

ALLAN WATSON

*An Illustrated
Catalog of the
Neotropical Arctiinae
Types in the
United States
National Museum
(Lepidoptera: Arctiidae)
PART II*

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ABSTRACT

Watson, Allan. An Illustrated Catalog of the Neotropic Arctiinae Types in the United States National Museum (Lepidoptera: Arctiinae), Part II. *Smithsonian Contributions to Zoology*, number 128, 160 pages, 106 plates, 1973.—Part I of this catalog was published as *Smithsonian Contributions to Zoology*, 50: 361 pages, 1971. The present publication forms the final part of this catalog. A further 174 types are described, discussed, and figured.

Corrigenda to Part I

(*Smithsonian Contributions to Zoology*, number 50, issued 2 June 1971)

- Page 25: Under *Amaxia corata* Schaus, read 91a, b.
Page 45: Under *Neritos improvisa* Dognin, read 36b.
Page 70: Under *Eupseudosoma parapessa* Dognin, read 91c, d.
Page 87: Under *Neritos steniptera* Hampson, read 36a.
Page 140: For figure a, read *Neritos steniptera* Hampson ♂; for figure b, read *Neritos improvisa* Dognin ♀.
Page 143: In figure at top right, read b.
Page 195: For figures a and b, read *Amaxia corata* Schaus; for figures c and d, read *Eupseudosoma parapessa* Dognin.

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PART II

Introduction

Another 174 types of Dognin, Druce, Dyar, Henry Edwards, Schaus, and Strand species are reviewed in this second and final volume on the Neotropical Arctiinae types in the National Museum of Natural History (USNM collections).^{*} Many of these types had not been illustrated previously, and the genitalia of only three types had been dissected. A total of 619 has now been examined—slightly fewer than estimated in Part I (Watson, 1971).

As in Part I, I have designated lectotypes for those species whose original descriptions were based on a syntypic series. Lectotypes have also been designated for those species not described specifically from a single specimen but where the original description gives no indication as to the size of the syntypic series, if one existed (e.g., see *Hypomolis amabilis* Schaus). The designated lectotypes are in-

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^{*} EDITOR'S NOTE: The name "United States National Museum" has been replaced by "National Museum of Natural History." The collections, however, remain under the initials of the former name (USNM).

variably those which have borne the red USNM type-number label for many years. Acceptable lectotype designations have been made already for two species, *Hemihyalea euornithia* and *Hemihyalea nimbipicta*, described by Dyar (1914a). Their author makes a definite statement about the "Type" specimen of each species and gives details of the pin-label data (Dyar, 1916).

The revision of *Automolis* (sensu auctorum), referred to in Part I, has not yet reached a stage at which the list of species mentioned there can be presented.

There has been some confusion in the literature concerning the spelling and date of publication of *Phaegoptera* Herrich-Schäffer [1853]: see, for example, Travassos (1948, pp. 493–497). The dates of publication of both the text and the plates of Herrich-Schäffer's *Sammlung neuer oder wenig bekannter aussereuropäischer Schmetterlinge* have, in fact, been listed in the *Catalogue of the Library of the British Museum (Natural History)* (Vol. 6, Supplement A–I, 1922, p. 458), while the publication dates of the plates have been discussed by Dalla Torre (1927, pp. 1–2).

The wrappers, which enclosed the plates on publication, contained a list of the figured genera and

species, together with locality and collector data. These were released, in most instances, before any other associated text. For example, the original description of *Phaegoptera* [1853] preceded by three years the publication by Herrich-Schäffer of additional text ([1856], p. 16, and [1858], p. 78). The original spelling, *Phaegoptera* (as it appeared on the wrappers), was used again later in the same work ([1858], p. 78) and cannot therefore be considered a lapsus calami or a copyist's or printer's error (see Article 32 (a) (ii) of the Code). The spelling "*Phegoptera*," used by Herrich-Schäffer, on p. 16 [1856] and wrongly attributed by him to Boisduval, must be regarded as an incorrect subsequent spelling.

To summarize the above, the correct citation should read: *Phaegoptera* Herrich-Schäffer [1853], *Sammlung neuer oder wenig bekannter Schmetterlinge* 1, legend to plates 14, 15, figures 58–68 (wrappers). The type-species of *Phaegoptera* is *Phaegoptera histrionica* Herrich-Schäffer [1853], *ibidem*, 1, legend to plate 15, figure 68 (wrapper), by subsequent designation by Kirby (1892, p. 212).

Phoegoptera Boisduval (1869, p. 81), erected for three new species, should be mentioned here. There is insufficient evidence to state with certainty whether it was Boisduval's intention to propose *Phoegoptera* as a new generic name, but this interpretation seems more reasonable than the assumption that *Phoegoptera* was an intended, though misspelled, reference to *Phaegoptera* Herrich-Schäffer: Boisduval makes no reference to Herrich-Schäffer or to any of those species originally included in *Phaegoptera*. I have been able to find only one reference to a type-species for *Phoegoptera*—by Hampson (1920, p. 268): "*Phoegoptera* [sic], Boisd. Léop. Guat. p. 99 (1870), non descr. . . . Type. *alterata*." The name *alterata* is presumably a misspelling of *alternata* Grote, a species not originally included in the genus, but added to *Phoegoptera* by Boisduval in his paper on the Lepidoptera of Guatemala a year after the description of the genus. In the absence of a valid type designation, it is necessary to choose one of the three originally included species: *P. cinnamomea* Boisduval, currently considered a junior subjective synonym of *Aemilia roseata* (Walker); *P. quercus* Boisduval, a junior subjective synonym of *Hemihyalea edwardsi* (Packard); and *P. salicis* Boisduval, a junior subjective synonym of *Halisidota*

maculata (Harris). The choice of either *P. cinnamomea* or *P. quercus* would result in the relegation to synonymy of either *Aemilia* Kirby, 1892, or *Hemihyalea* Hampson, 1901, and the establishment of *Phoegoptera* Boisduval as the valid name for those species at present placed in *Aemilia* or in *Hemihyalea*. This is as undesirable as the resultant existence of two valid generic names in the Arctiinae differing by only one letter. By designating the remaining species, *P. salicis* Boisduval, as the type-species, the name *Phoegoptera* can be placed in the synonymy of *Halisidota* Hübner [1819]. Furthermore, *Phoegoptera* would still remain in synonymy if it were found necessary to remove *Lophocampa* Harris, 1841, from the synonymy of *Halisidota*, together with its type-species, *H. maculata* (= *salicis*), a close ally of *L. caryae* Harris, which is the type-species of *Lophocampa*.

In summary: The correct citation is *Phoegoptera* Boisduval, 1869, *Annales de la Société Entomologique de Belgique*, 12, p. 80. The type-species, by present designation, is *Phoegoptera salicis* Boisduval, 1869, *ibidem*, 12, p. 81. *Phoegoptera* now becomes a junior synonym of *Halisidota* Hübner (new synonymy).

A further nomenclatural change results from McDunnough's (1938, p. 52) transference of *Seirarcia clio* Packard (1864, p. 120), the type-species of *Euverna* Neumögen and Dyar (1893, p. 141), to *Ectypia* Clemens (1860, p. 529), which automatically relegated *Euverna* to the synonymy of *Ectypia*. The species name *mexicana* Dognin, previously combined with *Euverna*, is therefore newly combined with *Ectypia* in this paper (new combination).

ARRANGEMENT AND CONTENT OF CATALOG ENTRIES.—The procedure followed in Part I of this catalog (see Watson, 1971, pp. 2–3) has been adhered to in this volume. Catalog entries are alphabetic with reference to those nominal species-group taxa whose types are dealt with. The currently valid binomen heads most catalog entries, but it is placed in square brackets beneath those names that at present are considered to be junior synonyms (e.g., *Antarctia bergi* Schaus [junior synonym of *A. costata* Burmeister]). Color-terms are those used by Kornerup and Wanscher (1967). A quotation from the original description has been given if an abdomen was too badly worn or stained to enable a

description of its color to be made or if it had been dissected prior to the present study. The selection and labeling of lectotypes follows the practice adopted in Part I: a statement "Lectotype . . . By A. Watson . . ." in the third paragraph of a catalog entry is a lectotype designation by the author in this publication.

The plates of the whole moths have been arranged, as far as possible, so that figures of externally similar types are grouped together. The figures of genitalia have been arranged in two series—a male series and a female series, each corresponding in sequence (with a few minor exceptions) to that of the moth figures. All photographs and drawings illustrated are of the type-specimens described in the text.

ACKNOWLEDGMENTS.—I am again indebted to Dr. R. S. Cowan, Director of the National Museum of Natural History, where I carried out the work preliminary to the present study during a visit to the Department of Entomology in 1966–1967. I should especially like to thank Dr. W. Donald Duckworth, who provided valuable help in administrative matters and in the final stages of the preparation of the manuscript, Mr. W. D. Field who answered my numerous letters so diligently, and Dr. D. R. Davis. My thanks are also due to Drs. E. L. Todd and R. W. Hodges of the United States Department of Agriculture. Mr. W. H. Rowe's technical assistance also greatly eased my task while in Washington.

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I have benefitted from discussions on a variety of taxonomic and nomenclatural matters with my colleagues, D. Stephen Fletcher, Ian W. B. Nye, Paul E. S. Whalley, and Klaus Sattler. My assistant, Maureen Grogan, provided impeccable support, and merits the highest praise. She is responsible for all the line drawings.

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With few exceptions, the photographs of the moths were taken by the staff photographers of the National Museum of Natural History. Most of the genitalia photographs were prepared by the Photographic Studio of the British Museum (Natural History) under the supervision of Peter Green. They were prepared chiefly by Jim Brown, who undertook this formidable task with unvarying tenacity. Peter York provided some excellent 'last-minute' photographs.

Tina Adams typed the manuscript with commendable speed and accuracy.

Alphabetic List of Genera and Their Included Species

(The species-group taxa listed are those dealt with in this publication)

Acyclania Dognin
schadei Schaus
tenebrosa Dognin

Amastus Walker
adela Schaus
aloniae Schaus
antonio Dognin
aphraates Schaus
coccinator Schaus
diaphenes Dyar
edaphus Dyar

episcotosia Dognin
esamena Schaus
ferrera Schaus
flavidus Dognin
formosana Schaus
genoveva (Dognin)
ferrera Schaus
medica (Dognin)
minerva (Dognin)
paramensis Dognin
polystrigata Dognin
reinona Schaus

rothschildi Dognin
rubridorsata Dognin
scriblita Dognin
subterminata Dognin [subspecies of
A. pseuderebella Rothschild, 1910]
supersimilis Dognin
thermidora Dognin
tumbilla (Dognin)
vandregisili Schaus
vesta Dognin
volcancita Dognin

- Antarctia** Hübner
amarga Schaus
amaryllis (Schaus) [ab. of *A. brunnea* Hübner, [1831]]
bergi Schaus [junior synonym of *A. costata* Burmeister]
dukinfieldia (Schaus)
emerita Schaus
fervida Schaus
honora (Schaus)
marcona Schaus
obscurior Schaus
pallidivena Schaus
paula (Schaus)
sericea (Schaus)
valstana Schaus
variegata (Schaus)
venata Schaus
vulpecula Dognin
- Arachnis** Geyer
perotensis Schaus [subspecies of *A. picta* Packard, 1864]
- Calidota** Dyar
albatocosta Dyar
albiceps Dognin
angelus Dyar
calosoma Dyar
clarcana Dyar
divina (Schaus)
euchaetiformis (H. Edwards)
gemma (Schaus)
gigas (Dognin)
hadesia Schaus
leucocorypha Dognin
momis Dyar
morosa (Schaus)
quadripunctata Schaus
rema (Dognin)
rudis Schaus
- Chlorhoda** Hampson
metamelaena Dognin
- Ecpantheria** Hübner
andromela Dyar
campinasa Schaus
cretacea Dognin
eminens (H. Edwards) [ab. of *atra* Oberthür, 1881]
euripides Dyar
-flavopunctata Schaus
gaujoni Dognin
hambletoni Schaus
jaguarina Schaus
obtecta Dognin
pellucida Schaus [junior synonym of *E. heterogena* Oberthür]
- perplexa* Schaus
robusta Dognin
suffusa (Schaus)
theophila Dognin
- Ectypia** Clemens
mexicana (Dognin)
- Elysium** Walker
aeschista Dognin
arpi Dognin
barnesi Schaus
carbonarius (Dognin)
francki (Schaus)
gladysia Schaus
insulsa Dognin
macasia Schaus
phantasma Schaus
proba (Schaus)
ruffin Schaus
sarcochroa Dognin
systron Schaus
thraikilli (Schaus)
- Eucereon** Hübner
rabusculum Dognin
- Euchaetias** Lyman
cressida Dyar
densa Dyar [subspecies of *E. albicosta* Walker, 1855]
epagoga Dyar
expressa (H. Edwards)
fumidus H. Edwards [junior synonym of *E. albicosta* Walker]
jalapa Strand [subspecies of *expressa* (H. Edwards)]
mitis Schaus
parazona Dyar [junior synonym of *E. antica* Walker]
psara Dyar
rhadia Dyar
rizoma (Schaus)
sinaloensis Dyar [subspecies of *E. antica* Walker, 1856]
- Halisidota** Hübner
agatha Schaus
andensis (Schaus)
dukinfieldia (Schaus)
margona Schaus
notata (Schaus)
pectina Schaus [junior synonym of *H. alsus* Cramer]
- Hemihyalea** Hampson
annario Dyar
camposi Schaus
ergana (Dognin)
erganoides Dognin
- euornithia* Dyar
hyalina (Dognin)
melas (Dognin)
nimbipicta Dyar
parergana Dognin
tenuimargo Dognin
- Hylarctia** Hampson
sericea Schaus
tepica Dyar
- Hypidota** Schaus
neurias Schaus
- Hypomolis** Hampson
amabilis (Schaus)
metarhoda Dognin
rothschildi Dognin
rubricosta (Dognin)
- Ischnocampa** Felder
achrosis Dognin
albiceps Dognin
celer (Schaus)
ferrea Dognin
huigra Schaus
ignava Dognin
lugubris (Schaus)
mamona (Dognin)
nubilosa (Dognin)
remissa (Dognin)
tovia Dognin [junior synonym of *I. discopuncta* (Hampson)]
tristis (Schaus)
- Lepidolutzia** Rego-Barros
costistrigata Schaus [junior synonym of *L. baucis* (Dalman)]
- Mallocephala** Blanchard
bogotensis Dognin
- Mannina** Dyar
hagloneuca Dyar
- Mazaeras** Walker
janeira (Schaus)
- Metacrisia** Hampson
courregesi Dognin
pua (Dyar)
schausi Dognin
- Opharus** Walker
flavicosta Dognin
linus Druce
roseistriga Schaus
- Palaeomolis** Hampson
metacauta Dognin

Phaegoptera Herrich-Schäffer	Pygarctia Grote	<i>noctella</i> Dyar [junior synonym of <i>S. dolens</i> (Druce)]
<i>nexoides</i> Schaus [junior synonym of <i>P. schafferi</i> Schaus]	<i>haematodes</i> Dyar [subspecies of <i>P. elegans</i> (Stretch), 1874]	Tessella Breyer
Prumala Schaus	<i>pterygostigma</i> Dyar	<i>jorgenseni</i> (Schaus)
<i>erratum</i> (Schaus)	Romualdia Rego-Barros	Thalesa Schaus
Pseudischnocampa Rothschild	<i>opharina</i> (Schaus)	<i>debilis</i> Schaus
<i>nigradorsata</i> (Schaus)	Spodarctia Dyar	Turruptiana Walker
<i>nigrivena</i> (Schaus)	<i>superpulverea</i> Dyar	<i>dissimilis</i> (Schaus)
Pseudohemihyalea Rego-Barros	Stenucha Hampson	<i>hebona</i> Dognin [junior synonym of <i>T. neurophylla</i> Walker]
<i>hidalgonis</i> Dyar [junior synonym of <i>P. rhoda</i> Druce]	<i>melas</i> Dyar [junior synonym of <i>S. dolens</i> (Druce)]	<i>obscura</i> Schaus
Pseudopharus Hampson	<i>minca</i> Schaus [junior synonym of <i>S. dolens</i> (Druce)]	<i>panoerzys</i> Dyar
<i>hades</i> Dognin		<i>tenebra</i> (Schaus)

CATALOG

***Ischnocampa achrosis* Dognin**

PLATES 10e; 53a,b

Ischnocampa achrosis Dognin, 1912c, p. 4.

Forewing 21.0 mm. Head, thorax, and wings yellowish white. Forewing markings light greyish orange. Hindwing and abdomen white.

Described from one male from near Loja, Ecuador.

Holotype ♂: "Dognin Collection; Type No. 30389 U.S.N.M.; environs de Loja, Equateur, 1891; *Ischnocampa achrosis* Dogn. type ♂; Holotype ♂ *Ischnocampa achrosis* Dognin AW 1967; Arctiidae genitalia slide No. AW601."

***Elysius aeschista* Dognin**

PLATES 19e; 102c

Elysius aeschista Dognin, 1911b, p. 10.

Forewing 32.0 mm. Head, thorax, and wings light brown. Abdominal segments 1-3 light brown dorsally; 4-7 greyish brown, all except 7 bordered posteriorly with pale yellow; ventral surface yellowish grey.

Described from two females from Colombia. The paralectotype in the National Museum of Natural History (USNM collection) is from the Cañon de Tolima.

Lectotype ♀: "Dognin Collection; Type No. 30477, U.S.N.M.; Colombie, Fassi; *Elysius aeschista*

Dogn. type ♀. Hmpn 6/1911; VI '09, Alto de los cruces 2100 m. 240; Lectotype ♀ *Elysius aeschista* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW561."

***Amastus adela* Schaus**

PLATES 15a; 57a,b

Amastus adela Schaus, 1901, p. 267.

Forewing 25.0 mm. Head orange-red except for large, dark brown medial patch on vertex. Tegulae orange-red, each with dark brown longitudinal band in middle. Patagia with dark brown anterolateral patch; large, anteriorly tapered, lateral area; central orange-red band; and dark brown, longitudinal, medial fringe. Rest of thorax orange-red, with dark brown medial band not reaching posterior margin. Fore- and hindwing dark brown and white. Dorsal surface of segment 1 very dark brown with orange at anterior margin and in large lateral patch; segments 2-4 very dark brown with lateral orange marking; 5-7 very dark brown with orange fringe posteriorly and laterally; segment 8 orange except for very dark brown anteromedial patch. Ventral surface of segments 2-7 very dark brown with orange lateral patch on each side; segment 8 very dark brown anteriorly, orange posteriorly.

Described from an unspecified number of specimens from Castro, Paraná [Brazil]. Other than the lectotype, there are three males from the type-

locality in the USNM collection, none labeled as a type.

Lectotype ♂: "Collection Wm. Schaus; Type No. 11073 USNM; Castro, Parana; *Pygoctenucha adela* Schs. type; Lectotype ♂ *Amastus adela* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW580."

***Halisidota agatha* Schaus**

PLATES 21d; 68a,b

Halisidota agatha Schaus, 1924, p. 35.

Forewing 26.0 mm. Head and thorax very dark greyish brown. Forewing dark greyish brown, edged with orange-yellow. Hindwing light yellow, suffused with greyish brown at apex and anally. Abdomen coloration doubtful, having been stained by mould; described by Schaus as "above fuscous black, the hairs laterally on basal segments sayal brown; underneath suffused with sayal brown."

A single male type (USNM 26065) from Incachaca, Cochabamba, Bolivia, is designated in the original description.

Holotype ♂: "Incachaca, Cochabamba; Type No. 26065 U.S.N.M.; *Halisidota agatha* Schs type; Holotype ♂ *Halisidota agatha* Schaus A.W. 1967; Arctiidae genitalia slide No. AW627."

***Calidota albaticosta* Dyar**

PLATES 21b; 67a,b

Calidota albaticosta Dyar, 1912, p. 55.

Forewing 19.0 mm. Head greyish brown with orange-red posterior margin. Thorax greyish brown with yellowish white anterior margin. Forewing greyish brown with yellowish white costal area. Hindwing white, suffused with trace of greyish yellow anteriorly and anally. Dorsal surface of segment 1 of abdomen deep orange, segments 2-8 mostly deep orange but with pale yellow lateral band and dark greyish brown segmental spot on each side; ventral surface pale yellow with greyish brown lateral markings on segments 2-7 and greyish brown medial area on segment 8.

Described from a single male (USNM 13849) from Tehuacán, Mexico.

Holotype ♂: "Sept. 10; Tehnacan [sic] Mexico; 7223; Type No. 13849 U.S.N.M.; R. Muller, Collector; *Calidota albaticosta* Dyar Type; Holotype

♂ *Calidota albaticosta* Dyar A.W. 1967; Arctiidae genitalia slide No. AW499."

***Calidota albiceps* Dognin**

PLATES 17a; 100a

Callidota [sic] *albiceps* Dognin, 1901b, p. 69.

Forewing 24.5 mm. Front of head greyish brown, vertex pale yellow. Thorax pale yellow and greyish brown. Forewing greyish brown. Hindwing translucent, very light yellowish grey with greyish brown margins. Dorsal surface of abdomen orange-yellow with narrow, medial, longitudinal, greyish brown line; ventral surface olive brown.

Described from a single female from Mérida, Venezuela.

Holotype ♀: "Dognin Collection; Type No. 30390 USNM; Merida; *Callidota albiceps* Dognin type ♀, Type vu et figuré par Hmpsn. . . /1901; Holotype ♀ *Calidota albiceps* Dognin A.W. 1967; Arctiidae genitalia slide No. AW511."

***Ischnocampa albiceps* Dognin**

PLATES 11d; 54a,b

Ischnocampa albiceps Dognin, 1911b, p. 10.

Forewing 21.0 mm. Front of head dark greyish brown. Vertex white. Thorax light yellow posteriorly, remainder greyish brown. Forewing brownish orange speckled with greyish brown. Hindwing yellowish white and light greyish brown. Abdomen yellowish brown (palest anterodorsally) except for greyish yellow tail fringe.

Described from a single male from San Antonio, Cali, Colombia.

Holotype ♂: "Dognin Collection; Colombie, Fassl; Type No. 30383 USNM; San Antonio, Cali, Colombie; *Ischnocampa albiceps* Dogn. type ♂ Hmpn. 6.11; Holotype ♂ *Ischnocampa albiceps* Dognin A.W. 1967; Arctiidae genitalia slide No. AW590."

***Amastus aloniae* Schaus**

PLATES 13d; 96b

Amastus aloniae Schaus, 1933, p. 574.

Forewing 42.5 mm. Front of head white, vertex brownish orange. Tegulae white anteriorly,

brownish orange posteriorly, with black line separating the orange and white areas. Patagia brownish orange with white anterolateral margin and white dorsolateral fringe, the orange and white areas separated by a black line. Rest of thorax brownish orange. Forewing brownish orange, with paler postmedial and subterminal fasciae. Hindwing orange-white. Abdomen orange anterodorsally; with black lateral spot on segment 3; black speckled with white laterally on segment 4, laterally and posteriorly on segment 5; segments 6 and 7 black speckled with white, the latter segment white posteriorly (the white area extended anteriorly along the middorsal line. Abdomen orange laterally, slightly greyish white ventrally (the posterior margin of each segment unscaled).

A single female type (USNM 34392) from Incachaca, Bolivia, is designated in the original description. There are no specimens of this species in the USNM collection other than the holotype which bears the anomalous handwritten label "Huigra, Ecuador"!

Holotype ♀: "Type No. 34392 U.S.N.M.; Huigra, Ecuador; *Amastus aloniae* Schs type; Holotype ♀ *Amastus aloniae* Schaus A.W. 1967; Arctiidae genitalia slide No. AW547."

Hypomolis amabilis (Schaus)

PLATES 23d; 73c,d

Chlorhoda amabilis Schaus, 1915, p. 3.

Hypomolis amabilis (Schaus) Hampson, 1920, p. 461.

Forewing 16.5 mm. Head greyish green. Thorax greyish green; patagia edged with orange-red. Forewing greyish green with orange costa and with black markings. Hindwing pale yellow, with light yellow outer marginal fringe; greenish distal and orange-red anal suffusion. Abdomen orange-red dorsally, golden yellow ventrally.

Described from an unspecified number of males from Nova Friburgo, Brazil. There are no specimens other than the lectotype in the USNM collection.

Lectotype ♂: "Type No. 18309 U.S.N.M.; N. Friburgo, 11.10.12, Coll. J. Arp; *Chlorhoda amabilis* Schs type; Lectotype ♂ *Chlorhoda amabilis* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW473."

Antarctia amarga Schaus

PLATES 31c; 88c,d

Antarctia amarga Schaus, 1933, p. 586.

Forewing 16.5 mm. Head, thorax, and forewing dark greyish brown. Hindwing yellowish white and greyish brown, with light yellow anal fringe. Dorsal surface of abdomen dark greyish brown medially, orange-yellow laterally and on tail fringe; ventral surface rather worn, but chiefly dark greyish brown, with some orange-yellow scales anteromedially on each segment.

A single male (USNM 34449) from Tucumán, Argentina, is designated in the original description.

Holotype ♂: "Collection Wm. Schaus; Tucuman, Argentina; 115; Type No. 34449 U.S.N.M.; *Antarctia amarga* Schs type; [long handwritten descriptive note in French]; Holotype ♂ *Antarctia amarga* Schaus A.W. 1967; Arctiidae genitalia slide No. AW528."

Antarctia brunnea ab. *amaryllis* (Schaus)

PLATES 31b; 106d

Motada amaryllis Schaus, 1896, p. 142.

Antarctia brunnea ab. *amaryllis* (Schaus) Hampson, 1901a, p. 449.

Forewing 21.5 mm. Head, thorax, wings, and abdomen pale brownish yellow.

Described from an unspecified number of males and females from Castro, Paraná [Brazil]. Twelve males in the USNM collection from the type-locality may represent paralectotypes.

Lectotype ♀: "Collection Wm. Schaus; Castro, Parana; Type No. 11135 U.S.N.M.; *Motada amaryllis* Schs. Type; Lectotype ♀ *Motada amaryllis*. Schaus A.W. 1967; Arctiidae genitalia slide No. AW531."

Halisidota andensis (Schaus)

PLATES 9b; 50c,d

Lophocampa andensis Schaus, 1896, p. 138.

Halisidota andensis (Schaus) Hampson, 1901a, p. 147.

Forewing 23.0 mm. Front of head yellowish brown, with transverse yellowish white band dorsally. Vertex yellowish brown with yellowish white lateral

margins. Tegulae yellowish brown and greyish yellow, with yellowish white fringes. Patagia greyish yellow, yellowish brown and white. Forewing greyish brown, with some light yellow scales, especially in posterior half of wing; markings white (those in center of wing very weakly scaled and translucent); fringe brown and white. Hindwing white, becoming yellowish anally, with yellowish brown apical markings. Dorsal surface of abdominal segments 1–5 yellowish brown dorsally, with white, oblique, lateral stripe on each side of 3–5; segments 6 and 7 orange-yellow anteriorly, yellowish brown posteriorly, these two areas of color separated by dark yellowish brown transverse band; segment 8 orange-yellow anteromedially, yellowish brown posteriorly, with yellowish white tail fringe, white laterally. Ventral surface rather worn, but chiefly yellowish brown medially, white laterally.

Described from an unspecified number of specimens from "U.S. Colombia." Two males and two females in the USNM collection, from Colombia, may represent paralectotypes.

Lectotype ♂: "Colombia, S. America, Collection Wm Schaus; Type No. 11079 U.S.N.M.; *Lophocampa andensis* Schs Type; Lectotype ♂ *Lophocampa andensis* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW626."

Ecpantheria andromela Dyar

PLATES 3c; 39a,b

Ecpantheria andromela Dyar, 1909, p. 20.

Forewing 20.5 mm. Palps and front of head dark brown; vertex dark brown between and anterior to antennae, remainder yellowish white. Tegulae and patagia dark brown, edged laterally and medially with yellowish white; rest of thorax yellowish white, with dark brown dorsal markings. Forewing dark brown and yellowish white. Hindwing yellowish brown. Dorsal surface of abdomen light brown anteriorly (this area of color tapering to segment 8), orange otherwise; ventrally black with orange posterior area tapering anteriorly.

Described from four males and one female from Mexico City, Mexico. The three male paralectotypes and one female paralectotype are in the USNM collection.

Lectotype ♂: "Sept. 08; R. Muller Collector;

Mexico City, Mex.; Type No. 12216 U.S.N.M.; Lectotype ♂ *Ecpantheria andromela* Dyar By A. Watson 1967; Arctiidae genitalia slide No AW469."

Calidota angelus Dyar

PLATES 21a; 66c,d

Calidota angelus Dyar, 1907, p. 228.

Forewing 18.0 mm. Front of head light greyish yellow; vertex greyish yellow anteriorly, reddish orange posteriorly. Patagia greyish yellow, with lateral and medial brownish white fringes; tegulae and rest of thorax greyish yellow. Forewing greyish yellow, with brownish white markings along veins and medial part of costal area. Hindwing brownish white, with some reddish orange scales at base. Abdomen reddish orange dorsally; yellowish white ventrally, with lateral longitudinal line of dark greyish brown.

