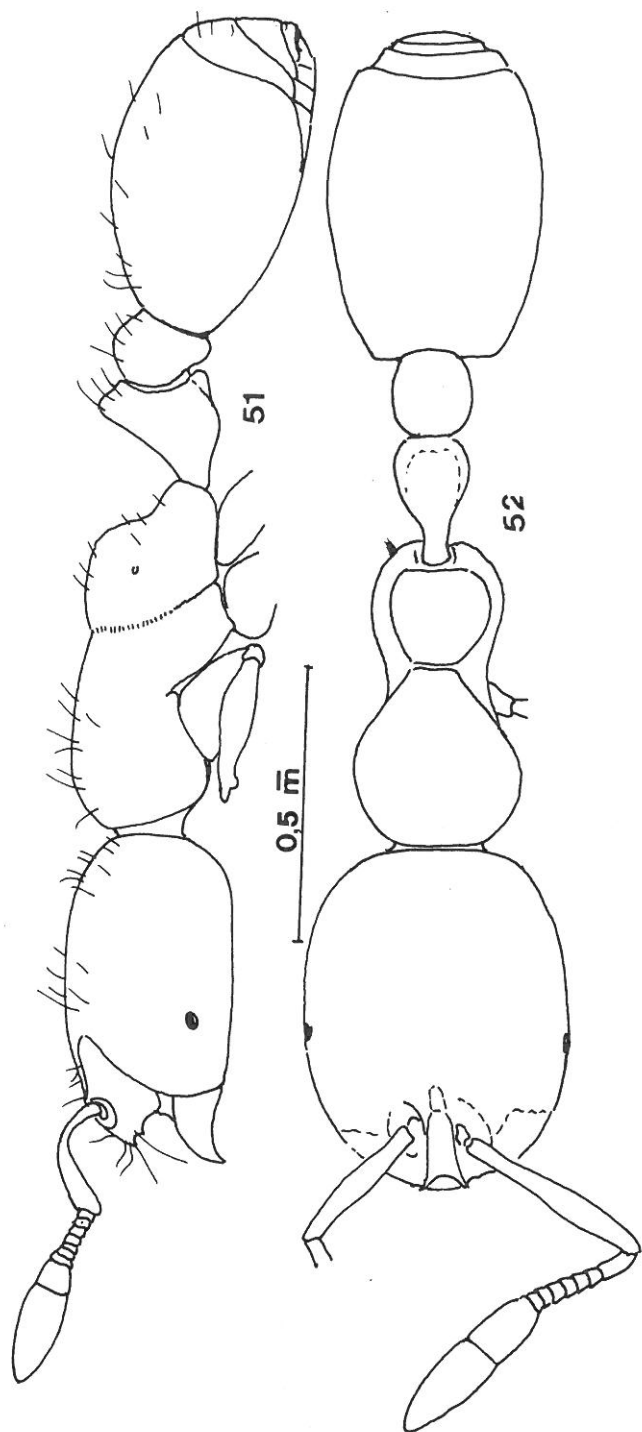


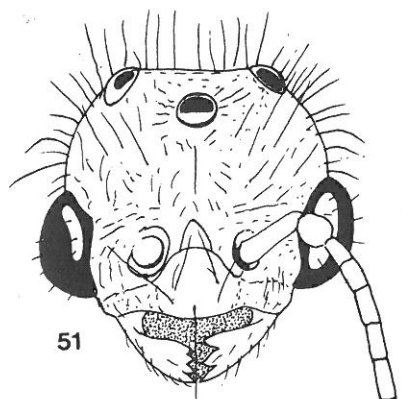




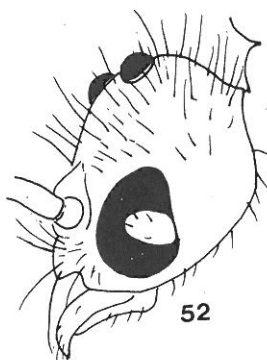




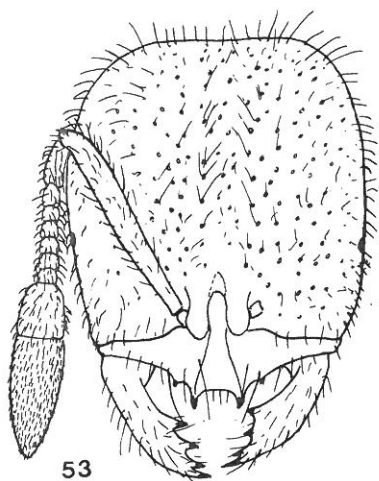




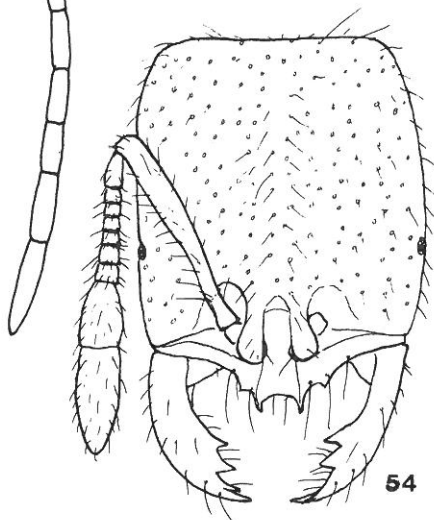
51



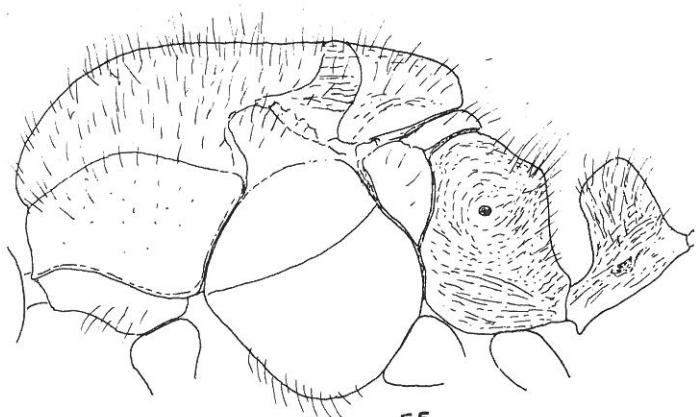
52



53

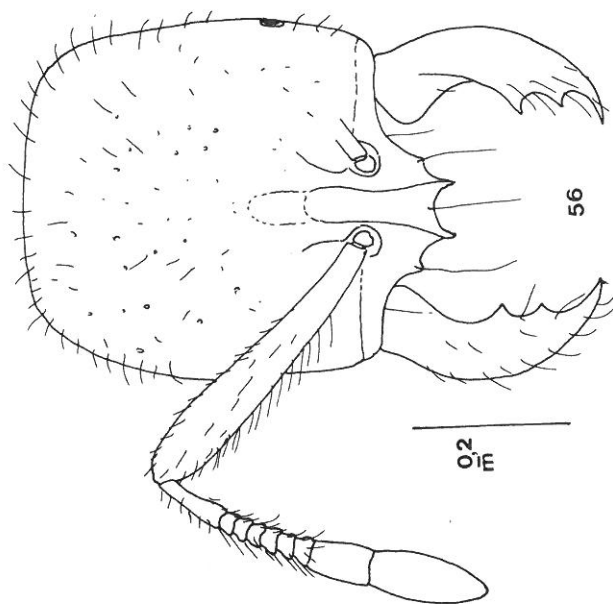
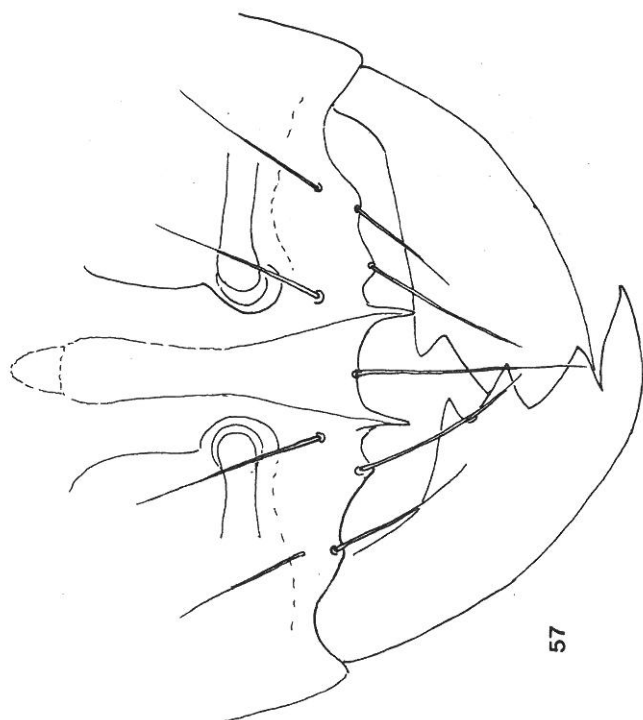


54



55

0,5 $\bar{m}$





58

0,5 m

c

a

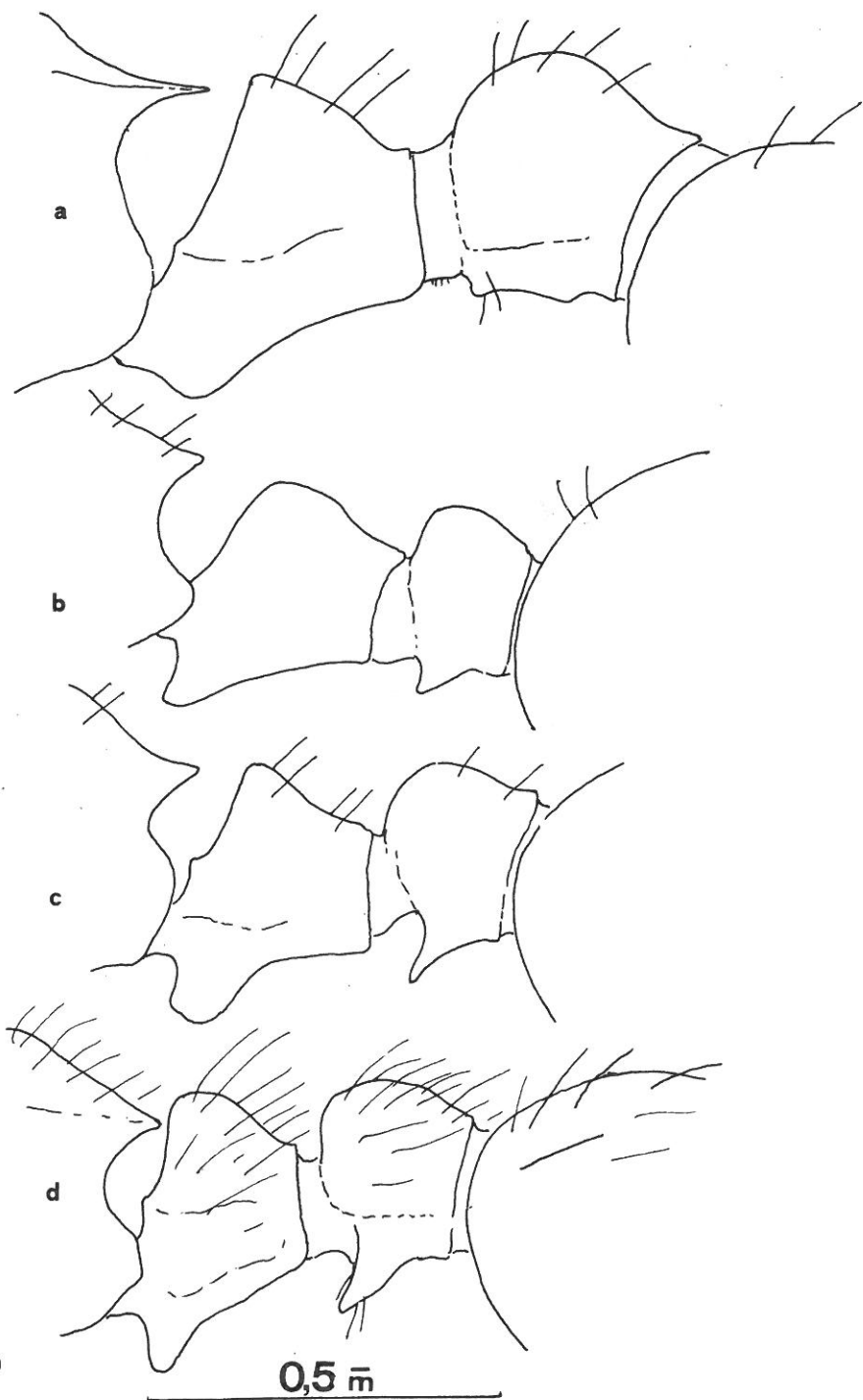
b

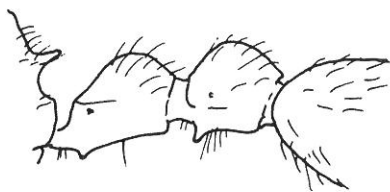
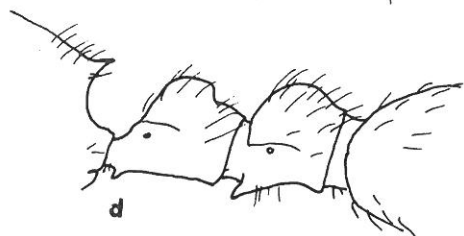
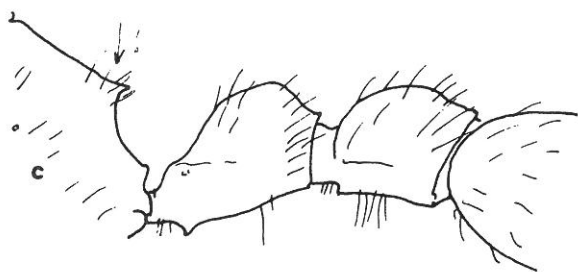
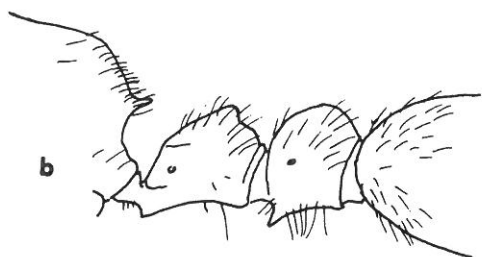
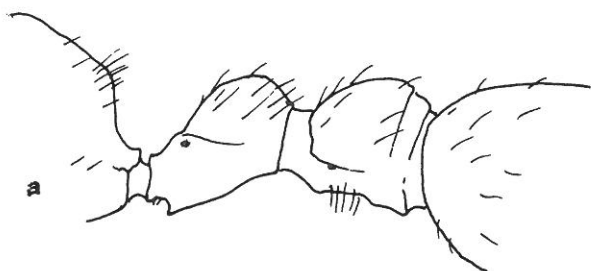
c

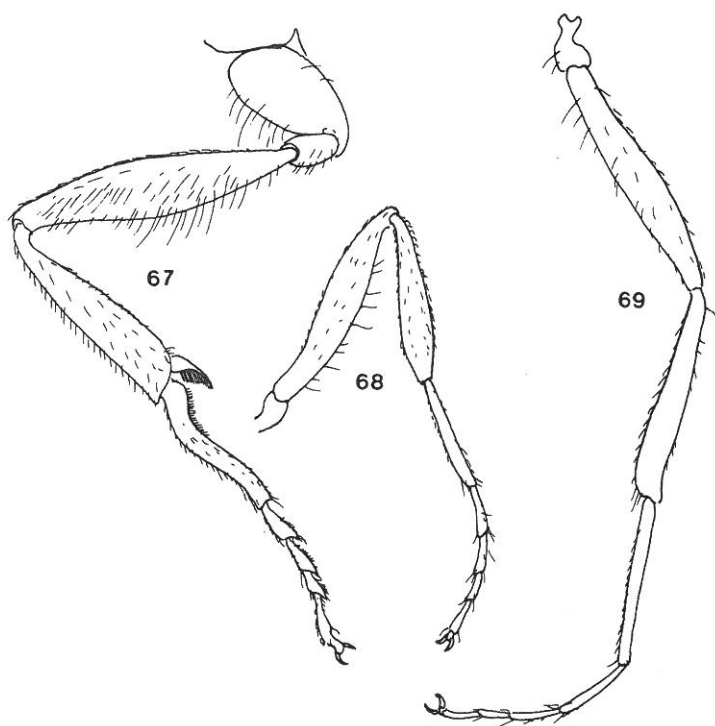
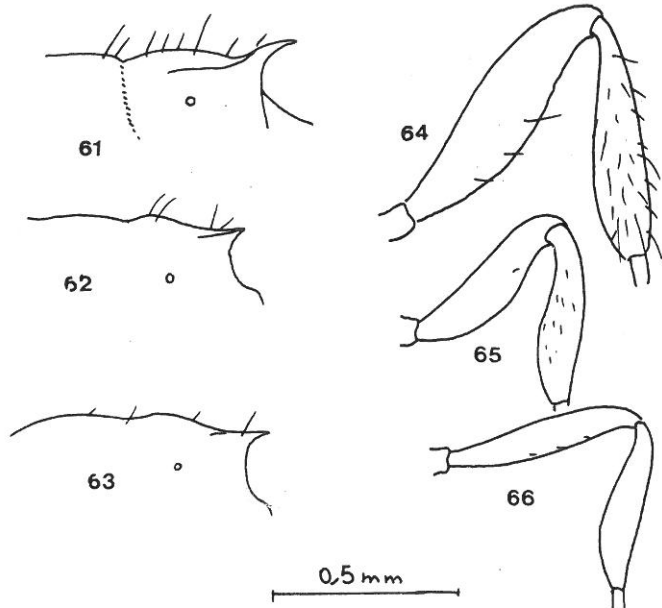
d

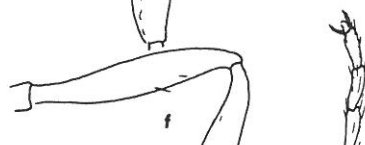
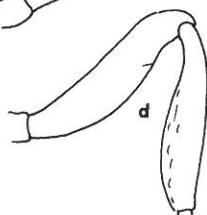
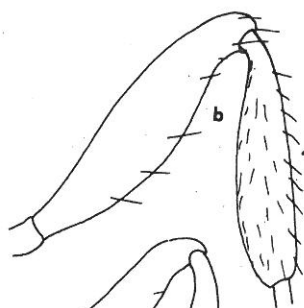
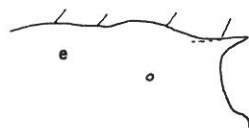
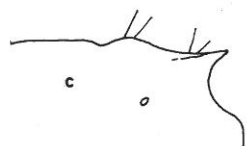
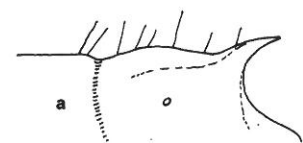
59

0,5 m

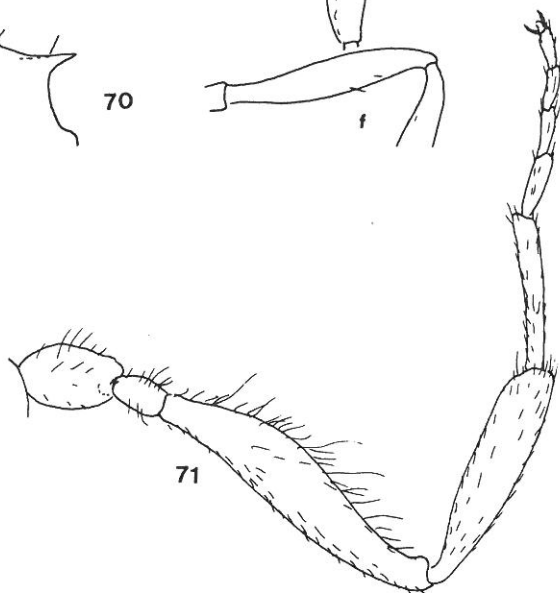




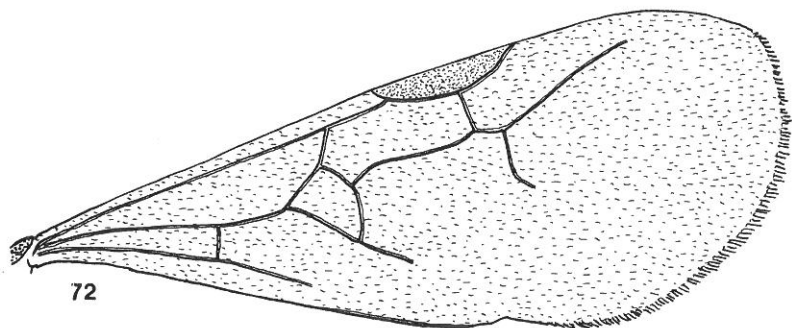




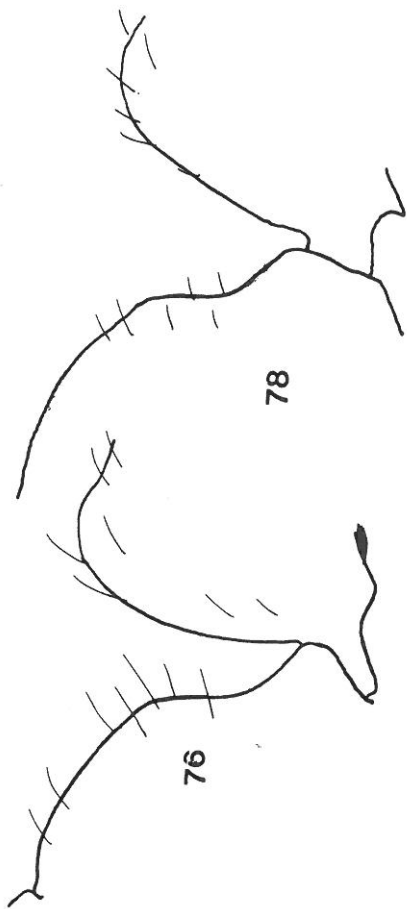
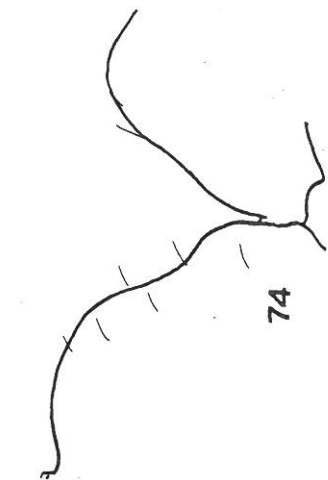
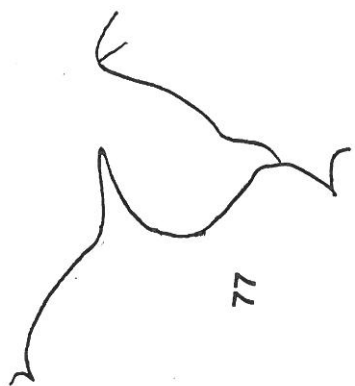
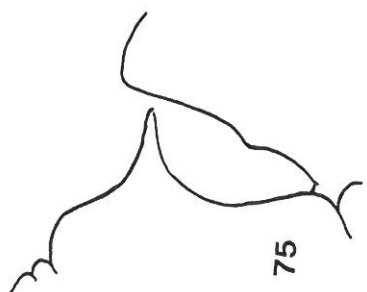
70

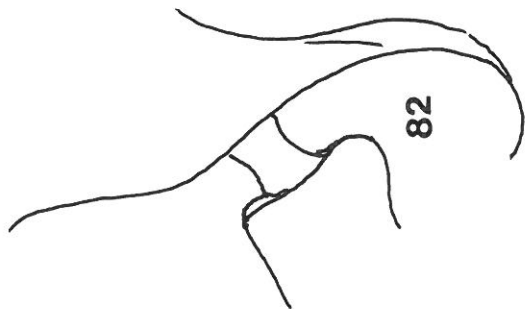
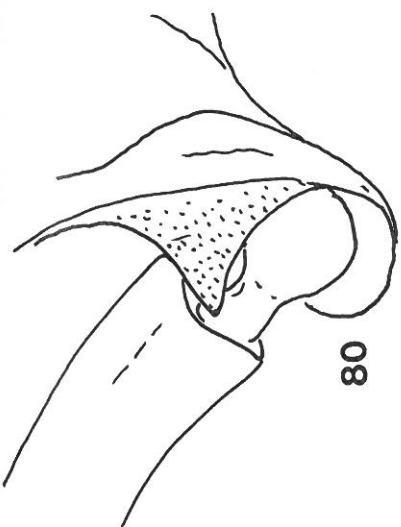


71

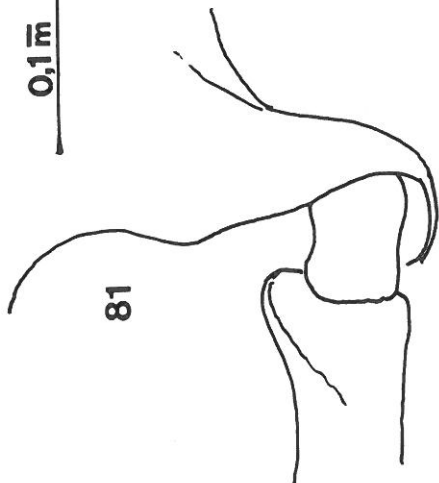
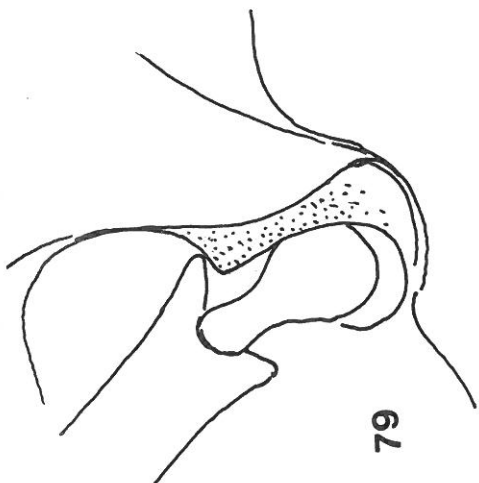


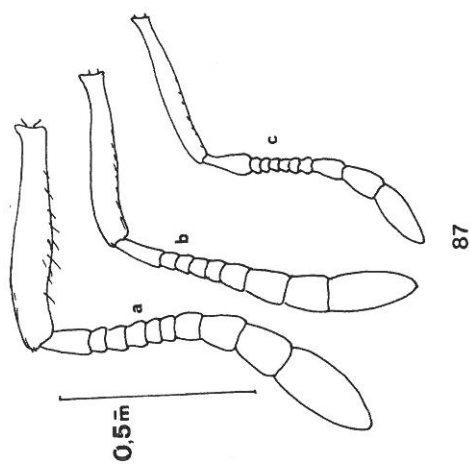
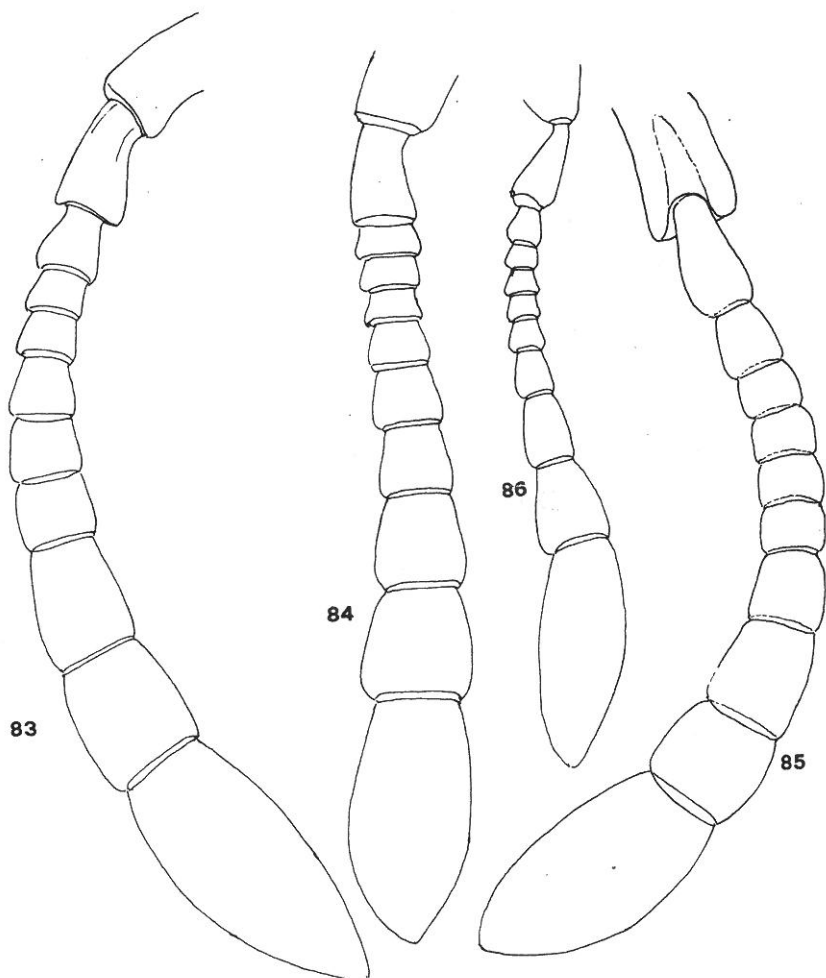
72