A single male (USNM 10923) from Mexico City, Mexico, is designated in the original description.

Holotype ♂: "R. Muller Collector; Mexico City, Mex.; 1141; Type No. 10923 U.S.N.M.; *Calidota angelus* Dyar Type; Holotype ♂ *Calidota angelus* Dyar A. W. 1967; Arctiidae genitalia slide No. AW502."

Hemihyalea annario Dyar

PLATES 8c; 93a,b

Hemihyalea annario Dyar, 1914a, p. 148.

Forewing 34.0 mm. Head and thorax greyish yellow. Forewing greyish yellow, translucent except near margins; markings greyish brown, inconspicuous. Hindwing greyish yellow, becoming pastel red anally; translucent at margins, transparent otherwise. Dorsal surface of abdomen reddish orange, with greyish yellow anteriorly and laterally on segment 1, laterally on 2–6, laterally and posteriorly on 7; ventral surface greyish yellow.

Described from two female syntypes ("cotypes") from Tuis, Costa Rica. The lectotype alone was labeled "type" by Dyar. The paralectotype is in the USNM collection.

Lectotype ♀: "Tuis, C. R.; June; Collection Wm Schaus; Type No. 18906 U.S.N.M.; *Hemihyalea annario* Dyar type; Lectotype ♀ *Hemihyalea*

annorio Dyar By A. Watson 1967; Arctiidae genitalia slide No. AW589."

***Amastus antonio* Dognin**

PLATES 12a; 54c,d

Amastus antonio Dognin, 1901c, p. 179.

Forewing 27.0 mm. Head white except for dark brown posterior margin. Tegulae dark brown, with white transverse anterior band; patagia white anterolaterally, followed medially by longitudinal stripes of yellowish brown, orange, dark brown, and white; rest of thorax yellowish brown, with orange-white posterior margin. Forewings light brown and light yellow, with dark brown on some veins, translucent except at margins. Hindwing pale brownish yellow, translucent. Dorsal surface of abdomen greyish orange; segments 3-7 with black-edged yellowish white spots on each side, segment 7 black anteriorly; segment 8 black laterally; pleura of abdomen clothed with yellowish white, bordered by black; ventral surface yellowish light brown, with pale yellow tail fringe.

Described from two males from Tucumán, [Argentina]. The smaller of the two syntypes (the paralectotype) could not be found in the USNM collection.

Lectotype ♂: "Dognin Collection; Tucuman, P. Girard; Typo No. 30403 USNM; *Amastus antonio* Dgn. type ♂; Lectotype ♂ *Amastus antonio* Dognin By A. Watson, 1967; Arctiidae genitalia slide No. AW578."

***Amastus aphraates* Schaus**

PLATES 13a; 55a,b

Amastus aphraates Schaus, 1927, p. 74.

Forewing 28.0 mm. Head orange. Thorax brownish orange with orange-grey dorsolateral fringe to patagia. Forewing brownish orange, with paler subterminal fascia. Hindwing chiefly yellowish white; orange-white anally. Abdomen greyish yellow, with a pink dorsal suffusion anteromedially and on tail fringe.

A single male type (USNM 33191) from Tucumán, Argentina, is designated in the original description.

Holotype ♂: "Tucuman, Argentina; Collection Wm. Schaus; 93; *Amastus aphraates* Schs type; Type No. 33191 U.S.N.M.; Holotype ♂ *Amastus aphraates* Schaus A.W. 1967; Arctiidae genitalia slide No. AW611."

***Elysius arpi* Dognin**

PLATES 9a; 50a,b

Elysius arpi Dognin, 1923, p. 5.

Forewing 30 mm. Front of head yellowish white dorsally, black ventrally. Vertex black between antennal bases, white posteriorly except for black medial line. Scape of antenna orange-yellow. Tegulae yellowish white, with central yellow-speckled dash. Patagia black anteriorly, with small white spot and slightly larger, less well-defined white spot posterior to latter; rest of patagium white, with greyish brown dorsolateral fringe and with black spot toward distal end. Forewing yellowish white, suffused with greyish brown apically and between elements of medial fasciae; fascia markings white, edged with greyish brown; a single orange-yellow spot present at base of wing. Hindwing white, with pale yellow anal suffusion; markings light yellowish grey. Abdomen orange-yellow dorsally, with row of black-margined medial and lateral spots; ventral surface white, with medial row of large greyish brown markings and two rows of lateral markings on each side.

Described from a single male from Joinville, Brazil.

Holotype ♂: "Dognin Collection; Type No. 30386 U.S.N.M.; J.ville Coll. J. Arp; *Elysius arpi* Dgn. type ♂; Holotype ♂ *Elysius arpi* Dognin A.W. 1967; Arctiidae genitalia slide No. AW566."

***Elysius barnesi* Schaus**

PLATES 24e; 104c

Elysius barnesi Schaus, 1904, p. 137.

Forewing 29.0 mm. Head, thorax, and wings white. Dorsal surface of abdominal segment 1 white; segments 2-6 pale yellow medially, white laterally; 7 pale yellow, with white laterally and medially; ventral surface of segment 2 white, with pale yellow

laterally, 3–7 white, with pale yellow posterior fringe to each segment.

Described from an unspecified number of females from Matanzas, Cuba. There are no specimens of this species in the USNM collection, apart from the lectotype.

Lectotype ♀: "Collection Wm Schaus; Type No. 11062 U.S.N.M.; Matanzas, Cuba; *Elysius barnesi* Schs type; Lectotype ♀ *Elysius barnesi* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW571."

Motada bergi Schaus

[This is a junior synonym of *Antarctia costata* Burmeister, 1878, p. 451, teste Hampson, 1901a, p. 446]

PLATES 29d; 85a,b

Motada bergi Schaus, 1896, p. 142.

Forewing 21.0 mm. Head and thorax light greyish brown. Forewing light greyish brown, the veins yellowish white. Hindwing light greyish brown; anal fringe and posterior part of outer marginal fringe light yellow. Dorsal surface of abdomen greyish brown medially, greyish yellow laterally; ventral surface yellowish brown.

Described from an unspecified number of specimens from "Castro, Paraná" [Brazil]. The lectotype, which is the only specimen bearing a Schaus type-label, is from Petropolis, however. The former locality must be regarded as erroneous and the type-locality corrected to Petropolis, Brazil. A further pair from the type-locality may represent paralectotypes.

Lectotype ♂: "Collection Wm Schaus; Petropolis, Brazil; *costata* Burm.; *Motada bergi* Schs. type; Lectotype ♂ *Motada bergi* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW521."

Mallocephala bogotensis Dognin

PLATES 31a; 88a,b

Mallocephala bogotensis Dognin, 1916, p. 8.

Forewing 17.0 mm. Head and thorax dark yellowish brown. Forewing yellowish brown, weakly translucent. Hindwing yellowish white at apex and outer margin; greyish yellow anally; rest of wing weakly

translucent, brownish white. Abdomen yellowish brown, with some orange-yellow anterolaterally.

Described from a pair of specimens from Bogotá, Colombia. The male has been selected as lectotype; the brachypterous female paralectotype is in the USNM collection.

Lectotype ♂: "Dognin Collection; Bogota, Colombia; Type No. 30441 U.S.N.M.; *Mallocephala* sp. not in B.M.; *Mallocephala bogotensis* type ♂ Dogn. Hmpsn. 7.16; Lectotype ♂ *Mallocephala bogotensis* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW518."

Calidota calosoma Dyar

PLATES 16a; 59a,b

Calidota calosoma Dyar, 1913a, p. 285.

Forewing 23.0 mm. Front of head worn. Vertex yellow. Tegulae yellowish white. Patagia yellowish white with orange-red dorsolateral fringe and yellow ventrolateral fringe. Rest of thorax orange-red. Wings very light greyish yellow, forewing darker than hindwing. Dorsal surface of segment 1 greyish yellow anteriorly, greyish orange posteriorly; remainder of dorsal surface greyish brown except for orange-yellow tail fringe to segment 8; ventral surface of 2–7 light greyish brown, segment 8 yellow.

Described from a single male (USNM 14460) from Orizaba, Mexico.

Holotype ♂: "Sept.; Orizaba, Mex.; R. Muller Collector; 3258; *Calidota calosoma* Dyar type; Type No. 14460 U.S.N.M.; Holotype ♂ *Calidota calosoma* Dyar A.W. 1967; Arctiidae genitalia slide No. AW503."

Ecpantheria campinasa Schaus

PLATES 2b; 35d–f

Ecpantheria campinasa Schaus, 1938, p. 505.

Forewing 31.5 mm. Front of head black, vertex greyish yellow; thorax greyish yellow and black. Wings white, with black markings. Dorsal surface of abdomen pale yellow anteriorly, segment 2 black except for orange lateral and medial patch, segment 3 orange, with black lateral patch and black posteromedially, remaining segments black, with orange lateral patch; ventral surface pale yellow.

A single male (USNM 34724) from Campinas, São Paulo, Brazil, is designated in the original description.

Holotype ♂: "Campinas, São Paulo, Brasil: 5.vii.1936, E. J. Hambleton; Type No. 34724 U.S.N.M.; 56; *Ecpantheria campinasa* Schs type; Holotype ♂ *Ecpantheria campinasa* Schaus A.W. 1967; Arctiidae genitalia slide No. AW461."

***Hemihyalea camposi* Schaus**

PLATES 5d; 44a,b

Hemihyalea camposi Schaus, 1927, p. 74.

Forewing 32.0 mm. Front of head greyish white ventrally, greyish orange dorsally; vertex greyish orange. Tegulae and patagia greyish orange, each with white anterior band. Wings transparent; margins pale yellow. Dorsal surface of abdomen pastel red; ventral surface pale greyish yellow, with some pastel red scales anteriorly and in tail fringe.

A single male type (USNM 33190) from Azogues, Ecuador, is designated in the original description.

Holotype ♂: "Azogues, Campos R.; *Hemihyalea camposi* Schs. type; Type No. 33190 U.S.N.M.; Holotype ♂ *Hemihyalea camposi* Schaus A.W. 1967; Arctiidae genitalia slide No. AW599."

***Elysius carbonarius* (Dognin)**

PLATES 20f; 66a,b

Opharus carbonarius Dognin, 1889d, p. 283.

Elysius carbonarius (Dognin) Hampson, 1901a, p. 107.

Forewing 27.5 mm. Head dark brown. Tegulae and anterior margin of patagia dark brown, rest of thorax greyish brown. Forewings dark yellowish brown. Hindwing pale yellow, with greyish brown costal and outer margins. Abdomen greyish brown.

Described from a single specimen from San Francisco, near Loja (Ecuador).

Holotype ♂: "Dognin Collection; Type No. 30479 U.S.N.M.; pas . . . ni chez . . .; type figuré août 1891; San Francisco, Loja, Equateur, août 86, *Opharus carbonarius* Dgn type; Holotype ♂, *Opharus carbonarius* Dognin A.W. 1967; Arctiidae genitalia slide No. AW569."

***Ischnocampa celer* (Schaus)**

PLATES 10d; 94b

Carales celer Schaus, 1892, p. 282.

Ischnocampa celer (Schaus) Hampson, 1901a, p. 115.

Forewing 21.0 mm. Front of head greyish brown; vertex yellowish brown. Patagia with brown anterior spot; rest of thorax pale brownish yellow. Forewing pale brownish yellow, with yellowish brown markings. Hindwing greyish brown, becoming much paler toward base. Abdomen yellowish brown dorsally, with light yellow laterally, edged on extreme lateral margin of tergum with yellowish brown; ventrally light yellow, with medial yellowish brown areas on segments 4–7.

Described from an unspecified number of examples from "Rio Janeiro" [state of Rio de Janeiro], Brazil. There are no specimens in the USNM collection from the type-locality other than the lectotype.

Lectotype ♀: "Collection Wm. Schaus; Nova Friburgo, Brazil; Type No. 11066 U.S.N.M.; *Carales celer* Schs. Type; Lectotype ♂ *Carales celer* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW576."

***Calidota clarcana* Dyar**

PLATES 15f; 58c,d

Calidota clarcana Dyar, 1916, p. 7.

Forewing 24.0 mm. Head yellowish grey, with single black medial spot on vertex. Tegulae yellowish grey, each with central black spot. Patagia yellowish grey, each with black, longitudinal streak. Rest of thorax worn. Forewing dark greyish brown and white. Hindwing yellowish grey and white. Dorsal surface of abdomen reddish orange, with black medial and lateral patches on segments 2–8, edged sparsely with pinkish white scales; ventral surface of segments 2–7 greyish yellow, with some yellowish white scales, segment 8 dark greyish brown laterally and reddish orange medially.

Described from a single male (USNM 18833) from Guerrero Mill, Hidalgo, Mexico.

Holotype ♂: "Guerrero Mill, Hidalgo, Mexico, alt. 9000 ft., Mann & Skewes; Type No. 18833 U.S.N.M.; *Calidota clarcana* Dyar Type; Holotype

♂ *Calidota clarcana* Dyar A.W. 1967; Arctiidae genitalia slide No. AW500."

***Amastus coccinator* Schaus**

PLATES 7d; 47d,e

Amastus coccinator Schaus, 1901, p. 267.

Forewing 37.0 mm. Front of head white, vertex red. Tegulae deep orange, with white anterior margin; patagia deep orange, edged with white anterolaterally and medially, and with pastel red posterolaterally; rest of thorax red. Forewings brownish orange; translucent from base to greyish orange subterminal fascia. Hindwing light yellow, with pastel red anal fringe; translucent to transparent except at margins of wing. Segment 1 of dorsal surface of abdomen deep orange, segments 2–5 red, 6–8 deep orange, each segment edged laterally with white, and with white lateral marking on each side of 4 and 5. Ventral abdominal surface greyish white except for deep orange tail fringe, some red scales on segment 2, and conspicuous red lateral line on each side of abdomen.

Described from an unspecified number of specimens from Colombia. There are two specimens from Colombia, other than the lectotype, in the USNM collection.

Lectotype ♂: "Colombia, S. America; Collection Wm Schaus; Type No. 11074 U.S.N.M.; *Phaegoptera coccinator* Schs type; Lectotype ♂ *Amastus coccinator* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW554."

***Halisidota costistrigata* Schaus**

[This is a junior synonym of *Lepidolutzia baucis* (Dalman), 1823, p. 50, teste Rego-Barros, 1956b, p. 9.]

PLATES 21c; 67c,d

Halisidota costistrigata Schaus, 1921, p. 170.

Forewing 28.5 mm. Ventral half of front of head orange; dorsal half orange-red, with dark brown spot anterior to each antenna. Vertex orange-red. Color of tegulae uncertain, but at least partly dark brown, with yellowish white anterior margin. Patagia dark brown, with yellowish white medial band. Rest of thorax orange-red. Forewing dark brown, outer marginal fringe and basal streak

yellowish white. Hindwing dark brown; outer marginal fringe yellowish white except at anal angle. Dorsal surface of abdominal segments 1–5 dark brown, with orange-red dorsal patches on 1–3; segments 6–8 orange-red, with irregular, dark brown transverse line on 6 and lateral dark brown spot on each side of 7 and 8. Ventral surface dark brown, with yellowish white lateral line from 3 to 7 (widest posteriorly).

A single male type (USNM 24916) from Caldas, "Province Minas" [Minas Gerais], Brazil, is designated in the original description.

Holotype ♂: "Type No. 24916 U.S.N.M.; Caldas, Minas 6/11.08 Coll. J. Arp; 402: *Halisidota costistrigata* Schs type; Holotype ♂ *Halisidota costistrigata* Schaus A.W. 1967; Arctiidae genitalia slide No. AW624."

***Metacrisia courregesi* (Dognin)**

PLATES 22c; 70a,b

Purius courregesi Dognin, 1891c, p. 257.

Metacrisia courregesi (Dognin) Hampson, 1901a, p. 431.

Forewing 20.0 mm. Front of head brownish orange, vertex light yellow. Thorax brownish orange and light yellowish. Forewing greyish brown, light yellow and yellowish white. Hindwing pale yellow, with orange-red anal suffusion. Abdomen stained—probably mostly brownish orange; described by Dognin as red above, yellow beneath.

Described from three males and a female from near Loya [Loja, Ecuador]. A male and two females [in the USNM collection] from the type-locality and labeled "type" are probably paralectotypes.

Lectotype ♂: "Dognin Collection; Type No. 30375 U.S.N.M.; Environs de Loja, Equateur, 1890; *Purius courregesi* Dgn type; Arctiidae genitalia slide No. AW495."

***Euchaetias cressida* Dyar**

PLATES 25a; 77a,b

Euchaetias cressida Dyar, 1913a, p. 284.

Forewing 17.5 mm. Head orange-yellow except for white dorsal spot at posterior margin of vertex. Thorax and wings lustrous white. Dorsal surface of abdomen golden yellow, with black patch

medially and laterally on each side at anterior margin of segments 2–8; ventrally pale yellow.

A male type (USNM 14461) from Cerritos, Mexico, is designated as type in the original description.

Holotype ♂: "Type No. 14461 U.S.N.M.; R. Muller Collector; 3227; Aug. 11; Cerritos,—Potosi, Mex.; *Euchaetias cressida* Dyar type; Holotype ♂ *Euchaetias cressida* Dyar A.W. 1967; Arctiidae genitalia slide No. AW488."

Ecpantheria cretacea Dognin

PLATES 1f; 34d,e

Ecpantheria cretacea Dognin, 1912b, p. 11.

Forewing 20.0 mm. Head and thorax white. Wings white, with light greyish brown markings. Abdomen orange-yellow dorsally, with row of black markings on either side of medial line and along each lateral margin; yellowish white ventrally.

Described from one male and one female from Medina, east Colombia. The female paralectotype is in the USNM collection.

Lectotype ♂: "Dognin collection; Medina, Ost Colomb. 500 m., Coll. Fassl; Type No. 30368 U.S.N.M.; *Ecpantheria cretacea* Dognin type ♂ Hmpsn, 5.92; Lectotype ♂ *Ecpantheria cretacea* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW460."

Thalesa debilis Schaus

PLATES 9e; 51c,d

Thalesa debilis Schaus, 1920, p. 119.

Forewing 27.0 mm. Front of head light yellow in ventral half; greyish yellow dorsally. Vertex light yellow, with greyish yellow anteromedial patch and short, greyish yellow, posterolateral streak. Thorax light yellow; tegula with greyish yellow central spot; patagia with greyish yellow anterior patch and some greyish yellow along anterior half of medial edge. Forewing light yellow, with greyish yellow and dark brown markings. Hindwing yellowish white; more yellowish anally. Abdomen light yellow ventrally and laterally; deep yellow dorsomedially.

A single male type (USNM 22424) from Cayuga,

Guatemala, is designated in the original description.

Holotype ♂: "Oct.; Cayuga, Guat.; Schaus and Barnes col; *Thalesa debilis* Schs type; Type No. 22424 U.S.N.M.; Holotype ♂ *Thalesa debilis* Schaus A.W. 1967; Arctiidae genitalia slide No. AW623."

Euchaetias albicosta densa Dyar

PLATES 26a; 79a,b

Euchaetias albicosta densa Dyar, 1921, p. 59.

Forewing 15.0 mm. Front of head light greyish brown, with orange-red patch posterior to each antenna. Thorax and wings greyish brown. Dorsal surface of abdomen brownish red with black, longitudinal, lateral line on each and with medial spot at anterior margin of each segment; ventral surface yellowish brown.

Two male "types" are designated in the original description, together with four females, all from Venadio, Sinaloa, Mexico.

Lectotype ♂: "B. P. Clark donor; Venadio, Sinaloa, Mex.; Collection Wm Schaus; Type No. 24021 U.S.N.M.; *Echaetius albicosta densa* Dyar type; Lectotype ♂ *Euchaetias albicosta densa* Dyar By A. Watson 1967; Arctiidae genitalia slide No. AW484."

Amastus diaphenes Dyar

PLATES 6f; 47a-c

Amastus diaphenes Dyar, 1914a, p. 151.

Forewing 33.0 mm. Head golden yellow. Thorax brownish yellow, becoming orange-red posteriorly and at sides of patagia. Wings devoid of scales except at margins, which are brownish yellow on forewings and light yellow on hindwing, and area between Cu_{1B} and anal margin in hindwing, which is light yellow. Dorsal surface of abdominal segments 1–6 orange-red, 7 and 8 orange; 5–8 with orange-yellow lateral patch; ventral surface of abdomen greyish yellow, with some orange scales anteriorly on segment 2 and posteriorly on segment 8.

A single male type (USNM 18907) from Colombia is designated in the original description.

Holotype ♂: "Type No. 18907 U.S.N.M.; Collec-

tion Wm Schaus; 762; *Phaegoptera cornea* H. S. Columbia [and on reverse side of same label: *Amastus diaphenes* Dyar type]; Holotype ♂ *Amastus diaphenes* Dyar A.W. 1967; Arctiidae genitalia slide No. AW553."

Turuptiana dissimilis (Schaus)

PLATES 3e; 40a,b

Chaetoloma dissimilis Schaus, 1896, p. 141.

Turuptiana dissimilis (Schaus) Hampson, 1901a, p. 429.

Forewing 23.0 mm. Front of head greyish brown; vertex greyish yellow. Thorax greyish yellow, with posterior part of tegulae olive brown. Costal area of forewing orange-yellow and black, anal area orange-yellow, greyish brown and black, wing otherwise transparent. Hindwing orange-yellow anteriorly and anally; otherwise transparent. Abdomen orange except for tergites of segments 3-7, which are black, edged laterally with orange.

Described from an unspecified number of males and females from "U.S. Colombia." There is a female paralectotype labeled with a red type-number label (USNM 11123) in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; Colombia, S. America; Type No. 11123 U.S.N.M.; *Chaetoloma dissimilis* Schs. ♂ type; Lectotype ♂ *Chaetoloma dissimilis* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW491."

Calidota divina (Schaus)

PLATES 15e; 99a

Carales divina Schaus, 1889, p. 191.

Calidota divina (Schaus) Hampson, 1901a, pp. 432, 434.

Forewing 30.5 mm. Front of head brown, with white tuft anterior to each antennal base; antennal scape reddish orange, with dorsal greyish white patch; vertex brown based, greyish white, with posteromedial black spot. Tegulae greyish white, with central black spot. Patagia greyish white at anterior margin, followed by very dark brown band; rest greyish white with narrow, longitudinal, dark brown line, edged medially with reddish orange. Rest of thorax greyish white, edged posteriorly with reddish orange, with black spot anteriorly and another posteriorly. Forewings

greyish white and dark yellowish brown; some reddish orange scales at base of wing and on costa at end of antemedial, postmedial, and subterminal fasciae. Hindwing translucent orange-grey, changing to brownish orange distally and anally. Ground color of dorsal surface of abdomen reddish orange; segments 2-7 with dark greyish brown anteromedial and lateral patches, edged with yellow. Ventral surface of abdomen pale yellow medially, becoming pinkish laterally and posteriorly on each segment and, except for segment 7, with dark greyish brown markings confluent with lateral patches of dorsum; segment 7 with medial greyish brown longitudinal line. Longitudinal lateral ridge with fine covering of yellowish brown scales except for posterior process, which is devoid of scales.

Described from one male and one female from Cofre de Perote, Mexico. Both lectotype and paralectotype are labeled "Las Vigas," a town to the north of Perote peak. The lectotype alone is labeled "type."

Lectotype ♀: "Collection Wm. Schaus; Las Vigas, Mexico; Type No. 11124 U.S.N.M.; *Carales divina* Schs Type; Lectotype ♀ *Carales divina* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW501."

Antarctia dukinfieldia (Schaus)

PLATES 29c; 106b

Motada dukinfieldia Schaus, 1896, p. 142.

Antarctia ducinfieldia [sic] (Schaus) Hampson, 1901a, pp. 448, 449.

Antarctia duckinfieldia [sic] (Schaus).—Seitz, 1920, p. 323.

Forewing 31.0 mm. Head and thorax greyish yellow. Forewings more greyish than thorax, the veins and fringe pale yellow. Hindwing mostly yellowish grey, but pale yellow at base, and with pale yellow veins and fringe. Dorsal surface of abdomen orange-yellow, with large medial and lateral dark greyish brown markings on segments 1-6; ventral surface of 1-6 greyish brown (darkest laterally), with orange-yellow transverse band laterally at anterior margin of segments 4-6; segment 7 greyish orange-yellow.

Described from an unspecified number of females from Castro, Paraná [Brazil]. Two females in the USNM collection (ex Schaus collection) from the type-locality may represent paralectotypes.

Lectotype ♀: "Collection Wm. Schaus; Castro, Parana; Type No. 11136 U.S.N.M.; Lectotype ♀ *Motada dukinfieldia* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW532."

***Halisidota dukinfieldia* (Schaus)**

[This is a junior synonym of *Lepidolutzia baucis* (Dalman), 1823, p. 50, teste Rego-Barros, 1956b, p. 9.]

PLATES 21e; 68c,d

Pygoctenucha dukinfieldia Schaus, 1896, p. 133.

Halisidota dukinfieldia (Schaus) Hampson, 1901a, pp. 146, 147.

Forewing 27.5 mm. Head orange-red. Tegulae orange-red, with black spot anterolaterally, confluent with yellowish white spot at anterolateral corner of tegula. Patagia black; central yellowish white line recurved toward base of wing anteriorly; small patch of orange-red at anterolateral corner. Thorax not obscured by patagia is orange-red. Forewing very dark greyish brown, with slight turquoise iridescence; yellowish white streak at base of costal area; fringe yellowish white. Ground color of hindwing as for forewing; patch of orange-red scales at base; anterior half of outer marginal fringe white, rest as for ground color. Dorsal surface of abdominal segment 1 orange-red at midline, very dark greyish brown laterally, with reddish orange suffusion toward middorsal line; 1-6 black; 7 black anteriorly, reddish orange posteriorly; 8 reddish orange. Ventral surface black except for white spot on each side of 5-7, and reddish orange tail fringe.

Described from an unspecified number of examples from São Paulo, Brazil. There are no specimens in the USNM collection from the type-locality other than the lectotype.

Lectotype ♂: "Type No. 11078 U.S.N.M.; São Paulo, S.E. Brazil; Collection Wm Schaus; *Pygoctenucha dukinfieldia* Schs Type São Paulo; Lectotype ♂ *Pygoctenucha dukinfieldia* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW 621."

***Amastus edaphus* Dyar**

PLATES 13b; 55c,d

Amastus edaphus Dyar, 1913a, p. 286.

Forewing 41.5 mm. Head brownish orange. Tegulae and patagia greyish orange, the former with

black medial spot, the latter with black anterior spot. Rest of thorax greyish orange. Forewing greyish orange, with indistinct greyish yellow markings. Hindwing brownish grey and orange-yellow. Dorsal surface of abdomen golden yellow; ventral surface greyish orange, with broad, dark greyish brown, transverse, medial band on segments 3-7.

A single male type (USNM 15220) from Tehuacán, Mexico, is designated in the original description.

Holotype ♂: "R. Muller Collector; June 1912: Tehnacan [sic], Mexico; 3532; *Amastus edaphus* Dyar Type; Type No. 15220 U.S.N.M.; Holotype ♂ *Amastus edaphus* Dyar A.W. 1967; Arctiidae genitalia slide No. AW617."

***Antarctia emerita* Schaus**

PLATES 30d; 87a,b

Antarctia emerita Schaus, 1933, p. 586.

Forewing 18.5 mm. Head, thorax, and forewing greyish brown. Hindwing light yellow proximally, greyish brown distally. Dorsal surface of abdomen golden yellow, with greyish brown, transverse, medial band at anterior margin of segments 4-6; ventrally greyish brown.

A single male (USNM 34450) from Villa Rica, Paraguay, is designated in the original description.

Holotype ♂: "Oct. 1923; Jorgensen coll.; Villa Rica, Paraguay; Type No. 34450 U.S.N.M.; *Antarctia emerita* Schs Type; xl 74; Holotype ♂ *Antarctia emerita* A.W. 1967; Arctiidae genitalia slide No. AW519."

***Ecpantheria atra* ab. *eminens* (H. Edwards)**

PLATES 1a; 32a-c

Arctia eminens H. Edwards, 1884b, p. 59.

Ecpantheria atra ab. *eminens* (H. Edwards) Hampson, 1901a, p. 389.

Forewing 23.5 mm. Head pale yellow with large, dark greyish brown spot. Tegulae and patagia dark greyish brown, edged with pale yellow; rest of thorax dark greyish brown and light yellow. Forewing pale yellow and dark greyish brown. Hindwing greyish brown, with light yellow anterior markings and pale yellow outer-marginal markings. Dorsal surface of abdomen black, with

orange lateral band from segments 1–7; ventrally pale orange, with medial and lateral row of black spots.

Described from a single example from Mexico, stated to be a female, but in fact a male.

Holotype ♂: "Jalapa, Mexico; Type No. 33687 U.S.N.M.; Col. B. Neumögen; *Arctia eminens* Hy. Edw. Type; Holotype ♂ *Arctia eminens* H. Edwards A.W. 1967; Arctiidae genitalia slide No. AW468."

Euchaetias epagoga Dyar

PLATES 25b; 77c,d

Euchaetias epagoga Dyar, 1913a, p. 285.