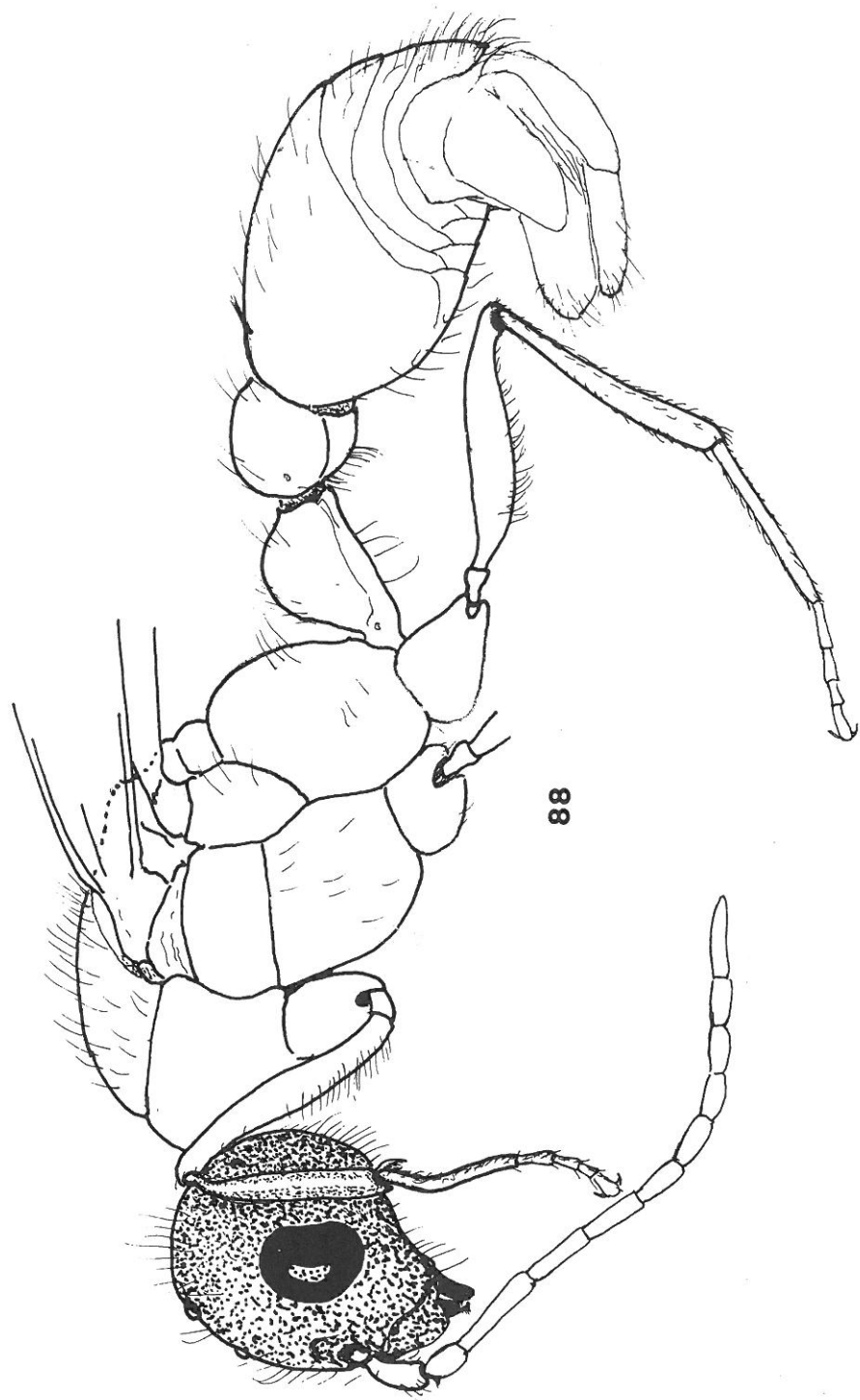


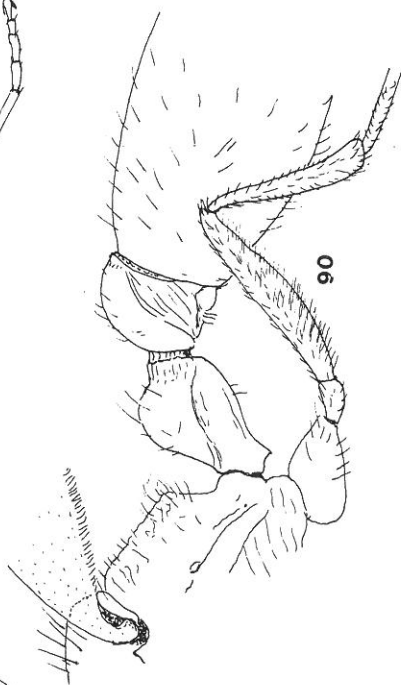
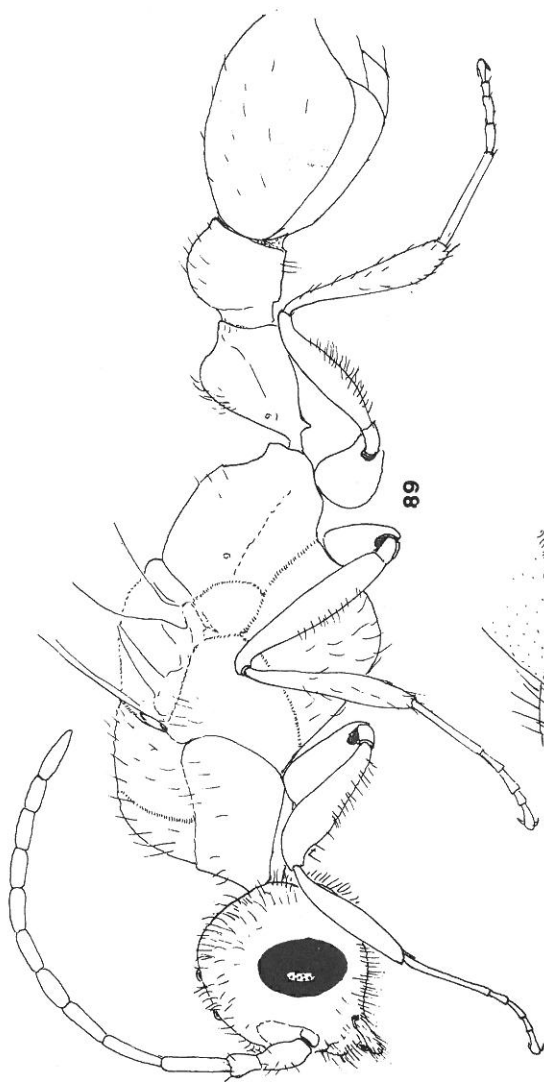
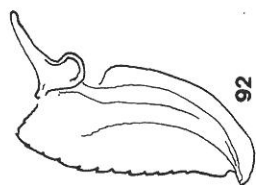
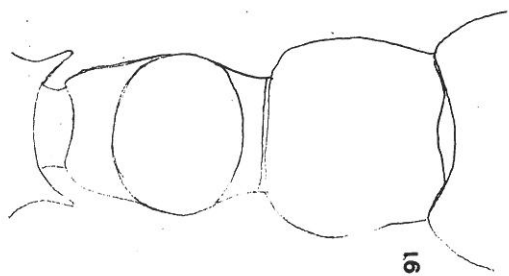


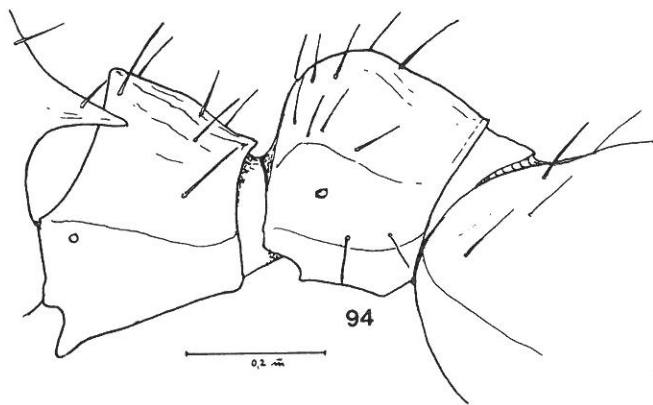
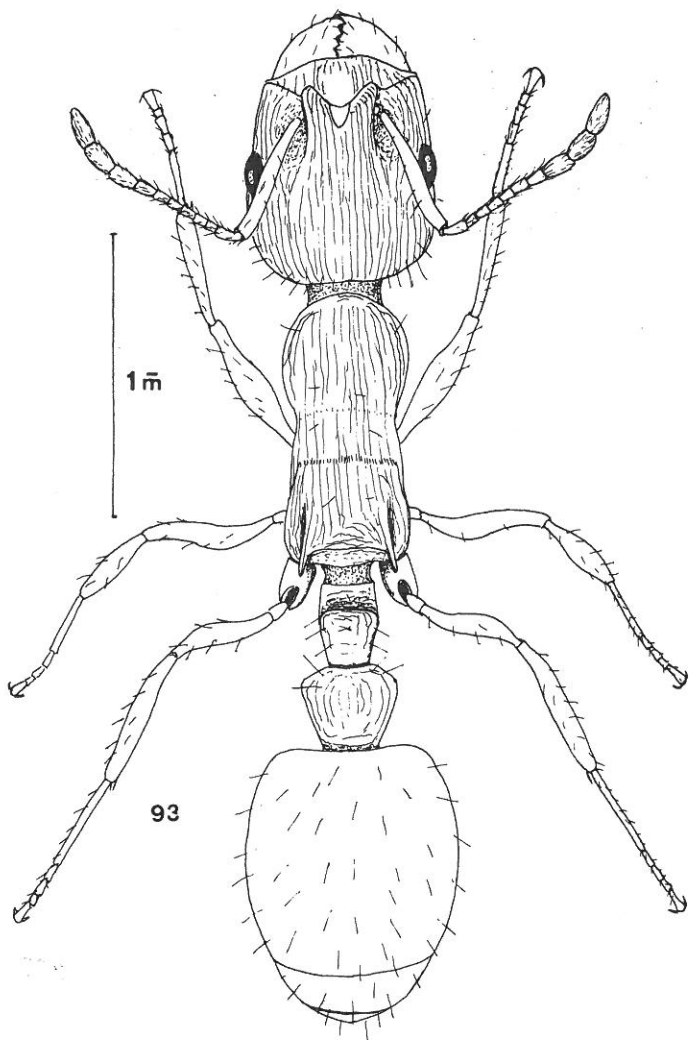
0,1 $\bar{m}$

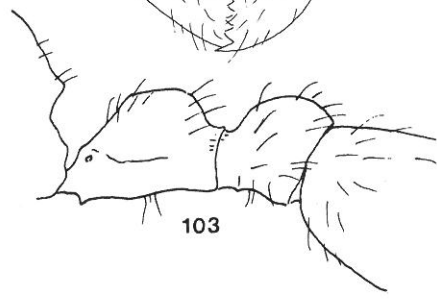
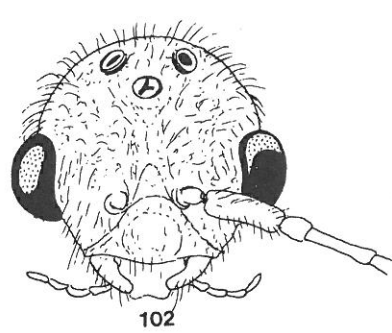
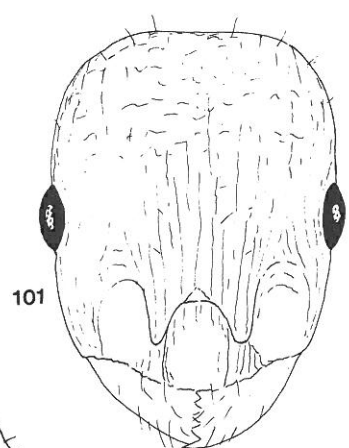
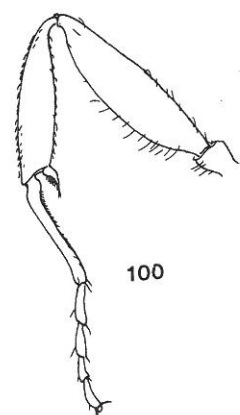
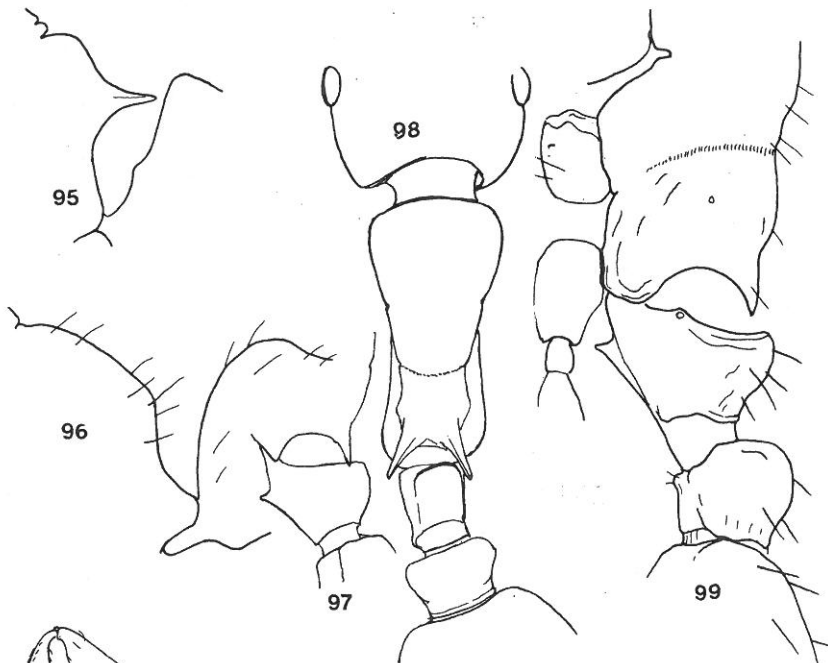


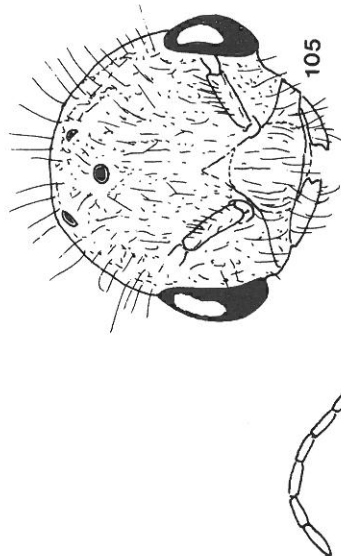




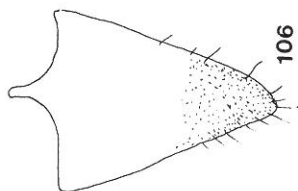




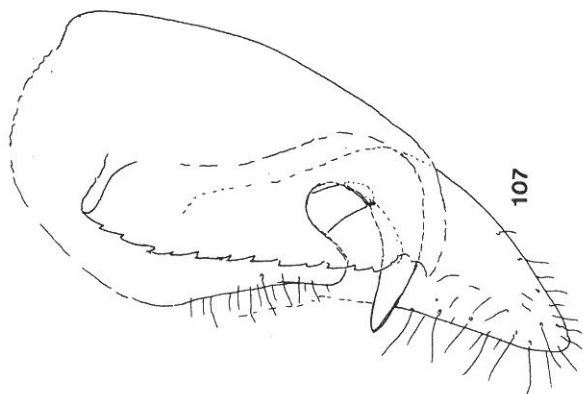




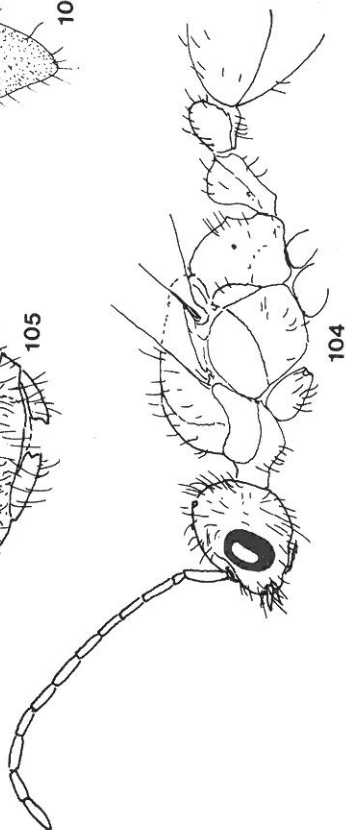
105



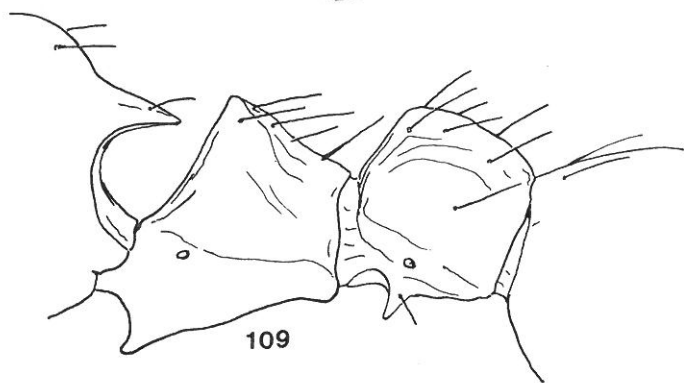
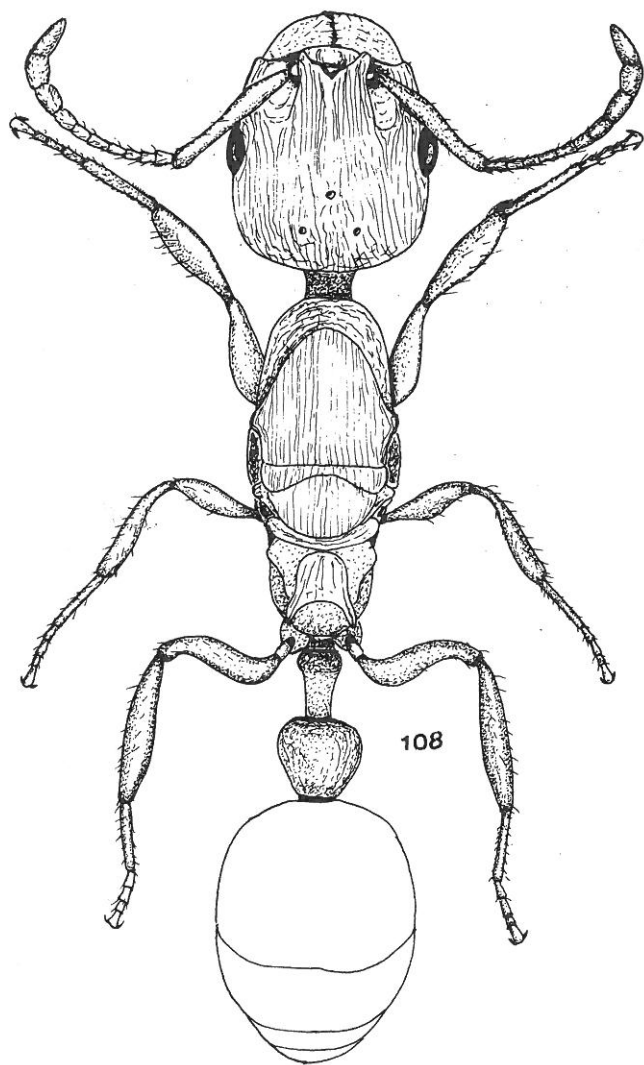
106

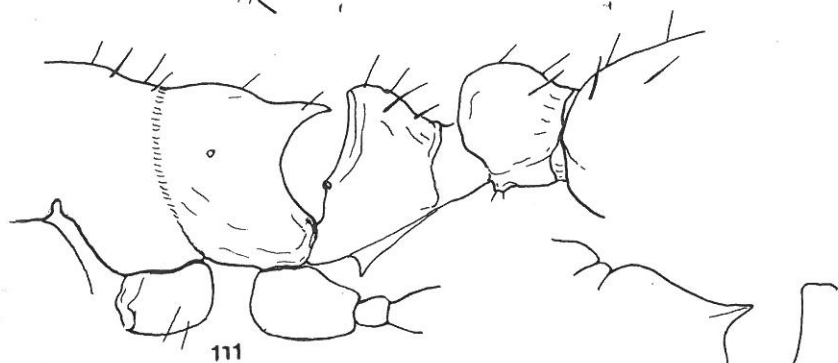
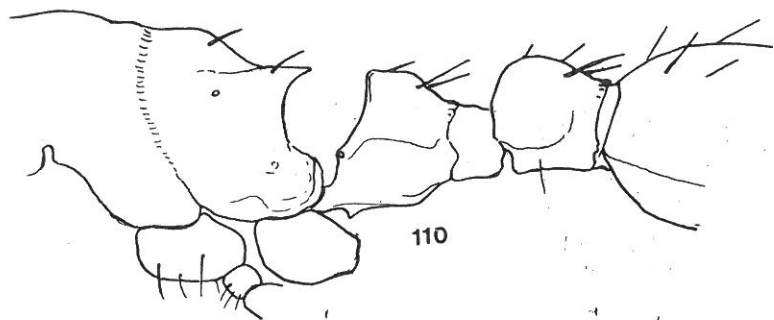


107

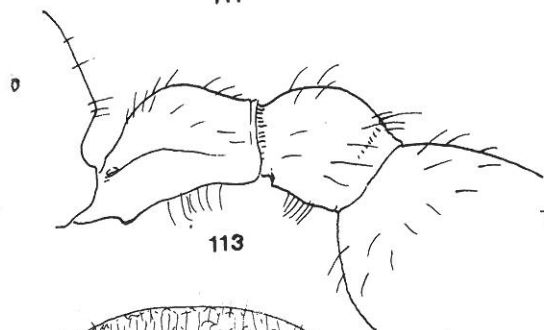


104

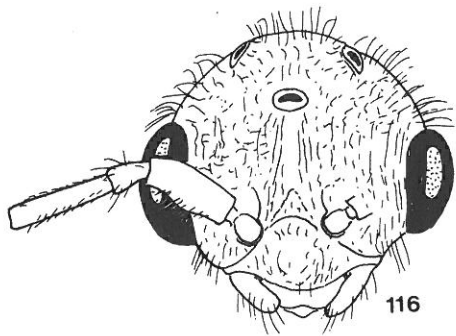
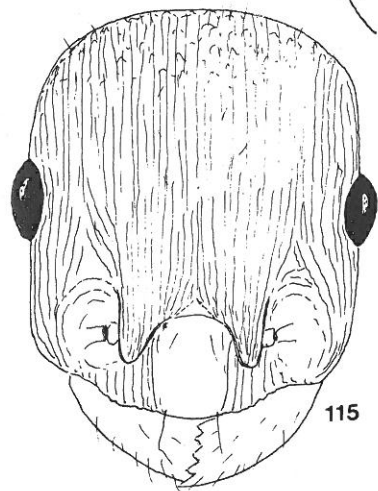


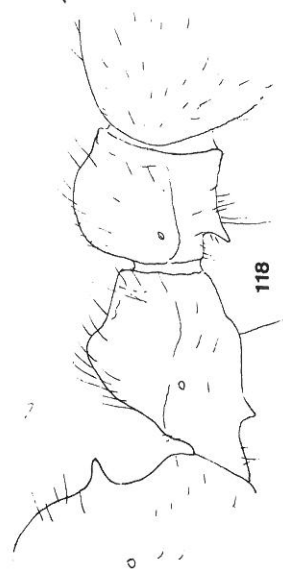
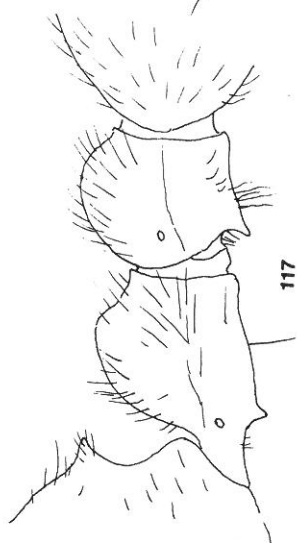
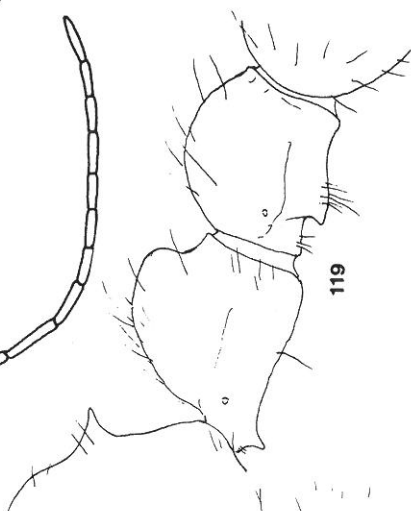
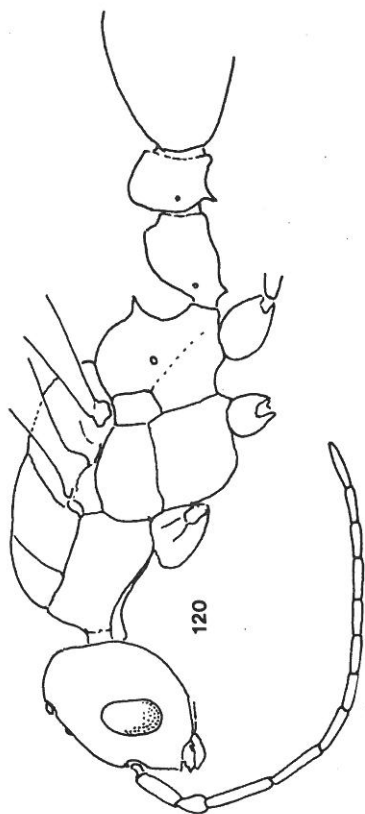