Forewing 19.0 mm. Palps light brown. Head yellowish grey, with narrow, reddish orange posterior margin. Thorax yellowish grey. Forewing light yellowish grey, with pale yellow costa; hindwing similar in color. Abdomen badly stained; described by Dyar as "crimson above with dorsal and lateral black spots, white below in the male."

Described from two males and one female ("copies") from Tehuacán and Oaxaca, Mexico. The two paralectotypes are in the USNM collection.

Lectotype ♂: "Aug. 11; Tehuacan Mex.; R. Muller collector; paratype No. 14463 U.S.N.M.; *Euchaetes epagoga* Dyar type; Lectotype ♂ *Euchaetias epagoga* Dyar By A. Watson, 1967; 3202; Arctiidae genitalia slide No. AW486."

Amastus episcotosia Dognin

PLATES 13e; 96c

Amastus episcotosia Dognin, 1901b, p. 69.

Forewing 51.0 mm. Palps black. Front of head red, with large lateral patch on each side almost touching at midline just anterior to antennae; vertex black anteriorly, red posteriorly. Anterior transverse band of tegulae black, second yellowish white, third black, fourth (posterior) band red. Patagia yellowish white medially, followed by black, red, black and white longitudinal bands; rest of thorax dark reddish brown, with some pastel red laterally. Forewing dark brown, with light yellow outer marginal and anal fringes. Hindwing light brown, with some orange-red scales basally; translucent in middle. Abdominal segments 1–5 red dorsally,

with deep orange laterally and large, black-edged white spot on each side of 4 and 5; segment 6 deep orange with black-edged white, transverse band at posterior margin of segment; segment 7 deep orange with ovate medial patch (elongate longitudinally). Ventral surface of abdomen mostly very dark greyish brown, but segment 2 orange anteriorly, and segment 7 edged with orange posterolaterally.

Described from a single female from Chiriquí [Panama].

Holotype ♀: "Chiriquí, Panama, Colombie (Rosenberg); Dognin Collection; Type No. 30396 U.S.N.M.; *Amastus episcotosia* Dognin type ♀ Hampson 2/01; type vu et figuré par Hampson 2/1901; Holotype ♀ *Amastus episcotosia* Dognin A.W. 1967; Arctiidae genitalia slide No. AW555."

Hemihyalea ergana (Dognin)

PLATES 5f; 45a,b

Phaegoptera ergana Dognin, 1891b, p. 242.

Hemihyalea ergana (Dognin) Hampson, 1901a, p. 130.

Forewing 30.5 mm. Head light yellow. Tegulae light yellow. Patagia light yellow, with orange anterolateral patch, continued posteriorly as narrow central longitudinal band; rest of abdomen orange-red. Forewing and hindwing light yellow at margins and at apex of forewing, otherwise devoid of scales and transparent. Dorsal surface of abdomen reddish orange, with greyish yellow tail fringe and becoming more yellowish anteriorly; ventral surface greyish yellow, with reddish orange, longitudinal band on each side.

Described from two males and three females from Loja [Ecuador]. The male and three female paralectotypes are in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30427 U.S.N.M.; Environs de Loja, Equateur, 1890; *Phaegoptera ergana* Dognin Type ♂; type figure ♂ 1894; *Phaegoptera ergana* Dognin By A. Watson, 1967; Arctiidae genitalia slide No. AW597."

Hemihyalea erganoides Dognin

PLATES 5a; 42c,d

Hemihyalea erganoides Dognin, 1902, p. 232.

Forewing 30.5 mm. Head light yellow with narrow, orange-red band at posterior margin. Tegulae light

greyish yellow; patagia light greyish yellow, each with central orange-yellow longitudinal streak; rest of thorax orange-red. Forewing and hindwing greyish yellow at margins, rest of wings unscaled. Most of dorsal surface of abdomen greyish red medially, becoming greyish yellow posteriorly and at extreme anterior margin; laterally greyish yellow, ventral surface of abdomen greyish yellow.

Described from several males and females from Mérida, Venezuela. There are three male and three female paralectotypes in the USNM collection.

Lectotype ♂: "Type No. 30428 U.S.N.M.; Dognin Collection; *Hemihyalea erganoides* Dogn. type ♂; Venezuela, 1901; Lectotype ♂ *Hemihyalea erganoides* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW598."

***Prumala erratum* (Schaus), new combination**

PLATES 4c; 90b

Elysius erratum Schaus, 1933, p. 573.

Forewing 32 mm. Head, thorax, and ground color of forewings orange-yellow; Forewing markings greyish orange. Hindwing pale yellow, with light yellow outer marginal band. Abdomen light yellow, palest ventrally.

A single female type (USNM 34380) from Mérida, Venezuela, is designated in the original description.

Holotype ♀: "Type No. 34380 U.S.N.M.; Col. Wirt Robinson, donor; Merida, Venez.; *Elysius erratum* Schs type; *Elysius errata* Schs type; Holotype ♀ *Elysius erratum* Schaus A.W. 1967; Arctiidae genitalia slide No. AW559."

***Amastus esamena* Schaus**

PLATES 6a; 45c,d

Amastus esamena Schaus, 1933, p. 575.

Forewing 38.0 mm. Front of head brownish grey; vertex dark brownish grey between antennae, rest brownish grey, with brownish red posterior margin. Tegulae light orange posteriorly, brownish grey anteriorly, with dark brownish grey transverse band between orange and grey areas. Patagia light orange, edged with narrow band of dark brownish

grey; fringe mainly brownish grey, but pastel red posterolaterally. Rest of thorax brownish red. Forewing transparent except for light brown margins and light yellow tuft at base of anal margin. Hindwing transparent except for pale yellow margins, suffused with pastel red anally. Dorsal surface of abdominal segment 1 light orange; segment 2 reddish orange; 3-5 reddish orange medially, greyish brown laterally; segment 6 orange-yellow medially, with reddish orange suffusion anteriorly and dark greyish brown transverse band posteriorly; 7 and 8 dark greyish brown, with orange-yellow posteromedially on 7 and along whole posterior margin of 8. Pleural region of abdomen orange-yellow; ventrally greyish yellow, with some orange-yellow on valves of genitalia and reddish orange lateral line along each side of 3-5.

Described from an unspecified number of males and females from Incachaca, Bolivia. There is a female paralectotype in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; Cochabamba, Bolivia, J. Steinbach; Type No. 34390 U.S.N.M.; *Amastus esamena* Schs type; Lectotype ♂ *Amastus esamena* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW614."

***Calidota euchaetiformis* (H. Edwards)**

PLATES 17b; 100b,c

Opharus euchaetiformis H. Edwards, 1884a, p. 15.

Calidota euchaetiformis (H. Edwards) Hampson, 1901a, p. 435.

Forewing 26.0 mm. Front of head dark greyish brown; vertex orange-yellow, with large, dark greyish brown dorsal spot; antennal scape orange-yellow, with dark greyish brown dorsal patch. Tegulae yellowish brown; rest of thorax a mixture of yellowish brown and greyish yellow (as for forewing). Forewing with greyish brown interneural markings between M_1 and Cu_{1a} , between Cu_{1b} and $1A$, and in distal half of cell. Hindwing translucent yellowish grey proximally, as for forewing distally and at apex. Ground color of dorsal surface of abdomen orange yellow; segment 1 light greyish brown medially, segments 2-6 with black medial patch and black lateral patch on each side, segment 7 with black lateral patch. Ventral surface of abdomen light yellow with black, longitudinal, lateral band on each side.

Described from a single female from Mexico.

Holotype ♀: "Collection Brklyn Mus; Jalapa, Mexico; typicum specimen; Type No. 34644 U.S.N.M.; *Opharus euchaetiformis* Hy. Ed. Type; Col. B. Neumögen; Holotype ♀ *Opharus euchaetiformis* H. Edwards A.W. 1967; Arctiidae genitalia slide No. AW504."

***Hemihyalea euornithia* Dyar**

PLATES 8d; 49c,d

Hemihyalea euornithia Dyar, 1914a, p. 149.

Forewing 30.0 mm. Head greyish yellow. Thorax greyish yellow, darkest anteriorly; patagia with single black spot anteriorly. Forewing yellow, marked with black, greyish yellow (at outer margin) and with white on outer marginal fringe. Hindwing light yellow, marked with greyish brown anterior to Cu_{1b} , light greyish brown between Cu_{1b} and 2A, and with pastel red anal area; wing sparsely scaled in and near cell. Dorsal surface of abdomen brownish red, with some greyish yellow anteriorly on segment 1 and laterally on 1-7, segment 8 with greyish yellow tail fringe; lateral dark greyish brown markings obscured by long greyish yellow scales; ventral surface greyish yellow.

Described from an unspecified number of specimens from Mexico. Lectotype ♂, designated by Dyar (1916, p. 6) from Guerrero Mill, Hidalgo, Mexico.

Lectotype ♂: "Gift of B.P. Clark; Guerrero Mill, Hidalgo, Mexico. Alt. 9,000ft., Mann & Skewes; Type No. 18831 U.S.N.M.; *Hemihyalea euornithia* Dyar Type; Lectotype ♂ *Hemihyalea euornithia* Dyar By Dyar, 1916; Arctiidae genitalia slide No. AW587."

***Ecpantheria euripides* Dyar**

PLATES 3a; 38a-c

Ecpantheria euripides Dyar, 1912, p. 56.

Forewing 27.5 mm. Front of head iridescent black and turquoise; vertex yellowish white. Thorax iridescent black and turquoise; tegulae and patagia edged with yellowish white. Forewing dark brown and yellowish white (enclosing yellowish orange), Hindwing yellowish orange and brown; orange

anally. Abdomen orange dorsally, with iridescent black and turquoise transverse bars on segment 4 to 7; 8 iridescent black and turquoise; lateral row of iridescent black and turquoise markings; segments 2-7 ventrally iridescent black and turquoise anteriorly, yellowish white posteriorly; 8 as for dorsal surface.

Described from a single male from Mexico.

Holotype ♂: "Mex. Ritchie; Type No. 13851 U.S.N.M.; Arctiidae genitalia slide No. AW454; Holotype ♂ *Ecpantheria euripides* Dyar A.W. 1967."

***Euchaetias expressa* (H. Edwards)**

PLATE 26b

Antarctia expressa H. Edwards, 1884b, p. 60.

Euchaetias expressa (H. Edwards) Hampson, 1901a, pp. 418, 419.

Forewing 17.5 mm. Head, thorax, and forewing greyish brown and yellowish white. Hindwing dark greyish brown. Abdomen missing from type; described by Edwards as "bright rosy red above, with dorsal row of small black spots; dull black beneath."

Described from a single female from Mexico.

Holotype ♀: "Jalapa, Mexico; Collection Brklyn Mus.; Type No. 34167 U.S.N.M.; *Antarctia expressa* Hy. Edw. Type; Holotype ♀ *Antarctia expressa* H. Edwards A.W. 1967."

***Ischnocampa ferrea* Dognin**

PLATES 7e; 48a-c

Ischnocampa ferrea Dognin, 1914, p. 18.

Forewing 23.0 mm. Front of head dark brown; vertex greyish yellow, with broad, dark brown, medial band. Tegulae greyish yellow, each with central dark brown patch. Patagia yellowish brown, with anterior, lateral, and medial patches of dark brown. Rest of thorax yellowish brown, darkest medially. Forewing greyish yellow, the veins dark brown. Hindwing light yellowish grey, becoming darker along outer margin, at apex, and along veins. Abdomen yellowish brown.

Described from a single male from Pacho, Colombia.

Holotype ♂: "Dognin Collection; Pacho, Co-

lomb., Ost Cord 2200 m., Coll. Fassl; Type No. 30384 U.S.N.M.; *Ischnocampa ferrea* Dogn. type ♂ Hmpsn x.1913; Holotype ♂ *Ischnocampa ferrea* Dognin A.W. 1967; Arctiidae genitalia slide No. AW596."

***Amastus ferrera* Schaus**

PLATES 14d; 97d

Amastus ferrera Schaus, 1927, p. 74.

Forewing 24 mm. Head and tegulae dark greyish brown. Patagia light greyish brown, each with darker brown longitudinal stripe. Forewing greyish orange, with greyish brown markings. Hindwing yellowish white, with yellowish grey outer margin. Abdomen brownish grey except for greyish orange medial patch anterodorsally.

A single female type (USNM 33192) from Tucumán, Argentina, is designated in the original description. [There are two males from the type-locality in the USNM collection.]

Holotype ♀: "Type No. 33192 U.S.N.M.; Tucuman, Argentina; Collection Wm Schaus; *Amastus ferrea* Schs type; 92; Holotype ♀ *Amastus ferrea* Schaus A.W. 1967; Arctiidae genitalia slide No. AW545."

***Antarctia fervida* Schaus**

PLATES 30f; 106c

Antarctia fervida Schaus, 1901, p. 269.

Forewing 28.0 mm. Head and thorax greyish orange. Forewing greyish orange, speckled with greyish brown, especially along veins. Hindwing as for forewing but lighter in color. Dorsal surface of abdominal segments 1-6 dark greyish brown, with greyish yellow posterior fringe; segment 7 greyish orange. Ventral surface greyish orange.

Described from an unspecified number of females from Petropolis and Castro, Brazil. A female in the USNM collection from Petropolis (ex Schaus collection) is probably a paralectotype.

Lectotype ♀: "Collection Wm. Schaus; Castro, Parana; Type No. 11130 U.S.N.M.; *Antarctia fervida* Schs. type; Lectotype ♀ *Antarctia fervida* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW524."

***Opharus flavicostata* Dognin**

PLATES 18d; 62d,e

Opharus flavicostata Dognin, 1901b, p. 69.

Forewing 20.5 mm. Head, thorax, and dorsal surface of abdomen light greyish brown. Forewing light greyish brown, with light yellow costal area. Hindwing yellowish white and light greyish brown. Dorsal surface of abdomen light greyish brown; ventral surface yellowish white, with greyish brown tail fringe and greyish brown medial band—broad posteriorly, tapered anteriorly.

Described from a single male from Palmira, Colombia.

Holotype ♂: "Dognin Collection; Type No. 30430 U.S.N.M.; Palmira, Valée du Cauca, Colombia; retour Schs mai 1900 sans nom; *Opharus flavicostata* Dognin type ♂, Hmpson 2/1901; type vu et figuré par Hampson 2/1901; Holotype ♂ *Opharus flavicostata* Dognin A.W. 1967; Arctiidae genitalia slide No. AW600."

***Amastus flavidus* Dognin**

PLATES 13c; 56a,b

Amastus flavidus Dognin, 1912b, p. 10.

Forewing 32.0 mm. Front of head white, except for medial orange patch above labrum, and orange patch (edged with greyish brown) anterior to each antenna; vertex orange. Anterior half of tegulae white; posterior half orange; greyish brown band separates orange and white areas. Patagia orange in middle, edged medially with narrow line of greyish brown, then by broad white fringe tipped with orange-grey; edged laterally by narrow line of greyish brown, then by fringe of white (the latter terminating in orange-white). Rest of thorax orange. Forewing greyish orange, weakly translucent, markings orange-grey, veins brown; some orange scales at base of wing. Hindwing light greyish yellow, translucent except at margins, which are greyish orange. Dorsal surface of abdomen orange; segments 1-8 with black-edged yellowish white triangular lateral patch on each side, the apex of the triangle directed toward middorsal line; segment 8 with pair of black, longitudinal bands on each side of medial line. Ventral surface yellowish

white; segments 3–6 with black-edged, orange spot on each side.

Described from three males and two females from Tochesito, Quindin, and Monte Tolima, Colombia. The two male and two female paralectotypes are in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30393 U.S.N.M.; Monte Tolima, 3200 m., Colomb. Cent. Cord., Coll. Fassl; *Amastus flavidus* Dgn. type ♂; Lectotype ♂ *Amastus flavidus* Dognin By A. Watson, 1967; Arctiidae genitalia slide No. AW609."

***Ecpantheria flavopunctata* Schaus**

PLATES 4d; 90c

Ecpantheria flavopunctata Schaus, 1921, p. 171.

Forewing 28.0 mm. Head greyish brown with orange-yellow transverse line joining antennal bases. Thorax greyish brown, with orange-yellow markings. Forewing greyish brown, with dark greyish brown markings edged with orange-yellow. Hindwing greyish brown, with orange-yellow markings. Abdomen dark greyish brown, with dorsomedial row and lateral row of orange patches on segments 2–6, a lateral longitudinal band on 7 and 8, and pair of orange-yellow spots on ventral surface of segments 2–6.

A single female type (USNM 24918) from Trinidad, Paraguay, is designated in the original description.

Holotype ♀: "July 1920; Trinidad, Paraguay; Collection Wm Schaus; Type No. 24918 U.S.N.M.; *Ecpantheria flavopunctata* Schs type; Holotype ♀ *Ecpantheria flavopunctata* A.W. 1967; Arctiidae genitalia slide No. AW466."

***Amastus formosana* Schaus**

PLATES 15b; 57c,d

Amastus formosana Schaus, 1919, p. 174.

Forewing 31.5 mm. Head greyish brown. Tegulae greyish brown, each with dorsal orange-yellow spot. Patagia greyish brown, each with orange-yellow longitudinal stripe. Forewing greyish brown and light yellow. Hindwing yellowish white; outer margin greyish brown; anal angle faintly reddish.

Abdomen mostly orange-red dorsally, but brownish grey laterally and posteriorly; brownish grey ventrally.

A single male type from El Saltadillo, Argentina, is designated in the original description.

Holotype ♂: "Type No. 22505 U.S.N.M.; El Saltadillo, Argent. Rep., Jorgensen, No. 12; Holotype ♂ *Amastus formosana* Schaus; Arctiidae genitalia slide No. AW542."

***Elysius francki* (Schaus)**

PLATES 19d; 64a,b

Mazaeras francki Schaus, 1896, p. 141.

Elysius francki (Schaus) Hampson, 1901a, p. 108.

Forewing 32.5 mm. Front of head dark brown ventrally, reddish orange dorsally; vertex reddish orange. Tegulae reddish orange, each with central black spot; patagia reddish orange, each with black spot adjacent to costa of forewing and another near posterior margin; rest of thorax reddish orange with black markings. Forewing dark brown, with orange transverse striations; some orange at base, and pastel red area at base of anal margin. Hindwing translucent pastel red, with pastel red anally and along outer margin, and with orange suffusion anteriorly. Abdominal segment 2–7 deep yellow dorsally, with large black medial patch and black lateral patch on each side of segments 2–6; segment 7 with black medial patch; segment 1 orange. Ventral surface of 3–7 light brown, segment 2 orange.

Described from an unspecified number of specimens from São Paulo, Brazil. There are no specimens from the type-locality other than the lectotype in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; São Paulo, S.E. Brazil; Type No. 11060 U.S.N.M.; *Mazaeras franckii* Schs Type; Lectotype ♂ *Mazaeras francki* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW558."

***Euchaetias fumidus* H. Edwards**

[This is a junior synonym of *Euchaetias albicosta* (Walker), 1855, p. 630, teste Hampson, 1901a, p. 419.]

PLATES 26c; 79c,d

Euchaetes fumidus H. Edwards, 1884b, p. 61.

Forewing 18.0 mm. Head dark yellowish brown, with narrow, transverse, orange band at posterior

margin. Thorax dark yellowish brown, with broad, white transverse band across anterior margin of tegulae and patagia; some brownish red scales medially at posterior margin of thorax. Wings dark yellowish brown; hindwing paler than forewing. Dorsal surface of abdomen brownish red, with black, longitudinal, lateral line in each side and with black medial spot at anterior margin of each segment; ventral surface yellowish brown.

Described from an unspecified number of specimens from Mexico. In addition to the type in the USNM collection, there are two males and a female that may represent paralectotypes.

Lectotype ♂: "Collection Brklyn Mus.; Jalapa, Mexico; Ex Typicalibus Speciminibus.; Col. B. Neumögen; *Euchaetes fumidus* Hy. Edw.; Lectotype ♂ *Euchaetias fumidus* H. Edwards By A. Watson, 1967; Arctiidae genitalia slide No. AW483."

Ecpantheria gaujoni Dognin

PLATES 4a; 90a

Ecpantheria gaujoni Dognin, 1889c, p. 210.

Forewing 30.5 mm. Front of head dark brown; vertex white. Thorax white, with black-edged grey markings. Forewing and hindwing greyish white, slightly reddish, with brownish grey bands. Abdomen dark brown dorsally, with white laterally on 1, orange-yellow on 2, and orange-yellow patches on 3-6 and 8; yellowish white ventrally, with lateral and medial longitudinal row of black dots.

Described from two males and four females from Loja, Ecuador. The lectotype alone bears labels "Type No. 30365 U.S.N.M." and "type figuré . . ." No male syntypes could be found in the USNM collection.

Lectotype ♀: "Dognin Collection; Type No. 30365 U.S.N.M.; Loja, Equateur, 6 juillet 86; type figuré avril 1890; Arctiidae genitalia slide No. AW455; Lectotype ♀ *Ecpantheria gaujoni* Dognin. By A. Watson, 1967."

Calidota gemma (Schaus)

PLATES 16e; 99d

Opharus gemma Schaus, 1894, p. 230.

Calidota gemma (Schaus) Forbes, 1939, p. 97.

Forewing 28.5 mm. Front of head dark brown; vertex light greyish yellow, with black posterome-

dial spot. Tegulae light greyish yellow, each with posteromedial black spot; patagia greyish yellow; rest of thorax orange-yellow, with black medial band broadest posteriorly. Forewing greyish yellow, with dark brown markings. Hindwing greyish yellow; translucent proximally. Dorsal surface of abdomen orange-yellow, with dark greyish brown lateral line on each side and broad greyish brown medial line extending from segment 1 to anterior half of segment 7 (this medial line darkest posteriorly); ventral surface dark greyish brown.

Described from an unspecified number of specimens from Aroa, Venezuela. The lectotype is labeled as type. Four females in the USNM collection from the type-locality may represent paralectotypes.

Lectotype ♀: "Collection Wm Schaus; Aroa, Venezuela; Type No. 11125 U.S.N.M.; *Opharus gemma* Schs type; Lectotype ♀ *Opharus gemma* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW510."

Amastus genoveva (Dognin)

PLATES 6c; 90d

Phaegoptera genoveva Dognin, 1901a, p. 31.

Amastus genoveva (Dognin) Hampson, 1901a, p. 509.

Forewing 44.5 mm. Head and thorax orange-yellow. Forewing orange-yellow, scattered with yellowish brown scales; transparent centrally, translucent toward periphery. Hindwing orange-yellow, transparent except near margins of wing. Dorsal surface of abdominal segments 1-6 red, with black lateral line, the latter enclosing, light yellow spots on 3-6 (these spots increasing in size posteriorly); segment 7 light yellow, with black anteromedial area; ventral surface of abdomen light yellow.

Described from two females from Mérida, Venezuela. The paralectotype is in the USNM collection.

Lectotype ♀: "Type No. 30402 U.S.N.M.; Mérida; Dognin Collection; *Phaegoptera genoveva* Dgn type ♀; type figuré par Hampson; 28/2/1901; Lectotype ♀ *Phaegoptera genoveva* Dognin By A. Watson, 1967; Arctiidae genitalia slide No. AW551."

***Calidota gigas* (Dognin)**

PLATES 17c; 61a-c

Opharus gigas Dognin, 1890, p. 176.*Calidota gigas* (Dognin) Hampson, 1901a, pp. 432, 437.

Forewing 37.5 mm. Head dark brown except for orange-yellow spot placed posterior to base of each antenna. Tegulae dark brown. Patagia dark brown proximally, with orange-yellow spot near base; yellowish brown distally. Rest of thorax and forewing yellowish brown; veins darker brown. Hindwing similar in color to forewing but lighter; slightly translucent proximally. Dorsal surface of segment 1 of abdomen light brown; segment 2 light brown medially, dark brown laterally, with ovate orange-yellow spot; segments 3-8 dark brown, with pair of large orange-yellow markings (these markings approximately triangular on segments 3-5, rectangular on 6 and 7, and ovate on 8). Ventral surface light brown.

Described from a single male from Zamora, near Loja [Ecuador].

Holotype ♂: "Dognin Collection; Type No. 30378 U.S.N.M.; Zamora, Equateur; pas chez Druce 9 . . . 89; *Opharus gigas* Dgn. type ♂; type figuré 1894; Holotype ♂ *Opharus gigas* Dognin A.W. 1967; Arctiidae genitalia slide No. AW512."

***Elysius gladysia* Schaus**

PLATES 19a; 63a-c

Elysius gladysia Schaus, 1920, p. 119.

Forewing 32.5 mm. Head, thorax, and forewing orange, speckled with reddish orange; each tegula with central black spot; each patagium with an anterior and a central black spot; darker areas of forewing are greyish orange. Hindwing light orange. Dorsal surface of abdomen reddish orange, with black posterior border to segments 4-7; ventral surface yellowish brown, with orange tail fringe.

A single male type (USNM 22423) from Purulhá, Guatemala, is designated in the original description.

Holotype ♂: "July; Purulha, Guat.; Schaus and Barnes coll.; Type No. 22423 U.S.N.M.; *Elysius gladysia* Schs type; Holotype ♂ *Elysius gladysia* Schaus A.W. 1967; Arctiidae genitalia slide No. AW562."

***Pseudopharus hades* Dognin**

PLATES 18e; 101d

Pseudopharus hades Dognin, 1909, p. 221.

Forewing 25.0 mm. Head iridescent, very dark greyish brown, blue, and green, with slightly iridescent white and bluish white medial patch on vertex. Patagia each with anterolateral iridescent pale blue and white patch. Further iridescent pale blue and white patch placed medially at posterior margin of thorax. Forewing slightly iridescent greyish brown and dull violet, with some basal iridescent pale violet and dull violet scales. Hindwing translucent in and just posterior to cell; otherwise dark brown. Dorsal surface of abdominal segment 1 black; segment 2 black medially, orange-yellow laterally; remaining segments orange-yellow anteriorly, black posteriorly; ventral surface of abdomen black.

Described from a single female from San Antonio, Colombia.

Holotype ♀: "Dognin Collection; Colombie, Fassel; Type No. 30409 U.S.N.M.; 1800, 16/8.08 St. Antonio; *Pseudopharus hades* Dogn. type ♀ Hmpsn 2.09; Holotype ♀ *Pseudopharus hades* Dognin A.W. 1967; Arctiidae genitalia slide No. AW581."

***Calidota hadesia* Schaus**

PLATES 17e; 100d

Calidota hadesia Schaus, 1927, p. 76.

Forewing 35.0 mm. Head black except for two orange spots, one posterior to each antenna. Thorax black, with orange patagial spot. Forewing very dark greyish brown. Hindwing white and greyish brown. Abdomen dark greyish brown dorsally; segments 2-7 with orange-yellow marking on each side (those on 2-4 large, those on 5-7 about one-third this size); ventral surface greyish brown, with large orange-yellow markings on each side of 3-7.

A single female (USNM 33196) from Molinas, Paraguay, is designated in the original description.

Holotype ♀: "Dec. 1925; Molinas, Paraguay; F. Shade Coll.; Type No. 33196 U.S.N.M.; *Calidota hadesia* Schs type; Holotype ♀ *Calidota hadesia* Schaus A.W. 1967; Arctiidae genitalia slide No. AW514."

Pygarctia elegans haematodes Dyar

PLATES 28a; 84a,b

Pygarctia elegans haematodes Dyar, 1921, p. 59.

Forewing 19.0 mm. Head orange (slightly reddish), with small, white medial patch at posterior margin of vertex. Thorax worn, at least partly white. Wings white. Segments 1–7 of abdomen greyish yellow dorsally, each segment suffused with greyish orange posteriorly and laterally, and with black medial patch anteriorly. Segment 8 greyish orange. Ventral surface of abdomen pale yellow, with some white scales posteriorly on segment 8, anteriorly on segment 1 and laterally in band, tapering from segment 1 to 4 on each side.

A single male type from Orizaba, Mexico, is designated in the original description, together with four male and four female paratypes from Mexico, Honduras, Costa Rica, and Guatemala.

Holotype ♂: "Orizaba, Mex.; Collection Wm Schaus; Type No. 24019 U.S.N.M.; *Pygarctia elegans haematodes* Dyar type; Holotype ♂ *Pygarctia elegans haematodes* Dyar A.W. 1967; Arctiidae genitalia slide No. AW477."

Mannina hagnoleuca Dyar

PLATES 24f; 104a,b

Mannina hagnoleuca Dyar, 1916, p. 8.

Forewing 23.0 mm. Head deep yellow. Thorax white. Forewing white, with dark brown markings and dark brown along proximal part of costa. Hindwing white. Abdomen dorsally light grey (darkest anteriorly on each segment and at lateral margin); tail fringe deep yellow. Ventral abdominal surface orange-yellow except for light grey segment 2.

Described from a single female (USNM 18834) from Guerrero Mill, Hidalgo, Mexico. Not mentioned in the original description, but present in the USNM collection, are eleven examples with locality data identical to those of the holotype.