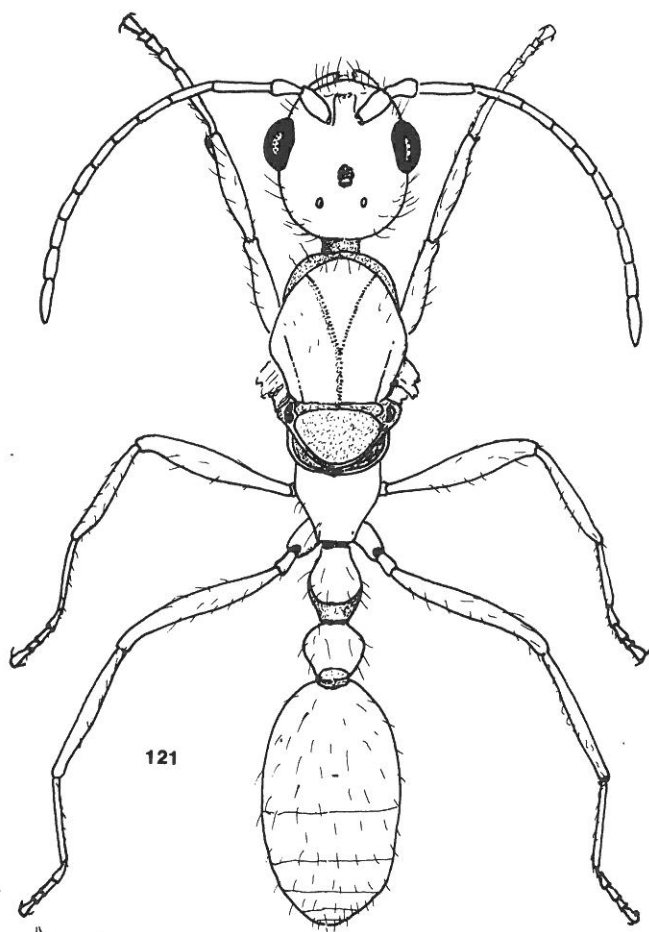
112



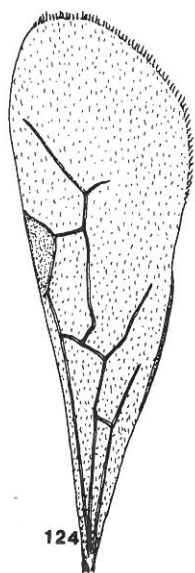
114



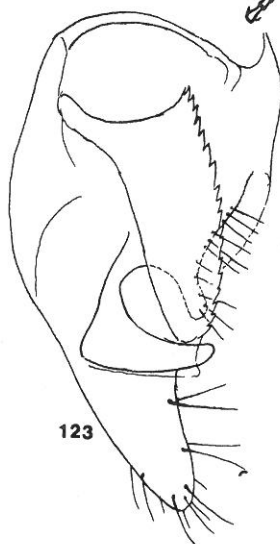




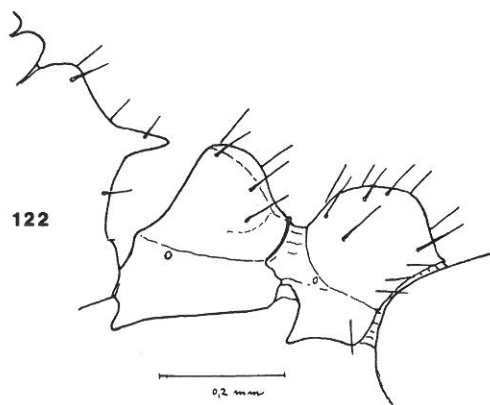
121



124

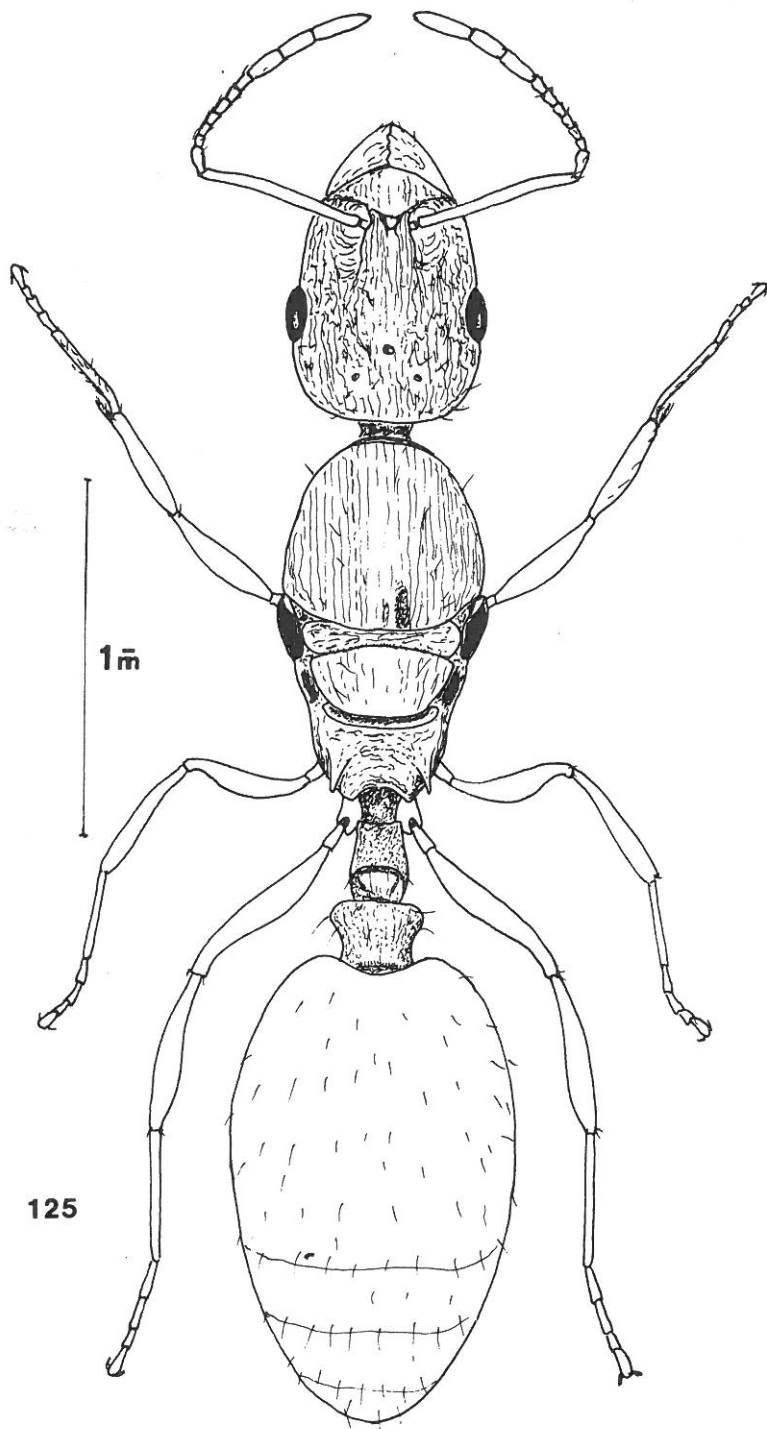


123

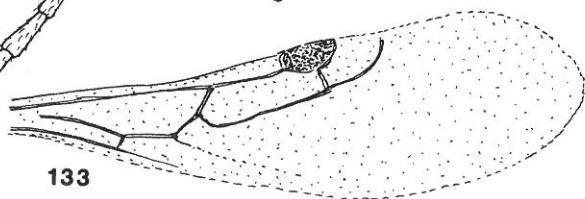
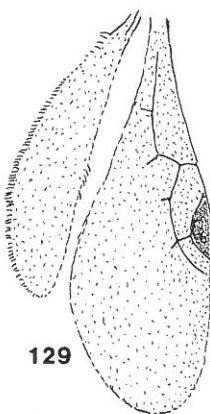
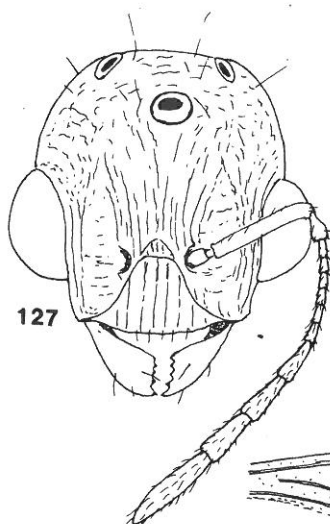
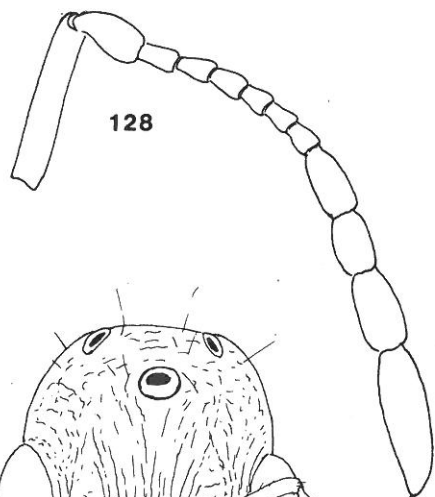
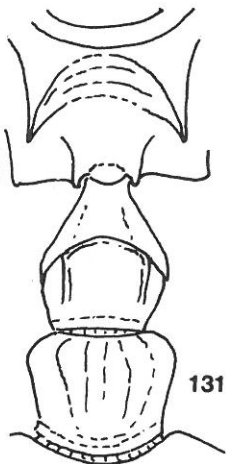
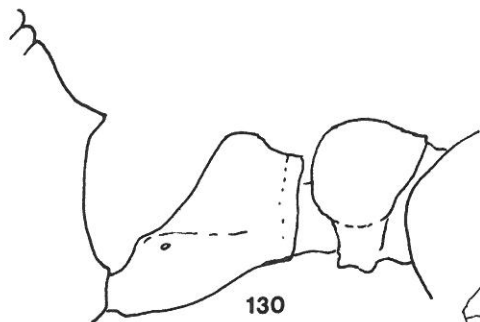
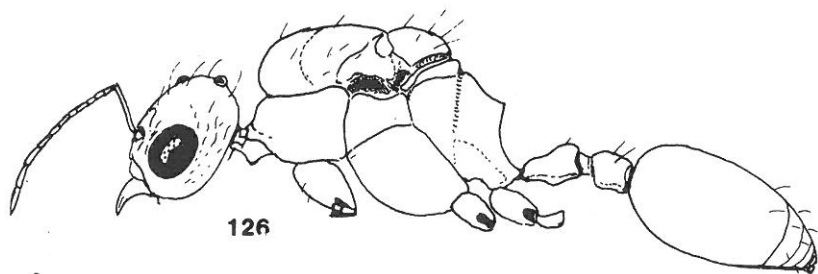


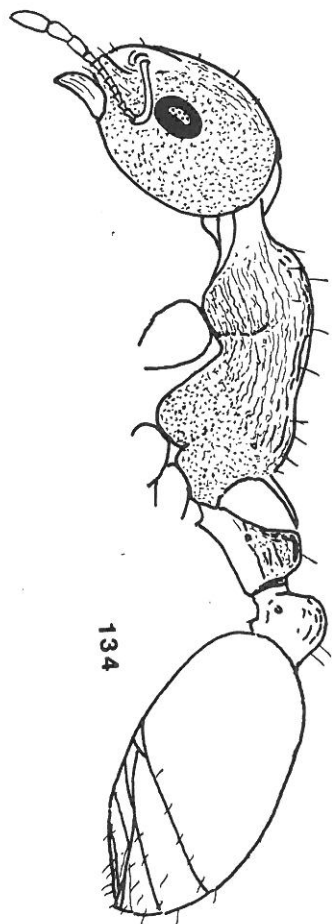
122

0.2 mm

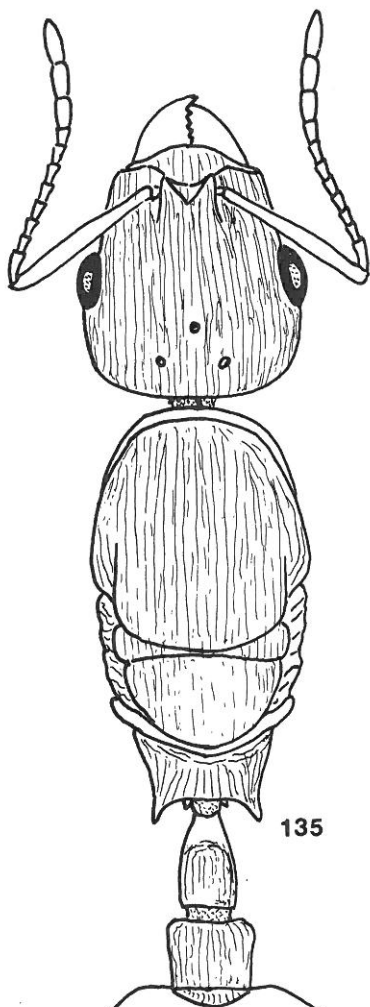


125

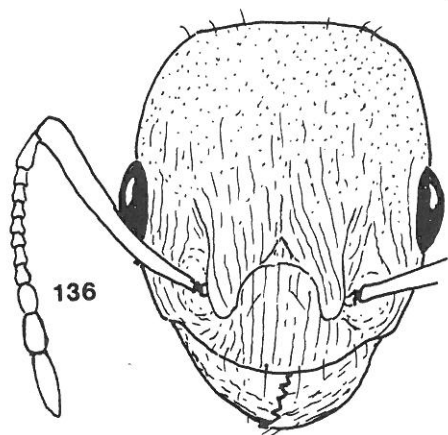




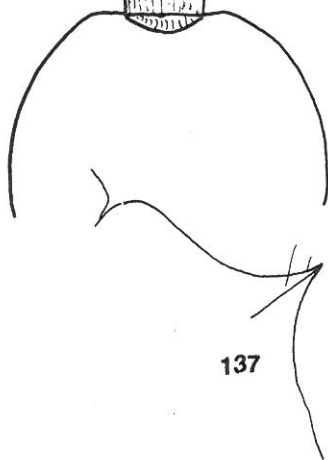
134



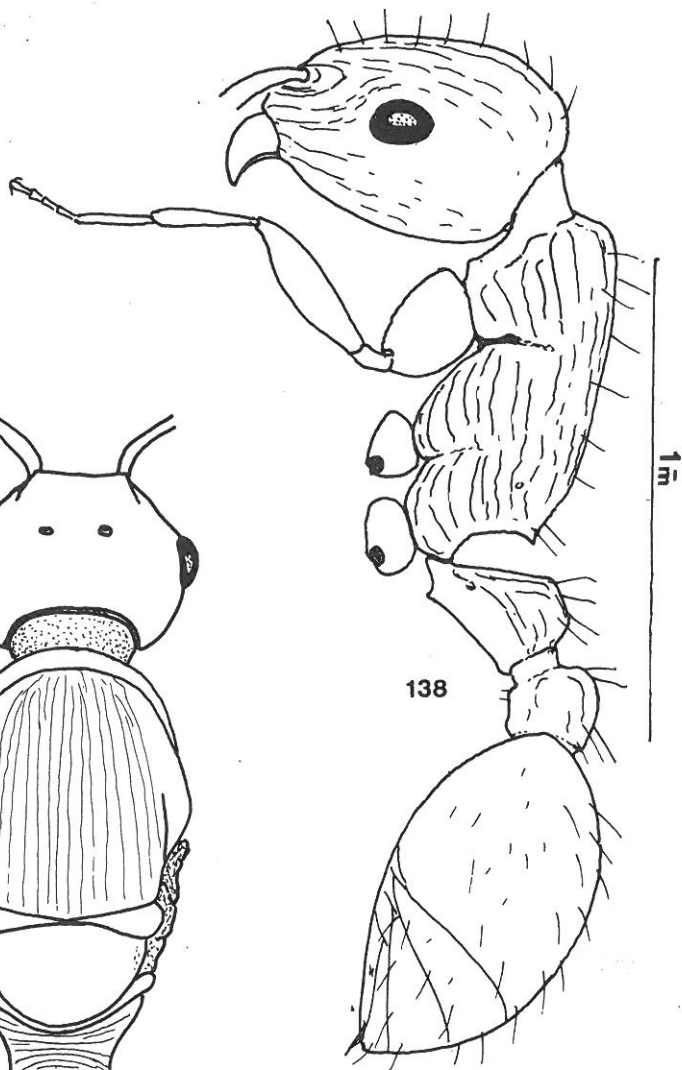
135



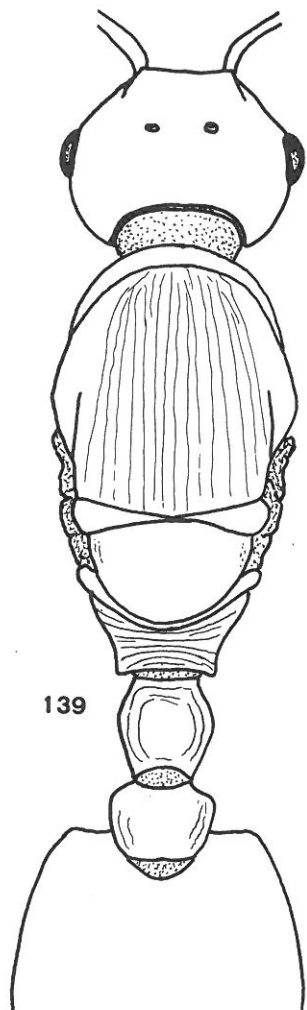
136



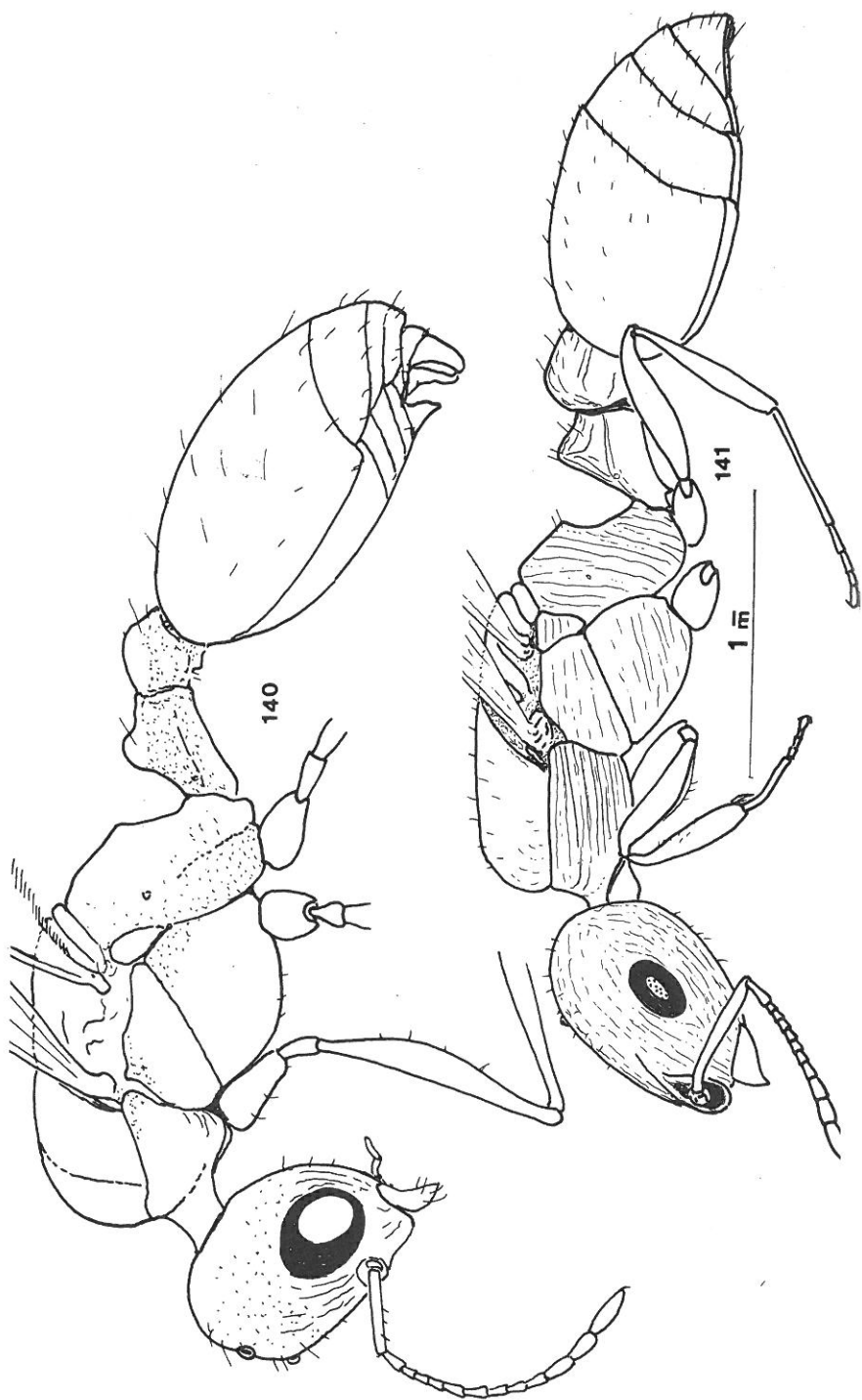
137

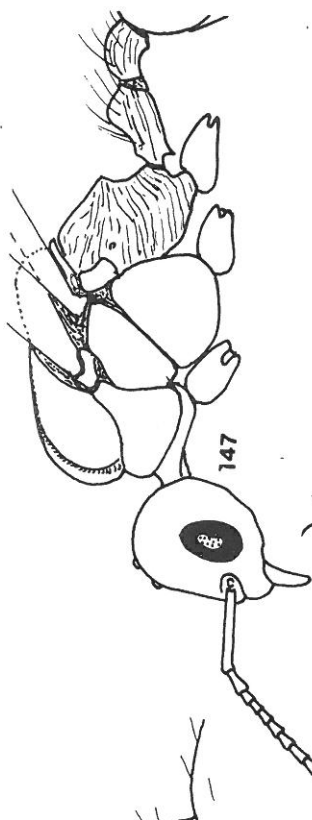


138

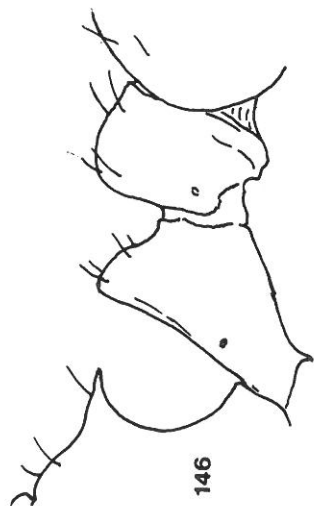


139





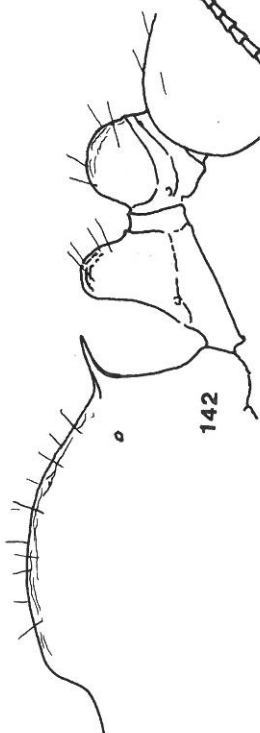
147



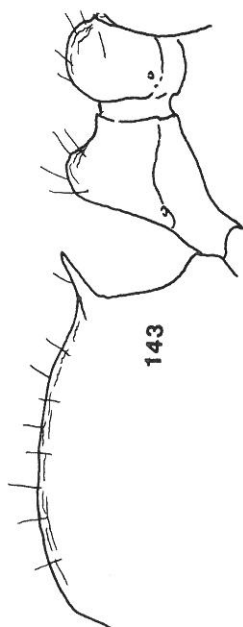
146



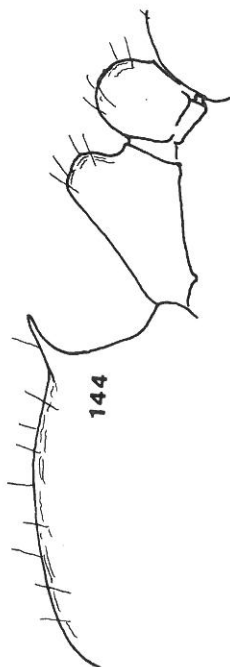
145



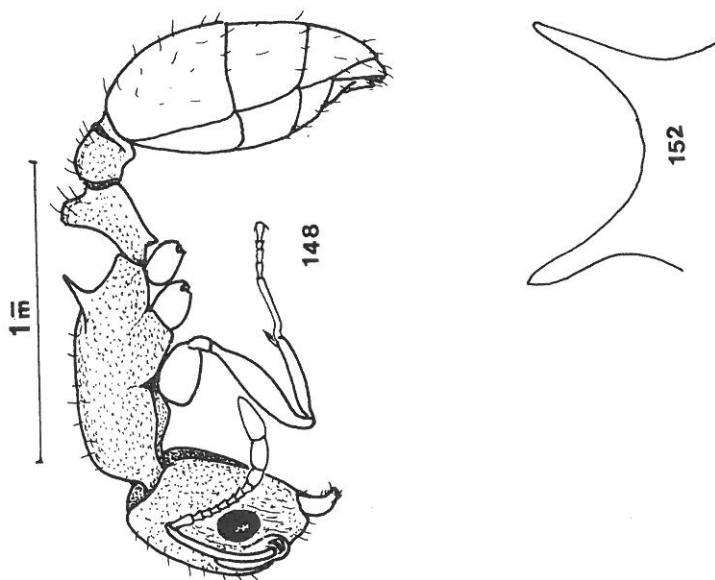
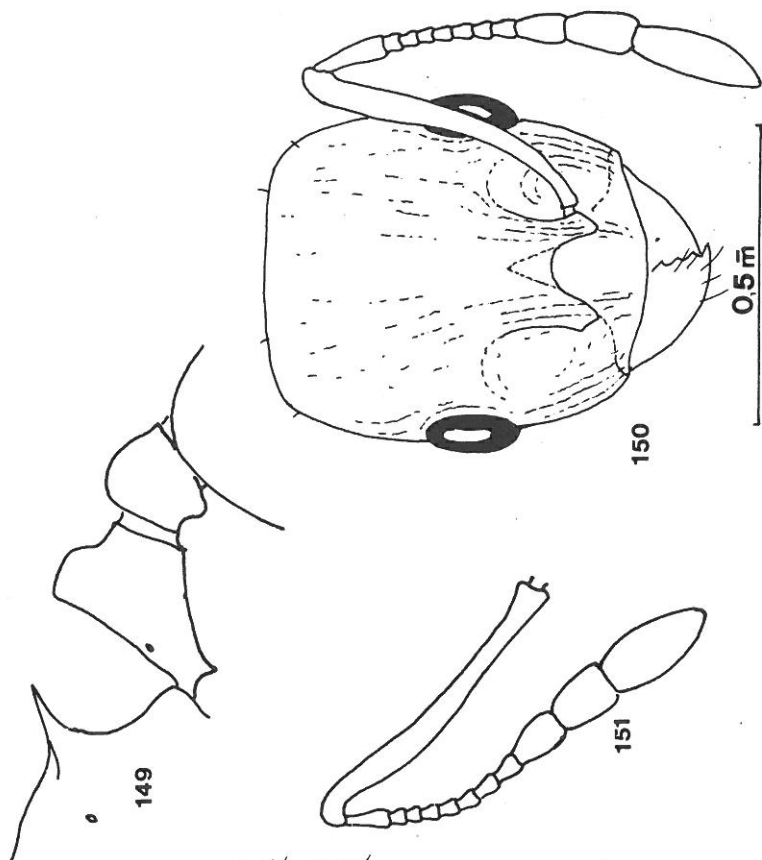
142