Holotype ♀: "Guerrero Mill, Hidalgo, Mexico. Alt. 9000ft., Mann & Skewes; Type No. 18834 U.S.N.M.; Gift of B.P. Clark; *Mannina hagnoleuca* Dyar type; Holotype ♀ *Mannina hagnoleuca* Dyar A.W. 1967; Arctiidae genitalia slide No. AW540."

Ecpantheria hambletoni Schaus

PLATES 2d; 36d–f

Ecpantheria hambletoni Schaus, 1938, p. 504.

Forewing 27.5 mm. Head, thorax, and abdomen stained; described by Schaus as "Head white, collar and thorax pale smoke-grey with fine black dorsal line and similar lines subdorsally and laterally on patagia. Abdomen dorsally indulin-blue, underneath white." Forewing translucent white, with black marginal spots and black-edged grey markings. Hindwing white; translucent except at anal margin.

Described from an unspecified number of specimens of both sexes from Campinas, São Paulo, Brazil. The lectotype alone bears labels "Type No. 34723 U.S.N.M." and ". . . Type". A Hambleton specimen from the type-locality, collected on 10.iv.1937, is probably a paralectotype.

Lectotype ♂: "55; Campinas, São Paulo, Brasil, 14.iv.1937, E.J. Hambleton; Type No. 34723 U.S.N.M.; *Ecpantheria hambletoni* Schs. Type; Arctiidae genitalia slide No. AW451; Lectotype ♂ *Ecpantheria hambletoni* Schaus By A. Watson, 1967."

Ecpantheria hebona Dognin

[This is a junior synonym of *Turuptiona neurophylla* Walker, 1856, p. 1710, teste Hampson, 1901a, p. 426.]

PLATES 3b; 38d,e

Ecpantheria hebona Dognin, 1891a, p. 125.

Forewing 25.0 mm. Front of head black, vertex greyish yellow. Tegulae greyish yellow; rest of thorax black and yellowish white. Forewing yellowish white, black, and greyish yellow. Hindwing yellowish white, with light yellow anally and with two black anal spots. Dorsal surface of abdomen dark greyish brown, dark area narrow anteriorly, bordered laterally by orange, with lateral greyish brown spots on each side of segments 3–6; ventral surface light orange, with pair of longitudinal greyish brown bands.

Described from three males and three females from Loja [Ecuador]. A male and two females in the USNM collection from the type-locality, labeled "type" are paralectotypes.

Lectotype ♂: "Dognin Collection; Type No. 30374 U.S.N.M.; Environs de Loja, Equateur, 1890 ♂; *Ecpantheria hebona* ♂; type figuré 1894; Lectotype ♂ *Ecpantheria hebona* Dognin By A. Watson, 1967; Arctiidae genitalia slide No. AW489."

***Hemihyalea rhoda hidalgonis* Dyar**

[This is a junior synonym of *Pseudohemihyalea rhoda* (Druce), 1894, p. 173, teste Rego-Barros, 1956a, p. 35.]

PLATES 8b; 48d,e

Hemihyalea rhoda hidalgonis Dyar, 1916, p. 7.

Forewing 28.0 mm. Head and thorax greyish yellow. Forewing transparent; markings greyish yellow and pale yellow. Hindwing transparent except for pale orange anal area; markings greyish yellow and pale yellow. Dorsal surface of abdomen greyish orange except for pale yellow segment 1 and pale yellow laterally on segments 2-7 and posteriorly on 8; ventrally pale yellow.

A single male (USNM 18832) from Guerrero Mill, Hidalgo, Mexico, is designated in the original description. These are two females from the type-locality in the USNM collection.

Holotype ♂: "B.P. Clark, donor; Type No. 18832 U.S.N.M.; Guerrero Mill, Hidalgo, Mexico, Alt. 9000ft., Mann & Skewes; subsp. *hidalgonis* Dyar type; Holotype ♂ *Hemihyalea rhoda hidalgonis* Dyar A.W. 1967; Arctiidae genitalia slide No. AW588."

***Antarctia honora* (Schaus)**

PLATES 28c; 105b,c

Motada honora Schaus, 1896, p. 142.

Antarctia honora (Schaus) Hampson, 1901a, pp. 445, 446.

Forewing 23.0 mm. Head dark brown. Tegulae dark brown, with orange-yellow posterior margin. Patagia dark brown, edged posteriorly and medially with orange-yellow; rest of thorax damaged, but at least partly orange-yellow. Forewing brown except for light brown at base of anal margin. Hindwing mostly light brown; base light yellow. Dorsal surface of abdomen orange-yellow, with greyish brown, medial transverse band on segments 2-6, partly obscured by orange-yellow fringe of

preceding segment; ventral surface greyish brown except for orange-yellow tail fringe.

Described from an unspecified number of females from Castro, Paraná, [Brazil]. Four females in the USNM collection from the type-locality (ex Schaus collection) are probably paralectotypes.

Lectotype ♀: "Collection Wm. Schaus; Castro, Parana; Type No. 11129 U.S.N.M.; *Motada honora* Schs. Type; Lectotype ♀ *Motada honora* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW523."

***Ischnocampa huigra* Schaus**

PLATES 11a; 94c

Ischnocampa huigra Schaus, 1933, p. 574.

Forewing 20.0 mm. Head yellowish white, with short, black longitudinal middorsal dash. Thorax yellowish white, with black longitudinal middorsal dash anteriorly. Wings yellowish white, with greyish brown markings. Abdomen yellowish white except for yellowish brown dorsomedial area, black spot on each side of tergites 2-7 and on each side of sternites 2 and 3.

A single female type (USNM 34411) from Huigra, Ecuador, is designated in the original description.

Holotype ♀: "Huigra, Ecuador; Type No. 34411 U.S.N.M.; *Ischnocampa huigra* Schs Type; Holotype ♀ *Ischnocampa huigra* Schaus A.W. 1967; Arctiidae genitalia slide No. AW602."

***Hemihyalea hyalina* (Dognin)**

PLATES 5b; 43a,b

Phaegoptera hyalina Dognin, 1889a, p. 14.

Hemihyalea hyalina (Dognin) Hampson, 1901a, pp. 130, 133.

Forewing 32.5 mm. Head very light greyish yellow, with orange-red posterior margin. Anterior half of tegulae very light greyish yellow; posterior half orange. Patagia very light greyish yellow, with central, longitudinal orange band. Rest of thorax not obscured by patagia orange-red, with very light greyish yellow transverse posterior band. Forewing light greyish yellow at base, along distal part of costa, outer margin, and in anal area; re-

mainder unscaled. Hindwing very sparsely scaled with light greyish yellow. Abdomen very light greyish yellow—lightest anterodorsally, darkest ventrally.

Described from a single example from San Francisco, near Loja, Ecuador.

Holotype ♂: "Dognin Collection; Type No. 30425 U.S.N.M.; Monte Tolima, 3200 m., Colomb. Cent. Cord, Coll. Fassl; *Amastus hyalina* Dgn. ♂; Holotype ♂ *Phaegoptera hyalina* Dognin A.W. 1967; Arctiidae genitalia slide No. AW605."

Ischnocampa ignava Dognin

PLATES 11b; 94d

Ischnocampa ignava Dognin, 1912a, p. 129.

Forewing 26.5 mm. Front of head greyish brown, vertex greyish yellow. Thorax and wings greyish yellow, the wings with greyish brown markings. Hindwing translucent white; outer margin pale yellow; cell markings greyish brown. Abdomen greyish brown dorsally, light yellow laterally, with black lateral spots on each segment; ventral surface light yellow, with black longitudinal stripe extending along segments 2 and 3 on each side.

Described from a single female from Tochesito, Quindin, Colombia. Other than the lectotype there are no specimens from the type-locality in the USNM collection.

Holotype ♀: "Dognin Collection; Type No. 30382 U.S.N.M.; Tochesito, Quindiu [sic], Colombia, 3,000 mètres; ♀ of *Ischnoc. celer* Schs.?; 9.09 Tochesito, Quindiu, 3,000 m.; *Ischnocampa ignava* Dogn. type ♀, Hmpn. 5/1/12; Holotype ♀ *Ischnocampa ignava* Dognin A.W. 1967; Arctiidae genitalia slide No. AW584."

Elysius insulsa Dognin

PLATES 20e; 103c

Elysius insulsa Dognin, 1902, p. 232.

Elysius insula [sic] Dognin.—Hampson, 1920, p. 230. [An incorrect subsequent spelling of *insulsa* Dognin.]

Forewing 29.0 mm. Front of head greyish yellow; vertex yellowish white. Thorax and wings greyish yellow. Proximal half of hindwing weakly translucent. Abdomen greyish yellow.

Described from a single female from Loja, Ecuador.

Holotype ♀: "Not in B.M.; Dognin collection; Type No. 30388 U.S.N.M.; Vu Hmpsn. Août 05; Environs de Loja, Equateur, 87; *Elysius insulsa* Dgn. type ♀; *Elysius* n.sp. Hmpsn 15/2/02; Holotype ♀ *Elysius insulsa* Dognin A.W. 1967; Arctiidae genitalia slide No. AW573."

Ecpantheria jaguarina Schaus

PLATES 1c; 33a-c

Ecpantheria jaguarina Schaus, 1921, p. 170.

Forewing 34.5 mm. Palp yellowish white ventrally, iridescent blue and black dorsally; front of head iridescent blue and black, vertex yellowish white. Thorax and wings yellowish white, with black-edged greyish yellow markings; hindwing with dark greyish brown basal streak. Dorsal surface of abdomen dark greyish brown anteriorly, black posteriorly, with orange lateral stripe extending from segment 2 to posterior end of abdomen; ventral surface pale yellow, segment 3 with large medial black marking, 4 and 6 with small black spot, 7 with one medial and pair of lateral patches, 8 with pair of apposed medial patches.

A single male type (USNM 24917) from Joinville, Brazil, is designated in the original description.

Holotype ♂: "Collection Wm Schaus; 412; Type No. 24917 U.S.N.M.; . . . J'ville, Electricitätswerk, . . . ; *Ecpantheria jaguarina* Schs type; Holotype ♂ *Ecpantheria jaguarina* Schaus A.W. 1967; Arctiidae genitalia slide No. AW462."

Euchaetias expressa jalapa Strand

PLATES 25d; 78d,e

Euchaetias expressa jalapa Strand, 1919, p. 301.

Forewing 17.5 mm. Head olive brown except for orange patch posterior to each antenna. Tegulae olive brown; patagia very light yellowish grey, rest of thorax worn. Wings light yellowish grey. Abdomen orange dorsally, with black anteromedial spot and pair of lateral spots on each segment; ventrally greyish yellow, with orange tail fringe.

The name *jalapa* was applied to "Subsp. 1" of Hampson, 1901a:419, described by Hampson as

from "MEXICO, Oaxaca, Jalapa, in Coll. Schaus." There is a female paralectotype in the USNM collection, bearing a red type-label: "Paratype No. 14962 U.S.N.M."

Lectotype ♂: "Jalapa Mex.; Paratype No. 14462 U.S.N.M.; Lectotype No. 34853 U.S.N.M.; Collection Wm Schaus; Lectotype ♂ *Euchaetias expressa jalapa* Strand By A. Watson, 1967; Arctiidae genitalia slide No. AW541."

Mazaeras janeira (Schaus)

PLATES 18a; 62a-c

Sychesia janeira Schaus, 1892, p. 280.

Mazaeras janeira (Schaus) Hampson, 1901a, pp. 441, 442.

Forewing 27.5 mm. Head greyish brown, with deep yellow spot anterior and posterior to each antenna. Scape of antenna orange-yellow. Thorax brownish orange, with deep yellow medial margin to each tegula. Forewing light brown, with deep yellow veins and transverse striations. Hindwing yellowish white and greyish brown. Dorsal surface of abdomen deep yellow; segment 2 with greyish brown medial patch; segment 3 with greyish brown transverse medial band; segment 4 with a trilobate, greyish brown medial patch; segments 5-7 with greyish brown medial spot and pair of lateral spots; 2-8 with greyish brown marking at lateral border of each segment; tail fringe greyish brown; ventral surface of abdomen yellowish brown.

Described from an unspecified number of males and females from "Rio Janeiro," Brazil. A female labeled "type ♀", and two males in the USNM collection probably represent paralectotypes.

Lectotype ♂: "Collection Wm. Schaus; Rio Janeiro; Type No. 11127 U.S.N.M.; *Sychesia janeira* Schs. Type ♂; Lectotype ♂ *Sychesia janeira* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW517."

Amastus jeritzae Schaus

PLATES 12c; 95c

Amastus jeritzae Schaus, 1933, p. 575.

Forewing 37.0 mm. Head, tegulae, and patagia greyish orange. That part of thorax not obscured by patagia greyish red. Forewing greyish orange.

Hindwing yellowish white, with pastel red anal suffusion. Dorsal surface of abdominal segments 1-4 greyish red; 5 and 6 greyish orange; 7 greyish orange anteriorly, yellowish white posteriorly; pleural region yellowish white; ventral surface of abdomen greyish orange.

A single female type (USNM 34410) from Incachaca, Bolivia, is designated in the original description.

Holotype ♀: "Incachaca, Cochabamba, Bolivia, J. Steinbach; Collection Wm Schaus; Type No. 34410 U.S.N.M.; *Amastus jeritzae* Schs type; Holotype ♀ *Amastus jeritzae* Schaus A.W. 1967; Arctiidae genitalia slide No. AW616."

Tessella jorgenseni (Schaus)

PLATES 22b; 103d

Tessellota jorgenseni Schaus, 1921, p. 172.

Tessella jorgenseni (Schaus) Breyer, 1956, p. 14.

Forewing 16.5 mm. Front of head greyish orange, vertex white. Thorax mostly white (worn posteriorly). Forewing greyish orange-white and yellowish white. Hindwing white and greyish orange. Segments 1-6 of abdomen orange-yellow dorsally; 1-6 with black medial patch; 2-6 with black lateral patch on each side; segment 7 orange-yellow anteriorly, with black medial patch, yellowish white posteriorly; segment 8 yellowish-white. Ventral surface of abdomen yellowish white.

A single female type (USNM 24919) from Trinidad, Paraguay, is designated in the original description.

Holotype ♀: "July 10, 20; Trinidad; Paraguay, S. America; C. Jorgensen Coll.; Type No. 24919 U.S.N.M.; *Tessellota jorgenseni* Schs type; xl 2184a *Halisidota*; Holotype ♀ *Tessellota jorgenseni* Schaus A.W. 1967; Arctiidae genitalia slide No. AW494."

Calidota leucocorypha Dognin

PLATES 17f; 101a

Calidota leucocorypha Dognin, 1914, p. 18.

Forewing 39.0 mm. Front of head dark greyish brown, vertex pale yellow. Thorax dark greyish brown (darkest anteriorly). Forewing yellowish

brown; veins darker brown. Hindwing yellowish brown and yellowish white. Dorsal surface of segment 1 dark greyish brown; segments 2 and 3 dark greyish brown, with pair of lateral, ovate, yellow spots on 2, and larger triangular yellow markings on each side of 3; segments 4–7 nearly black, with paired yellow markings covering most of each segment (markings triangular on 4 and 7, rectangular on 5 and 6). Ventral surface of abdomen brown except for small orange-yellow patch placed anterolaterally on each side of segment 7.

Described from a single female from Yahuarmayo, Peru.

Holotype ♀: "Dognin Collection; Type No. 30391 U.S.N.M.; Yahuarmayo, Peru, 1200 ft., April 1912; *Calidota leucocorypha* Dogn. type ♀, Hmps. 15.1.14; Holotype ♀ *Calidota leucocorypha* Dognin A.W. 1967; Arctiidae genitalia slide No. AW513."

Opharus linus Druce

PLATES 18c; 101c

Opharus linus Druce, 1897, p. 382.

Forewing 24.0 mm. Front of head discolored, vertex pale orange. Tegulae pale orange, with orange anterior margin. Patagia greyish brown, with pale yellow dorsolateral fringe. Forewing light greyish brown. Hindwing very light greyish brown. Dorsal surface of abdomen light greyish brown medially (except for posterior part of segment 7, which is pale orange), pale orange laterally; ventral surface light greyish brown, with pale yellow tail fringe.

Described from a single specimen from Jalapa, Mexico.

Holotype ♀: "Collection Wm. Schaus; Jalapa, Mex.; Type No. 34643 U.S.N.M.; *Opharus linus* Druce Type coll. Schaus; Holotype ♀ *Opharus linus* Druce A.W. 1967; Arctiidae genitalia slide No. AW595."

Ischnocampa lugubris (Schaus)

PLATES 11c; 95a

Opharus lugubris Schaus, 1892, p. 282.

Ischnocampa lugubris (Schaus) Hampson, 1901a, pp. 114, 116.

Forewing 29.5 mm. Front of head yellowish grey, with greyish white dorsally; vertex yellowish grey,

with greyish white anteriorly. Tegulae a mixture of yellowish grey and greyish white; patagia yellowish white, with yellowish grey fringes and at anterior margin. Forewing greyish white, speckled with yellowish grey especially strongly in area distal to cell and at apex; weakly translucent at middle. Hindwing translucent greyish white. Dorsal surface of abdomen yellowish grey medially, light grey laterally; ventral surface light grey laterally, yellowish grey (2 and 4–7) and brown (3) medially.

Described from an unspecified number of examples from Petropolis, Brazil. The lectotype is the only specimen from the type-locality in the USNM collection.

Lectotype ♀; "Collection Wm. Schaus; Petropolis, Brazil; Type No. 11067 U.S.N.M.; *Opharus lugubris* Schs Type; Lectotype ♀ *Opharus lugubris* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW591."

Elysius macasia Schaus

PLATES 19c; 63d,e

Elysius macasia Schaus, 1924, p. 34.

Forewing 32.0 mm. Vertex of head and front immediately anterior to antennae reddish orange; remainder of front orange medially, greyish brown laterally. Tegulae reddish orange, with small greyish brown spot in middle; rest of thorax reddish orange, greyish brown, and orange. Forewing light brown, with reddish orange and orange-yellow markings; base of anal margin pastel red. Hindwing translucent orange-white, with pastel red margins and anal area. Dorsal surface of abdominal segments 1 and 2 orange medially, deep yellow laterally; segments 3–7 deep yellow, with conspicuous, black medial patch and black lateral patch on each side; segment 8 with black anteromedial patch; ventral surface of abdomen greyish orange.

A single male type (USNM 26326) from Macas, Ecuador, is designated in the original description.

Holotype ♂: "Collection Wm. Schaus; Macas, Ecuador; Type No. 26326 U.S.N.M.; *Elysius macasia* Schs. type; Holotype ♂ *Elysius macasia* Schaus A.W. 1967; Arctiidae genitalia slide No. AW563."

***Ischnocampa mamona* (Dognin)**

PLATES 10f; 53c,d

Theages mamona Dognin, 1892, p. 144.*Ischnocampa mamona* (Dognin) Hampson, 1901a, p. 115.

Forewing 22.5 mm. Head and thorax greyish yellow. Forewing greyish yellow, with greyish brown markings. Hindwing brownish white, with light greyish brown distally. Abdomen yellowish light brown except for orange-yellow tail fringe.

Described from one male and one female from near Loja [Ecuador]. The female paralectotype is in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30379 U.S.N.M.; Environs de Loja, Equateur, 1890, ♂; *Theages mamona* ♂; type figuré, 1894; Lectotype ♂ *Theages mamona* By A. Watson 1967; Arctiidae genitalia slide No. AW577."

***Antarctia marcona* Schaus**

PLATES 30b; 86a,b

Antarctia marcona Schaus, 1933, p. 587.

Forewing 20.0 mm. Head, thorax, and forewing light greyish brown. Hindwing yellowish white and light greyish brown. Abdomen greyish yellow.

A single male (USNM 34448) from Castro, Paraná, Brazil, is designated in the original description.

Holotype ♂: "Collection Wm. Schaus; Castro, Parana; Type No. 34448 U.S.N.M.; *Antarctia marcona* Schs type; Holotype ♂ *Antarctia marcona* Schaus A.W. 1967; Arctiidae genitalia slide No. AW526."

***Halisidota margona* Schaus**

PLATES 9d; 93d

Halisidota margona Schaus, 1896, p. 139.

Forewing 29.0 mm. Head and tegulae orange-yellow. Patagia orange-yellow, with greyish orange dorsolateral fringe. Rest of thorax orange-yellow. Forewing orange-yellow, with greyish brown markings. Hindwing yellowish white, darkest anally and at outer margin. Abdomen dissected previ-

ously; described as "chrome yellow" in the original description.

Described from an unspecified number of specimens from Jalapa, Mexico. Apart from the lectotype, there is a single female from "Mexico" in the USNM collection.

Lectotype ♀: "Collection Wm Schaus; Jalapa, Mex.; *Halisidota margona* Schs type; Type No. 11083 U.S.N.M.; ♀ genitalia prep. W.D.F. 480 C.B.K., IV.1960; Lectotype ♂ *Halisidota margona* Schaus By A Watson 1967; Arctiidae genitalia slide No AW628."

***Amastus medica* (Dognin)**

PLATES 7b; 91c

Phaegoptera medica Dognin, 1891b, p. 242.*Amastus medica* (Dognin) Hampson, 1901a, p. 138.

Forewing 36.0 mm. Head dark greyish brown, with greyish red posterior band. Tegulae golden yellow dorsally, greyish brown laterally. Patagia golden yellow. Rest of thorax greyish red. Forewing greyish brown, with indistinct dark greyish brown and light brown fasciae. Dorsal surface of abdomen greyish red anteriorly and at posterior margin of segments 5 and 6; rest of dorsal surface dark greyish brown. Abdomen dark greyish brown ventrally.

Described from a single female from near Loja [Ecuador].

Holotype ♀: "Environs de Loja, Equateur, 1890; Type No. 30395 U.S.N.M.; Dognin Collection; *Lophocampa medica* Dgn ♀ type; type figuré 1894; Holotype ♀ *Lophocampa medica* Dognin A.W. 1967; Arctiidae genitalia slide No. AW543."

***Ardonipsa melas* Dyar**

[This is a junior synonym of *Stenucha dolens* (Druce) 1897, p. 360, teste Seitz, 1921, p. 337.]

PLATES 27e; 83c,d

Ardonipsa melas Dyar, 1912, p. 50.

Forewing 14.5 mm. Head and thorax lustrous olive brown. Forewing olive brown. Hindwing iridescent turquoise, greyish brown, and deep green. Abdomen missing from type: dissected by W.D. Field (slide no. 1473 W.D.F.). The original de-

scription is as follows: "Forewing dull black; hindwing and body blue-black. Beneath black, with a greenish blue reflection, stronger than above. Expanse 26 mm."

Described from a single male (USNM 13953) from Cuernavaca, Mexico.

Holotype ♂: "July '06; Cuernavaca, Mex; Collection Wm Schaus; 13953 [red label]; *Ardonipsa* n.g. *melas* Dyar Type; ♂ genitalia slide 1473 W.D.F. 28.V.41; Holotype ♂ *Ardonipsa melas* Dyar A.W. 1967."

Hemihyalea melas (Dognin)

PLATES 8f; 93c

Opharus melas Dognin, 1902, p. 232.

Hemihyalea melas (Dognin) Dyar, 1913b, p. 642.

Forewing 35.0 mm. Head and thorax dark brown. Forewings dark brown, translucent except along distal half of costal area, at apex, and in broad outer marginal band, and in anal area. Hindwing orange-grey; translucent except at margins. Abdomen entirely dark greyish brown.

Described from a single female from Popayán, Colombia.

Holotype ♀: "Dognin Collection; Type No. 30410 U.S.N.M.; not in B.M.; Popayan, Colombie, 1895; *Opharus* sp. Hmpsn 15/2/02; vu Hmpson, août 05; *Opharus melas* Dgn. type ♀; Holotype ♀ *Opharus melas* Dognin A.W. 1967; Arctiidae genitalia slide No. AW582."

Palaeomolis metacauta Dognin

PLATES 23a; 72a,b

Palaeomolis metacauta Dognin, 1910, p. 11.

Forewing 18.5 mm. Front of head dark brown, vertex light brown. Thorax brown. Forewing yellow-brown basally and distal to postmedial fascia, costa brownish orange, otherwise brown; markings very dark brown. Hindwing orange, with yellowish brown cell-spot and fringe. Abdomen orange.

Described from several males from localities in Colombia. A male from Alto de las Cruces and three males from San Antonio, all labeled "cotype," are paralectotypes.

Lectotype ♂: "Type No. 30373 U.S.N.M.; Co-

lombie, Fassel; Dognin Collection; Villa Elvira, 1800>9 7th08, près Cali, Colombie; 9/9.08 Villa Elvira 1800 (57); *Palaeomolis metacauta* Dogn type ♂; not in B.M., Hmpsn., 1/10; Lectotype ♂ *Palaeomolis metacauta* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW476."

Chlorhoda metamelaena Dognin

PLATES 23b; 72c,d

Chlorhoda metamelaena Dognin, 1913, p. 4.

Forewing 14.0 mm. Head greyish green. Thorax greyish green; patagia edged with orange-red. Forewing greyish green; costa orange; markings black. Hindwing black and orange-red. Abdomen red dorsally, light orange ventrally.

Described from a single male from Cañon del Tolima, Colombia.

Holotype ♂: "Dognin Collection; Type No. 30372 U.S.N.M.; Canon del Tolima, Colomb. Cent. Cord., 1700 m., Coll. Fossil; *Chlorhoda metamelaena* Dogn. type ♂, Hmpsn 2.13; Holotype ♂ *Chlorhoda metamelaena* Dognin A.W. 1967; Arctiidae genitalia slide No. AW475."

Hypomolis metarhoda Dognin

PLATES 23f; 74d-f

Hypomolis metarhoda Dognin, 1910, p. 11.

Forewing 18.0 mm. Front of head brownish orange; vertex pale yellow. Tegulae pale yellow, edged posteriorly with yellowish brown. Patagia pale yellow, edged medially with yellowish brown and brownish orange. Forewing pale yellow, with yellowish brown and dark brown (nearly black) markings; costa reddish orange. Hindwing yellow, suffused with greyish orange. Abdomen greyish orange, palest anterodorsally.

Described from two males from near Loja, Ecuador. The paralectotype, in the USNM collection, was labeled "cotype."

Lectotype ♂: "Dognin Collection; Type No. 30369 U.S.N.M.; Environs de Loja, Equateur, 1890; *Hypomolis metarhoda* Dogn. type ♂, You sent me ♂, ♀ of this species as *H. rubricosta* Hmpson 1:10; Lectotype ♂ *Hypomolis metarhoda* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW474."

***Ectypia mexicana* (Dognin), new combination**

PLATES 24d; 76c,d

Euverna mexicana Dognin, 1911b, p. 16.

Forewing 20.0 mm. Head white except for single, medial, black spot at posterior margin of vertex. Patagia with longitudinal, black stripe, edged ventrolaterally with light yellow; rest of thorax white. Forewing black and white. Hindwing white. Abdomen rather worn dorsally, but chiefly light yellow (each segment edged posteriorly with white), with white lateral band on each side and a lateral dark brown marking on segment 4; ventral surface also worn, but segment 5 white, with transverse medial light greyish yellow band; segments 6 and 7 greyish yellow medially, white laterally; segment 8 with white medial spot, bordered laterally by pair of greyish yellow patches, and white laterally.

Described from a single male from Mexico.

Holotype ♂: "Dognin Collection; Type No. 30442 U.S.N.M.; Mexico; *Euverna mexicana* Dogn. type ♂, Hmpsn 6.11; Holotype ♂ *Euverna mexicana* Dognin A.W. 1967; Arctiidae genitalia slide No. AW539."

***Hypomolis minca* Schaus**

[This is a junior synonym of *Stenucha dolens* (Druce), 1897, p. 360, teste Hampson, 1920, p. 490.]

PLATES 27d; 83a,b

Hypomolis minca Schaus, 1905, p. 227.

Forewing 16.5 mm. Head and thorax iridescent blue and black. Forewing greyish yellow. Hindwing iridescent blue and greyish brown. Abdomen lustrous dark greyish brown, with slight bluish green iridescence dorsally.

A single type-specimen (USNM 8625) from Oaxaca, Mexico, is designated in the original description.

Holotype ♂: "Collection Wm. Schaus; Oaxaca, Mex.; Type No. 8625 U.S.N.M.; *Hypomolis minca* Schs. Type; Holotype ♂ *Hypomolis minca* Schaus A.W. 1967; Arctiidae genitalia slide No. AW535."

***Amastus minerva* (Dognin)**

PLATES 15d; 98c,d

Phaegoptera minerva Dognin, 1891b, p. 242.*Amastus minerva* (Dognin) Kirby, 1892, p. 907.

Forewing 36.00 mm. Front of head orange-grey, with black-edged orange spot anterior to each an-

tenna; anterior half of vertex orange-white, posterior half orange, with black spot posteromedial to each antenna. Tegula orange, with two black-edged white markings (medial marking larger); patagia orange medially, edged by successive bands of black, yellowish white, and orange-grey; rest of thorax brownish orange. Forewing white, marked with brown, and distal to posteromedial fascia with brownish orange. Hindwing yellowish white, translucent except at margins; outer margin brown; fringe yellowish white, nearly white. Dorsal surface of abdomen orange, with black lateral line on each side; segments 3-7 with black-edged triangular marking immediately medial to lateral line, the apex of the triangle directed toward midline of abdomen. Ventral surface of abdomen white; segments 2-5 with black-edged orange patches, one on either side of midventral line; segment 6 with pair of black patches.

Described from a single female from Loja [Ecuador].

Holotype ♀: "Dognin Collection; Type No. 30394 U.S.N.M.; Environs de Loja, Equateur 1890; type figuré, 1894; *Phaegoptera minerva* Dgn. ♀ (type); Holotype ♂ *Phaegoptera minerva* Dognin A.W. 1967; Arctiidae genitalia slide No. AW607."

***Euchaetias mitis* Schaus**

PLATES 26f; 81a,b

Euchaetes [sic] *mitis* Schaus, 1910, p. 407.

Forewing 18.0 mm. Head and thorax yellowish grey; head with narrow, reddish orange, transverse posterior band. Forewing mottled yellowish white and light greyish yellow. Hindwing yellowish white. Dorsal surface of abdomen reddish orange, with black medial patch at anterior margin of segments 1-8, black lateral patch at anterior margin of segments 2-8 and pale yellow longitudinal band at extreme lateral margin of each tergum. Ventral surface of abdomen pale yellow, with reddish orange tail fringe.

Described from an unspecified number of both sexes from "Juan Vinas, El Sitio," Costa Rica. There is a female paralectotype in the USNM collection, from Sitio, labeled "type."

Lectotype ♂: "Juan Vinas, C.R.; June; Collection Wm Schaus; Type No. 16930 U.S.N.M.; *mitis*

Schs = subsp 2 *expressa*; *Euchaetes mitis* Schs type; Lectotype ♂ *Euchaetes mitis* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW487."

Calidota momis Dyar

PLATES 16f; 60c,d

Calidota momis Dyar, 1912, p. 55.

Forewing 23.5 mm. Front of head greyish brown; vertex greyish yellow, with black posteromedial spot. Tegulae greyish yellow, each with black spot posteromedially; patagia greyish yellow; rest of thorax greyish yellow, with black posteromedial spot and black anteromedial spot. Forewing greyish yellow, with black basal spot and greyish brown spots at end of cell. Hindwing greyish yellow; translucent proximally. Dorsal surface of abdomen orange yellow; segments 2–8 black laterally, segments 2 and 3 light greyish brown medially, segments 4–8 with black anteromedial patch; ventral surface olive brown.

Described from a male (USNM 13848) from Jalapa, Mexico, and a female (paralectotype) from Misantla, Mexico.

Lectotype ♂: "Collection Wm. Schaus; Jalapa, Mexico; Type No. 13848 U.S.N.M.; *gemma* Schs; *Calidota moma* Dyar type; Lectotype ♂ *Calidota momis* Dyar By A. Watson 1967; Arctiidae genitalia slide No. AW507."

Calidota morosa (Schaus)

PLATES 17d; 61d,e

Opharus morosus Schaus, 1892, p. 282.

Calidota morosa (Schaus) Hampson, 1901a, pp. 432, 438.

Forewing 23.0 mm. Head and thorax greyish yellow. Forewing greyish yellow, with olive brown markings. Hindwing translucent proximally and greyish yellow distally. Dorsal surface of abdomen greyish yellow anteriorly (this area of color tapering posteriorly to segment 4 and continued as medial, longitudinal line to 8), otherwise yellowish white except for greyish yellow posterior margin to each segment; ventral surface yellowish white.

Described from an unspecified number of specimens from Peru. Apart from the lectotype, there is a single male from Peru in the USNM collection which may represent a paralectotype.

Lectotype ♂: "Collection Wm Schaus; Peru; Type No. 11126 U.S.N.M.; *Opharus morosus* Schs. Type; Lectotype ♂ *Opharus morosus* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW516."

Hypidota neurias Schaus

PLATES 24a; 75a,b

Hypidota neurias Schaus, 1904, p. 137.

Forewing 21.5 mm. Head greyish yellow. Tegulae and anterior half of patagia greyish yellow; rest of thorax yellowish white. Forewing yellowish white; hindwing slightly lighter in color. Dorsal surface of abdomen orange-yellow except for segment 1, which is yellowish white. Ventral surface of abdomen yellowish white.

Described from an unspecified number of specimens from Castro, Paraná [Brazil]. Other than the type, there are no specimens of this species in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; Castro, Parana; Type No. 11076 U.S.N.M.; gen. nov. near *Thalesa*. *Hypidota neurias* Schaus type ♂; Lectotype ♂ *Hypidota neurias* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW620."

Phaegoptera nexoides Schaus

[This is a junior synonym of *Phaegoptera schafferi* Schaus 1892, p. 280, teste Hampson, 1901a, p. 125.]

PLATES 15c; 58a,b

Phaegoptera nexoides Schaus, 1896, p. 140.

Forewing 29.0 mm. Head greyish brown, with two deep yellow patches, one anterior, the other posterior, to base of each antenna. Tegulae greyish brown, with deep yellow posterior margin. Patagia white dorsolaterally, with greyish brown fringe; greyish brown on side next to wing base, with two orange markings. Rest of thorax greyish brown and deep yellow. Forewing white with deep yellow markings, edged with narrow area of dark greyish brown and broad area of greyish brown. Hindwing mainly yellowish white, but light greyish brown distally and anally; row of indistinct, yellow, neural, terminal spots. Dorsal surface of abdomen chiefly deep yellow, but greyish brown anteromedially and with

greyish brown transverse bar at posteromedial margin of segments 5 and 6, and dark-edged greyish brown patch at lateral margin of each segment. Ventral surface of abdomen light greyish brown, with brown-edged, deep yellow lateral marking at each side of every segment.

Described from an unspecified number of specimens from São Paulo, Brazil. There are no specimens other than the type in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; *Phaegoptera nexoides* Schs type; Lectotype ♂ *Phaegoptera nexoides* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW603."

Pseudischnocampa nigradorsata (Schaus)

PLATES 4f; 42a,b

Ischnocampa nigradorsata Schaus, 1901, p. 268.

Pseudischnocampa nigradorsata (Schaus) Rothschild, 1935, p. 243.

Forewing 25.0 mm. Head and thorax chiefly orange-yellow; tegulae paler anterolaterally; patagia fringed laterally and medially with light yellow. Forewings white, the veins dark brown; Hindwing similar but suffused with greyish yellow anally. Dorsal surface of abdominal segment 1 and segments 5–8 orange-yellow, with dark greyish brown anteromedial patch on 5; laterally orange-yellow; ventrally greyish yellow except for orange-yellow segment 1 and tail fringe.

Described from an unspecified number of specimens from Peru. There are no specimens from the type-locality in the USNM collection other than the lectotype.

Lectotype ♂: "Peru; Collection Wm Schaus; Type No. 11064 U.S.N.M.; *Ischnocampa nigradorsata* Schs type; Lectotype ♂ *Ischnocampa nigradorsata* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW574."

Pseudischnocampa nigrivena (Schaus)

PLATES 4e; 41c,d

Ischnocampa nigrivena Schaus, 1901, p. 268.

Pseudischnocampa nigrivena (Schaus) Rothschild, 1935, p. 243.

Forewing 31.0 mm. Head and thorax orange-yellow. Costal and subcostal areas, most of cell, and

basal area of forewing yellowish white; rest of forewing light yellow; veins dark brown. Hindwing light yellow. Abdomen orange-yellow except for greyish brown medial area on ventral surface of segments 2–5.

Described from an unspecified number of specimens from Suapi [Bolivia]. There are no specimens other than the lectotype from the type-locality in the USNM collection.

Lectotype ♂: "♂ 9 Suapi; Collection Wm. Schaus; Type No. 11065 U.S.N.M.; *Ischnocampa nigrivena* Schs type; Lectotype ♂ *Ischnocampa nigrivena* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW575."

Hemihyalea nimbipicta Dyar

PLATES 8c; 49a,b

Hemihyalea nimbipicta Dyar, 1914a, p. 148.

Forewing 34.0 mm. Head and thorax yellowish brown. Forewings greyish yellow; markings greyish brown and light yellow. Hindwing greyish red, with greyish brown markings; translucent except at margins of wing. Dorsal surface of abdomen greyish red, becoming more yellowish posteriorly and at anterior margin of segment 1, and with greyish yellow tail fringe; ventral surface greyish yellow.

Described from an unspecified number of specimens from Mexico. Lectotype ♂, designated by Dyar (1916, p. 6) from Guerrero Mill, Hidalgo, Mexico.

Lectotype ♂, designated by Dyar (1916, p. 6): "Gift of B.P. Clark; Guerrero Mill, Hidalgo, Mexico, Alt. 9000 ft., Mann & Skewes; Type No. 18830 U.S.N.M.; *Hemihyalea nimbipicta* Dyar Type; Lectotype ♂ *Hemihyalea nimbipicta* Dyar By Dyar, 1916; Arctiidae genitalia slide No. AW583."

Zamolis noctella Dyar

[This is a junior synonym of *Stenucha dolens* [Druce] 1897, p. 360, teste Hampson, 1920, p. 490.]

PLATES 27c; 82c,d

Zamolis noctella Dyar, 1910, p. 235.

Forewing 13.5 mm. Head iridescent purple, turquoise and greyish brown. Thorax stained. Forewing lustrous olive brown. Hindwing iridescent

dull purple, turquoise, and greyish brown. Abdomen lustrous dark greyish brown.

Described from a single male type (USNM 12832) from Cuernavaca, Mexico.

Holotype ♂: "July 09; 2128; Cuernavaca, Mex.; R. Muller Collector; Type No. 12832 U.S.N.M.; *Zamolis noctella* Dyar Type; Holotype ♂ *Zamolis noctella* A.W. 1967; Arctiidae genitalia slide No. AW536."

***Halisidota notata* (Schaus)**

PLATES 21f; 69a,b

Phaegoptera notata Schaus, 1892, p. 281.

Halisidota notata (Schaus) Hampson, 1901a, p. 147.

Forewing 29.0 mm. Head dark brown, with orange antennal base. Thorax dark brown and pale yellow, with some pastel red posterolaterally. Forewing greyish brown, with pale yellow markings. Hindwing greyish brown and white. Dorsal surface of segment 1 yellowish brown; segments 2 and 3 yellowish brown medially, greyish brown laterally, with orange-red posterior margin; 4-7 greyish brown anteriorly, orange-red posteriorly (except for yellowish brown medial patch on 4); segment 8 greyish brown except for narrow orange-red anterior band. Ventral surface yellowish brown, with light yellow lateral spot on each side of 3-6.

Described from an unspecified number of specimens from Petropolis, Brazil. There are no specimens from the type-locality other than the lectotype in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; Petropolis, Brazil; Type No. 11077 U.S.N.M.; Spec. fig. Am. Lep.; *Phaegoptera notata* Schs Type; Lectotype ♂ *Phaegoptera notata* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW625."

***Ischnocampa nubilosa* (Dognin)**

PLATES 10b; 52c,d

Theages nubilosa Dognin, 1892, p. 144.

Ischnocampa nubilosa (Dognin) Hampson, 1901a, p. 115.

Forewing 23.0 mm. Front of head dark brown except for area immediately anterior to antennae; rest of head, and thorax, yellowish brown. Forewings greyish yellow, with dark brown markings. Hindwing mostly unscaled except at margins, where coloration is as for forewing. Dorsal surface of

abdomen greyish-brown (darkest medially), with dark greyish brown spot on either side of segments 2-8; ventral surface dark greyish yellow.

Described from a single male from near Loja [Ecuador].

Holotype ♂: "Dognin Collection; Type No. 30380 U.S.N.M.; sp.n. . . . 92; type figuré 1894; *Theages nubilosa* Dgn. type ♂; Environs de Loja, Equateur, 1890; Holotype ♂ *Theages nubilosa* Dognin A.W. 1967; Arctiidae genitalia slide No. AW586."

***Turuptiana obscura* Schaus**

PLATES 4b; 41a,b

Turuptiana obscura Schaus, 1901, p. 268.

Forewing 20.0 mm. Palps very dark brown [referred to as black in rest of description]. Front of head black, with ring of greyish yellow dorsally; vertex greyish yellow. Thorax greyish yellow except for black dorsomedial line (expanded in the spot posteriorly) and black medial fringe to patagia. Forewing ground color yellowish brown proximal to subterminal fascia, brownish yellow distally; markings black and light yellow. Hindwing light yellow, becoming orange-yellow distally and anally; markings dark brown. Dorsal surface of abdomen dark greyish brown medially (dark area narrowest anteriorly); yellowish orange laterally, with greyish brown segmental spots on each side; ventrally yellowish orange (rather worn), with greyish brown segmental patches laterally and medially.

Described from an unspecified number of specimens from Peru. Five examples in the USNM collection from Peru may represent paralectotypes.

Lectotype ♂: "Peru; Collection Wm Schaus; Type No. 11122 U.S.N.M.; *Turuptiana obscura* Type Sch; Lectotype ♂ *Turuptiana obscura* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW490."

***Antarctia obscurior* Schaus**

PLATES 31d; 89a,b

Antarctia obscurior Schaus, 1933, p. 586.

Forewing 18.5 mm. Head dark brown. Thorax dark brown, becoming slightly yellowish posteri-

only. Forewing dark brown, slightly translucent; hindwing similar but more distinctly translucent. Abdomen dark brown (possibly stained); described by Schaus as "fuscous above, underneath benzo-brown."

A single male type (USNM 34375) from Guasca, Colombia, is designated in the original description.

Holotype ♂: "Apollinaire; Quasca [sic], Colombia; Type No. 34375 U.S.N.M.; *Antarctia obscurior* Schs type; Holotype ♂ *Antarctia obscurior* Schaus A.W. 1967; Arctiidae genitalia slide No. AW522."

Ecpantheria obtecta Dognin

PLATES 1d; 33d-f

Ecpantheria obtecta Dognin, 1907, p. 228.

Forewing 18.5 mm. Palps white, with greyish brown base. Front of head greyish brown, vertex orange-grey. Thorax orange-grey, with lighter posterior tufts; markings dark orange-grey, edged first with black (slightly iridescent), then with white. Forewing orange-grey, lightest distally; markings dark orange-grey, edged with black and white proximally, black distally. Hindwing white. Dorsal surface of abdomen light brown dorsally, with medial orange yellow streak from segments 2-7 and orange lateral band on each side; ventrally pale yellow, with broken light brown medial band.

Described from a single male from Tucumán [Argentina].

Holotype ♂: "Dognin Collection, Tucuman; a form of *indecisa* Wlk., Type No. 30367 U.S.N.M.; *Ecpantheria obtecta* Dognin type ♂ Hmpsn 6.07; Holotype ♂ *Ecpantheria obtecta* Dognin A.W. 1967; Arctiidae genitalia slide No. AW465."

Romualdia opharina (Schaus)

PLATES 8a; 92b-d

Amastus opharina Schaus, 1921, p. 169.

Romualdia opharina (Schaus) Rego-Barros, 1957, p. 90.

Forewing 35.0 mm. Front of head dark greyish brown; vertex brownish orange, with black dorsomedial spot. Tegulae and patagia brownish orange, the former with anterior black spot, the latter with black medial streak. Rest of thorax dark greyish brown medially, orange-yellow laterally. Forewing yellowish white, speckled with grey-

ish brown and with dark greyish brown markings. Hindwing yellowish white except for distal greyish brown and pale yellow mottling. Dorsal surface of segment 1 orange-yellow, medial tuft brown along middorsal line; segments 2 and 3 orange-yellow laterally, brown medially; segments 4-6 as 2 and 3, but with transverse dark brown line across middle of each segment; segment 7 orange-yellow, with dark brown anteromedial marking (tapered posteriorly) and unscaled lateral patch on each side (possibly the result of wear). Pleural area of abdomen orange-grey. Ventral surface yellowish white laterally, dark brown medially except for segment 7, which is yellowish white with a small dark brown anteromedial patch.

A single female type (USNM 24915) from Nova Friburgo, Brazil, is designated in the original description.

Holotype ♀: "Type No. 24915 U.S.N.M.; Nova Friburgo, IX.1910, J. Arp; 410; *Amastus opharina* Schs type; Holotype ♀ *Amastus opharina* Schaus A.W. 1967; Arctiidae genitalia slide No. AW610."

Antarctia pallidivena Schaus

PLATES 29b; 84e,f

Antarctia pallidivena Schaus, 1904, p. 138.

Forewing 18.0 mm. Head light brown. Tegulae and anterior margin of patagia light brown, rest of thorax orange-grey. Forewing light yellow, with yellowish white veins. Hindwing yellowish white, with light yellow margins. Abdomen light orange dorsally and ventrally, becoming paler posteroventrally.

Described from an unspecified number of male specimens from Castro, Paraná [Brazil]. A male in the USNM from the type-locality may represent a paralectotype.

Lectotype ♂: "Collection Wm Schaus; Castro, Parana; Type No. 11133 U.S.N.M.; *Antarctia pallidivena* Schs type; Lectotype ♂ *Antarctia pallidivena* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW534."

Turuptiana panoezys Dyar

PLATES 3f; 40c,d

Turuptiana panoezys Dyar, 1916, p. 8.

Forewing 20.0 mm. Palps and front of head dark brown, vertex white. Tegulae white laterally, dark

brown medially; patagia dark brown, edged laterally and medially with broad white band. Forewings dark brown and white. Hindwings white, with weak brown markings. Dorsal surface of abdomen yellowish brown medially (each segment palest posteriorly), greyish yellow laterally, and with greyish yellow tail fringe; ventrally greyish yellow.

A single male (USNM 18835) from Guerrero Mill, Mexico, is designated in the original description.

Holotype ♂: "B.P. Clark, donor; Guerrero Mill, Hidalgo, Mexico, Alt. 9000 ft., Mann & Skewes; Type No. 18835 U.S.N.M.; *Turuptiana panoezys* Dyar type; Holotype ♂ *Turuptiana panoezys* Dyar A.W. 1967; Arctiidae genitalia slide No. AW492."

Amastus paramensis Dognin

PLATES 14a; 56c,d

Amastus paramensis Dognin, 1911b, p. 11.

Forewing 34.0 mm. Head and thorax dark brownish orange. Forewing transversely striated with greyish brown; terminal fasciae light yellow. Hindwing pale yellow, with reddish orange anal suffusion. Dorsal surface of abdomen pastel red on segments 1-5, brownish grey on 6-8; tail fringe brownish orange. Abdomen brownish orange ventrally.

Described from one male and one female from Paramo del Quindin, Colombia. The female paralectotype is in the USNM collection.

Lectotype ♂: "Type No. 30400 U.S.N.M.; Dognin Collection; Paramo del Quindiu [sic], Colombia, 3,800 mètres; *Amastus paramensis* Dgn. type ♂; . . . Hampson 11/11/11; the ♀ exact to the ♂; retour Schs . . . 6/11; Lectotype ♂ *Amastus paramensis* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW550."

Euchaetias parazona Dyar

[This is a junior synonym of *Euchaetias antica* (Walker) 1856, p. 1708, teste Seitz, in Seitz, 1919, p. 310]

PLATES 25e; 104d,e

Euchaetias parazona Dyar, 1912, p. 56.

Forewing 24.5 mm. Front of head light brown, with longitudinal medial patch of orange-yellow;

vertex light brown, with orange patch posterior to each antenna. Tegulae light brown medially, orange-yellow laterally. Patagia light brown, with orange-yellow patch anterolaterally. Rest of thorax light brown. Forewing light brown, with orange-yellow costa. Hindwing light brown. Both wings with brownish white outer marginal fringe. Dorsal surface of abdominal segments 2-7 orange, with medial dark greyish brown transverse band at anterior margin of each segment, and with broad, light brown, longitudinal, lateral band on each side; segment 8 yellowish white. Ventral surface of abdomen light brown.

Described from a single female from Misantla, Mexico (USNM 14214).

Holotype ♀: "May, 11; R. Muller, Collector; Misantla, Mexico; 3072; Type No. 14214 U.S.N.M.; *Euchaetias parazona* Dyar type; Holotype ♀ *Euchaetias parazona* Dyar A.W. 1967; Arctiidae genitalia slide No. AW481."

Hemihyalea parergana Dognin

PLATES 5e; 44c,d

Hemihyalea parergana Dognin, 1912a, p. 129.

Forewing 34.0 mm. Head greyish orange, with narrow orange-red posterior margin. Thorax greyish orange. Forewing greyish orange along costal and anal margins, brown apically and along outer margin; rest of wing without scales except at places on veins. Hindwing unscaled or very sparsely scaled except for greyish orange margins. Dorsal surface of abdomen reddish orange medially, greyish yellow laterally and with a weakly marked, laterally placed, longitudinal greyish brown band on segments 4-8; ventral surface greyish yellow.

Described from three males from Tochesito, Quindin, Colombia. The two paralectotypes are in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30426 U.S.N.M.; Tochesito, Quindiu [sic], Colombia, 3,000 mètres; *Hemihyalea parergana* Dognin type ♂ Hmps. 5.1.12; *Hemihyalea* . . . sp.? [long handwritten note on identity of species]; Lectotype ♂ *Hemihyalea parergana* Dognin By A. Watson, 1967; Arctiidae genitalia slide No. AW604."

***Antarctia paula* (Schaus)**

PLATES 30c; 86c,d

Motada paula Schaus, 1896, p. 142.*Antarctia paula* (Schaus) Hampson, 1901a, pp. 445, 447.

Forewing 16.0 mm. Head and thorax greyish yellow. Forewings greyish yellow, with dark brown discocellular spot. Hindwing yellowish white. Abdomen greyish yellow.

Described from an unspecified number of specimens from Castro, Paraná [Brazil]. A male and three females in the USNM collection (ex Schaus collection) are probably paralectotypes.

Lectotype ♂: "Castro, Parana; Collection Wm. Schaus; Type No. 11131 U.S.N.M.; *Motada paula* Schs Type; Lectotype ♂ *Motada paula* Schaus By A. Watson, 1967; Arctiidae genitalia slide No. AW 525."

***Halisidota pectina* Schaus**

[This is a junior synonym of *Halisidota alsus* Cramer [1777], p. 147, plate 113, figure E, teste Hampson, 1901a, p. 153.]

PLATES 9c; 51a,b

Halisidota pectina Schaus, 1896, p. 139.

Forewing 23.0 mm. Front of head light yellow, with yellowish brown, transverse band dorsally; vertex light yellow, with yellowish brown medial line. Tegulae light yellow, with dark brown spot anteriorly; patagia with oblique brown stripe and two brown spots. Forewing mostly light yellow, but orange-yellow at base, in costal area, and along anal margin; markings brown. Hindwing yellowish white; translucent except at edges. Abdomen missing from type; dissected by W.D. Field.

Described from an unspecified number of examples from Jalapa, Mexico. There are three females from the type-locality in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; Jalapa, Mexico; Type No. 11082 U.S.N.M.; *Halisidota pectina* Schs Type; ♂ genitalia prep. W.D.F. 489 C.B.K. IV. 1960; Lectotype ♂ *Halisidota pectina* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW629."

***Ecpantheria pellucida* Schaus**

[This is a junior synonym of *Ecpantheria heterogena* Oberthür, 1881, p. 109, teste Seitz, 1919, p. 318.]

PLATES 2c; 36a-c

Ecpantheria pellucida Schaus, 1892, p. 282.

Forewing 30.5 mm. Front of head black; vertex greyish orange. Thorax and abdomen stained, but described by Schaus as ". . . thorax light grey, with darker spots edged with black. Abdomen dorsally bluish black; ventrally white." Forewing mostly transparent; otherwise greyish white, with black-edged grey markings. Hindwing white, but transparent in middle and with greyish brown markings anteriorly.

Described from an unspecified number of specimens of both sexes from "Rio Janeiro," Brazil. There is a female paralectotype in the USNM collection, labeled "type," and two possible male paralectotypes from the type-locality.

Lectotype ♂: "Collection Wm. Schaus; Rio Janeiro; *Ecpantheria pellucida* Schs Type ♂; Arctiidae genitalia slide No. AW452; Lectotype ♂ *Ecpantheria pellucida* Schaus By A. Watson 1967."

***Arachnis picta perotensis* Schaus**

PLATES 1e; 34a-c

Arachnis perotensis Schaus, 1889, p. 190.*Arachnis picta perotensis* Schaus.—Seitz, 1919, p. 315.

Forewing 20.0 mm. Front of head yellowish grey, vertex white. Thorax and forewing white, yellowish grey and black. Hindwing white, with yellowish grey markings; anal area orange-red. Dorsal surface of abdomen orange-red, with lateral row of dark greyish brown markings on each side and dark greyish brown medial band (broadest posteriorly); ventral surface white.

Described from one male and three females from "Cofre de Perote," Mexico. There are three female paralectotypes from Las Vigas (north of Cofre de Perote) in the USNM.

Lectotype ♂: "Collection Wm. Schaus; Las Vigas; Type No. 11119 U.S.N.M.; *Arachnis perotensis* Schs. Type ♂; Lectotype ♂ *Arachnis perotensis* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW470."

Ecpantheria perplexa Schaus

PLATES 2c; 37a-c

Ecpantheria perplexa Schaus, 1911a, p. 186.

Forewing 28.5 mm. Front of head white ventrally, brown dorsally; vertex white. Thorax and wings white, with brown markings. Forewing with yellowish suffusion proximally. Abdomen stained; described by Schaus as "dorsally brown on two basal segments, otherwise dark blue, with dorsal orange spots sometimes expanding and forming transverse orange bands; lateral orange stripes or spots; a sublateral black line; ventrally white with row of black spots."

Described from an unspecified number of males from Guápiles, Limón, and Tuis, Costa Rica. A male from Tuis and two males from Limon may represent paralectotypes.

Lectotype ♂: "Guapiles, C.R., 850 ft. alt.; Type No. 17157 U.S.N.M.; *Ecpantheria perplexa* Schs. type; 21/6 1909; Lectotype ♂ *Ecpantheria perplexa* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW464."

Elysius phantasma Schaus

PLATES 20c; 65a,b

Elysius phantasma Schaus, 1905, p. 223.

Forewing 19.0 mm. Head yellowish white dorsally, greyish brown anteroventrally. Tegulae dark greyish brown. Patagia and rest of thorax worn, probably yellowish white. Forewing greyish orange and yellowish white. Hindwing greyish orange, with light yellow anal area. Abdomen light yellow, with greyish brown spot laterally on each side of segments 2-7.

A single male type (USNM 8612) from Maroni River, French Guiana, is designated in the original description.

Holotype ♂: "Collection Wm. Schaus, 60 m. up Maroni River; Type No. 8612 U.S.N.M.; 388a *Elysius phantasma* Schaus type ♂; Holotype ♂ *Elysius phantasma* A.W. 1967; Arctiidae genitalia slide No. AW568."

Amastus polystrigata Dognin

PLATES 14b; 97a,b

Amastus polystrigata Dognin, 1901b, p. 69.

Forewing 40.0 mm. Head greyish yellow. Tegulae greyish yellow, each with central black spot; patagia greyish yellow anteriorly, becoming yellowish white posteriorly, each with central black spot; rest of thorax yellowish white. Forewing yellowish white at base; best of wing light grey, with yellowish white and yellowish brown striations of raised scales. Hindwing yellowish white, with some greyish yellow apical markings. Dorsal surface of abdomen orange-yellow; pleural areas pale yellow, with black spot on segments 2-7; ventral surface pale yellow.

Described from a single female from Mérida, Venezuela.

Holotype ♀: "Merida; Dognin Collection; Type No. 30405 U.S.N.M.; type vu et figuré par Hmps 2/1901; *Amastus polystrigata* Dognin type ♀ Hmps 2/1901; Holotype ♀ *Amastus polystrigata* Dognin A.W. 1967; Arctiidae genitalia slide No. AW613."

Elysius proba (Schaus)

PLATES 20a; 103b

Phaegoptera proba Schaus, 1892, p. 281.*Elysius proba* (Schaus) Hampson, 1901a, p. 111.

Forewing 41.5 mm. Head greyish yellow. Thorax greyish yellow; each tegula with central black spot. Forewing greyish yellow, with darker speckles, especially along veins. Hindwing light yellow; slightly translucent in and around cell. Dorsal surface of abdomen light yellow; ventral surface greyish yellow.

Described from an unspecified number of examples from Paso de San Juan, Vera Cruz [Mexico]. There are no specimens from the type-locality other than the lectotype in the USNM collection.

Lectotype ♀: "Collection Wm. Schaus; Paso San Juan, V. Cruz; S.J.6; Type No. 11059 U.S.N.M.; *Phaegoptera proba* Schs. type; Lectotype ♀ *Phaegoptera proba* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW564."

***Euchaetias psara* Dyar**

PLATES 25c; 78a-c

Euchaetes psara Dyar, 1907, p. 229.

Forewing 16.5 mm. Head and thorax brown. Forewing light brown, with brownish white marking. Hindwing translucent brownish white, becoming light brown anteriorly. Dorsal surface of abdominal segments 2-7 and anteromedial part of segments 8 iridescent blue and dark greyish brown; segment 8 orange posteromedially, light brown laterally; ventral surface of abdomen light brown.

A single male type (USNM 10924) from Mexico City, Mexico, is designated in the original description.