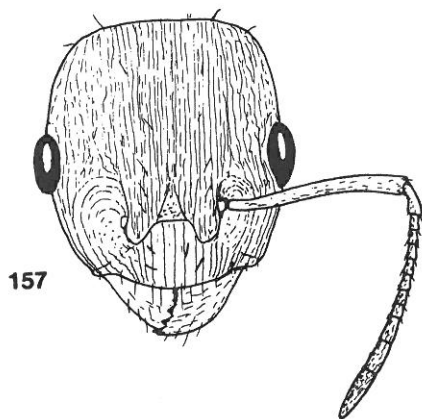
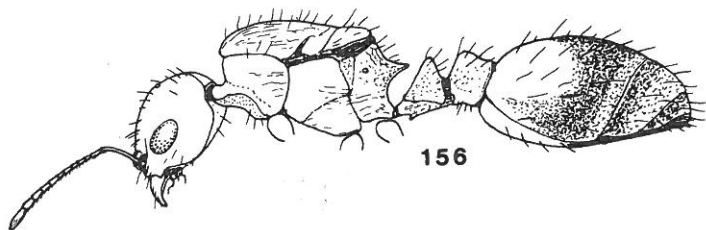
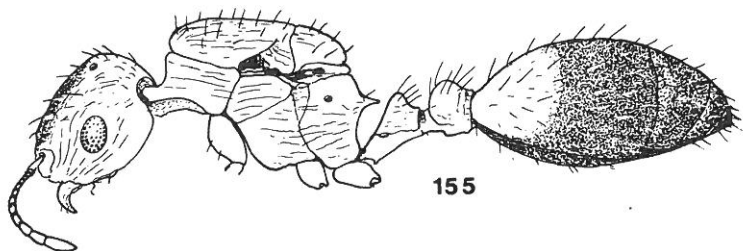
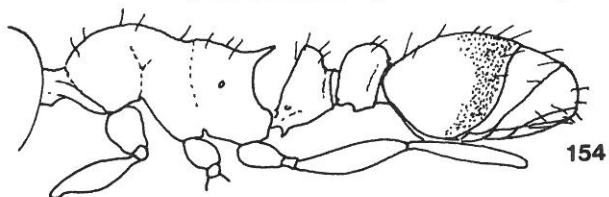
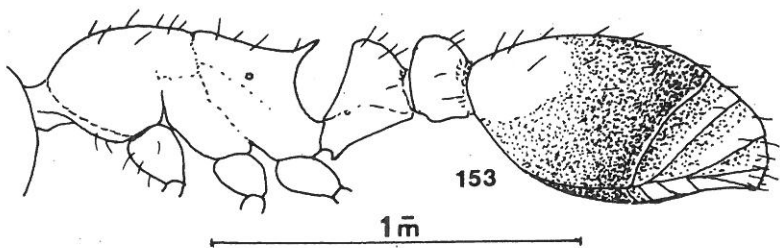


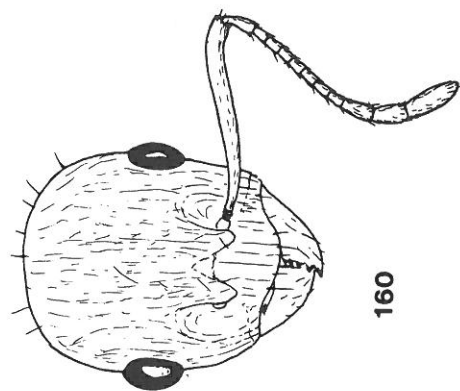
143



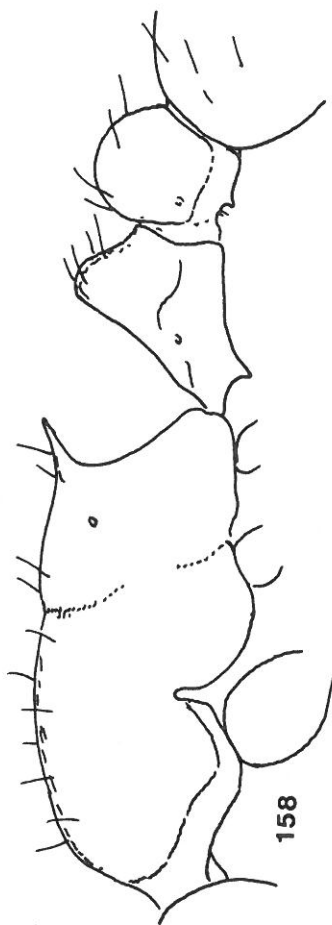
144



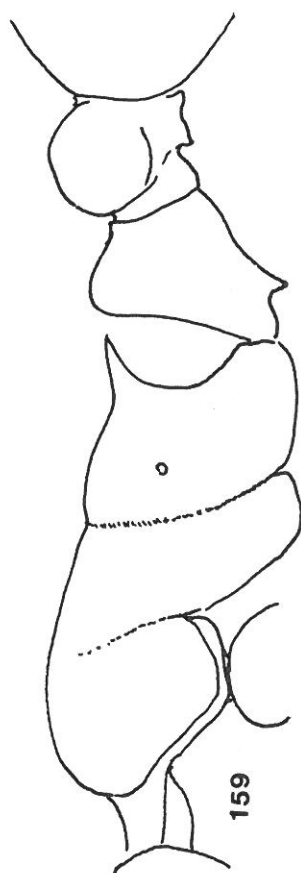




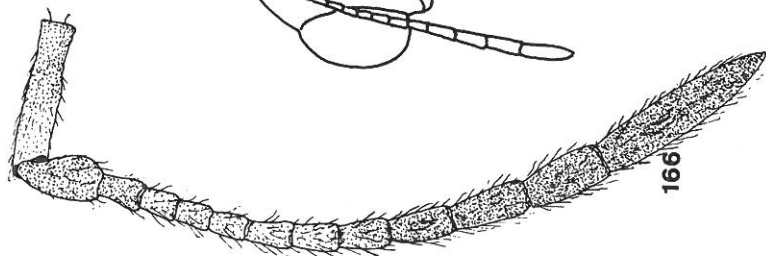
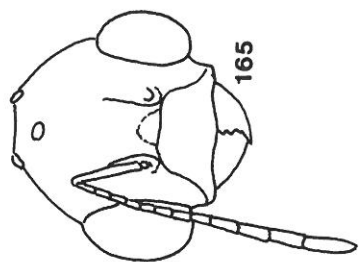
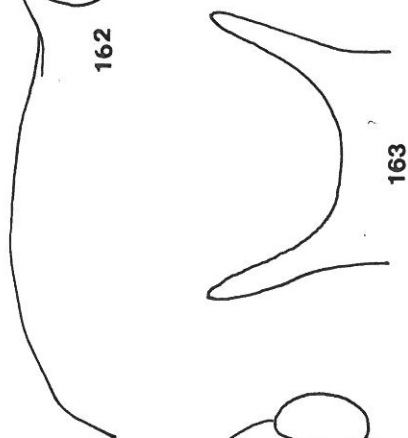
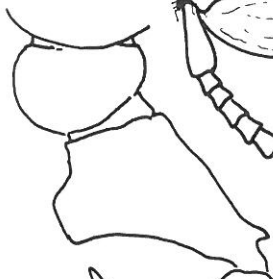
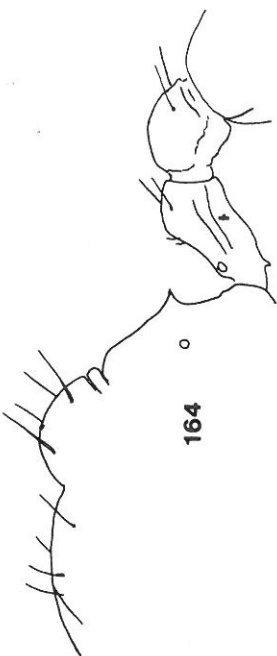
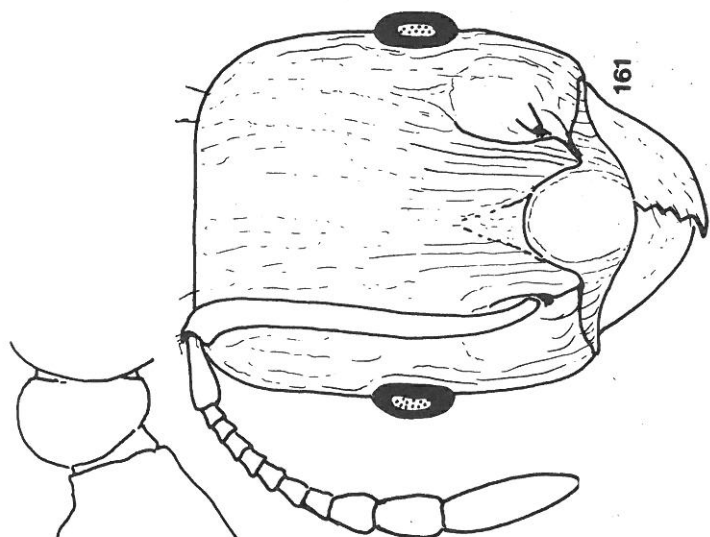
160

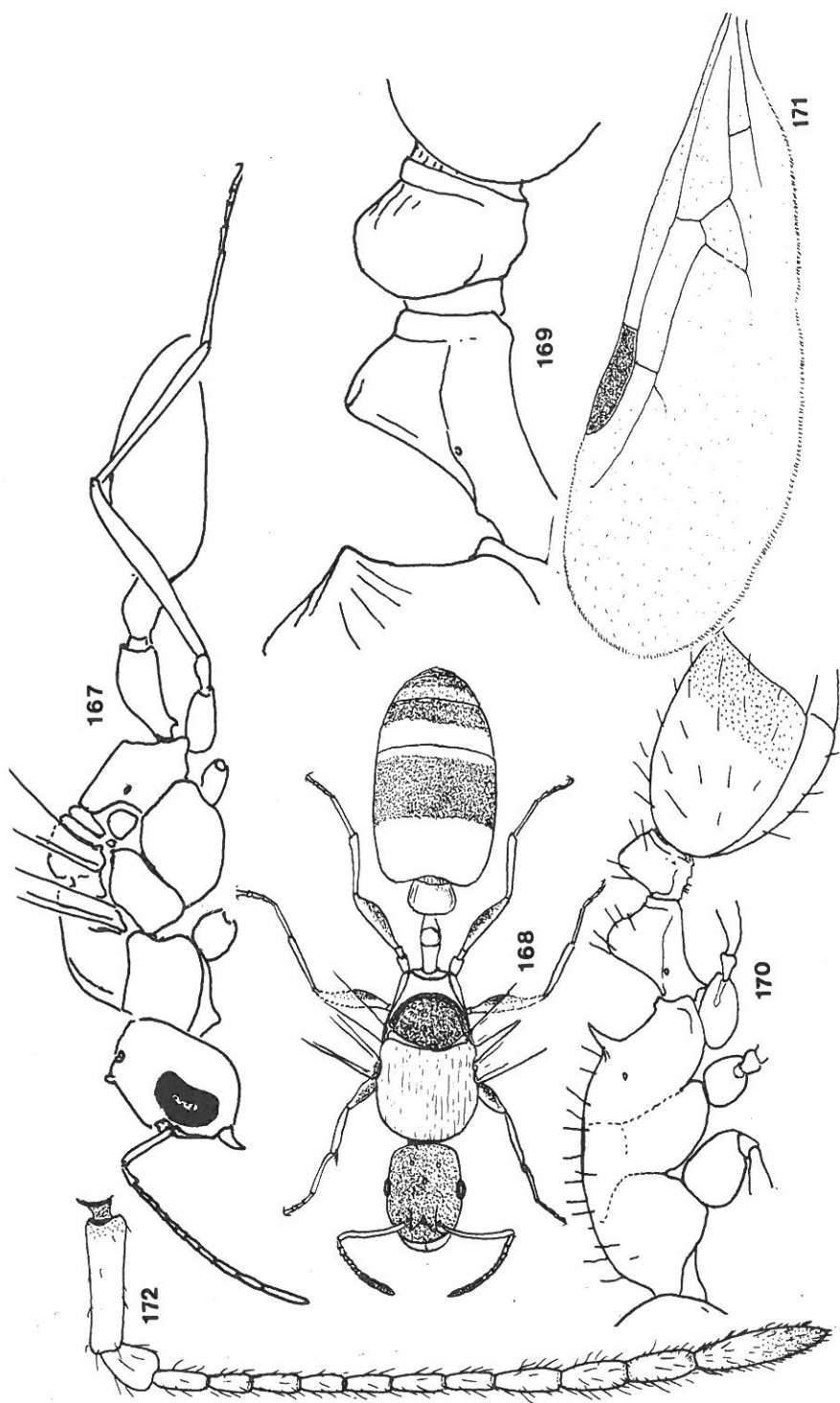


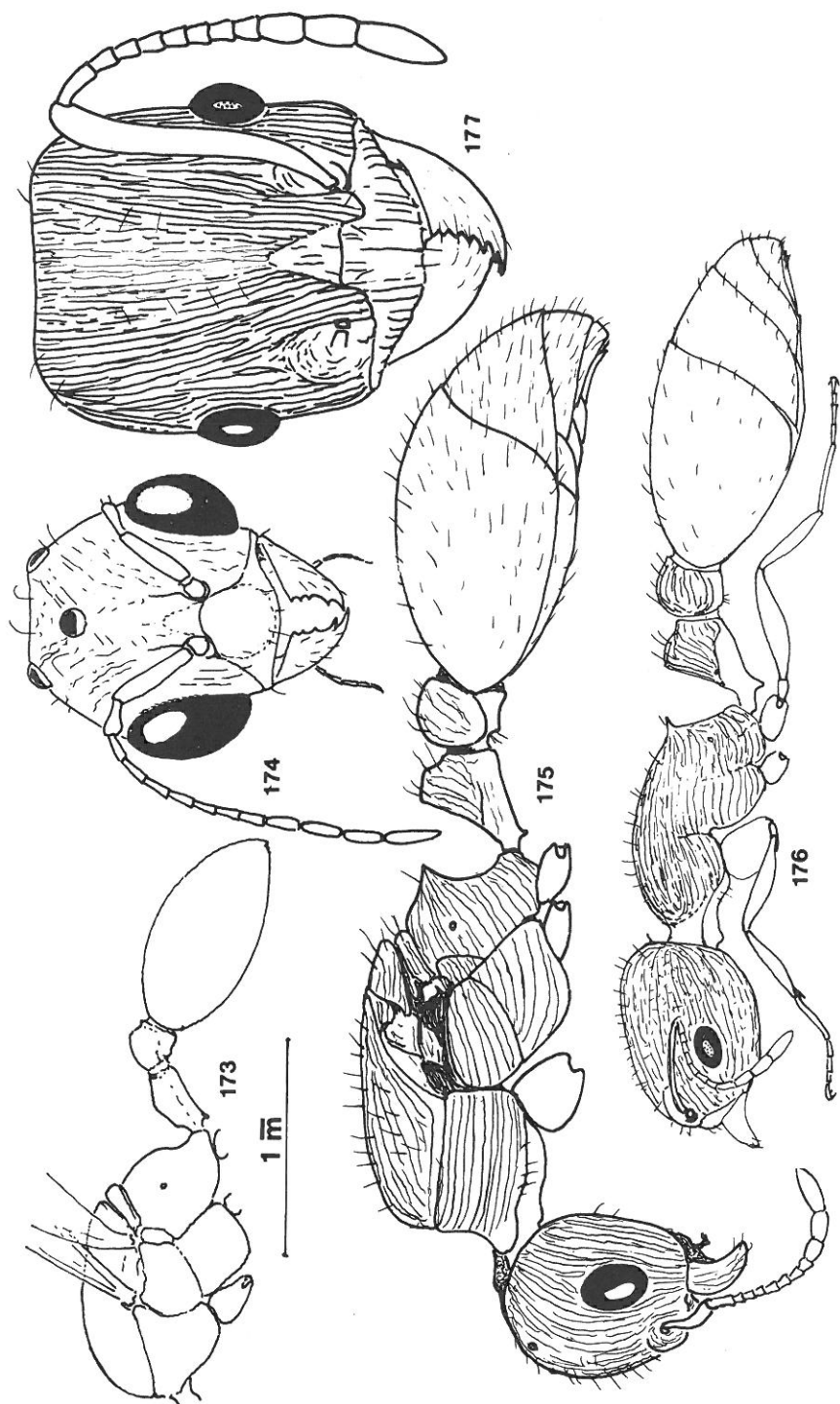
158

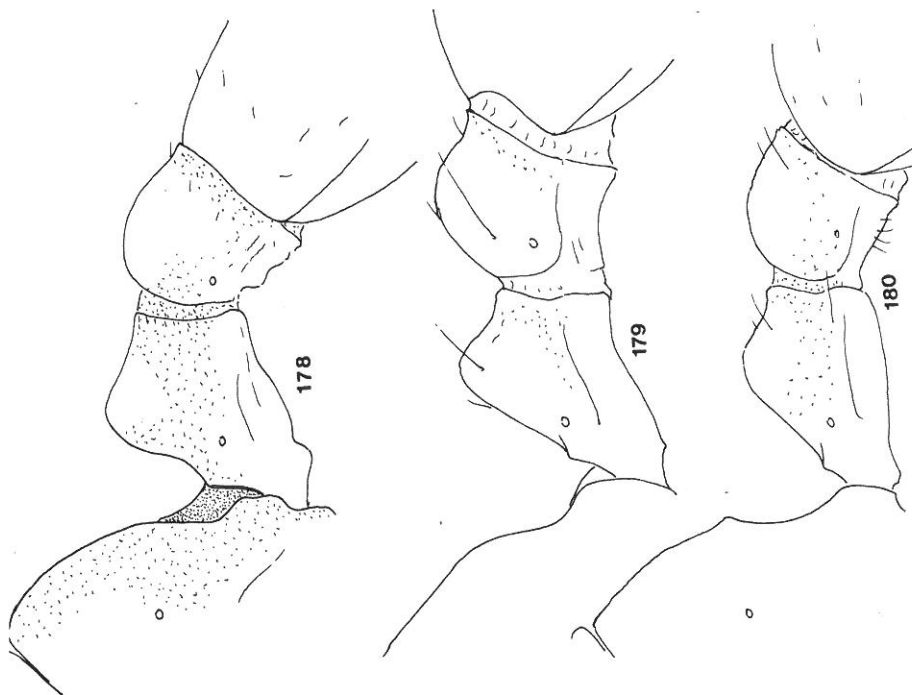
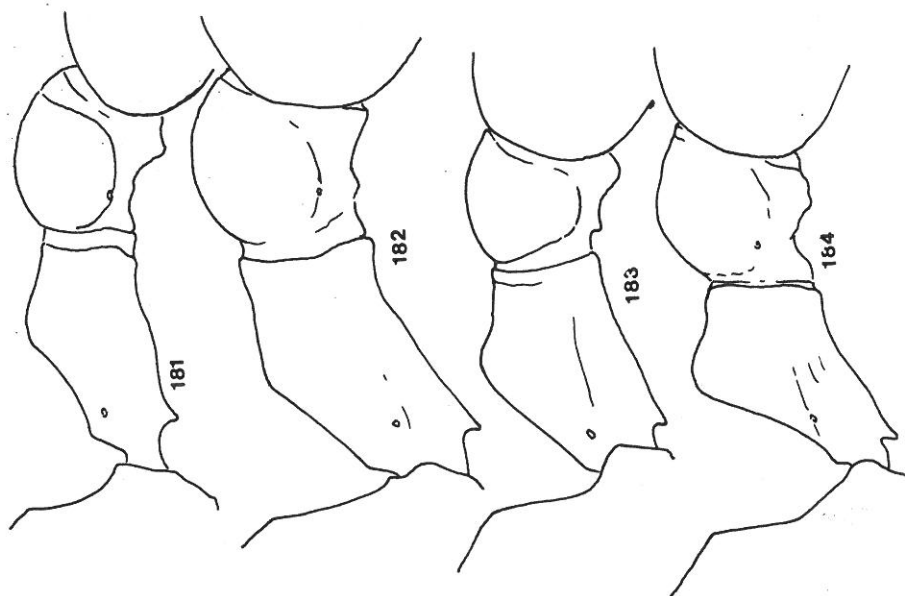


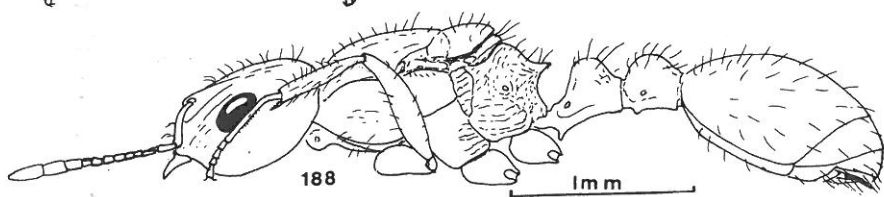
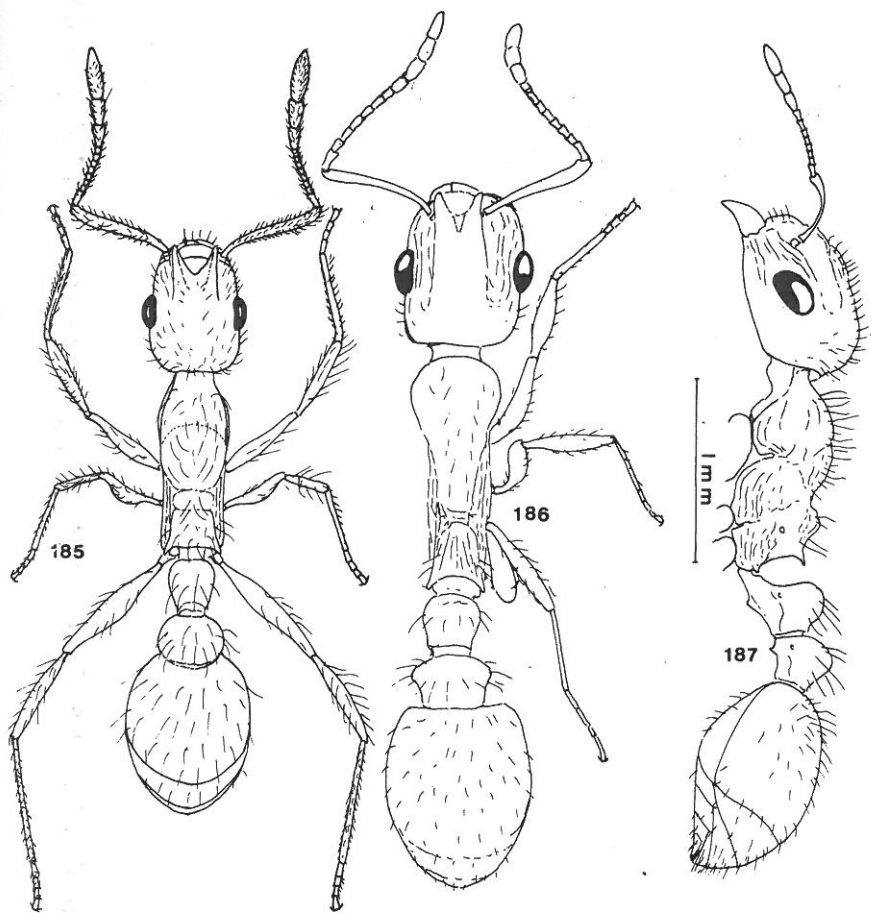
159



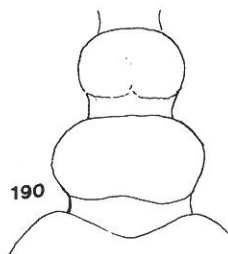
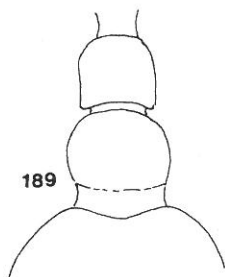








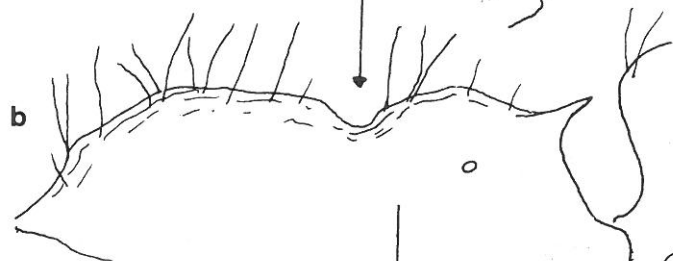
0,25 mm



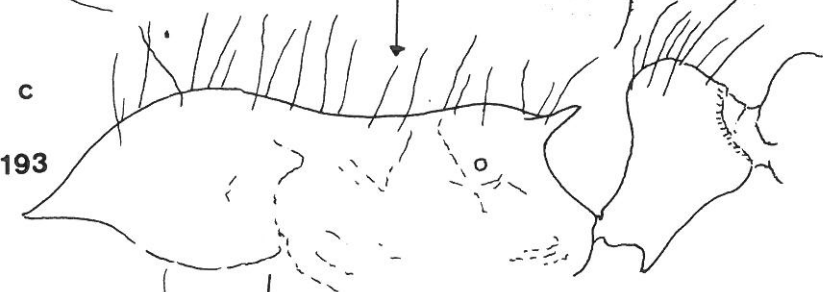
191



192



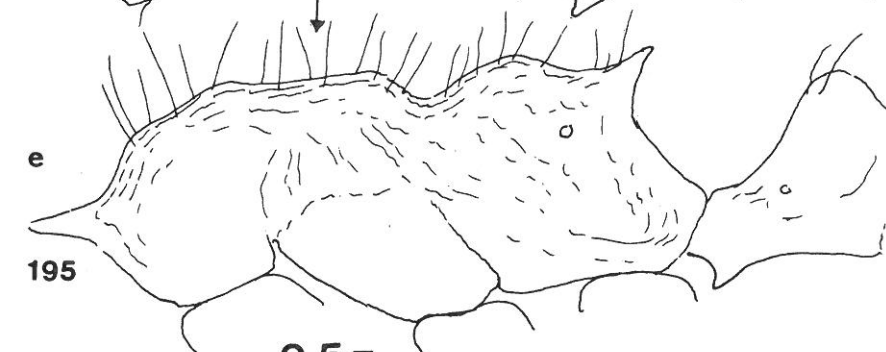
193



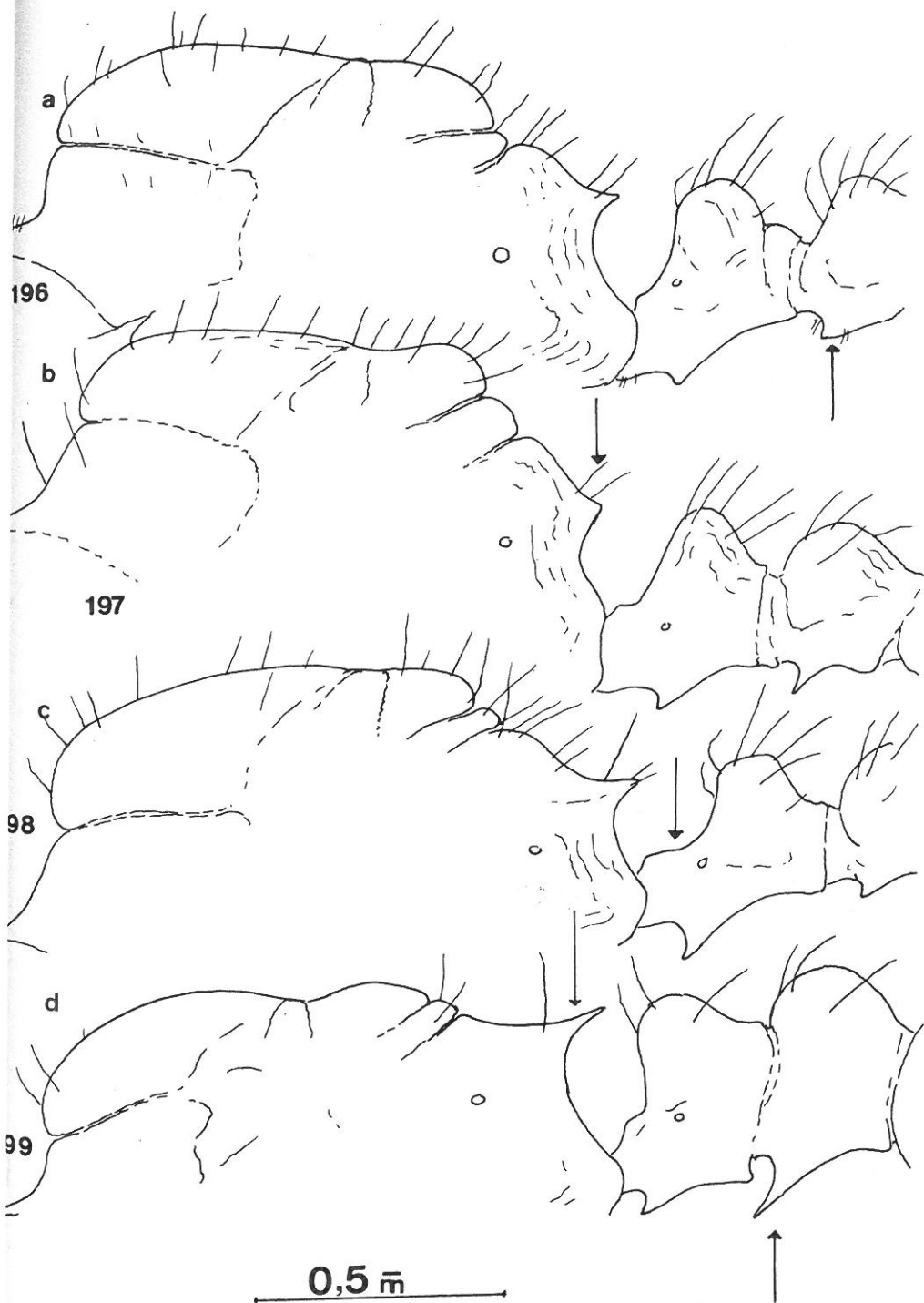
194

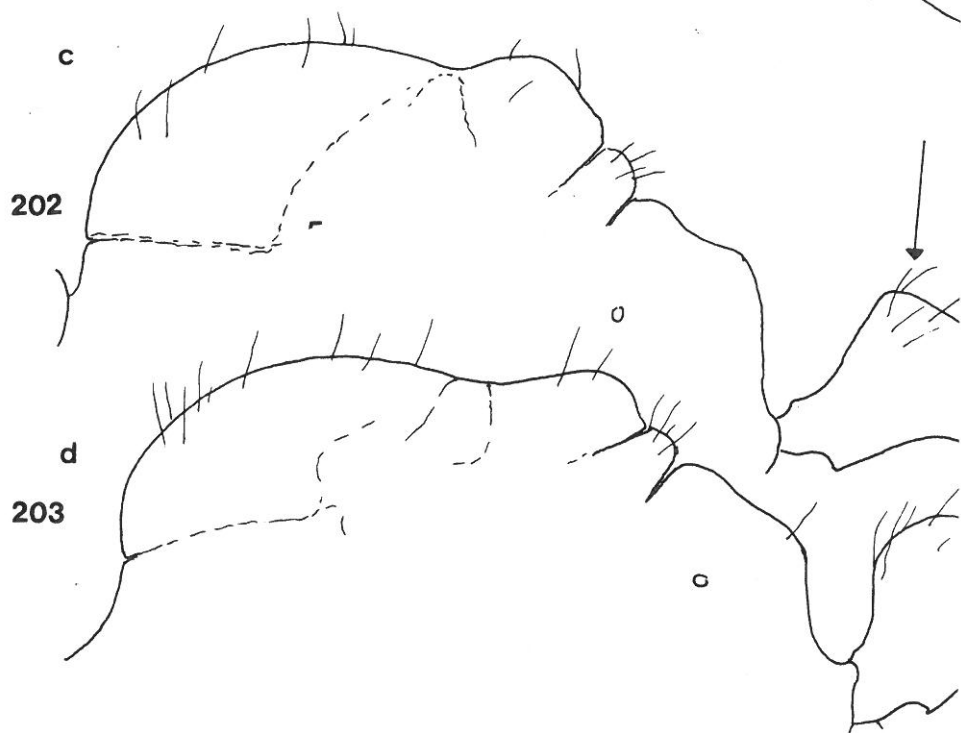
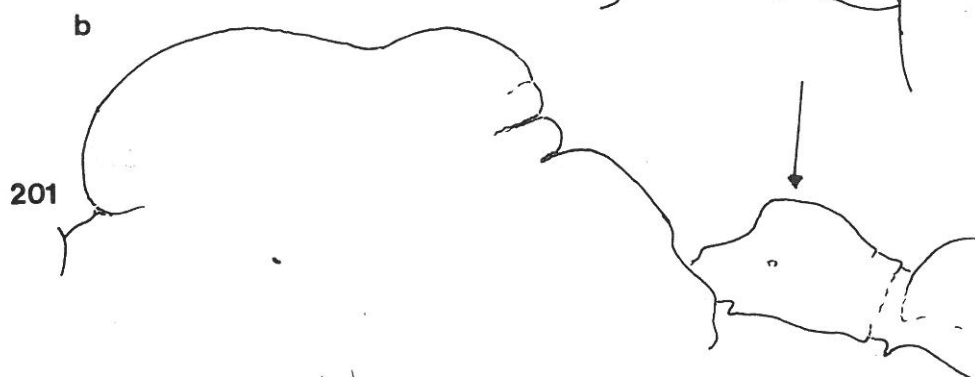
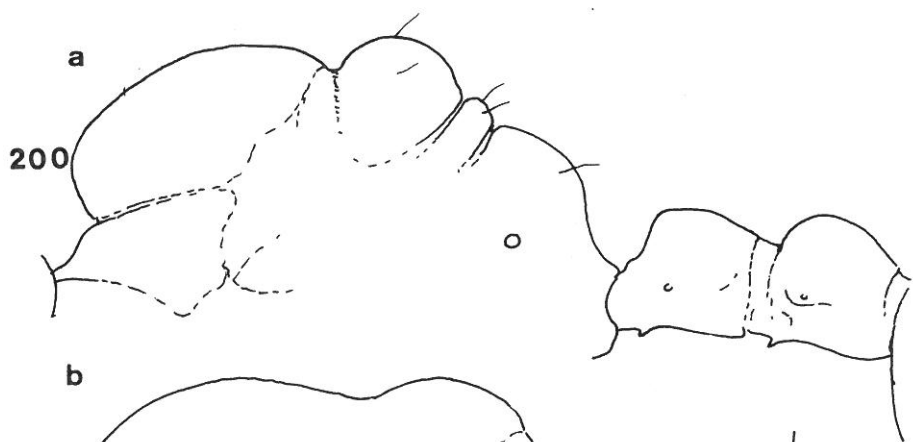


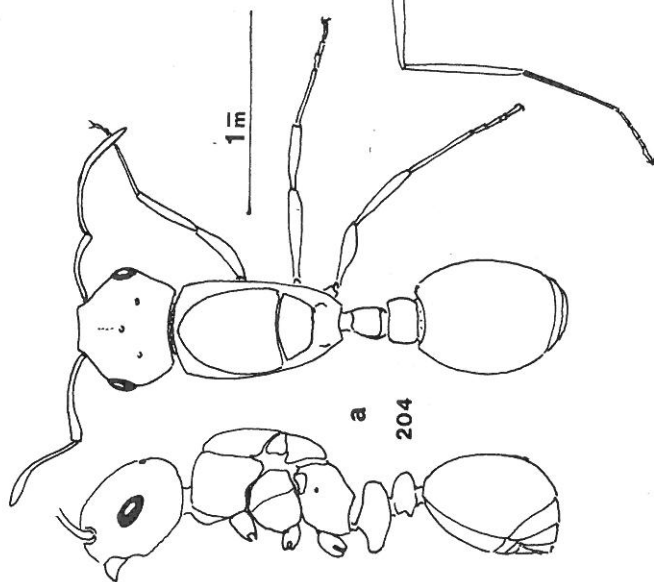
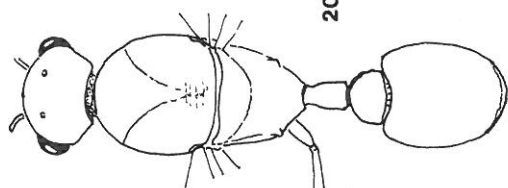
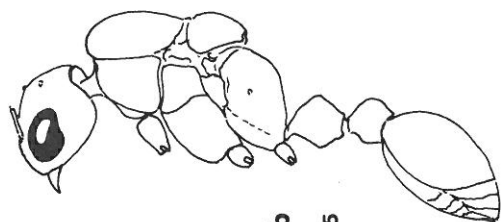
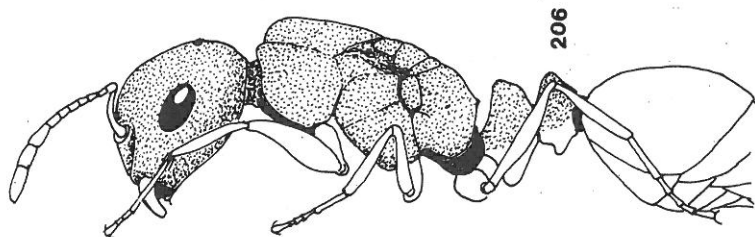
195

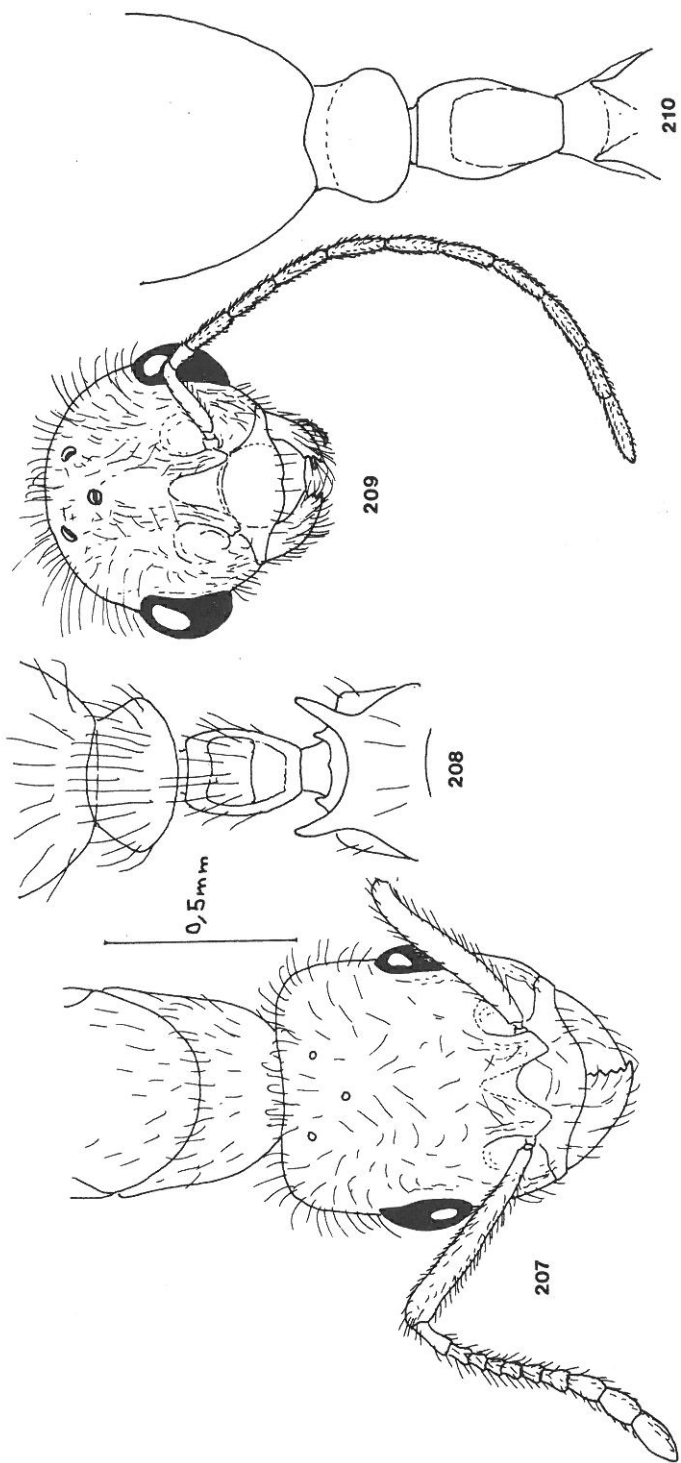


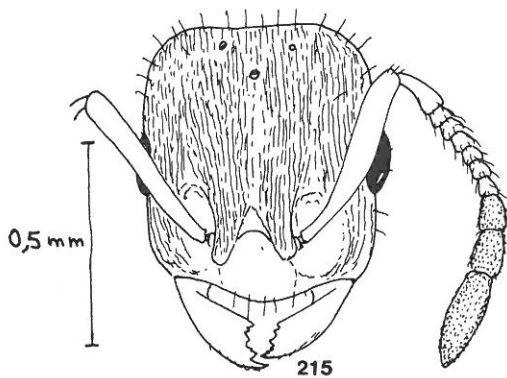
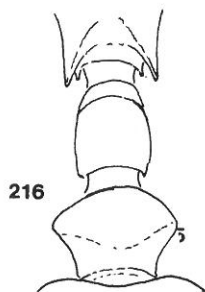
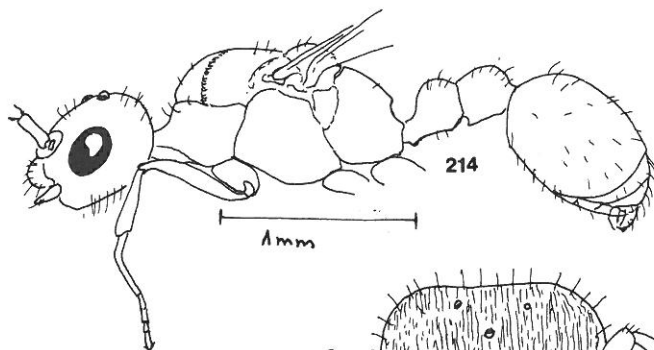
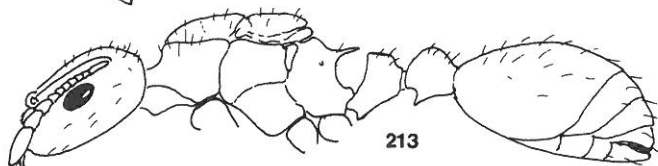
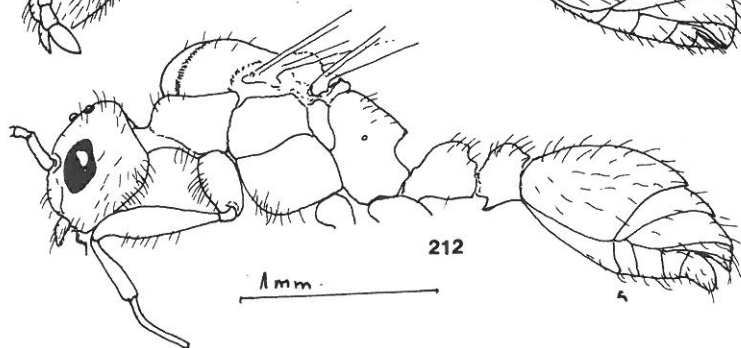
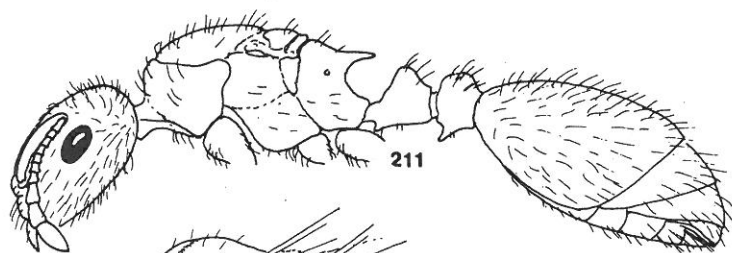
0,5m

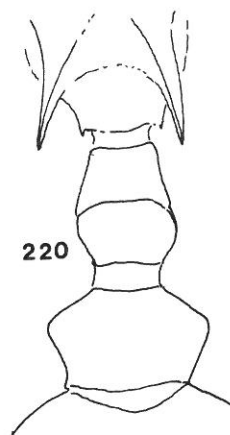
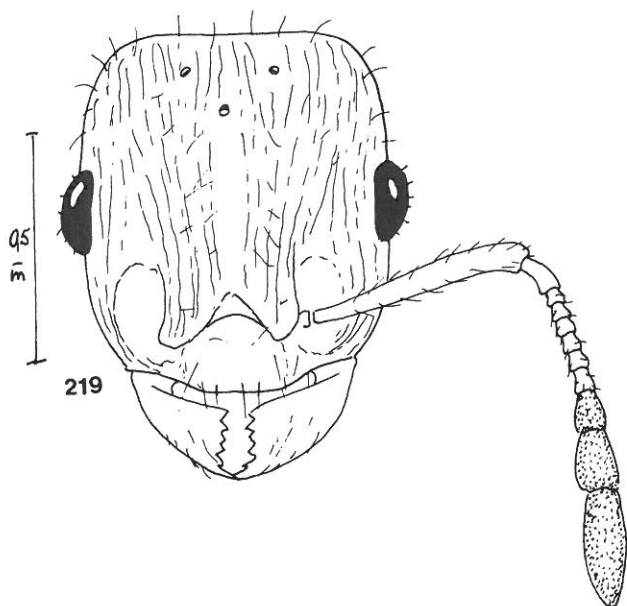
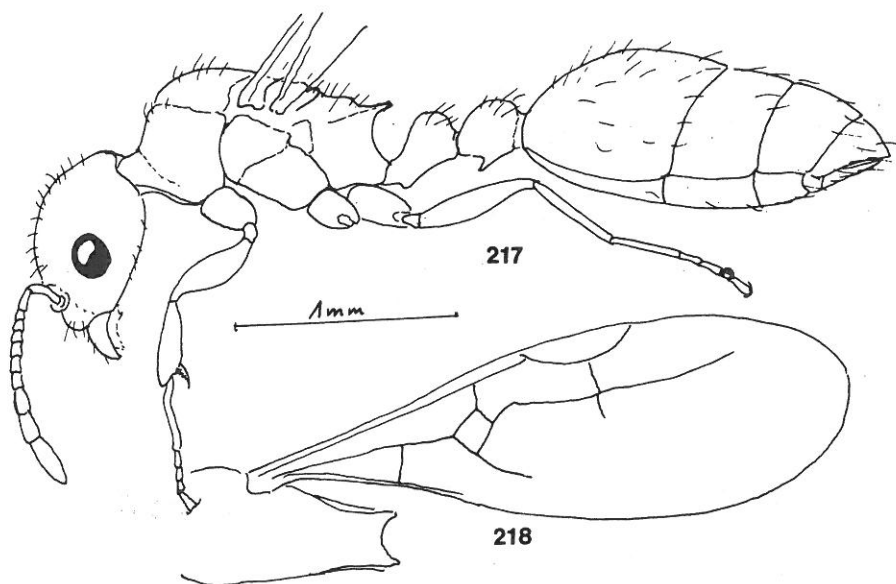