Holotype ♂: "Mexico City, Mexico; R. Muller Collector; 1211; Type No. 10924 U.S.N.M.; *Euchaetes psara* Dyar type; Holotype ♂ *Euchaetias psara* Dyar A.W. 1967; Arctiidae genitalia slide No. AW482."

***Pygarctia pterygostigma* Dyar**

PLATES 28b; 84c,d

Pygarctia pterygostigma Dyar, 1909, p. 21.

Forewing 15.5 mm. Front of head greyish yellow; vertex yellowish grey anteriorly, greyish orange posteriorly. Thorax yellowish grey; patagia edged medially with greyish orange. Wings yellowish grey; forewing with white discocellular marking. Dorsal surface of abdomen greyish orange, with black medial spot and black lateral spot on each side; ventral surface stained, but at least partly greyish yellow.

Described from two females from Tehuacán, Mexico. Both lectotype and paralectotype are in the USNM collection.

Lectotype ♀: "Sept. 08; 1742; R. Muller Collector; Tehuacan, Mexico; Type No. 12217 U.S.N.M.; Lectotype ♂ *Pygarctia pterygostigma* Dyar By A. Watson 1967; Arctiidae genitalia slide No. AW478."

***Metacrisia pua* (Dyar)**

PLATES 22d; 70c,d

Metacrisiodes pua Dyar, 1916, p. 8.*Metacrisia pua* (Dyar) Hampson, 1920, p. 478.

Forewing 24.5 mm. Head and thorax greyish brown. Forewing light greyish yellow. Hindwing

yellowish grey. Dorsal surface of abdomen yellowish brown; ventral surface greyish yellow.

A single male (USNM 18836) from Guerrero Mill, Mexico, is designated in the original description.

Holotype ♂: "B.P. Clark, donor; Guerrero Mill, Hidalgo, Mexico, alt. 9000 ft.; Mann & Skewes; Type No. 18836 U.S.N.M.; *Metacrisiodes pua* Dyar Type; Holotype ♂ *Metacrisiodes pua* Dyar A.W. 1967; Arctiidae genitalia slide No. AW497."

***Calidota quadripunctata* Schaus**

PLATES 16c; 99b,c

Calidota quadripunctata Schaus, 1910, p. 407.

Forewing 26.0 mm. Front of head dark brown; vertex light greyish yellow, with dark brown posteromedial spot. Tegulae light greyish yellow, each with dark brown posteromedial spot; rest of thorax greyish yellow, with dark brown spot anteriorly and posteromedially. Forewing greyish yellow, with dark brown basal spot and medial spots. Hindwing greyish yellow; translucent proximally. Dorsal surface of abdomen orange-yellow; segments 2-7 black laterally, segments 2-3 light greyish brown medially, segments 4-7 with black anteromedial patch; ventral surface olive brown.

Described from an unspecified number of specimens from Avangarez, Costa Rica. The lectotype is the only specimen from the type-locality in the USNM collection.

Lectotype ♀: "July; Collection Wm Schaus; Avangarez, CR; Type No. 16929 U.S.N.M.; *Calidota quadripuncta* [sic] Schs. type; Lectotype ♀ *Calidota quadripunctata* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW509."

***Eucereon rabusculum* Dognin**

PLATES 22f; 71c,d

Eucereon rabusculum Dognin, 1905, p. 10.

Forewing 24.5 mm. Head, thorax, and wings greyish brown and white. Abdomen greyish yellow dorsally, lighter ventrally.

Described from two males from Santo Domingo, Carabaya, Peru. The paralectotype is in the USNM collection.

Lectotype ♂: "Type No. 30387 U.S.N.M.; Santo

Domingo, Carabaza [sic], S.E. Pérou, Saison sèche; = *Elysius melanoplaga* Hmps.; *Eucereon rubusculum* Dgn. type ♂; Lectotype ♂ *Eucereon rubusculum* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW572."

***Amastus reinona* Schaus**

PLATES 6e; 91a

Amastus reinona Schaus, 1933, p. 576.

Forewing 37.0 mm. Front of head greyish brown toward labrum, remainder greyish orange. Vertex greyish orange. Patagia and tegulae greyish orange, the latter with dark greyish brown anterior margin; rest of abdomen greyish red. Forewing brownish orange, with paler subterminal fascia. Hindwing orange-white, with pastel red suffusion anally. Segments 1-4 of abdomen orange-red, 5 and 6 orange, with dark brownish grey posterior margin, 8 mainly dark brownish grey, but with orange anteriorly and light yellow posteriorly. Dorsal surface of abdomen dark brownish grey laterally, with orange spot on each segment; greyish orange ventrally.

A single female type (USNM 34391) from Incachaca, Bolivia, is designated in the original description.

Holotype ♀: "Type No. 34391 U.S.N.M.; Incachaca, Cochabamba, Bolivia, J. Steinbach; *Amastus reinona* Schs type; Collection Wm Schaus; Holotype ♀ *Amastus reinona* Schaus A.W. 1967; Arctiidae genitalia slide No. AW548."

***Calidota rema* (Dognin)**

PLATES 16d; 60a,b

Pseudapistosia rema Dognin, 1891d, p. CLXXVI.

Calidota rema (Dognin) Hampson, 1901a, pp. 432, 436.

Forewing 26.0 mm. Front of head greyish yellow, vertex light greyish orange, with posteromedial black spot. Tegulae light greyish orange, each with conspicuous black patch. Forewing and rest of thorax light greyish orange, the former with dark greyish brown markings. Hindwing yellowish grey, palest proximally. Dorsal surface of abdomen orange-yellow; segments 2-8 black laterally, segments 2-3 light greyish brown medially, segments

4-8 with black anteromedial patch; ventral surface olive brown.

Described from a single male from Santa Catarina, Brazil.

Holotype ♂: "Dognin Collection; Type No. 30377 U.S.N.M.; Sta Catharina, . . . mai 91; *Pseudapistosia rema* n.sp. type; Holotype ♂ *Pseudapistosia rema* Dognin A.W. 1967; Arctiidae genitalia slide No. AW508."

***Ischnocampa remissa* (Dognin)**

PLATES 10c; 94a

Sciopsyche remissa Dognin, 1902, p. 229.

Ischnocampa remissa (Dognin) Hampson, 1920, p. 234.

Forewing 16.0 mm. Head greyish yellow, with pale yellow posterodorsal margin. Thorax discolored. Wings white and greyish yellow. Abdomen pale yellow, slightly greyish dorsally.

Described from three females from Mérida, Venezuela. The two paralectotypes are in the USNM collection.

Lectotype ♀: "Dognin Collection; Type No. 30385 U.S.N.M.; Mérida; not in B.M.; *Sciopsyche* n.sp. Hmps. 15/2/02; *Sciopsyche remissa* Dgn. type ♀; vu Hmps. . . 05; Lectotype ♀ *Sciopsyche remissa* Dognin. By A. Watson 1967; Arctiidae genitalia slide No. AW592."

***Euchaetias rhadia* Dyar**

PLATES 26e; 80c,d

Euchaetias rhadia Dyar, 1913a, p. 285.

Forewing 17.5 mm. Head and thorax yellowish grey. Wings light yellowish grey. Abdomen rather worn, but dorsally mostly reddish orange, with dark medial and lateral markings, ventrally yellow-grey.

Described from two males and one female ("cotypes") from "Mexico ? (J. Doll)" and Jalapa, Mexico. Apart from the lectotype in the USNM collection, there is a female paralectotype from the same locality.

Lectotype ♂: "Collection H.G. Dyar; Type No. 14462 U.S.N.M.; 11309; Mexico ?, J. Doll; *Euchaetias rhadia* Dyar Type; Lectotype ♂ *Euchaetias rhadia* Dyar By A. Watson 1967; Arctiidae genitalia slide No. AW485."

***Euchaetias rizoma* (Schaus)**

PLATES 25f; 105a

Phaegoptera rizoma Schaus, 1896, p. 140.*Euchaetes rizoma* (Schaus) Hampson, 1901a, p. 418.

Forewing 22.0 mm. Head very dark brown except for white transverse band anterior to antennae. Tegulae white laterally, very dark brown medially; patagia white anterolaterally, and along center, otherwise very dark brown. Rest of thorax red laterally, very dark brown medially. Forewing brown and white. Hindwing yellowish brown and white; some red scales at base. Dorsal surface of abdomen orange, the nearly black medial line extended laterally along posterior margin of segments 3–6; nearly black lateral patches present on segments 1, 2, and 7. Ventral surface of abdomen stained; described by Schaus as "black with two white streaks."

Described from an unspecified number of specimens from São Paulo, Brazil. There are no specimens in the USNM collection from the type-locality, other than the type.

Lectotype ♀: "Collection Wm. Schaus; São Paulo, S.E. Brazil; Type No. 11120 U.S.N.M.; *Phaegoptera rizoma* Schs Type; Lectotype ♀ *Phaegoptera rizoma*. By A. Watson 1967; Arctiidae genitalia slide No. AW479."

***Ecpantheria robusta* Dognin**

PLATES 2f; 37d–f

Ecpantheria robusta Dognin, 1889b, p. 193.

Forewing 36.0 mm. Dorsal surface of palp and front of head iridescent greenish blue and brown; ventral surface of palp and vertex of head yellowish white. Thorax markings iridescent bluish green and brown. Forewing yellowish white proximally, transparent distally except for costal area; markings dark brown—slightly iridescent, bluish green at base and along costa. Hindwing white anally, otherwise transparent; markings brown. Segments 1–6 of dorsal surface of abdomen orange-yellow, with row of black (slightly iridescent blue) lateral markings and row of broad, transverse, iridescent (blue, green, and black) medial bands at posterior margin of each segment; segment 7 entirely iridescent blue, green and black medially, with small

lateral orange-yellow patch; 8 similarly colored medially, but white posteriorly. Ventral surface of abdomen white, with medial row of black spots and lateral spots on 4–6.

Described from two males from San Francisco, near Loja, Ecuador. The paralectotype (labeled "type") is in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30366 U.S.N.M.; San Francisco, Loja, Ecuador, août 86; Climat temperé, altitude 200 mètres; not in my coll. or B.M.; *Ecpantheria robusta* Dgn type; Lectotype ♂ *Ecpantheria robusta* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW463."

***Opharus roseistriga* Schaus**

PLATES 18b; 101b

Opharus roseistriga Schaus, 1910, p. 405.

Forewing 22.0 mm. Front of head dark brown; vertex pale yellow. Tegulae brown with broad, transverse, pastel red band anteriorly; patagia dark brown, fringed with pale yellow medially; rest of abdomen pastel red. Forewing brown with weak pink iridescence and greyish yellow costal area. Hindwing brown; translucent in middle. Dorsal surface of abdomen brown medially on 2–6, pastel red laterally; segment 1 brown medially, but pale yellow at anterior margin and pale yellow laterally; segment 7 brown anteromedially, pastel red otherwise, with pale yellow tail fringe. Ventral surface of abdomen brown except for pale yellow posteriorly and pastel red laterally on segment 7.

Described from an unspecified number of specimens from Juan Viñas [Costa Rica]. There are no specimens other than the lectotype in the USNM collection.

Lectotype ♀: "Aug.; Juan Vinas, CR; Collection Wm Schaus; Type No. 16924 U.S.N.M.; *Opharus roseistriga* Schs type; Lectotype ♀ *Opharus roseistriga* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW594."

***Amastus rothschildi* Dognin**

PLATES 7a; 91b

Amastus rothschildi Dognin, 1910, p. 10.

Forewing 39.0 mm. Front of head orange, vertex white. Tegulae orange, with white transverse

anterior band, edged at extreme anterior margin with reddish orange; patagia orange, with white anterolateral patch and reddish orange postero-lateral fringe; rest of thorax orange, becoming reddish orange laterally and posteriorly. Forewing greyish orange. Hindwing paler, translucent, basally and medially. Dorsal surface of segment 1 orange; segments 2–5 reddish orange medially, light grey (slightly yellowish) laterally (the grey area broadest posteriorly and separated from the orange by black scales); segment 6 with anteromedial reddish orange band separated from light grey remainder by black; segments 1–6 with narrow reddish orange line on lateral edge of each tergum; segment 7 damaged, but chiefly light grey, with some black anteromedially and with reddish orange anterolateral patch; ventral abdominal surface greyish yellow, with reddish orange lateral line, edged outwardly with light grey.

Described from a single female from Alto de las Cruces, near San Antonio, Cali, Colombia.

Holotype ♀: "Type No. 30397 U.S.N.M.; Colombie, Fassel; Dognin Collection; *Amastus rothschildi* Dgn. type ♀; I.09 Alto de las Cruces, (63) 2300; *Amastus leucofrontia* Dogn. [!] type ♀, not in B.M. Hmpsn. 1.10; Holotype ♀ *Amastus rothschildi* Dognin A.W. 1967; Arctiidae genitalia slide No. AW556." [No trace of *leucofrontia* could be found in the literature.]

Hypomolis rothschildi Dognin

PLATES 23e; 74a–c

Hypomolis rothschildi Dognin, 1911a, p. 16.

Forewing 18.0 mm. Head greyish yellow, with orange-red band above labrum. Thorax greyish yellow; patagia edged medially with orange-red. Forewing greyish yellow (lighter than thorax); costa reddish orange; wing markings dark brown, nearly black. Hindwing pale yellow. Abdomen golden yellow, with a few orange hair-scales anterodorsally.

Described from a single male from Monte Socorro, near Cali, Colombia.

Holotype ♂: "Dognin Collection; Type No. 30370 U.S.N.M.; Monte-Socorro, 3400–3800 m., Colombie; VII.09 Mte Socorro 3400; *Hypomolis* sp.n. not in B.M. nor coll . . . Schs. 1/1911;

Hypomolis rothschildi Dgn. type ♂; Holotype ♂ *Hypomolis rothschildi* Dognin A.W. 1967; Arctiidae genitalia slide No. AW471."

Hypomolis rubricosta (Dognin)

PLATES 23c; 73a,b

Phragmatobia rubricosta Dognin, 1889b, p. 193.

Hypomolis rubricosta (Dognin) Hampson, 1901a, p. 415.

Forewing 19.5 mm. Front of head orange-grey, edged laterally with orange and greyish brown in anterior half; vertex orange-grey. Thorax orange-grey, with golden yellow posterior margin. Forewing golden yellow at apex, at outer margin and anterior to dark marking near base of anal margin, becoming paler proximally; costa orange, costal area orange-grey; dark markings greyish brown. Hindwing light yellow. Abdomen golden yellow dorsally, greyish orange ventrally.

Described from a single male from Loja, Ecuador.

Holotype ♂: "Dognin Collection; Loja, Equateur, Août '86; Type No. 30371 U.S.N.M.; type figuré Août 1891; *Phragmatobia rubricosta* Dgn. type. This species is quite new to me. I think it will go into the genus *Phragmatobia*; Holotype ♂ *Phragmatobia rubricosta* Dognin A.W. 1967; Arctiidae genitalia slide No. AW472."

Amastus rubridorsata Dognin

PLATES 6d; 46c–e

Amastus rubridorsata Dognin, 1912c, p. 5.

Forewing 32.0 mm. Head yellowish white, with red posterior margin. Tegulae yellowish white anteriorly, pale orange posteriorly; patagia yellowish white, with central longitudinal orange-yellow streak; rest of thorax, unobscured by patagia, yellowish white just posterior to tegulae, otherwise red. Forewing mostly devoid of scales and transparent except for orange-yellow margins; hindwing similar, but with yellowish white scales between Cu_{1b} and anal margin. Dorsal surface of abdominal segment 1 light yellow; 2–6 red medially, light yellow laterally; 7–8 light yellow. Ventral surface of abdomen light yellow.

Described from three males from Oconeque,

Carabaya, Peru. Only one of the paralectotypes could be found in the USNM collection.

Lectotype ♂: "Type No. 30399 U.S.N.M.; Dognin Collection; Oconeque, Carabaya, Pérou, S.E.; *Amastus rubridorsata* Dgn. type ♂. Vu Hmpsn 12/13; Lectotype ♂ *Amastus rubridorsata* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW552."

Calidota rudis Schaus

PLATES 16b; 59c,d

Calidota rudis Schaus, 1911b, p. 613.

Forewing 25.0 mm. Front of head greyish brown, vertex orange-yellow. Tegulae orange-yellow, each with central black spot. Patagia orange-yellow, with black spot anteroventrally and greyish yellow dorsolaterally; rest of thorax greyish yellow. Forewing greyish yellow; basal markings greyish brown. Hindwing pale yellow basally, remainder greyish yellow. Abdomen light yellow, with greyish brown laterodorsal markings on each side of segments 3-7 (segments 1 and 2 not examined).

Described from an unspecified number of males from San Mateo, Costa Rica. The lectotype is the only specimen of this species in the USNM collection.

Lectotype ♂: "San Mateo, CR; Nov 25-Dec 12 '06, 1-2000ft; Collection Wm Schaus; *Calidota* sp. ♂; *Calidota rudis* Schs type; Type No. 17271 U.S.N.M.; Lectotype ♂ *Calidota rudis* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW515."

Elysius ruffin Schaus

PLATES 19b; 102a,b

Elysius ruffin Schaus, 1924, p. 33.

Forewing 24.0 mm. Head, thorax, and forewing orange-yellow; markings light greyish brown. Hindwing yellowish white, with orange-white suffusion anally. Abdomen orange-yellow except for dark greyish brown transverse band on anterior half of terga of segments 5-7.

A single female type (USNM 26325) from Petropolis, Brazil, is designated in the original description.

Holotype ♀: "Petropolis, Brazil; Capt. W. Robinson, Collector; Type No. 26325 U.S.N.M.; *Elysius ruffin* Schs type; Holotype ♀ *Elysius ruffin* Schaus A.W. 1967; Arctiidae genitalia slide No. AW570."

Elysius sarcochroa Dognin

PLATES 20b; 64c,d

Elysius sarcochroa Dognin, 1912c, p. 4.

Forewing 27.0 mm. Front of head yellowish brown ventrally, light yellow dorsally; vertex light yellow. Tegulae yellowish brown, with light yellow anterior margin; patagia light yellow anterolaterally, otherwise yellowish brown. Forewing greyish orange, with orange-yellow costal and basal area and with suffusion of light brown in cell and at outer margin. Hindwing orange-white, with light brown outer marginal band. Dorsal surface of abdomen brownish orange anteriorly, greyish brown posteriorly; segments 5-8 yellow laterally. Ventral surface yellow except for greyish brown segment 8, and greyish brown patches on each side of segments 2-7.

Described from a single male from Monte Tolima, Colombia.

Holotype ♂: "Dognin Collection; Type No. 30481 U.S.N.M.; Monte Tolima, 3200 m., Colomb. Cent. Cord., Coll. Fassl; *Elysius sarcochroa* Dogn. type ♂, Hmpn. 10.12; Holotype ♂ *Elysius sarcochroa* Dognin A.W. 1967; Arctiidae genitalia slide No. AW567."

Acyclania shadei Schaus

PLATES 27b; 82a,b

Acyclania shadei Schaus, 1927, p. 76.

Forewing 23.0 mm. Head black, speckled with orange-white except for orange tuft above labrum. Thorax black, speckled with orange-white. Forewing greyish brown, with black and yellowish white markings. Hindwing greyish brown, with yellowish white markings. Abdomen dark greyish brown, speckled with yellowish white posteriorly, and with orange tail fringe and orange anterolateral patch on each side of segment 1; ventral surface dark greyish brown, sparsely speckled with yellowish white posteriorly except for orange tail tuft and orange anteromedial area on segment 2.

A single male type (USNM 33197) from Molinasque, Paraguay, is designated in the original description.

Holotype ♂: "March, 1926; Molinasque, Paraguay; Type No. 33197 U.S.N.M.; F. Shade Coll.; 606; *Acyclania schadei* Schs type; Holotype ♂ *Acyclania schadei* Schaus A.W. 1967; Arctiidae genitalia slide No. AW537."

Metacrisia schausi Dognin

PLATES 22a; 69c,d

Metacrisia schausi Dognin, 1911b, p. 13.

Forewing 18.5 mm. Front of head black, vertex orange. Thorax black and orange. Forewing yellowish brown, golden yellow, and yellowish white. Hindwing yellowish white. Abdomen greyish yellow, with greyish brown patches on each side of segments 3-7.

Described from a single male from Paramo del Quindin, Colombia.

Holotype ♂: "Dognin Collection; . . . nouvelle; Type No. 30376 U.S.N.M.; Paramo del Quindiu [sic], Colombie, 3,800 mètres; Vu Hmpn. 5/1.12; retour Schs. . . . 6/11; . . . Hampson 11/11/11; Quite close to *Metacrisia courregesi* Dgn. sp.?. *Metacrisia schausi* Dgn. type ♂; Holotype ♂ *Metacrisia schausi* Dognin A.W. 1967; Arctiidae genitalia slide No. AW496."

Amastus scriblita Dognin

PLATES 7c; 91d

Amastus scriblita Dognin, 1911b, p. 11.

Forewing 36.0 mm. Head and tegulae brownish orange. Patagia brownish orange, with greyish red fringes. Rest of thorax brownish orange. Forewing brownish orange. Hindwing pale yellow. Segments 1-4 of abdomen orange-red dorsally, 5-7 brownish grey. Abdomen greyish orange ventrally.

Described from two females from Tochesito, Quindin, Colombia. The paralectotype is in the USNM collection.

Lectotype ♀: "Tochesito, Quindiu [sic], Colombie, 3,000 mètres; Type No. 30398 U.S.N.M.; Dognin Collection; 9.09, Tochesita, Quindin, 3,000 m.; *Amastus scriblita* Dgn. type ♀; Lectotype ♀

Amastus scriblita Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW557."

Antarctia sericea (Schaus)

PLATES 28d; 105d

Palustra sericea Schaus, 1896, p. 142.

Antarctia sericea (Schaus) Hampson 1901a, pp. 445, 448.

Forewing 29.0 mm. Head and thorax dark greyish brown. Forewing greyish brown. Hindwing yellowish white proximally and anally, more brownish distally. Abdomen orange-yellow dorsally; dark brown ventrally, with orange-yellow tail fringe and orange-yellow anterolateral patches on segments 2-6.

Described from an unspecified number of females from Castro, Paraná [Brazil]. Two males and two females in the USNM collection from the type-locality (ex Schaus collection) may be paralectotypes.

Lectotype ♀: "Castro, Parana; Collection Wm. Schaus; Type No. 11134 U.S.N.M.; *Palustra cericea* [sic] Schs type; Lectotype ♀ *Palustra sericea* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW529."

Hylarctia sericea Schaus

PLATES 24c; 76a,b

Hylarctia sericea Schaus, 1901, p. 268.

Forewing 25.0 mm. Head yellowish white. Tegulae and patagia yellowish white, the latter with small black spot anterolaterally; rest of thorax yellowish white. Forewing yellowish white, with one black and two orange-yellow basal patches. Hindwing white, slightly yellowish; translucent except at margins. Abdomen light yellow, with greyish brown spot on each side of segments 3-7 immediately ventral to pleural area.

Described from an unspecified number of specimens from Castro, Paraná [Brazil]. A male and a female from the type-locality in the USNM collection may represent paralectotypes.

Lectotype ♂: "Collection Wm Schaus; Castro, Parana; Type No. 11075 U.S.N.M.; *Hylarctia sericea* Schs type; Lectotype ♂ *Hylarctia sericea* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW618."

Euchaetias antica sinaloensis Dyar

PLATES 26d; 80a,b

Euchaetias antica sinaloensis Dyar, 1921, p. 59.

Forewing 15.0 mm. Front of head worn; vertex orange-yellow, with large greyish brown medial patch between antennae. Thorax greyish brown except for orange-yellow anterior margin to tegulae and patagia. Forewing greyish brown, with orange-yellow costa. Hindwing greyish brown distally, transparent proximally. Abdomen brownish orange except for black lateral band on each side, and reddish orange tail fringe.

A single male "type" is designated in the original description; together with seven female paratypes, all from Venadio, Sinaloa, Mexico.

Holotype ♂: "Venadio, Sinaloa; Mex.; Type No. 24020 U.S.N.M.; *Euchaetias antica sinaloensis* Dyar Type; Holotype ♂ *Euchaetias antica sinaloensis* Dyar A.W. 1967; Arctiidae genitalia slide No. AW480."

Amastus pseuderebella subterminata Dognin

PLATES 12d; 95d; 96a

Amastus subterminata Dognin, 1912c, p. 5.*Amastus pseuderebella subterminata* Dognin.—Seitz, 1924, p. 421.

Forewing 27.5 mm. Front of head yellowish white; vertex brown. Anterior margin of tegulae and posterolateral corner of each patagium yellowish white; rest of thorax brown. Forewing translucent greyish brown; costa slightly paler. Hindwing greyish yellow; translucent except at outer margin and anterior margin. Abdomen greyish yellow anteriorly on dorsal surface, and on segment 2 ventrally; rest of abdomen brown.

Described from a single female from Monte Tolima, Colombia.

Holotype ♀: "Dognin Collection; 225; Type No. 30408 U.S.N.M.; Monte Tolima, 3200 m., Colomb. Cent. Cord., Coll. Fassel; *Amastus subterminata* Dogn. type ♀. H.12; Holotype ♀ *Amastus subterminata* Dognin A.W. 1967; Arctiidae genitalia slide No. AW546."

Ecpantheria suffusa (Schaus)

PLATES 2a; 35a-c

Arachnis suffusa Schaus, 1889, p. 190.*Ecpantheria suffusa* (Schaus) Hampson, 1901a, pp. 385, 386.

Forewing 22.0 mm. Front of head dark greyish brown except for yellowish white transverse band immediately above labrum; vertex yellowish white. Thorax yellowish white, the black markings enclosing light greyish yellow areas. Forewing white, with some pale yellow along costa and anally at base of wing; markings greyish yellow, edged with black. Hindwing white, slightly yellowish, with dark brown markings anteriorly. Dorsal surface of abdomen orange-yellow, with medial row of black transverse bands on segments 5-8, and lateral row on 3-8; ventrally light yellow, with single pair of black spots on segments 5 and 8, and two pairs of black spots on 6 and 7.

Described from one male and two females from Rinconada, Vera Cruz, Mexico. The two female paralectotypes are in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus; Rinconada, V. Cruz; Type No. 11118 U.S.N.M.; *Arachnis suffusa* Schs Type ♂; Lectotype ♂; *Arachnis suffusa* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW467."

Spodarctia superpulverea Dyar

PLATES 22e; 71a,b

Spodarctia superpulverea Dyar, 1925, p. 3.

Forewing 17.0 mm. Head and thorax yellowish grey. Forewing yellowish white, speckled with black. Hindwing white. Dorsal surface of segment 1 yellowish white, with pinkish white anterior margin and with black medial patch; segment 2 similar to 1, but with black lateral patch on each side; segments 3-8 with broad, transverse, black medial band at posterior margin and black lateral patch on each side. Ventral surface of abdomen yellowish white.

A single male type (USNM 27914) from Colima, Mexico, is designated in the original description.

Holotype ♂: "Type No. 27914 U.S.N.M.; Colima Mex. Oct. 1924. R. Müller, 11217; Holotype ♂ *Spodarctia superpulverea* Dyar A.W. 1967; Arctiidae genitalia slide No. AW498."

***Amastus supersimilis* Dognin**

PLATES 14e; 98a

Amastus supersimilis Dognin, 1923, p. 6.

Forewing 43.5 mm. Head orange-white except for brownish orange posterior margin. Thorax orange-white and brownish orange. Forewing greyish brown and greyish orange. Hindwing light yellowish grey, with brownish orange and greyish brown anteromarginal markings. Abdomen brownish orange dorsally, yellowish brown ventrally; pleural region yellowish brown, bordered dorsally by black and ventrally by black-edged orange line.

Described from two females from San Francisco, near Loja, Ecuador. The paralectotype is in the USNM collection.

Lectotype ♀: "Dognin Collection; 20; Type No. 30392 U.S.N.M.; San-Francisco, Loja, Equateur, août 86; Climat tempéré, altitude 2000 mètres; *Ochroceator* Walk. Brit. Mus.; *Amastus persimilis* Hmps ♀ Hmps 15.2.02; *Amastus supersimilis* Dgn. type ♀; Lectotype ♀ *Amastus supersimilis* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW612."

***Elysius systron* Schaus**

PLATES 20d; 65c,d

Elysius systron Schaus, 1904, p. 137.

Forewing 24.5 mm. Head dark brown, with orange-yellow patch immediately ventral to each antenna and another at posterior margin directly posterior to each antenna. Tegulae dark brown, edged anteriorly, laterally, and medially with orange-yellow; patagia dark brown, each with orange-yellow anterior spot; rest of thorax dark brown. Forewing dark brown, with pale yellow markings; slightly iridescent. Hindwing greyish brown; darkest at apex and along outer margin. Segment 1 of abdomen light yellowish brown dorsally, remainder black, with transverse orange band in anterior half of each segment; ventral surface of abdomen dark brown except for yellowish brown segment 2.

Described from an unspecified number of specimens from Castro, Paraná, [Brazil]. There are no specimens other than the lectotype in the USNM collection.