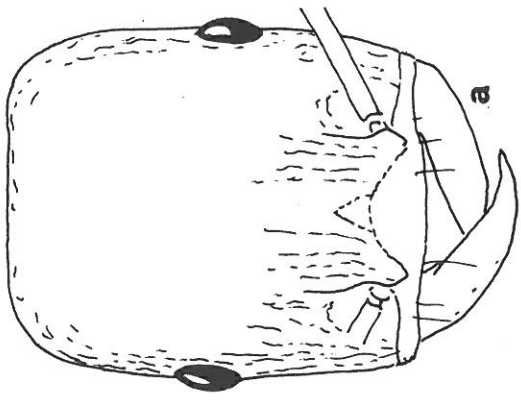




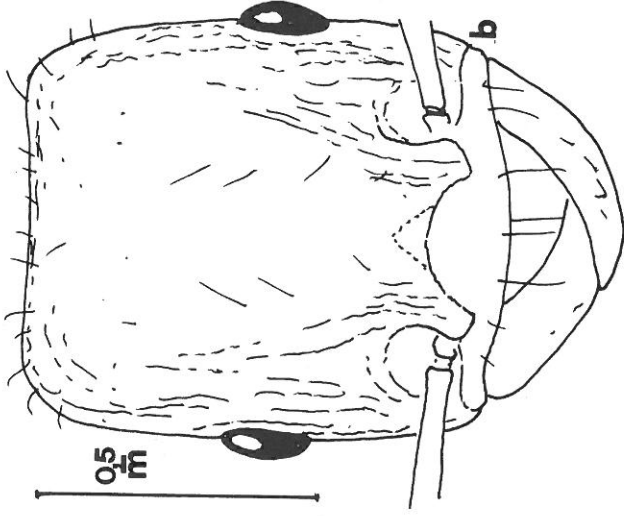




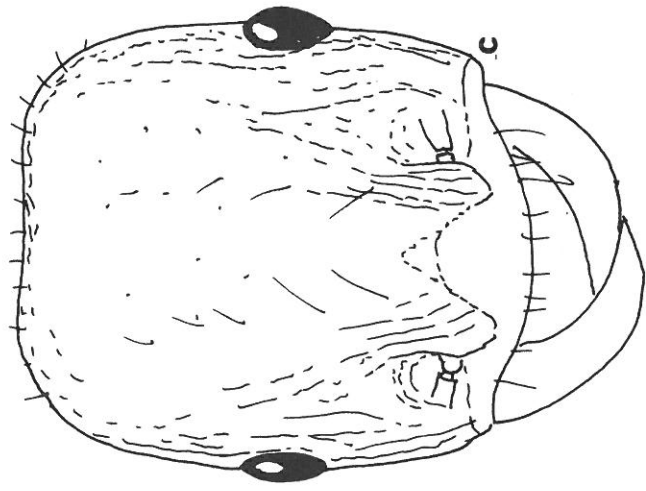




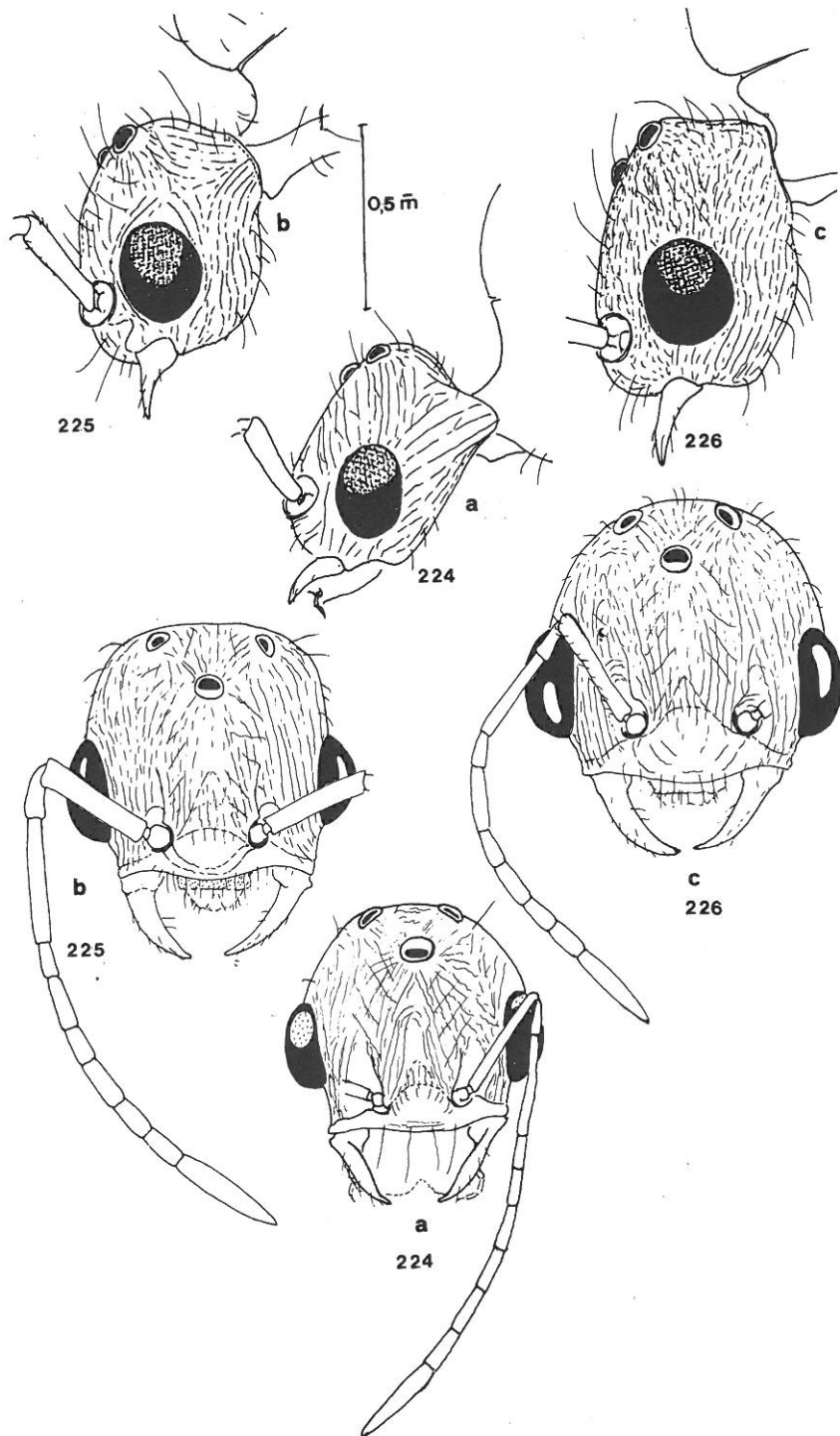
221

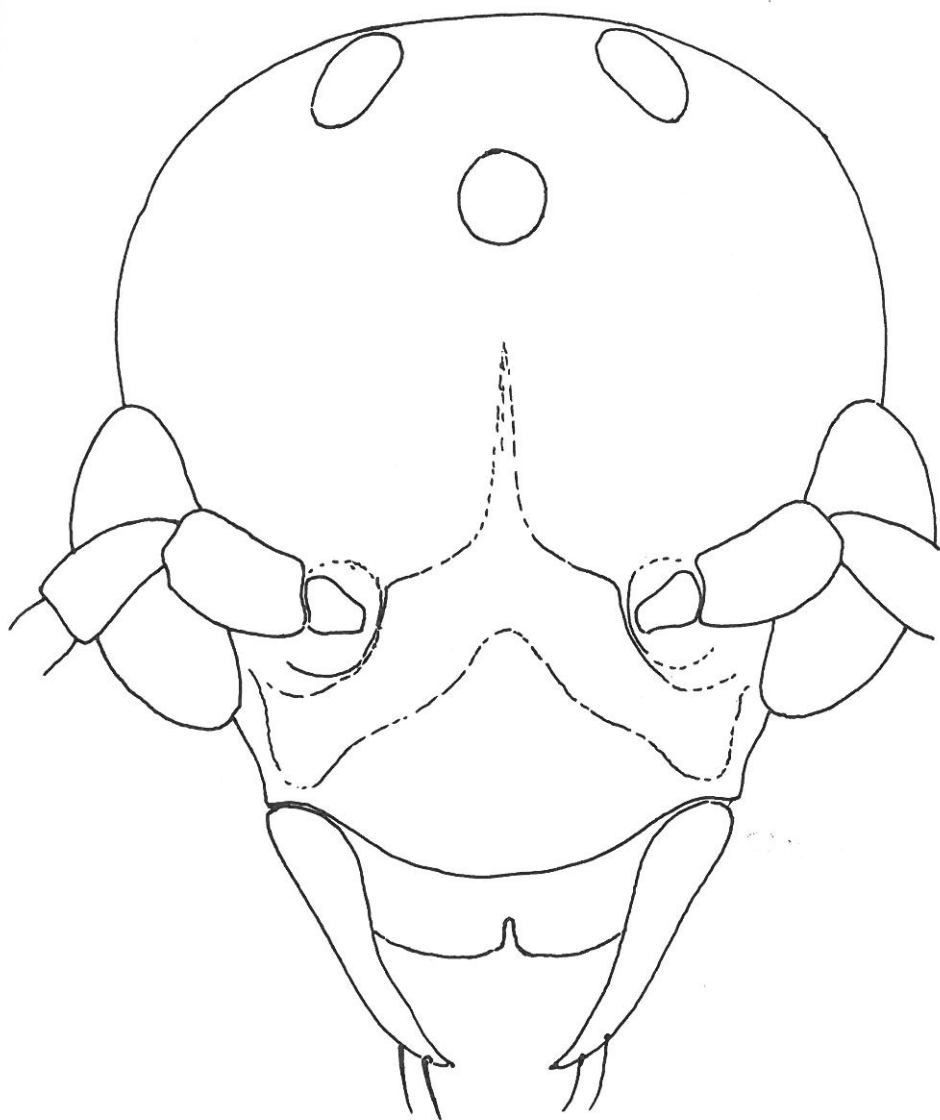


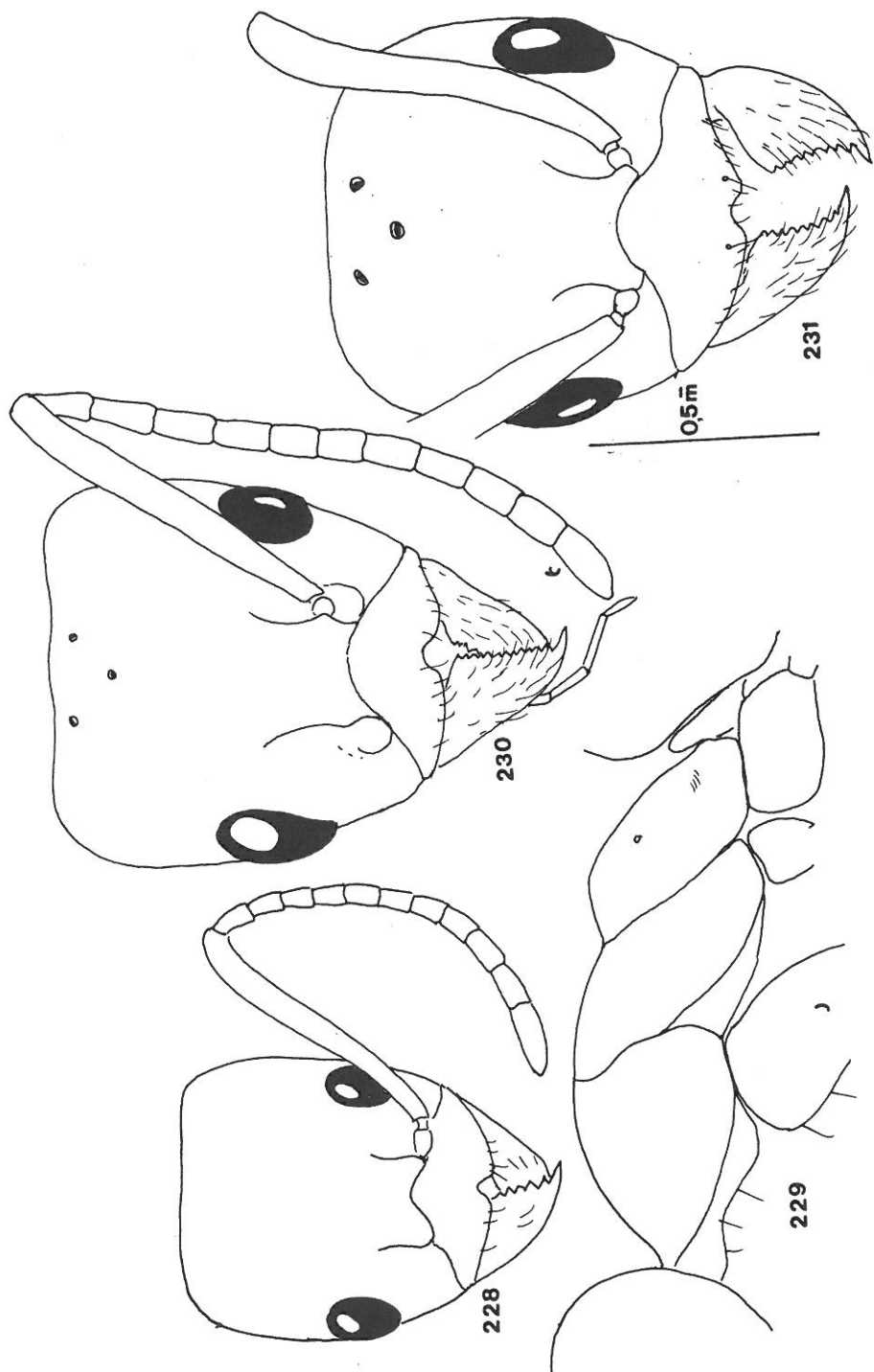
222

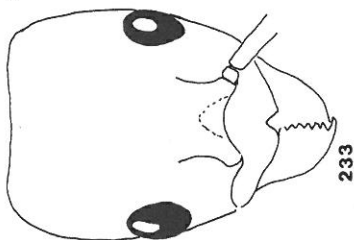
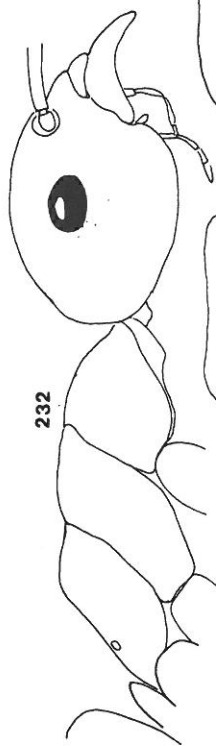
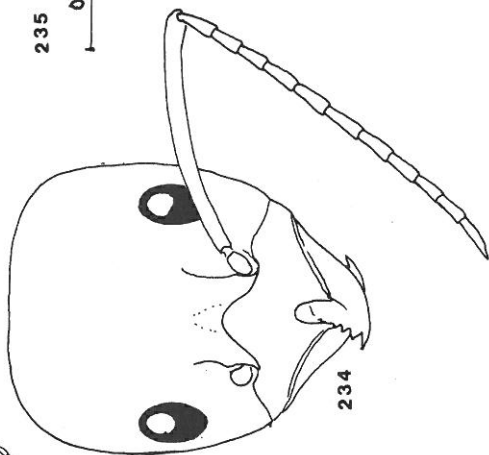
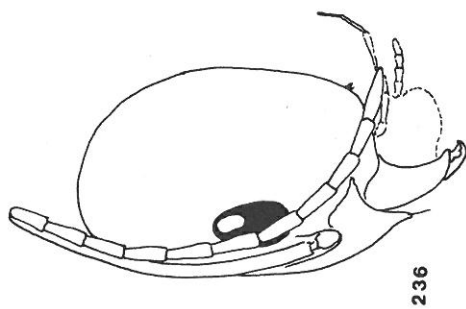
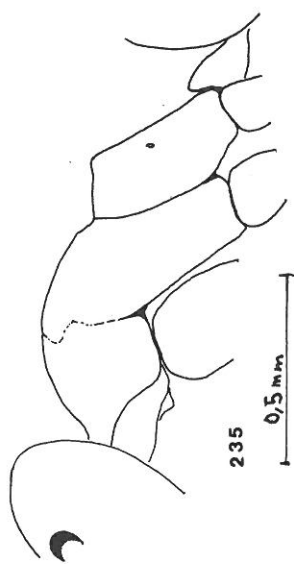


223

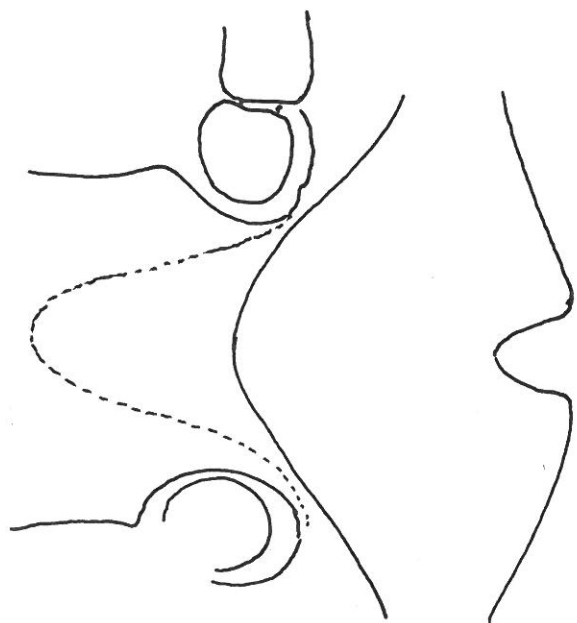




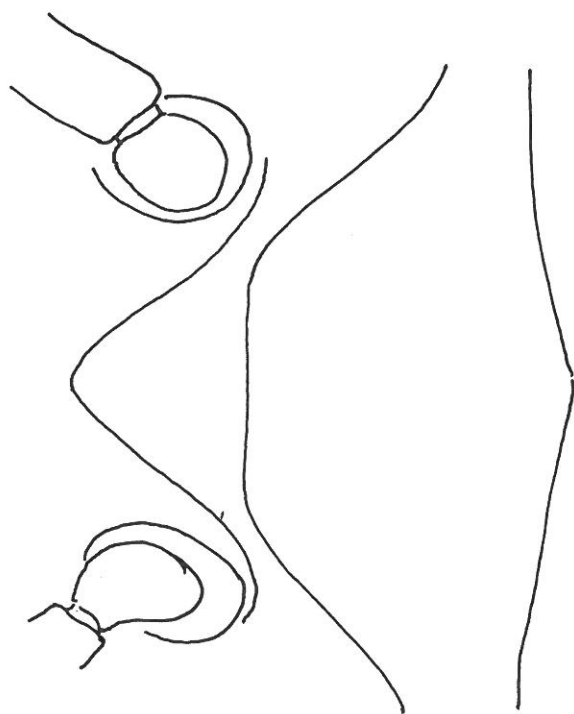




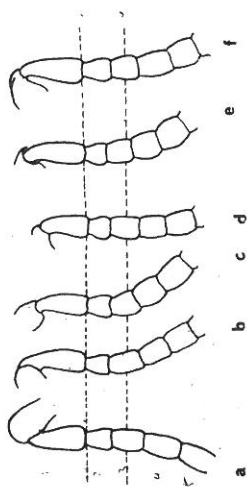
0,5 m



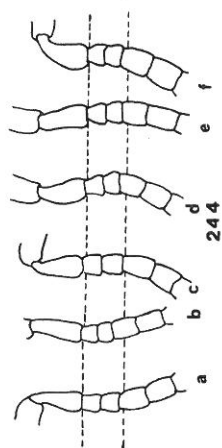
238



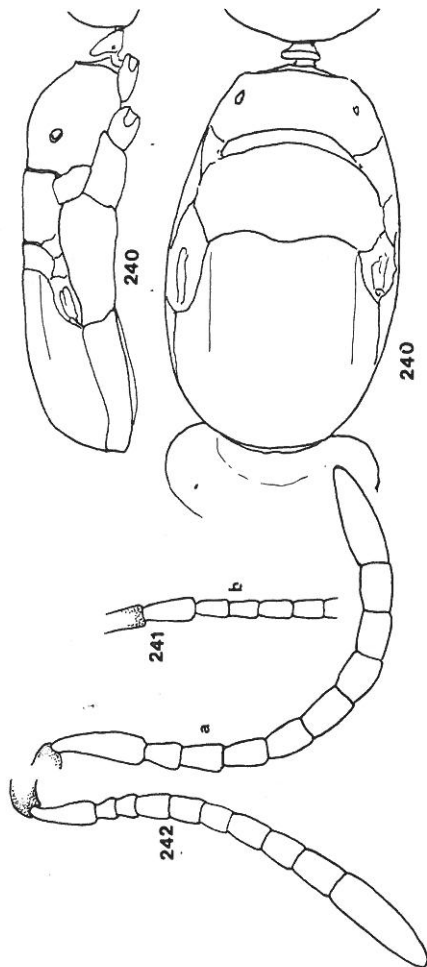
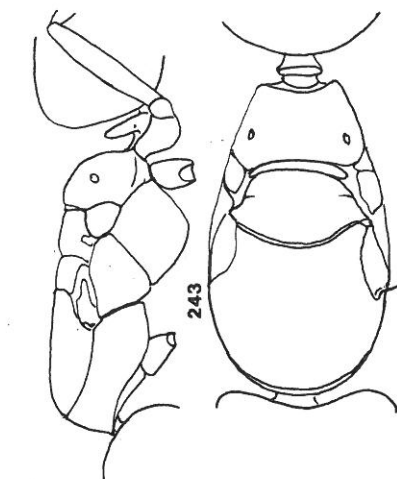
237



239



244



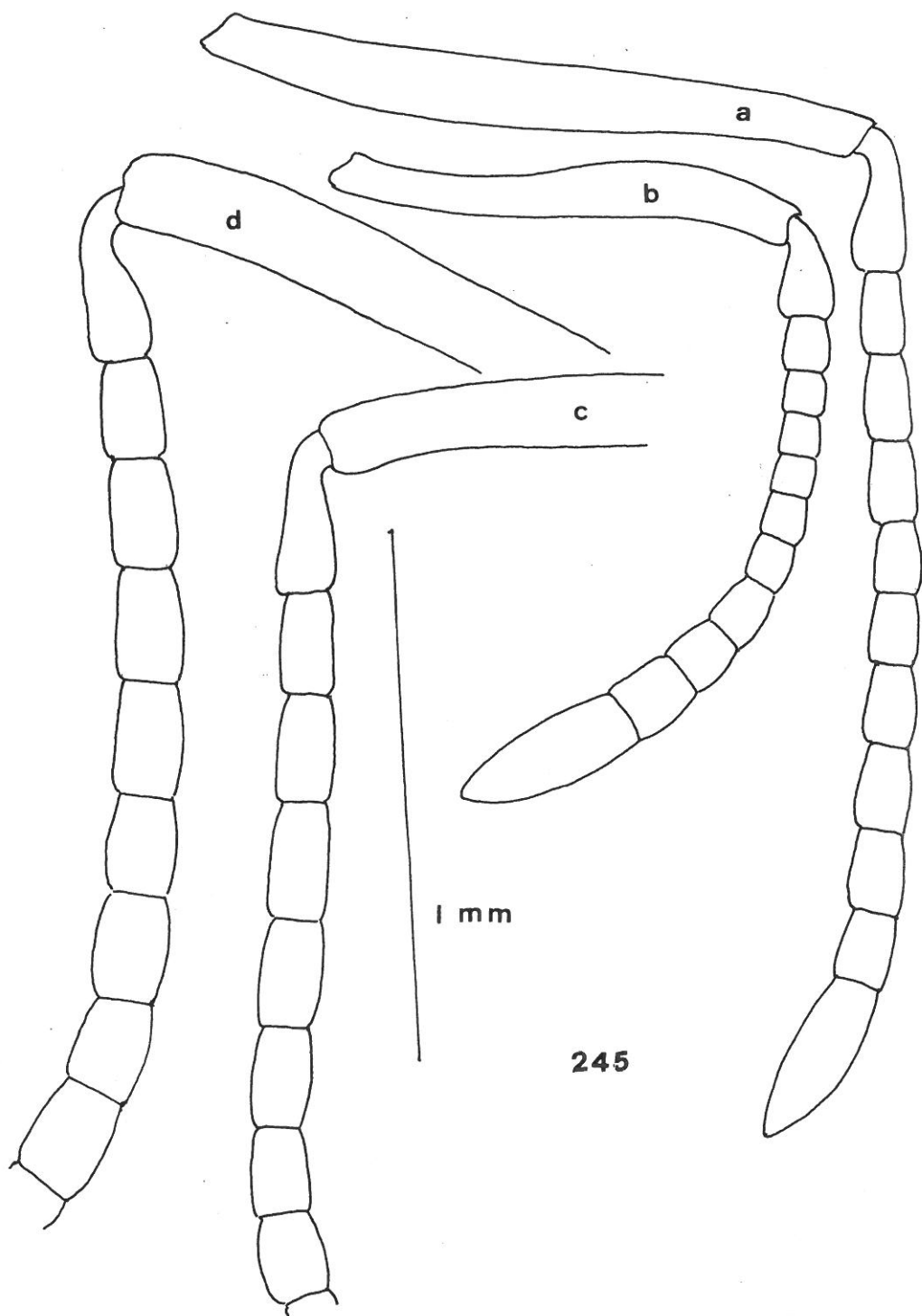
241

242

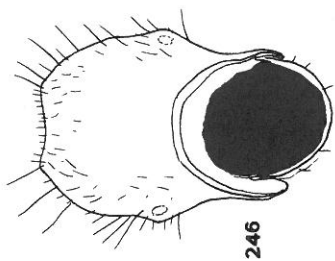
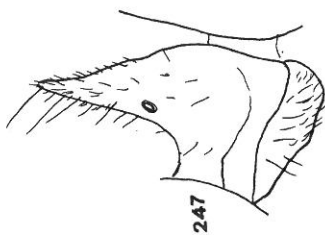
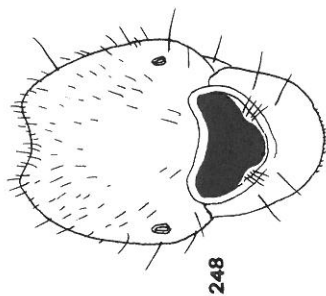
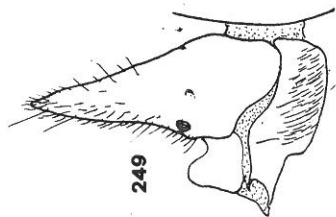
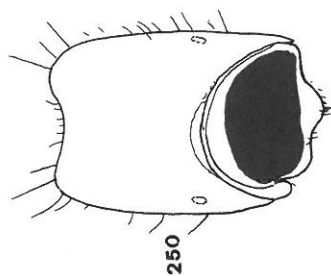
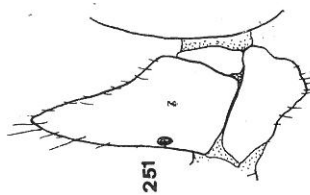
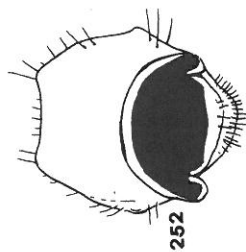
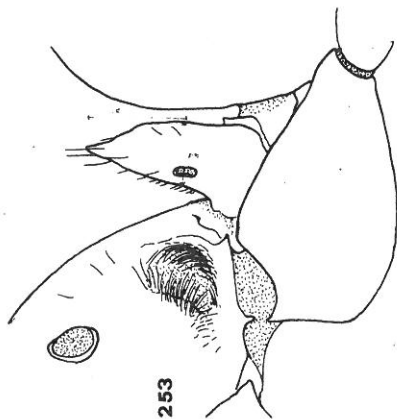
243

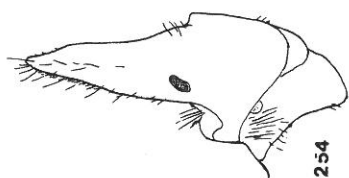
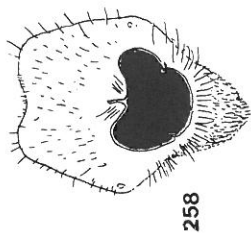
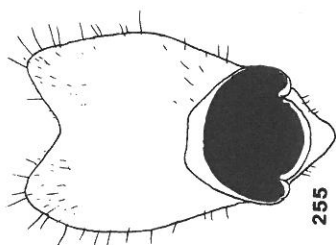
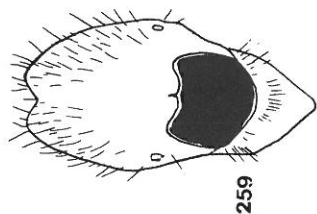
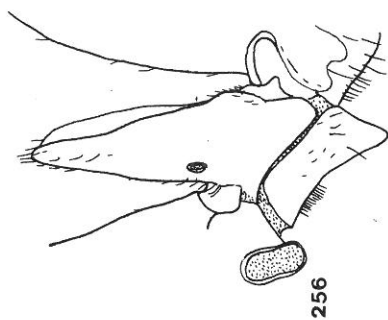
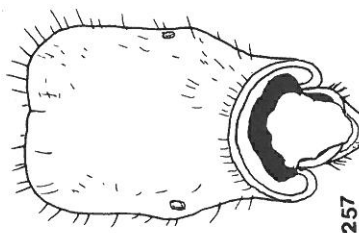
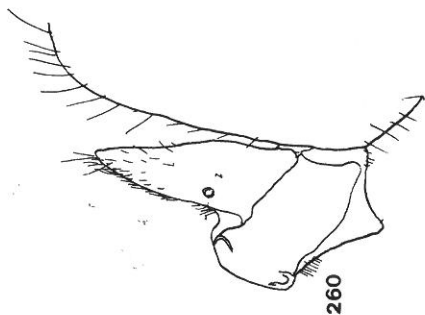
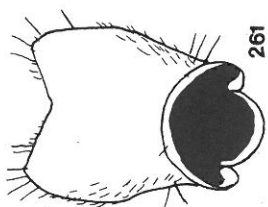
240

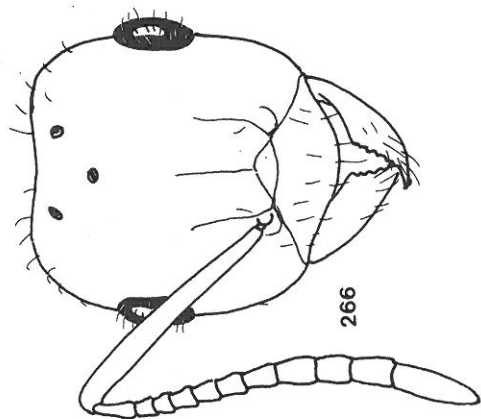
240



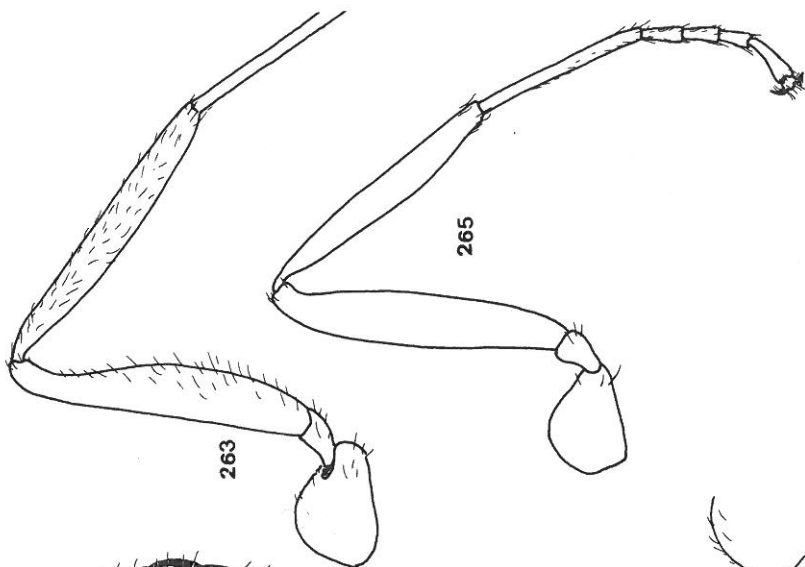
245





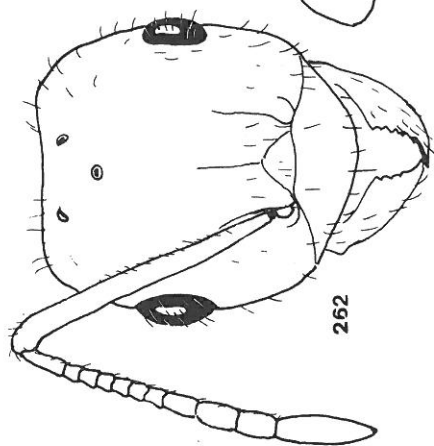


266

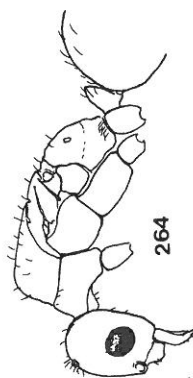


263

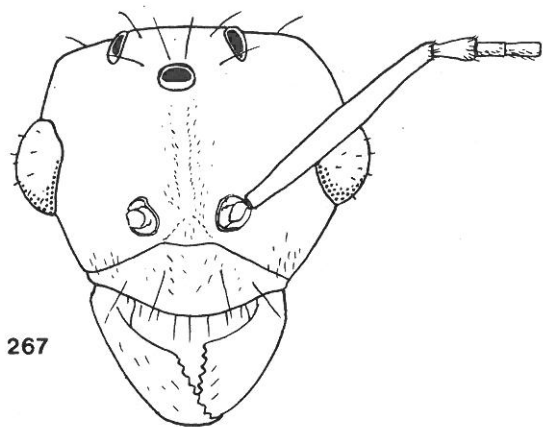
265



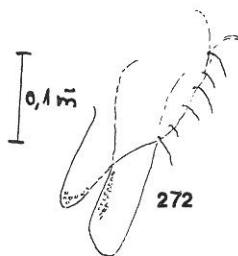
262



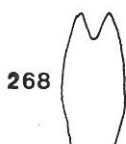
264



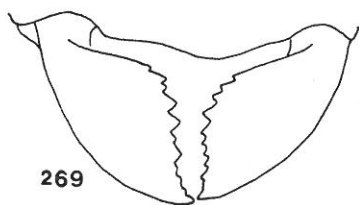
267



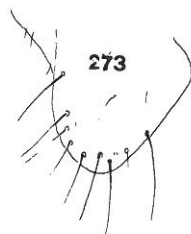
272



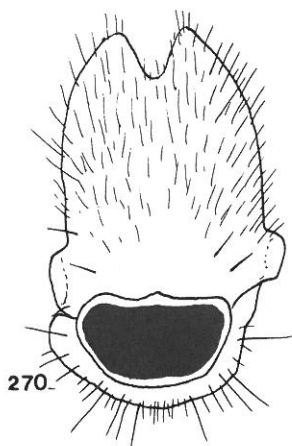
268



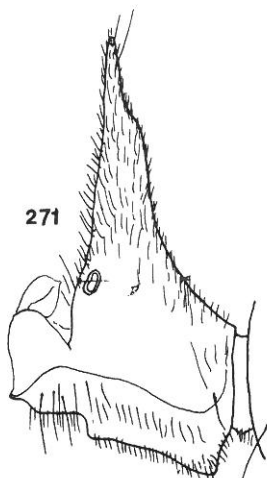
269



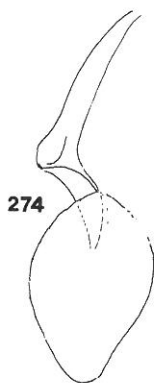
273



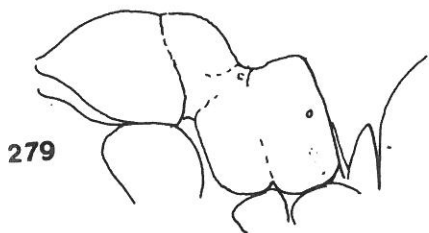
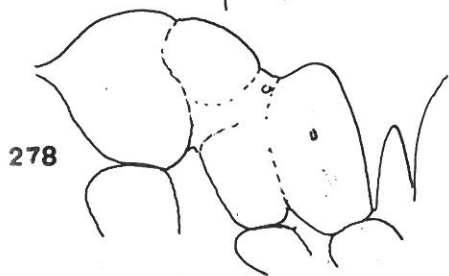
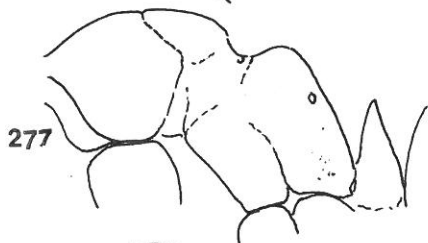
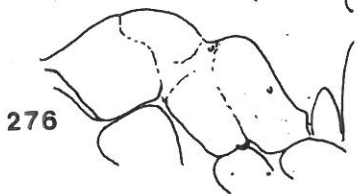
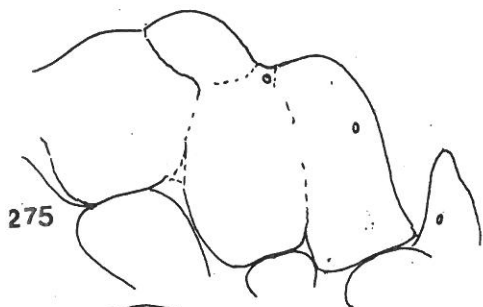
270



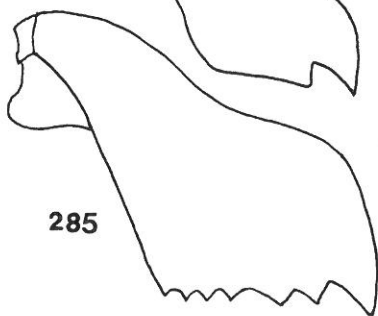
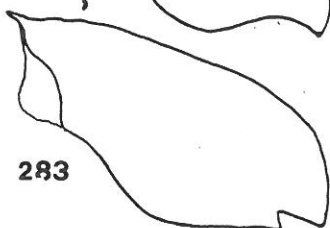
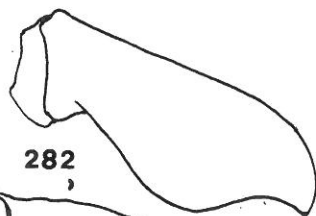
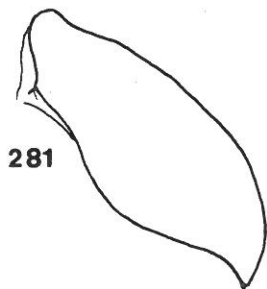
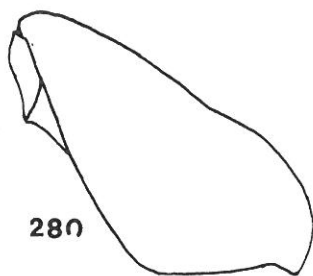
271

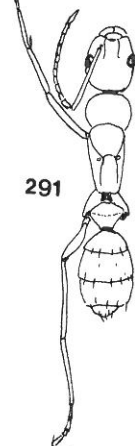
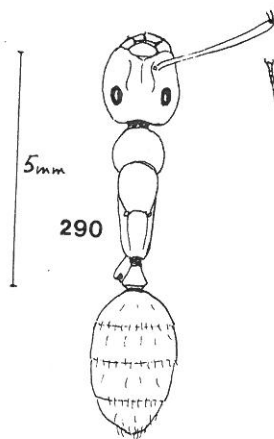
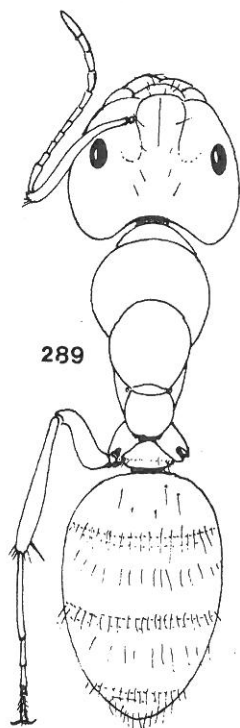
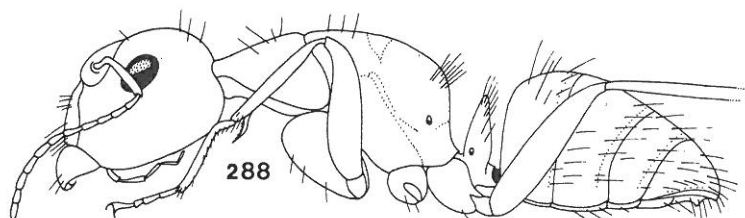
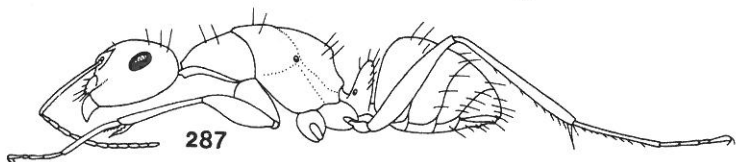
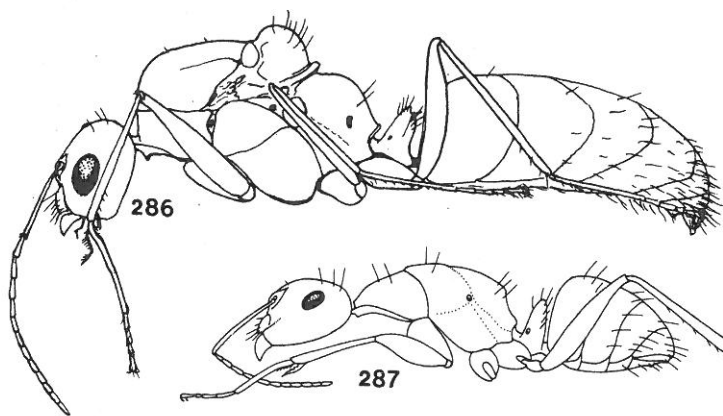


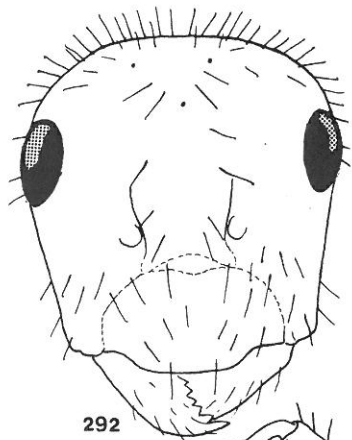
274



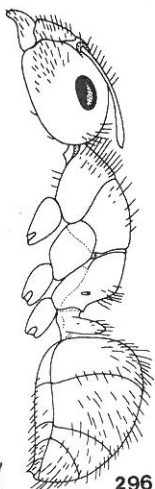
1m



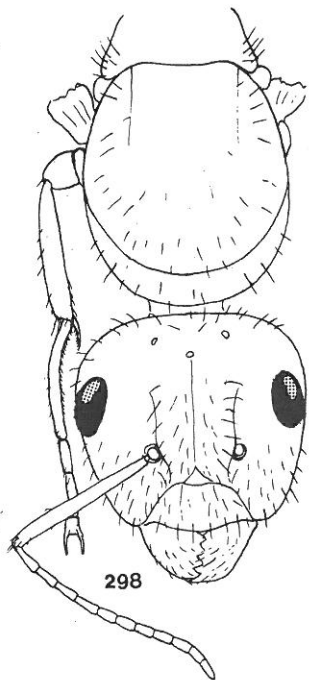




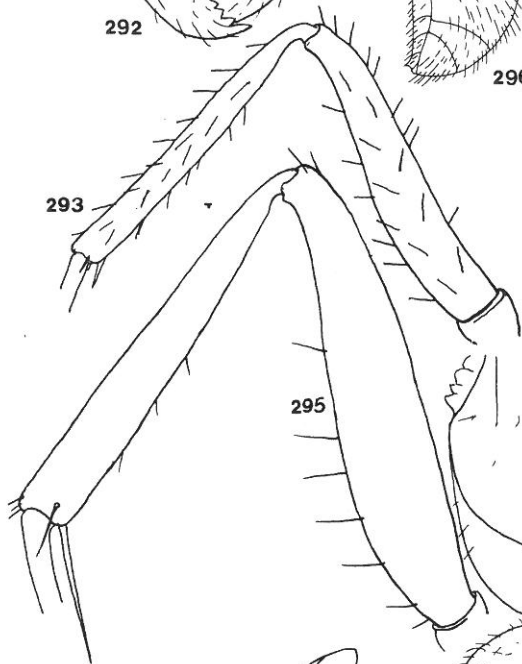
292



296

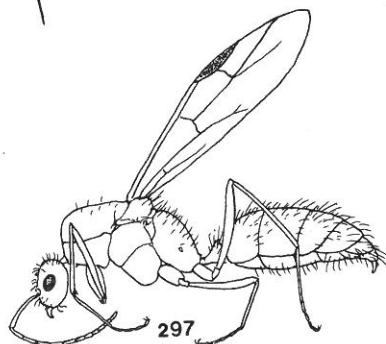
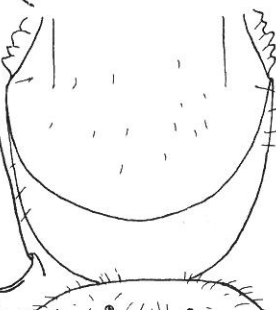


298



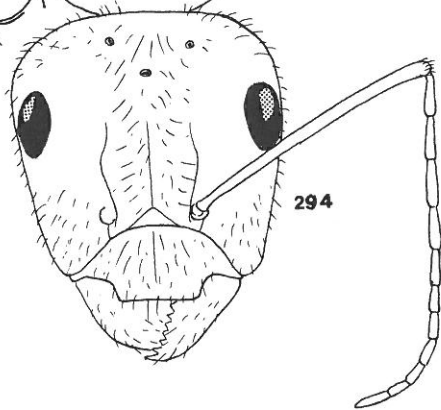
293

295

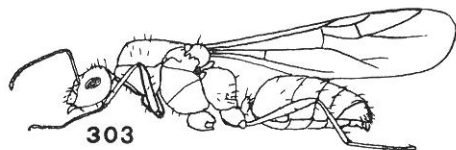
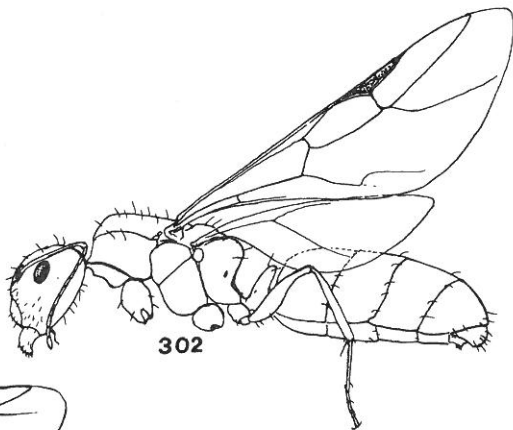
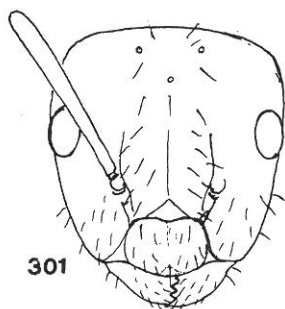
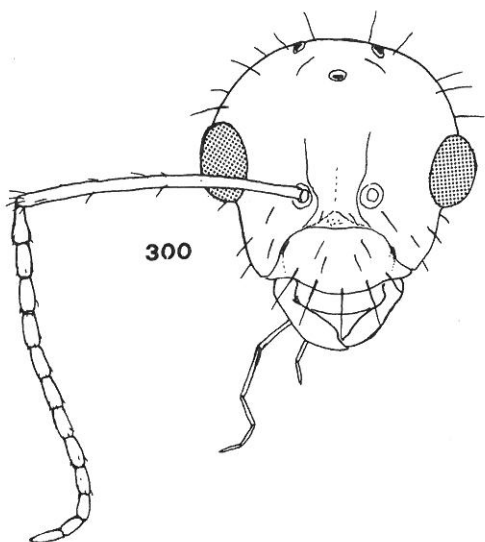
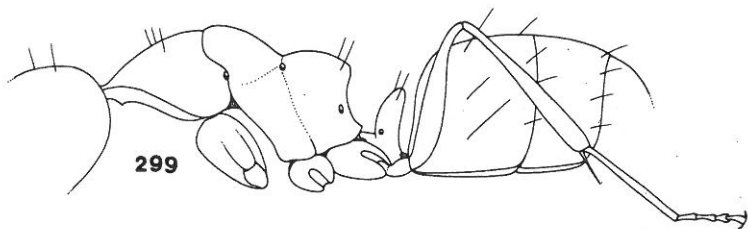


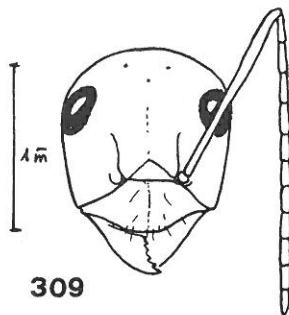
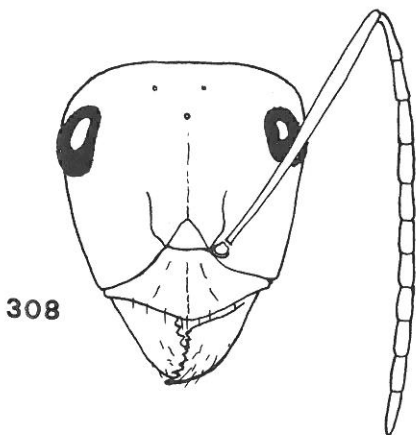
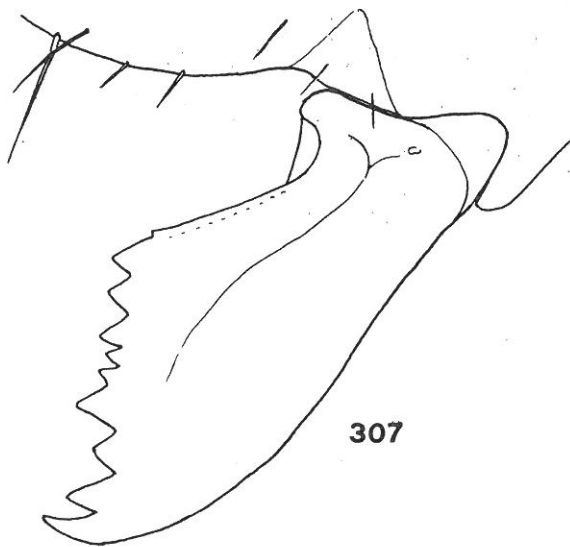
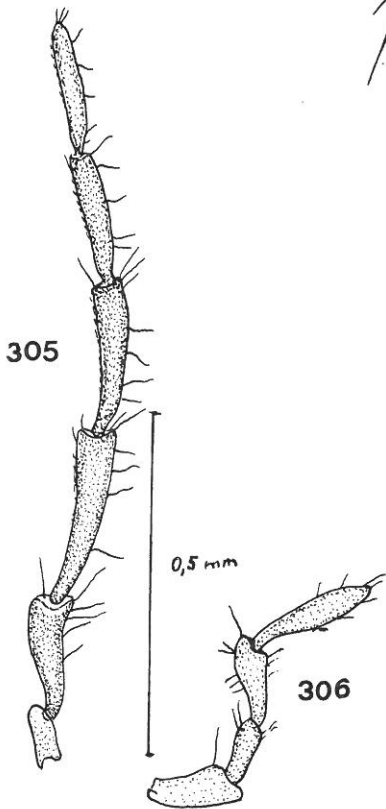
297

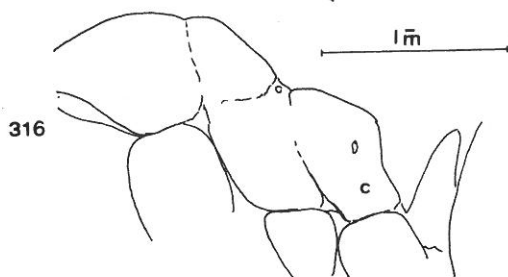
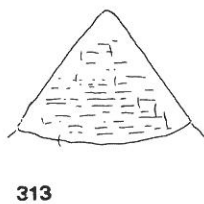
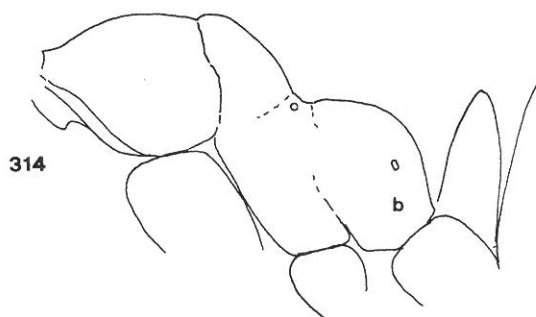
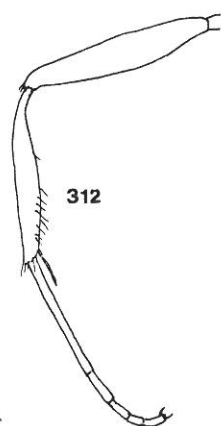
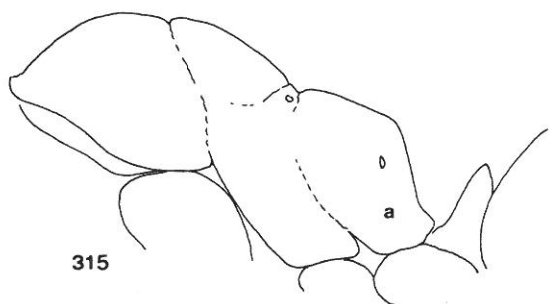
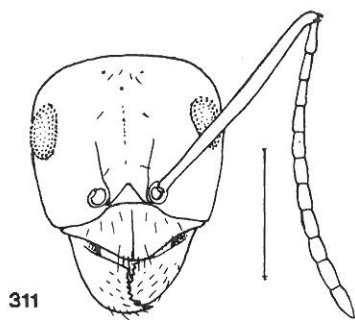
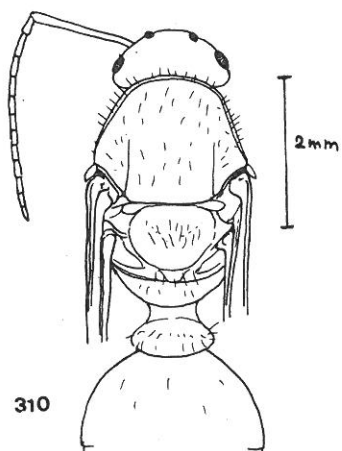
5 mm



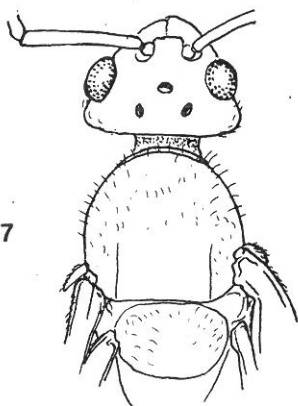
294







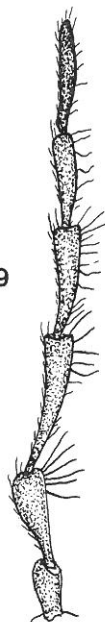
317



2 mm



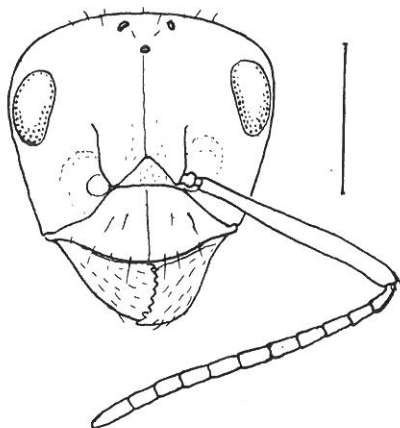
319



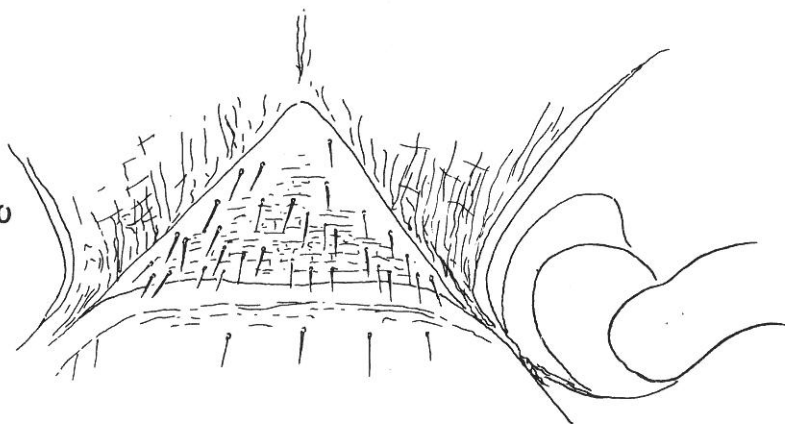
0,5 mm

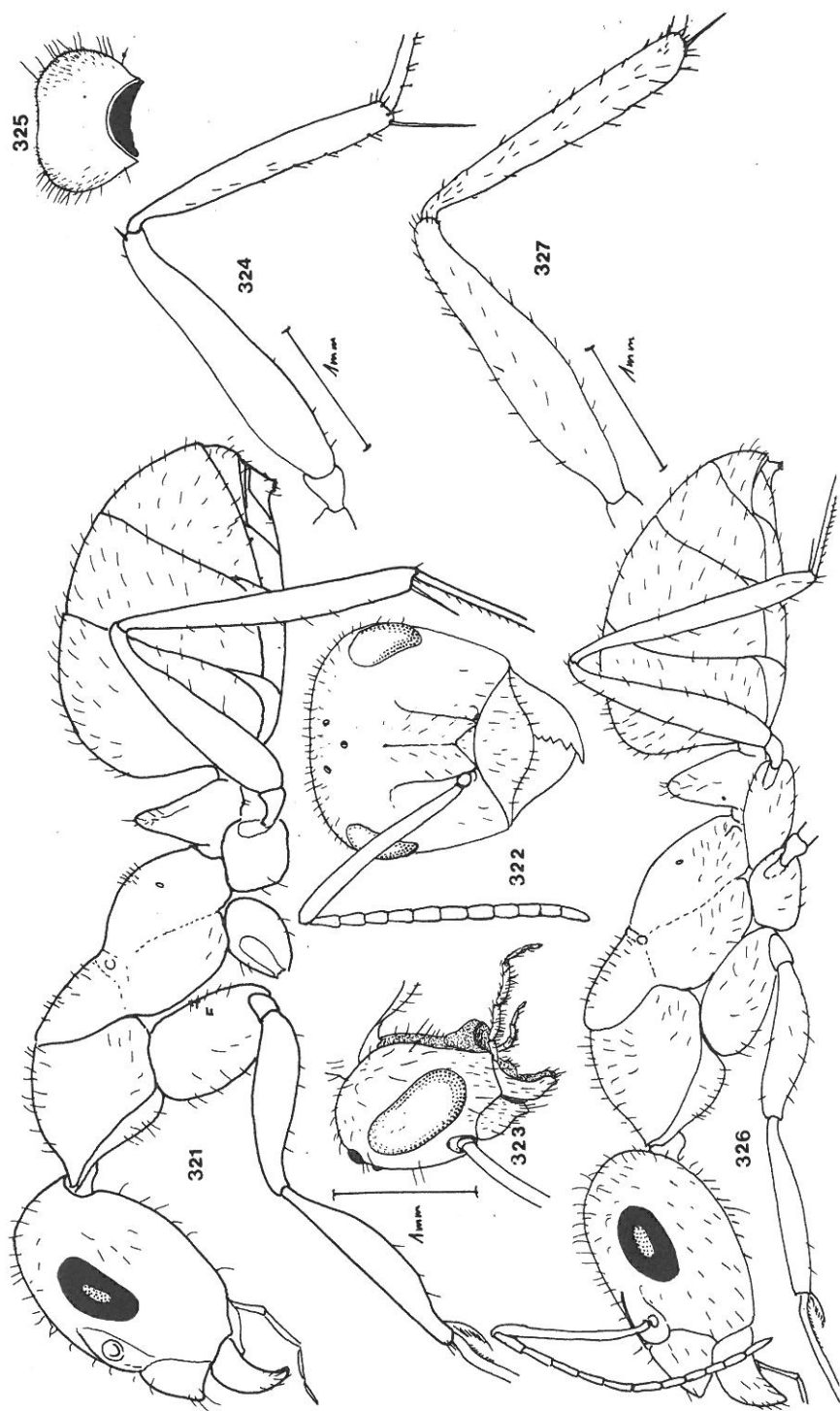


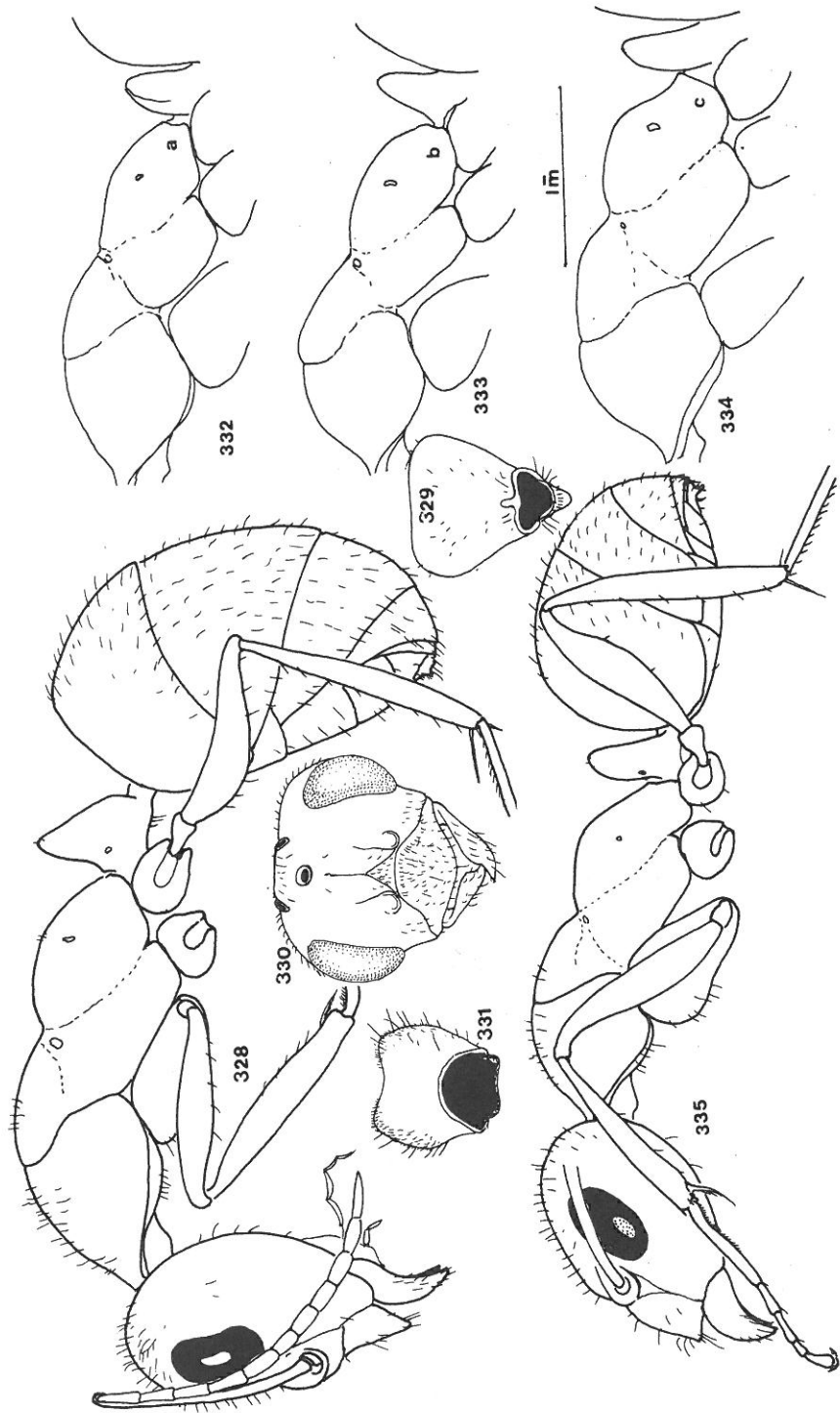
318

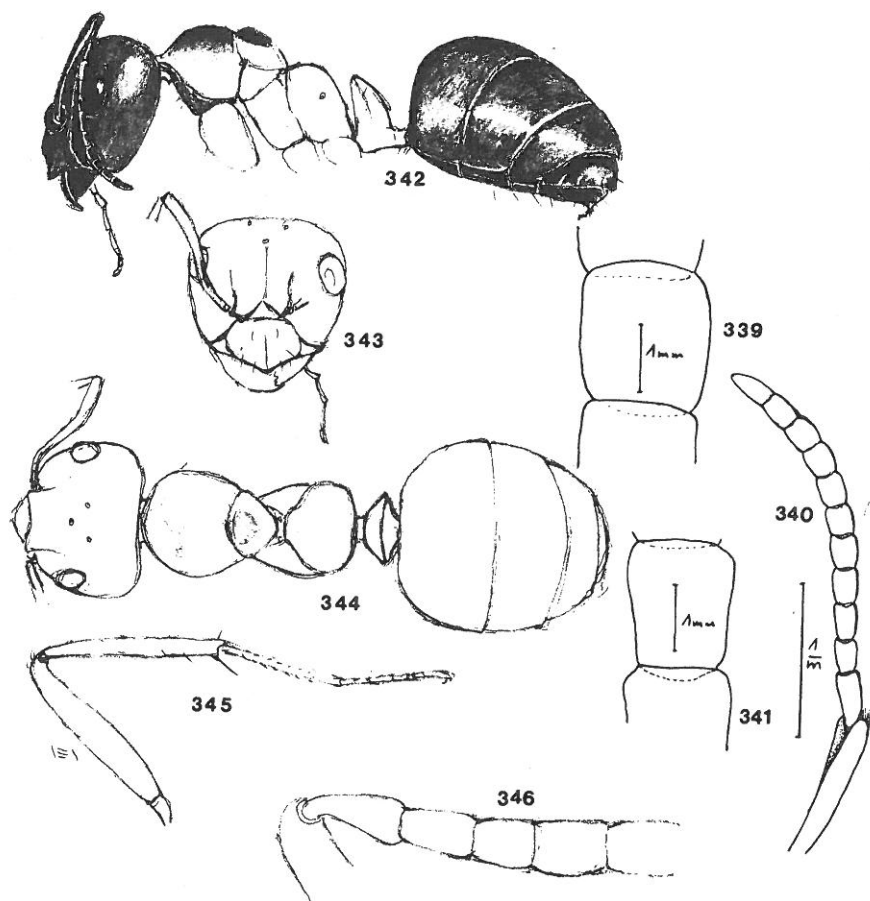
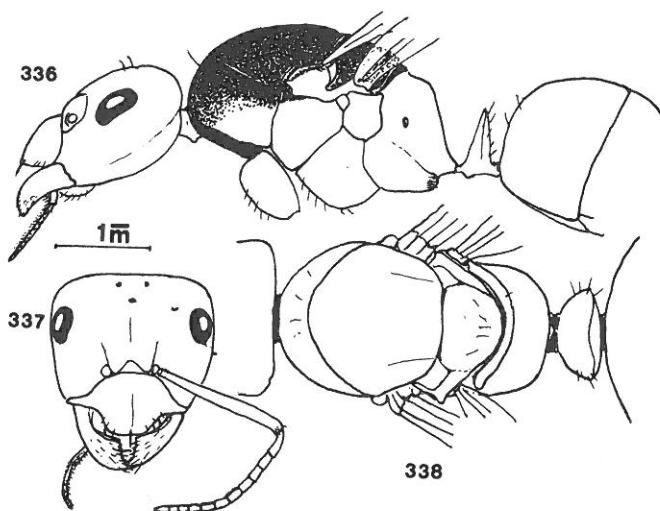