Lectotype ♂: "Collection Wm. Schaus, Castro, Parana; Type No. 11063 U.S.N.M.; *Elysius systron* Schs type; Lectotype ♂ *Elysius systron* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW565."

***Turuptiana tenebra* (Schaus)**

PLATES 3d; 39c,d

Arachnis tenebra Schaus, 1894, p. 231.*Turuptiana tenebra* (Schaus) Hampson, 1901a, p. 428.

Forewing 21.0 mm. Front of head black, vertex white. Thorax and forewing dark greyish brown (nearly black) and white. Hindwing greyish brown. Abdomen dark greyish brown, with yellow patch on each side of segments 3-7.

Described from an unspecified number of specimens (stated to be female!) from Orizaba, Mexico. There is one specimen in the USNM collection from the type-locality, other than the lectotype.

Lectotype ♂: "Collection Wm. Schaus; Orizaba, Mex.; Type No. 11121 U.S.N.M.; *Arachnis tenebra* Schs Type; Lectotype ♂ *Arachnis tenebra* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW493."

***Acyclania tenebrosa* Dognin**

PLATES 27a; 81c,d

Acyclania tenebrosa Dognin, 1911b, p. 15.

Forewing 27.5 mm. Front of head orange, ventral to acuminate frontal process; rest of head a mixture of dark greyish brown and orange-white, with orange posterior margin. Thorax a mixture of dark greyish brown (weakly iridescent) and orange-white, with some orange scales posterolaterally. Wings brownish white and brown. Abdomen dark greyish brown, with a few yellowish white scales posteriorly, especially on dorsal surface; tergum of segment 1 with orange anterolateral patch on each side; tail fringe orange.

Described from a single male from San Ignacio, "Mt. Parana," Misiones, Argentina. [Paraná is a state in neighbouring Brazil.]

Holotype ♂: "République Argne, Haut-Parana, San Ignacio, Misiones; Dognin Collection; Collection Wagner; Type No. 30443 U.S.N.M.; août;

Acyclania g.n. nr. *Clanidophora tenebrosa* Dogn. type ♂. Hmps. 6/11; Holotype ♂ *Acyclania tenebrosa* Dognin A.W. 1967; Arctiidae genitalia slide No. AW538."

***Hemihyalea tenuimargo* Dognin**

PLATES 5c; 43c,d

Hemihyalea tenuimargo Dognin, 1912c, p. 5.

Forewing 29.0 mm. Front of head light brown, vertex greyish brown. Tegulae and patagia brown, the latter with central, longitudinal, orange band (broadest anteriorly); rest of thorax orange-red. Forewing light brown at base, along anal margin, and at outer margin; rest of wing devoid of scales. Hindwing pale yellow at margins, between Cu_1 and anal margin, and along veins. Dorsal surface of abdomen greyish red medially on segments 1-5, otherwise greyish yellow; ventral surface greyish yellow.

Described from two males from Bogotá, Colombia. The paralectotype is in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30424 U.S.N.M.; Bogota, Colombia, 28-3200 m., Coll. Fassl; *Hemihyalea tenuimargo* Dogn type ♂. 11.10.12; Lectotype ♂ *Hemihyalea tenuimargo* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW606."

***Hyalarctia tepica* Dyar**

PLATES 24b; 75c,d

Hyalarctia tepica Dyar, 1914b, p. 369.

Forewing 21.5 mm. Head orange-yellow. Tegulae orange-yellow, with central black spot. Patagia orange-yellow anteriorly, with black spot; posteriorly yellowish white. Rest of thorax yellowish white. Forewing white, the veins dark greyish brown except for discocellular vein. Hindwing white. Abdomen light yellow.

A single male type described as female by Dyar (USNM 16444) from Itapa [Ixtapa?], near Tepic, Mexico, is designated in the original description.

Holotype ♂: "R. Muller, Collector; 1658; Itapa, near Telic, Mexico; Type No. 16444 U.S.N.M.; *Hyalarctia tepica* Dyar. Type ♂. F.W. 6.7. stalked? abnormal; need another n.gen?; Holotype ♂

Hyalarctia tepica Dyar A.W. 1967; Arctiidae genitalia slide No. AW619."

***Ecpantheria theophila* Dognin**

PLATES 1b; 32d-f

Ecpantheria theophila Dognin, 1902, p. 233.

Forewing 28.0 mm. Front of head dark brown, vertex pale yellow. Thorax pale yellow and dark greyish brown (the latter dark areas slightly iridescent turquoise). Forewing pale yellow and dark greyish brown; veins ventral and distal to cell orange-yellow. Hindwing pale yellow, orange-yellow anally, markings dark greyish brown. Segments 1-3 of dorsal surface of abdomen dark greyish brown medially; 4-7 dark greyish brown, with turquoise iridescence medially and with orange posterior fringe; 1-7 orange laterally; segment 8 dark greyish brown, with turquoise iridescence and orange lateral line; color of lateral line of spots as for medial markings. Ventral surface of abdomen light yellow except for iridescent dark greyish brown turquoise on segment 8.

Described from one male and one female from Popayán, Colombia. The male has been chosen as the lectotype.

Lectotype ♂: "Dognin Collection; not in B.M.; Vu Hmps. Aout 05; *Ecpantheria* n.sp. ♂ Hmps. 15.2.02; Popayan, Colombia, 1896; *Ecpantheria theophila* Dgn. type ♂; Arctiidae genitalia slide No. AW453; Lectotype ♂ *Ecpantheria theophila* Dognin By A. Watson 1967."

***Amastus thermidora* Dognin**

PLATES 14f; 98b

Amastus thermidora Dognin, 1913, p. 4.

Forewing 41 mm. Head very dark greyish brown, with pastel red posterior margin. Tegulae and patagia very dark greyish brown; the patagia with greyish yellow fringes; rest of thorax dark greyish brown and pastel red. Dorsal surface of abdomen pastel red except for lateral and posterior greyish brown areas; ventrally greyish brown with orange-yellow posterior fringes to segments 4-7.

Described from a single female from near Loja, Ecuador.

Holotype ♀: "Environs de Loja, Equateur, 1892; Dognin Collection; Type No. 30404 U.S.N.M.; *Amastus thermidora* Dogn. type ♀ Hmps. 2.13; *Phaegoptera ambrosia* Druce ♀ Proc. Zool. Sy. 1890 page 498 . . . ; *Amastus ambrosia* Druce ♀ var. not in B.M. Hmps. 1/10; Holotype ♀ *Amastus thermidora* Dognin A.W. 1967; Arctiidae genitalia slide No. AW544."

***Elysius thraillkilli* (Schaus)**

PLATES 19f; 102d; 103a

Ammalo thraillkilli Schaus, 1892, p. 280.

Elysius thraillkilli (Schaus) Hampson, 1901a, p. 109.

Forewing 30 mm. Head mainly greyish orange, but with dark greyish brown supralabial band on front. Tegulae greyish yellow, with darker centers. Patagia very dark greyish brown, with dark greyish orange fringe. Rest of thorax dark greyish orange. Forewing coloration a mixture of dark greyish brown and greyish yellow. Hindwing pale orange. Abdominal segments 1 and 2 light orange dorsally, 3-7 very dark greyish brown, with light orange posterior margin, segment 8 light orange. Abdomen light greyish orange ventrally.

Described from an unspecified number of examples from Paso de San Juan, Vera Cruz, Mexico. There are no specimens in the USNM collection from the type-locality, other than the lectotype.

Lectotype ♀: "Paso San Juan; LJ6; Collection Wm Schaus; Type No. 11061 U.S.N.M.; *Ammalo thraillkilli* Schaus Type; Lectotype ♀ *Ammalo thraillkilli* Schaus By A.W. 1967; Arctiidae genitalia slide No. AW560."

***Ischnocampa tovia* Dognin**

[This is a junior synonym of *Ischnocampa discopuncta* (Hampson), 1901b, p. 175, teste Hampson, 1920, p. 231.]

PLATES 10a; 52a,b

Ischnocampa tovia Dognin, 1904, p. 115.

Forewing 22.0 mm. Vertex of head pale greyish yellow, with brown medial line; front similar dorsally, worn ventrally, but at least partly brown. Tegulae a mixture of brown and pale greyish yellow, each with brown medial and lateral fringes; patagia clothed in brown and pale greyish yellow, each edged anterolaterally with brown; rest of

thorax brown and pale greyish yellow, with brown medial line. Forewing pale yellow, with greyish yellow and brown markings. Hindwing a yellowish white, with distal greyish brown suffusion. Dorsal surface of abdomen yellowish brown, with greyish yellow tail fringe; ventral surface greyish yellow.

Described from two males from Santo Domingo, Carabaya, Peru. The paralectotype is in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30381 U.S.N.M.; Santo-Domingo, Carabaya, S.E. Pérou; *Ischnocampa tovia* Dgn. type ♂; Lectotype ♂ *Ischnocampa tovia* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW585."

***Ischnocampa tristis* (Schaus)**

PLATES 7f; 92a

Opharus tristis Schaus, 1889, p. 191.

Ischnocampa tristis (Schaus) Hampson, 1901a, p. 116.

Forewing 27.0 mm. Head and thorax greyish brown. Forewing greyish brown. Hindwing greyish brown, translucent proximally except along anal margin. Dorsal surface of abdomen greyish brown; segments 2-6 with two white patches on each side, segment 8 with single white lateral spot. Ventral surface greyish brown, with white lateral spot on each side of segments 2-7.

Described from a single female [stated to be a male in the original description] from Jalapa, Mexico.

Holotype ♀: "Collection Wm Schaus; Jalapa, Mex.; Type No. 11068 U.S.N.M.; *Opharus dolens* Druce Comp. type; *Opharus tristis* Schs. type; Holotype ♀ *Opharus tristis* Schaus A.W. 1967; Arctiidae genitalia slide No. AW593."

***Amastus tumbilla* (Dognin)**

PLATES 6b; 46a,b

Phaegoptera tumbilla Dognin, 1897, p. 25.

Amastus tumbilla (Dognin) Hampson, 1901a, p. 142.

Forewing 29.0 mm. Head greyish orange. Tegulae light brown, rest of thorax greyish orange. Forewing dull yellowish white. Hindwing white. Dorsal surface of abdomen greyish yellow, lightest anteriorly; orange spot on each side of segments 2-8; tail fringe orange-yellow. Ventral surface dark greyish yellow, with orange-yellow tail fringe.

Described from a single male from Loja [Ecuador].

Holotype ♂: "Dognin Collection; Type No. 30407 U.S.N.M.; Environs de Loja, Equateur, 89; retourné pr. Schs sans nom 96; *Phaegoptera tumbilla* Dgn type ♂; *Phaegoptera cornea* Moritz H. Sch. 61.62?; retourné pr Schs sans nom août 94; pas *cornea* de Druce avril 91; . . . Berlin . . . 1891; Holotype ♂ *Phaegoptera tumbilla* Dognin A.W. 1967; Arctiidae genitalia slide No. AW622."

***Antarctia valstana* Schaus**

PLATES 30a; 85c,d

Antarctia valstana Schaus, 1933, p. 587.

Forewing 16.5 mm. Head, thorax, and forewing dark greyish brown. Hindwing pale yellow; outer marginal fringe greyish brown anteriorly. Abdomen golden yellow dorsally, with broad, greyish brown longitudinal band medially; ventrally greyish brown.

A single male (USNM 34447) from Tucuman, Argentina, is designated in the original description.

Holotype ♂: "Collection Wm Schaus; Tucuman, Argentina; Type No. 34447 U.S.N.M.; *Antarctia valstana* Schs type; Holotype ♂ *Antarctia valstana* Schaus A.W. 1967; Arctiidae genitalia slide No. AW530."

***Amastus vandregisili* Schaus**

PLATES 13f; 96d

Amastus vandregisili Schaus, 1924, p. 34.

Forewing 41.0 mm. Front of head white, vertex brownish red. Tegulae white anteriorly, brownish orange posteriorly, these two areas separated by narrow black line. Patagia brownish orange, with narrow black, then white, lateral borders. Rest of thorax worn, but brownish red anteriorly and at posterior margin. Forewing brownish orange, with greyish brown fasciae. Hindwing yellowish white; translucent except at margins of wing. Dorsal surface of abdomen orange; segments 3-6 with black-edged white spot on each side (largest on 4); segment 7 with W-shaped, white-tipped, black posterior margin; pleural area of abdomen deep orange ventrally, white dorsally, each band of color

edged dorsally and ventrally with black; abdomen greyish orange ventrally.

A single female type (USNM 26237), from Ecuador, is designated in the original description.

Holotype ♀: "Ecuador; Collection Wm. Schaus; Type No. 26327 U.S.N.M.; *Amastus vandregisili* Schs type; Holotype ♀ *Amastus vandregisili* Schaus A.W. 1967; Arctiidae genitalia slide No. AW608."

***Antarctia variegata* (Schaus)**

PLATES 31c; 89c,d

Motada variegata Schaus, 1896, p. 143.

Antarctia variegata (Schaus) Hampson, 1901a, p. 445.

Forewing 22.0 mm. Front of head very dark greyish brown; vertex brownish yellow. Tegulae greyish yellow; rest of thorax a mixture of greyish brown and greyish yellow. Forewing white and yellowish brown. Hindwing white, with markings more greyish than forewing. Dorsal surface of abdomen greyish brown medially, greyish yellow laterally; ventral surface greyish yellow.

Described from an unspecified number of specimens [greater than 3] from São Paulo, Brazil. The lectotype is the only specimen from the type-locality in the USNM collection.

Lectotype ♂: "Collection Wm Schaus; São Paulo, S.E. Brazil; Type No. 11128 U.S.N.M.; *Antarctia variegata* Schs. type; Lectotype ♂ *Motada variegata* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW520."

***Antarctia venata* Schaus**

PLATES 29a; 106a

Antarctia venata Schaus, 1894, p. 233.

Forewing 17.0 mm. Head light brown. Thorax mostly yellowish brown, but light brown anteriorly. Forewings yellowish brown and yellowish white. Hindwing yellowish white. Abdomen greyish yellow dorsally, brown ventrally; tail fringe pale yellow.

Described from an unspecified number of females from Castro, Paraná, [Brazil]. One male and one female specimen in the USNM collection from the type-locality may represent paralectotypes.

Lectotype ♀: "Collection Wm. Schaus; Castro, Parana; Type No. 11132 U.S.N.M.; *Antarctia venata* Schs. Type; Lectotype ♀ *Antarctia venata* Schaus By A. Watson 1967; Arctiidae genitalia slide No. AW533."

Amastus vesta Dognin

PLATES 12b; 95b

Amastus vesta Dognin, 1923, p. 6.

Forewing 37.5 mm. Front of head yellowish white, vertex yellowish brown. Tegulae and patagia yellowish grey and white, these areas of color separated by narrow black line. Rest of thorax brownish red. Forewing greyish brown, more yellowish in costal area. Hindwing light greyish brown. Dorsal surface of abdominal segment 1 brownish red; 2-5 brownish red medially, golden yellow laterally, with large, black-edged white spot on each side; 6 golden yellow, with small black medial spot and large lateral spots as in 2-5; segment 7 golden yellow anteriorly, white posteriorly, the two areas of color separated by black, W-shaped line. Pleural region of abdomen greyish yellow dorsally, orange ventrally, each longitudinal band of color edged with black; ventrally greyish yellow.

Described from a single female from Bogotá, Colombia.

Holotype ♀: "Dognin Collection; Bogota, Colombia, Apollinaire, iv.19; *Amastus vesta* Dgn. type ♀; Type No. 30406 U.S.N.M.; Holotype ♀ *Amastus vesta* Dognin A.W. 1967; Arctiidae genitalia slide No. AW615."

Amastus volcancita Dognin

PLATES 14c; 97c

Amastus volcancita Dognin, 1911b, p. 10.

Forewing 37.0 mm. Head greyish yellow. Tegulae greyish yellow at anterior margin, followed by black transverse band; remainder brownish orange. Patagia olive brown; darkest next to wing base. Segments 1-5 of abdomen reddish orange dorsally, 6 and 7 black with orange-yellow tail fringe; ventral surface of abdomen greyish yellow.

Described from a single female from Volcancito, Quindin, Colombia.

Holotype ♀: "Dognin Collection; Type No.

30401 U.S.N.M.; 9.09 Volcancito Quindiu [sic] 3500 m.; . . . Hampson 11/11/11; près *Amastus ambrosia* Dr. Schs 6/11; *Amastus volcancita* Dgn. type ♀; Holotype ♀ *Amastus volcancita* Dognin A.W. 1967; Arctiidae genitalia slide No. AW549."

Antarctia vulpecula Dognin

PLATES 30e; 87c,d

Antarctia vulpecula Dognin, 1907, p. 230.

Forewing 17.0 mm. Head and thorax brownish orange. Forewing light brownish orange. Hindwing very light yellowish white. Fringe of both fore- and hindwing grey. Abdomen greyish yellow dorsally, with same orange-yellow anteriorly; ventrally brown except for orange-yellow anterior border to segment 2 and greyish yellow posterior fringe to each segment.

Described from three males from Oconeque, Carabaya, Peru. The two male paralectotypes are in the USNM collection.

Lectotype ♂: "Dognin Collection; Type No. 30444 U.S.N.M.; Oconeque, Carabaya, Pérou S.E.; *Antarctia vulpecula* Dgn. type ♂; Lectotype ♂ *Antarctia vulpecula* Dognin By A. Watson 1967; Arctiidae genitalia slide No. AW527."

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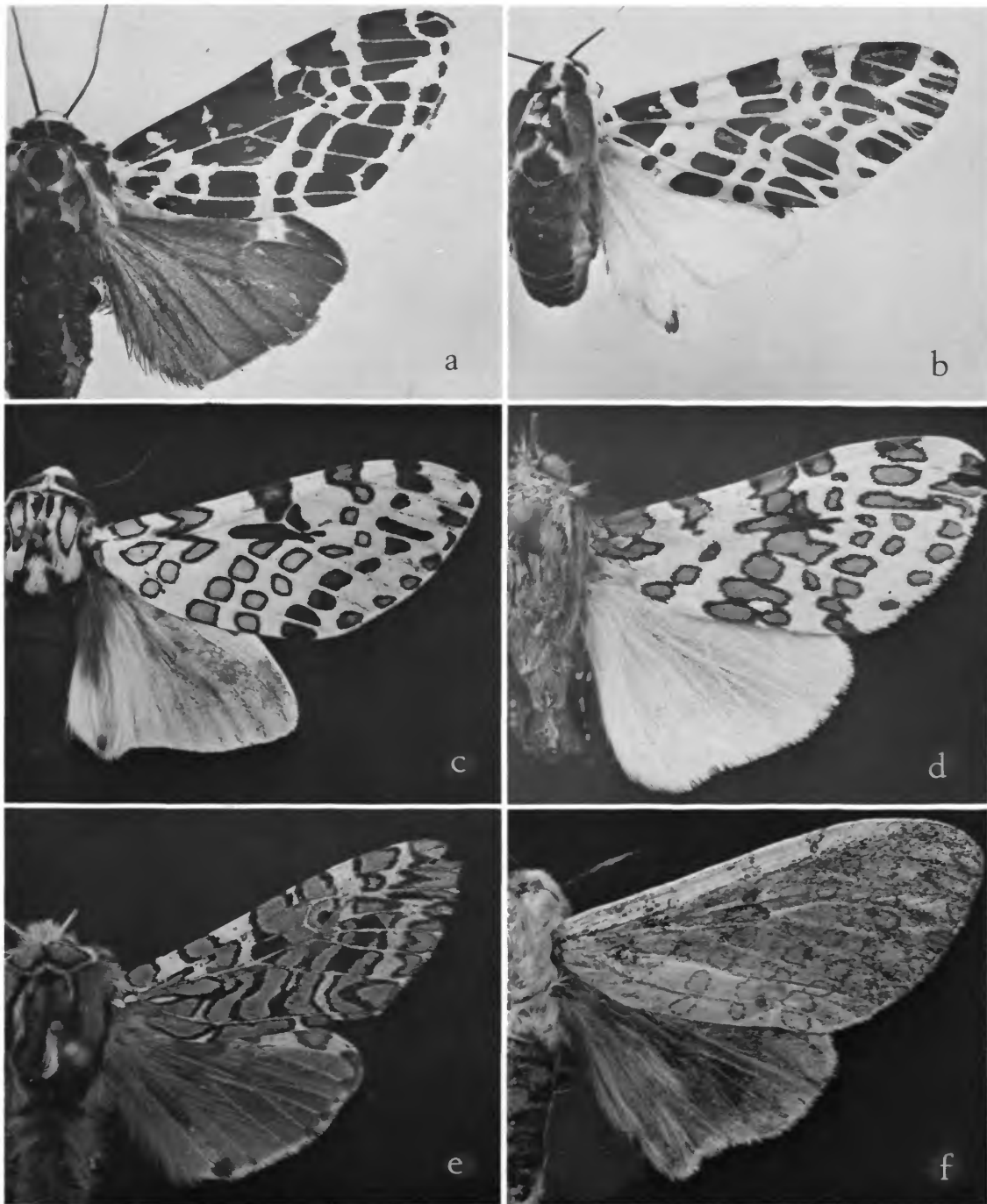


PLATE 1.—*a*, *Ecpantheria atra* ab. *eminens* (H. Edwards), left side; *b*, *E. theophila* Dognin; *c*, *E. jaguarina* Schaus; *d*, *E. obtecta* Dognin; *e*, *Arachnis picta perotensis* Schaus; *f*, *Ecpantheria cretacea* Dognin.

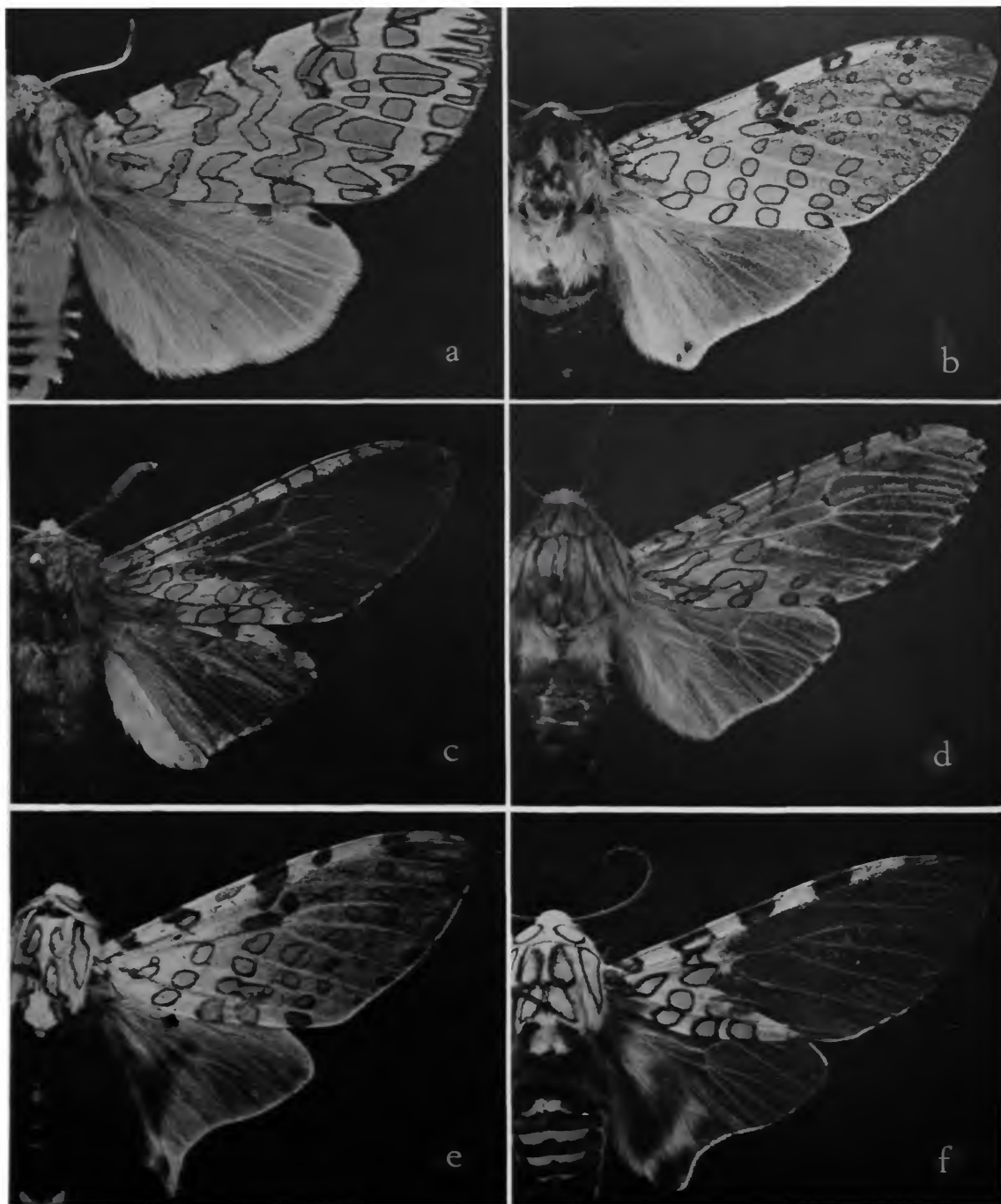


PLATE 2.—*a*, *Ecpantheria suffusa* (Schaus); *b*, *E. campinasa* Schaus; *c*, *E. pellucida* Schaus [junior synonym of *E. heterogena* Oberthür]; *d*, *E. hambletoni* Schaus; *e*, *E. perplexa* Schaus; *f*, *E. robusta* Dognin.

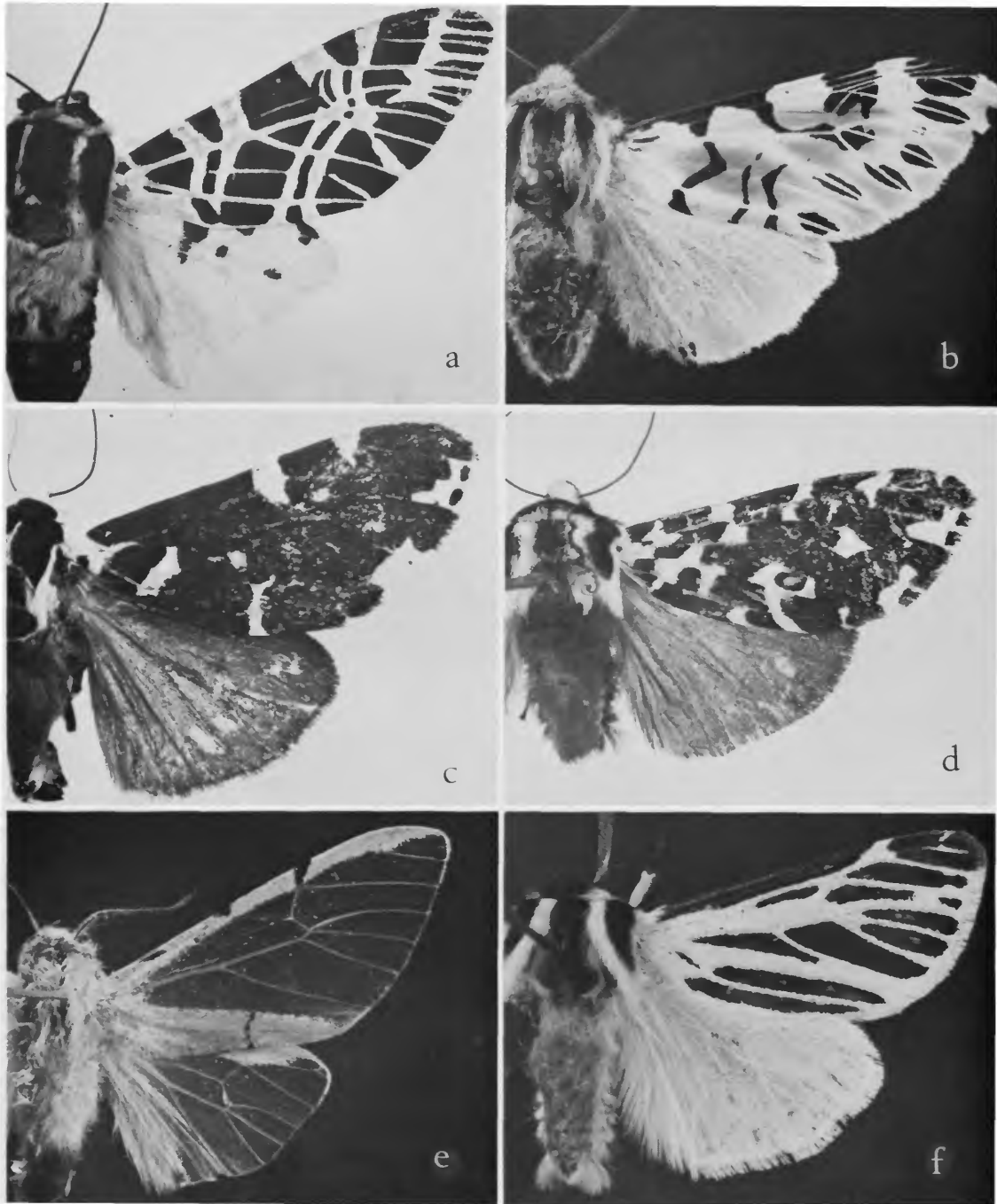


PLATE 3.—*a*, *Epantheria euripides* Dyar; *b*, *E. hebona* Dognin [junior synonym of *Turuptiana neurophylla* Walker]; *c*, *E. andromela* Dyar, left side; *d*, *Turuptiana tenebra* (Schaus); *e*, *T. dissimilis* (Schaus); *f*, *T. panoezys* Dyar.