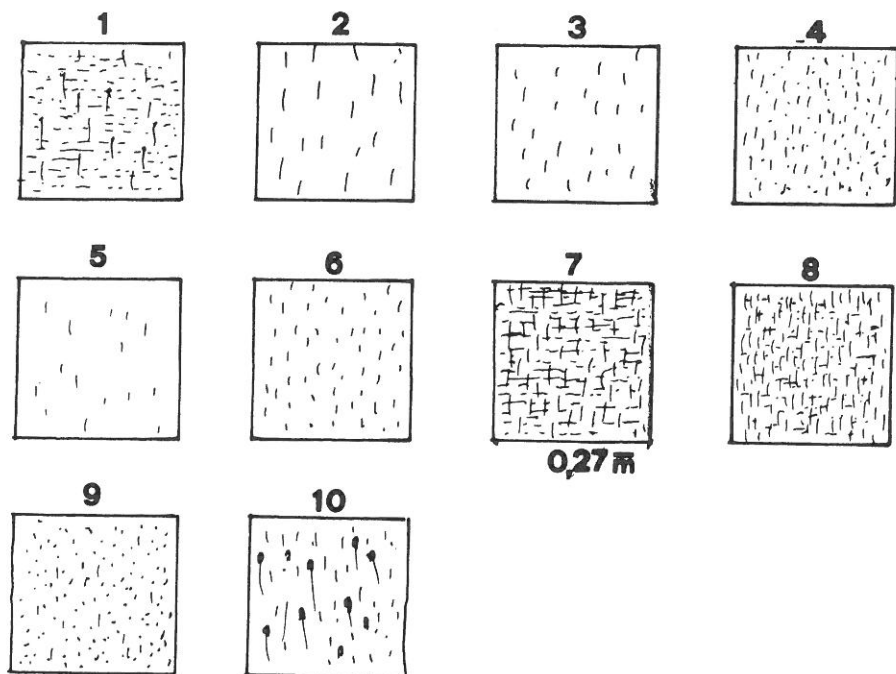
320





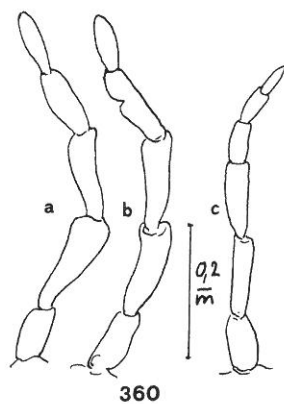
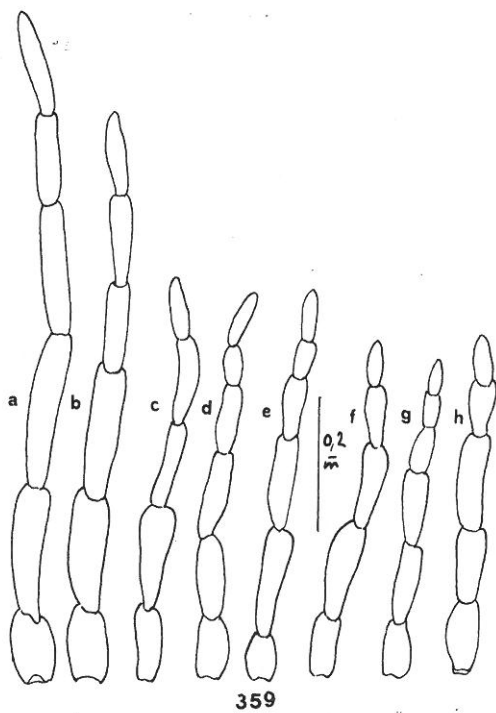
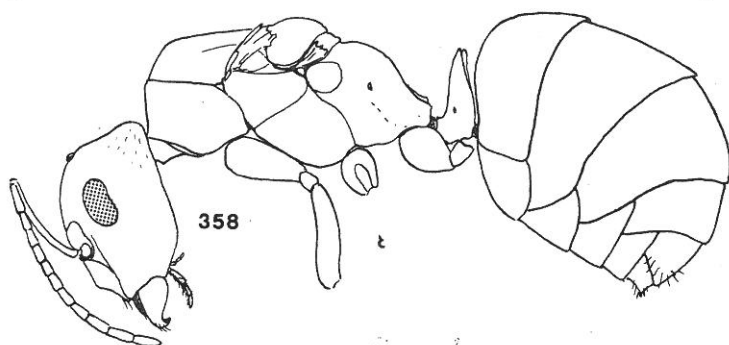
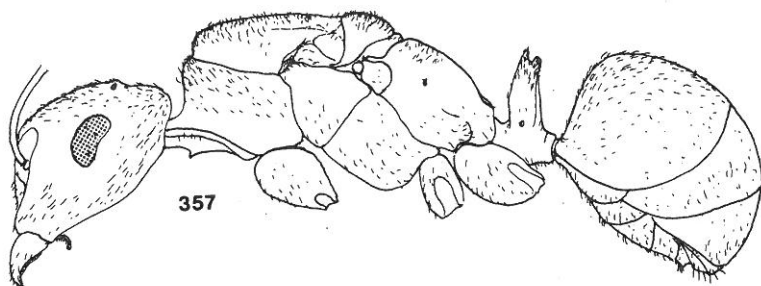


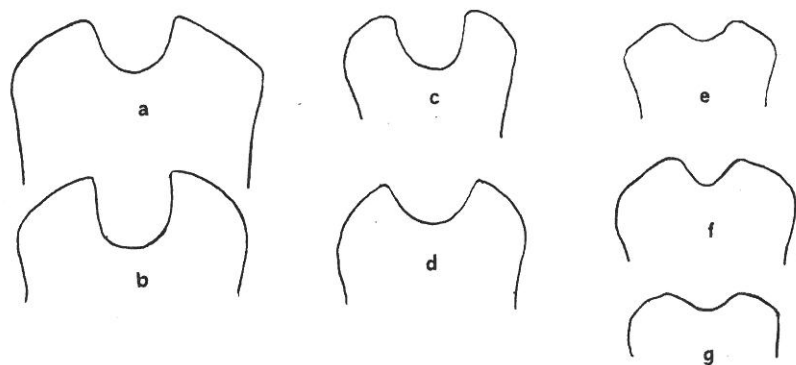
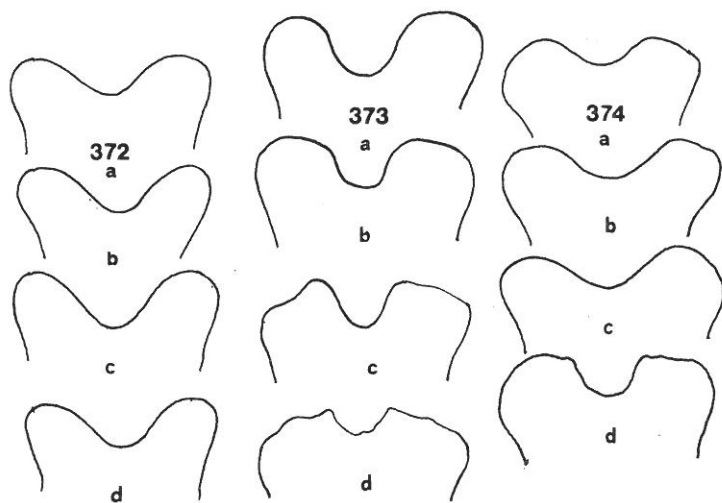
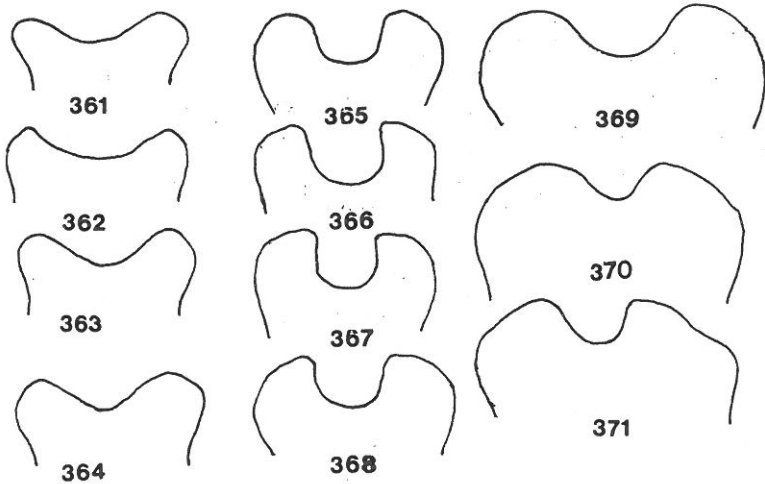


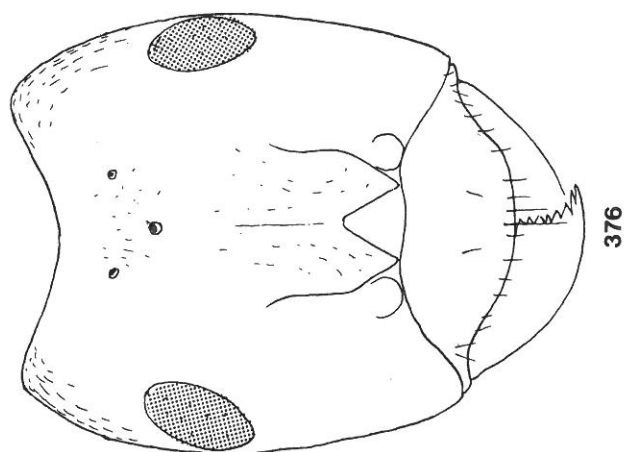
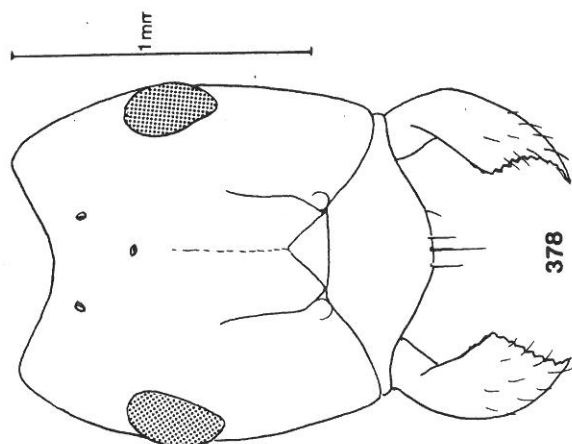


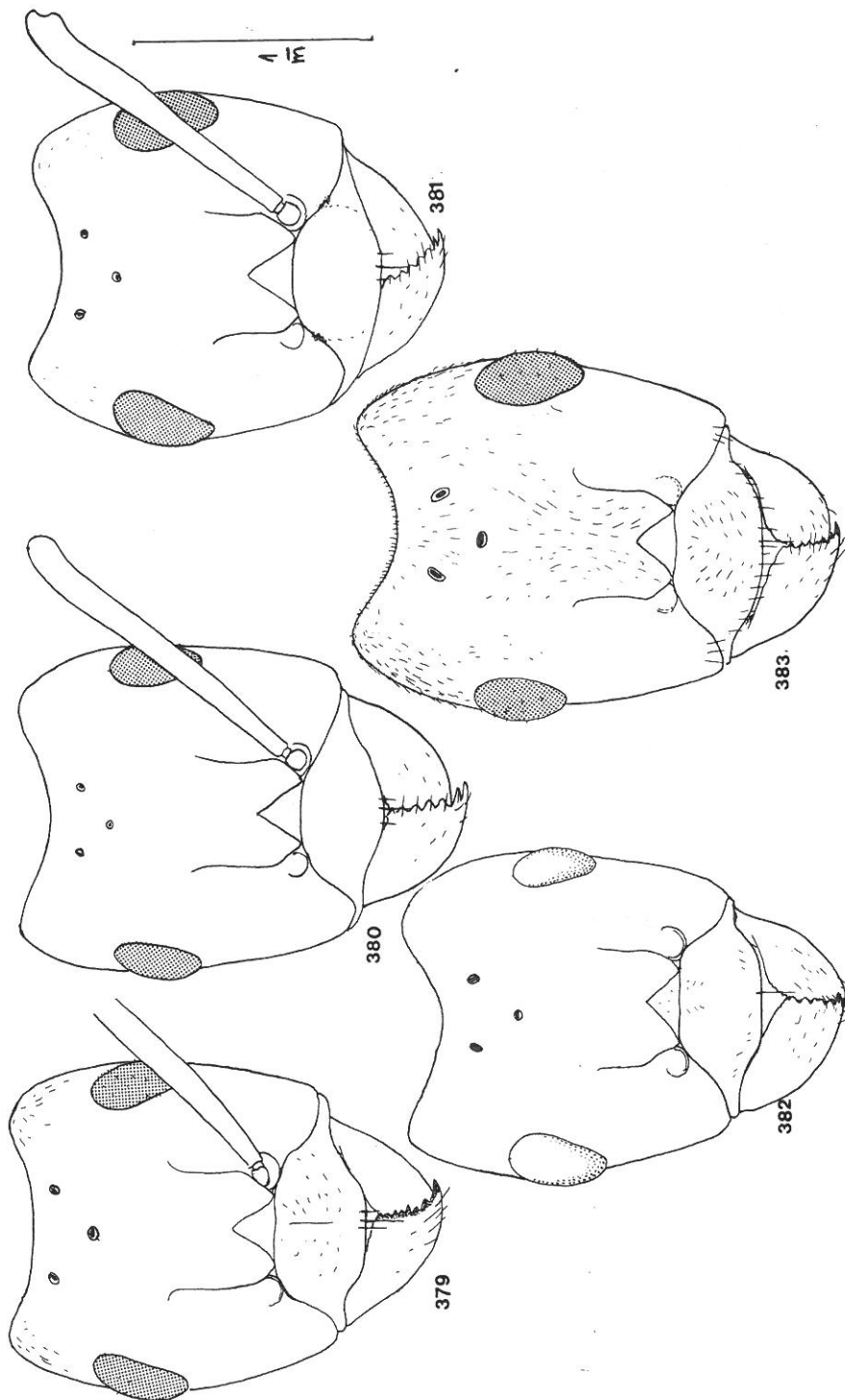
Behaarung und Skulptur auf 2. Tergit von Formica-Weibchen

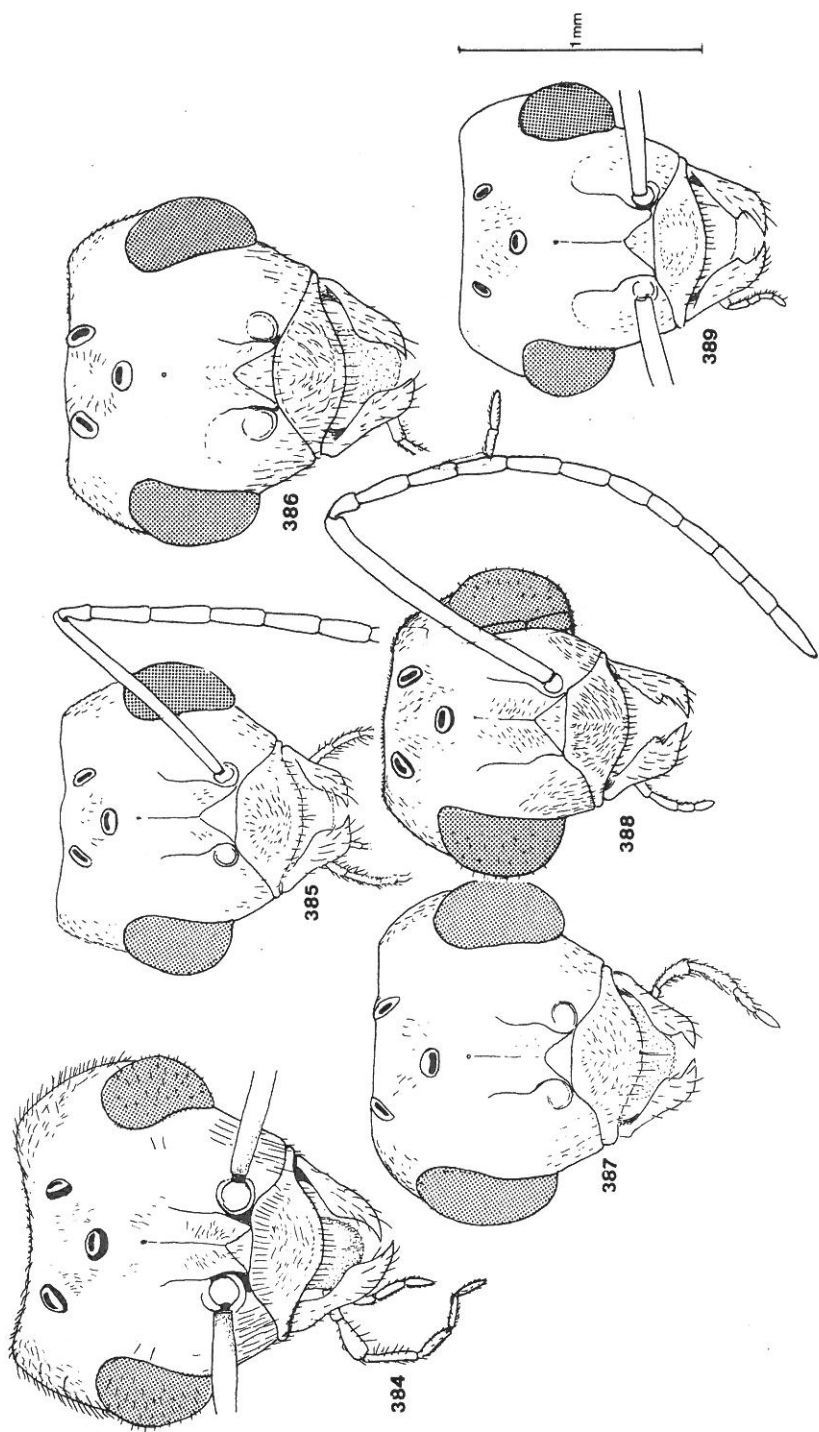
- | | |
|----------------------------------|---|
| 1 <i>F. uralensis</i> RUSKY | halbmatt mit feiner Querchagrinierung |
| <i>F. rufa</i> L. | glänzend und mit ganz feiner Chagrinierung |
| 3 <i>F. polyctena</i> FOERST. | glänzend und glatt. Pubeszenzhaare kurz |
| 4 <i>F. aquilonia</i> YARROW | Pubeszenzhaare kurz und dicht beieinander. Fein punktiert |
| 5 <i>F. lugubris</i> ZETT. | I glatt und glänzend ± kurze Pubeszenzhärchen |
| 6 <i>F. lugubris</i> ZETT. | II Pubeszenzhärchen dichter. Gaster glatt und glänzend |
| 7 <i>F. pratensis</i> RETZ. | matt. Lange Pubeszenzhaare. Chagriniert |
| 8 <i>F. nigricans</i> EM. | matt. Lange und dicht stehende Pubeszenzhaare |
| (= <i>cordieri</i> BONDR.) | deutliche Querchagrinierung |
| 9 <i>F. pratensoides</i> GOESSW. | matt. Dicht punktiert, wenig pubeszent |
| 10 <i>F. truncorum</i> F. | Zweierlei Haare: sehr lange, feine und abstehende Haare und kurze, anliegende Pubeszenzhärchen. Halbmatt. Querchagrinierung sehr fein, eingeritzte grosse Punkte. |

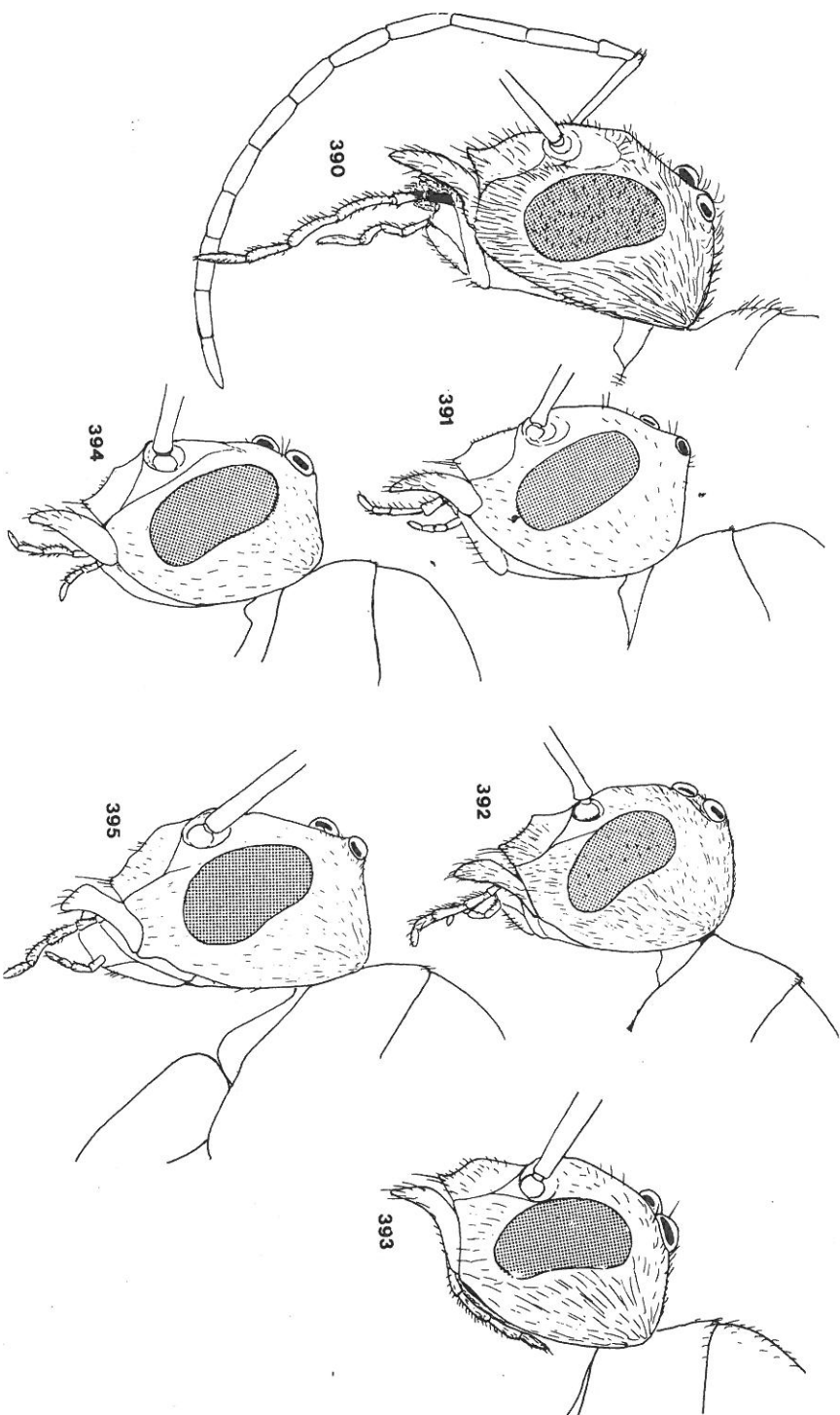


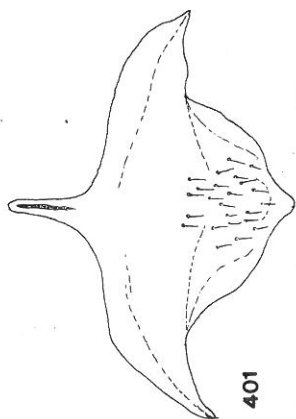




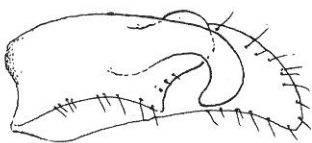




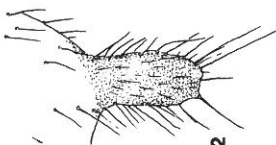




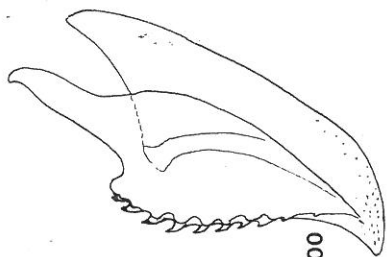
401



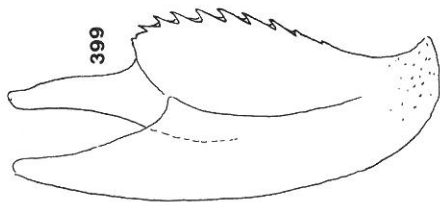
403



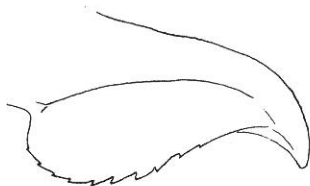
402



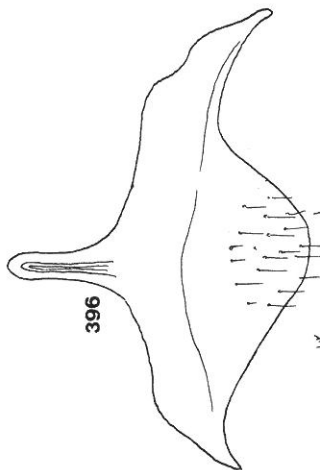
400



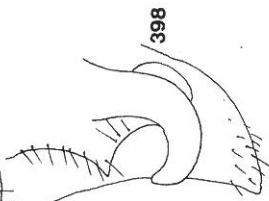
399



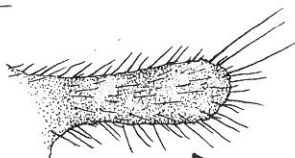
404



396



398



397