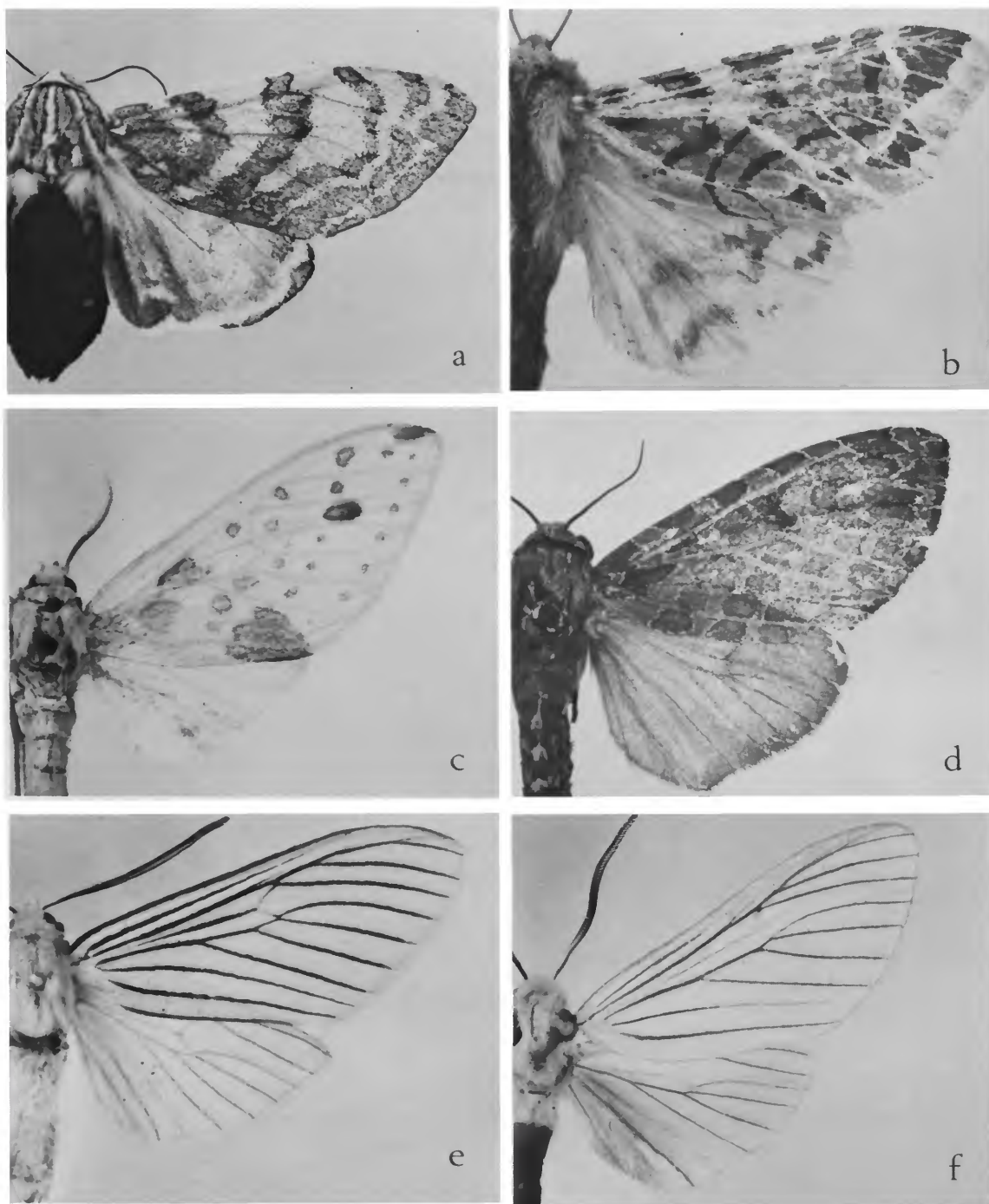


PLATE 4.—*a*, *Ecpantheria gaujoni* Dognin; *b*, *Turuptiana obscura* Schaus; *c*, *Prumala erratum* (Schaus); *d*, *Ecpantheria flavopunctata* Schaus; *e*, *Pseudischnocampa nigrivena* (Schaus); *f*, *P. nigradorsata* (Schaus).

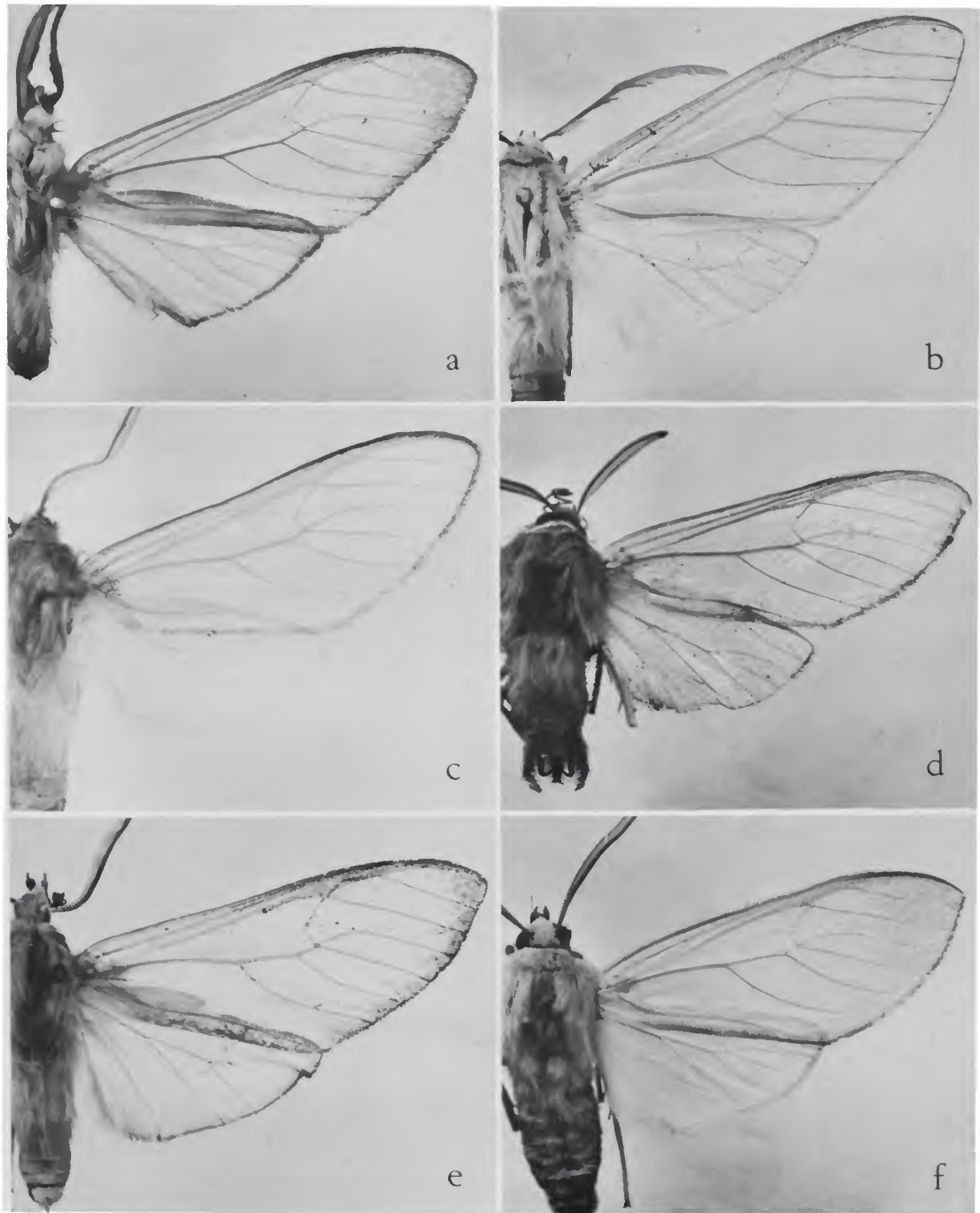


PLATE 5.—*a*, *Hemihyalea erganoides* Dognin; *b*, *H. hyalina* (Dognin); *c*, *H. tenuimargo* Dognin; *d*, *H. camposi* Schaus; *e*, *H. parergana* Dognin; *f*, *H. ergana* (Dognin).

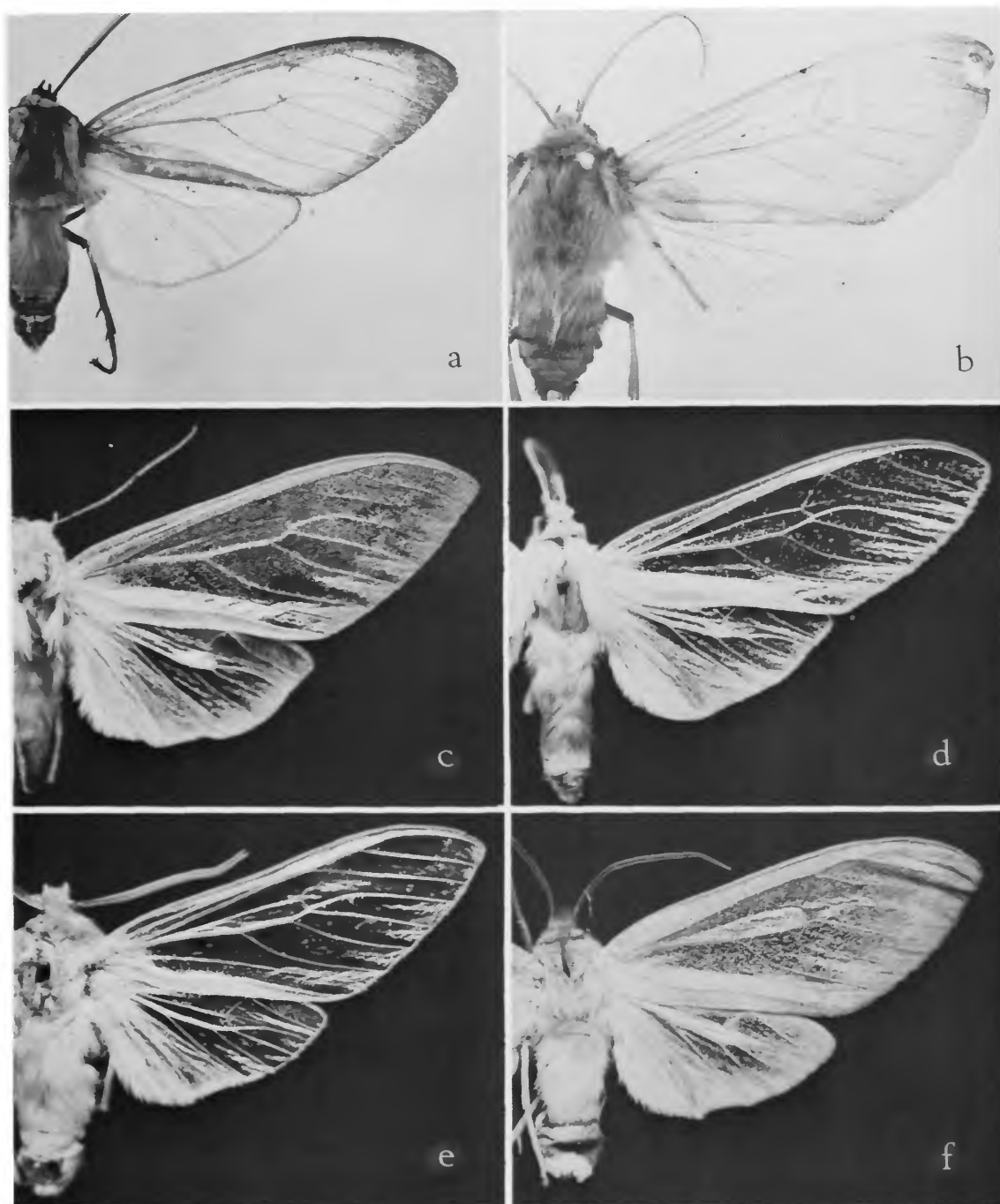


PLATE 6.—*a*, *Amastus esamenae* Schaus; *b*, *A. tumbilla* (Dognin); *c*, *A. genoveva* (Dognin); *d*, *A. rubridorsata* Dognin; *e*, *A. reinona* Schaus; *f*, *A. diaphenes* Dyar.

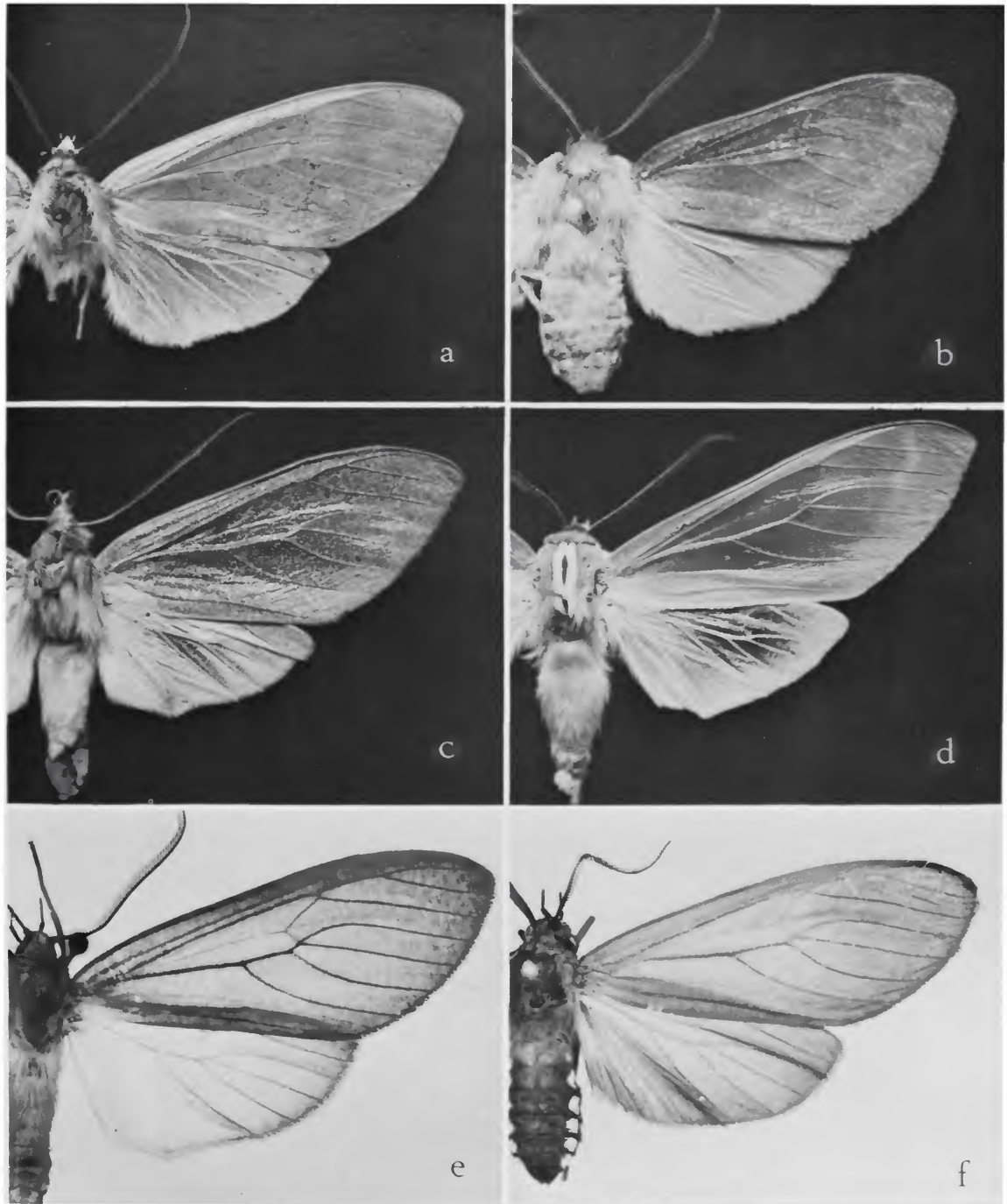


PLATE 7.—*a*, *Amastus rothschildi* Dognin; *b*, *A. medica* (Dognin); *c*, *A. scriblita* Dognin; *d*, *A. coccinator* Schaus; *e*, *Ischnocampa ferrea* Dognin; *f*, *I. tristis* (Schaus).

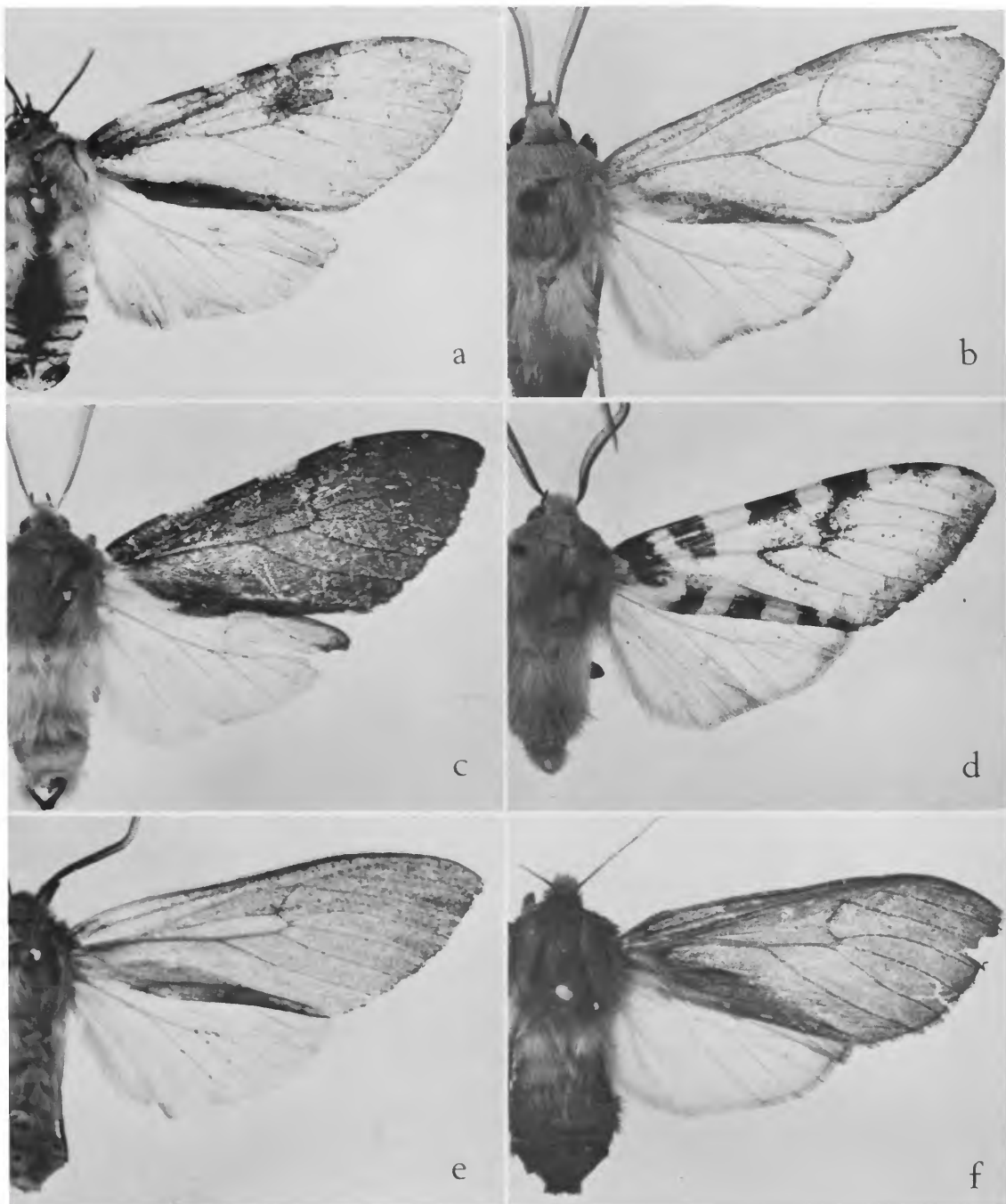


PLATE 8.—*a*, *Romualdia opharina* (Schaus); *b*, *Hemihyalea rhoda hidalgonis* Dyar [junior synonym of *Pseudohemihyalea rhoda* (Druce)]; *c*, *H. nimbipicta* Dyar; *d*, *H. euornithia* Dyar; *e*, *H. annario* Dyar; *f*, *H. melas* (Dognin).

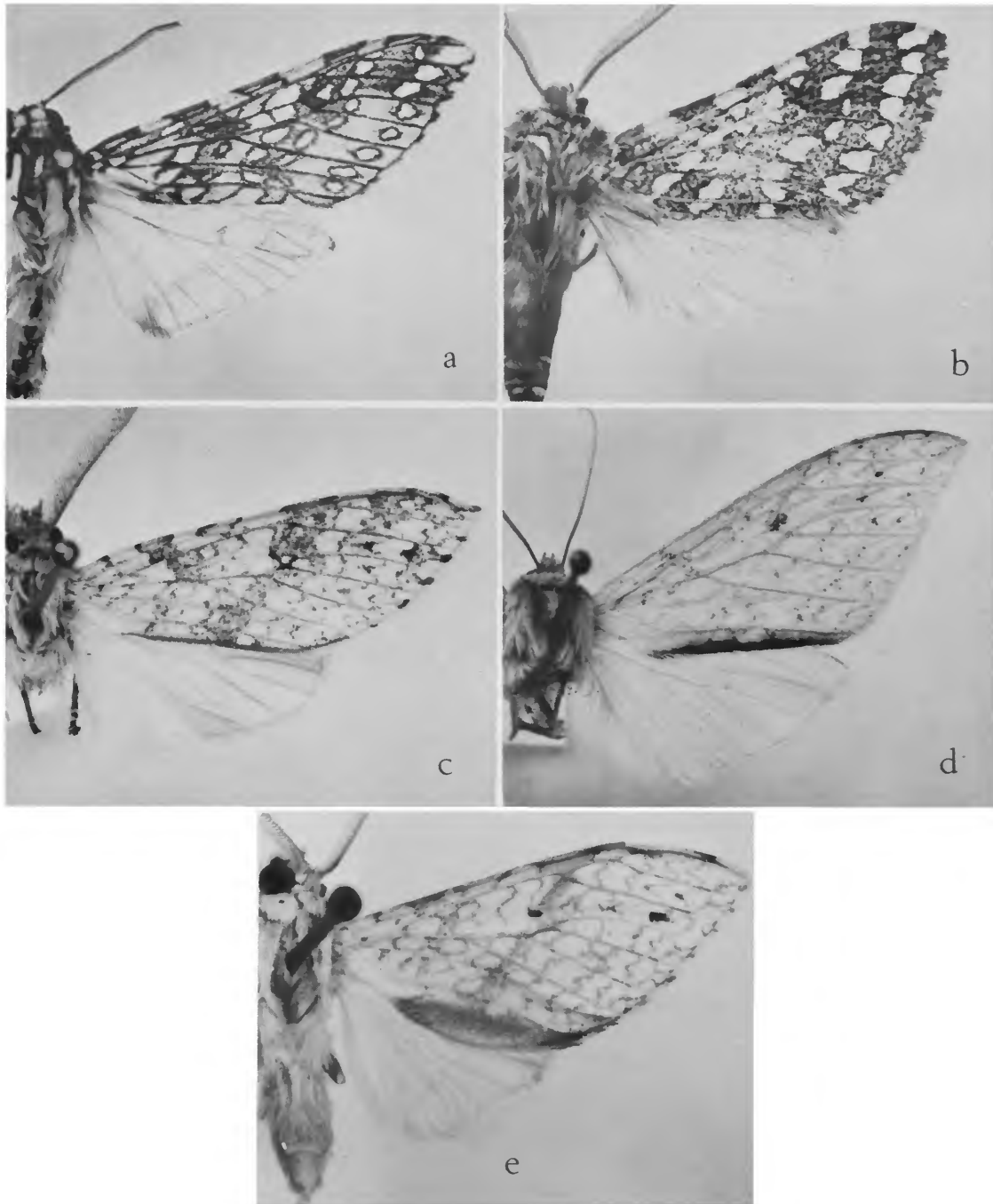


PLATE 9.—*a*, *Elysium arpi* Dognin; *b*, *Halisidota andensis* (Schaus); *c*, *H. pectina* Schaus [junior synonym of *Halisidota alsus* Cramer]; *d*, *H. margona* Schaus; *e*, *Thalesa debilis* Schaus.

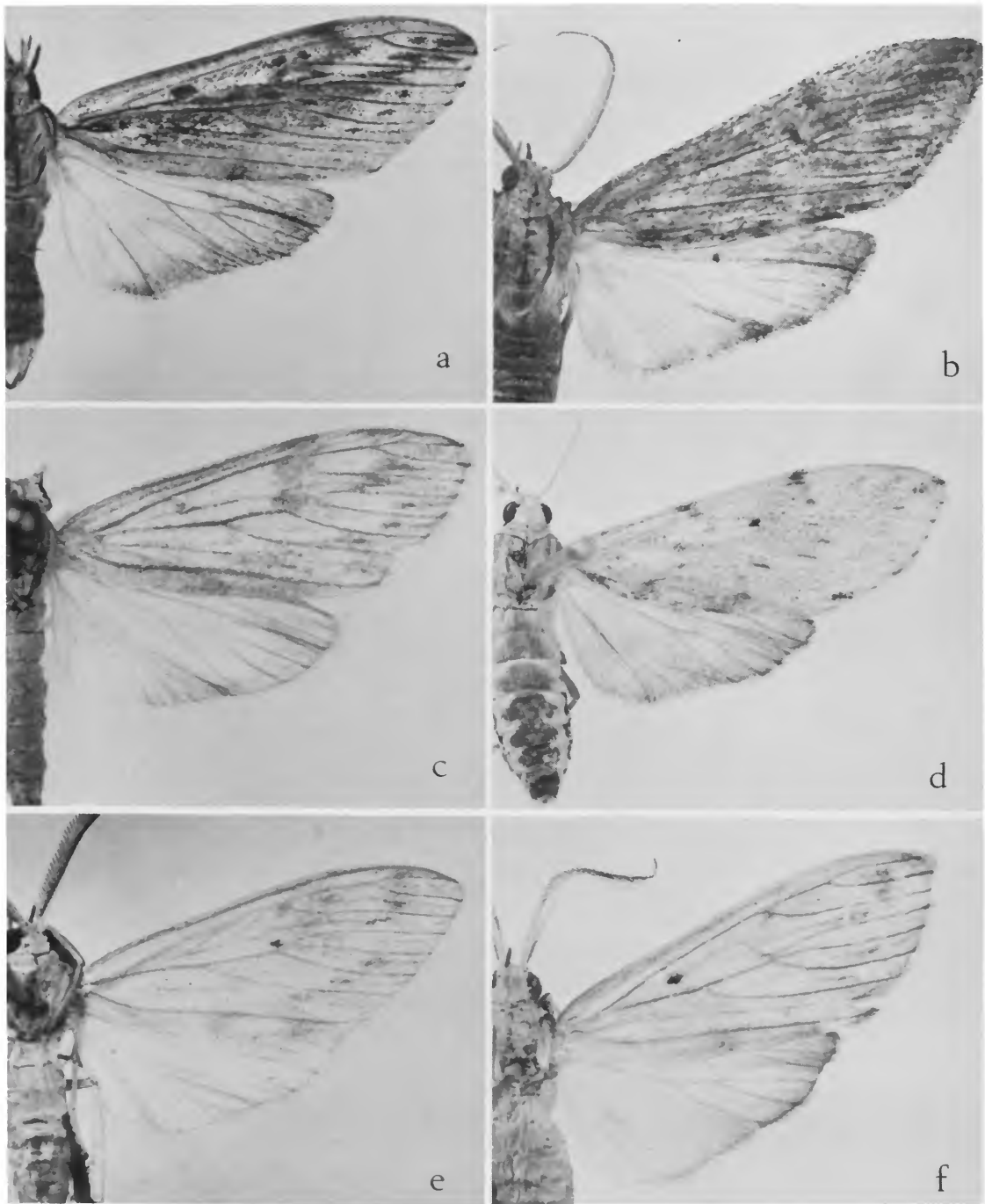


PLATE 10.—*a*, *Ischnocampa tovia* Dognin [junior synonym of *I. discopuncta* (Hampson)]; *b*, *I. nubilosa* (Dognin); *c*, *I. remissa* (Dognin); *d*, *I. celer* (Schaus); *e*, *I. achrosis* Dognin; *f*, *I. mamona* (Dognin).



PLATE 11.—*a*, *Ichnocampa huigra* Schaus; *b*, *I. ignava* Dognin; *c*, *I. lugubris* (Schaus);
d, *I. albiceps* Dognin.

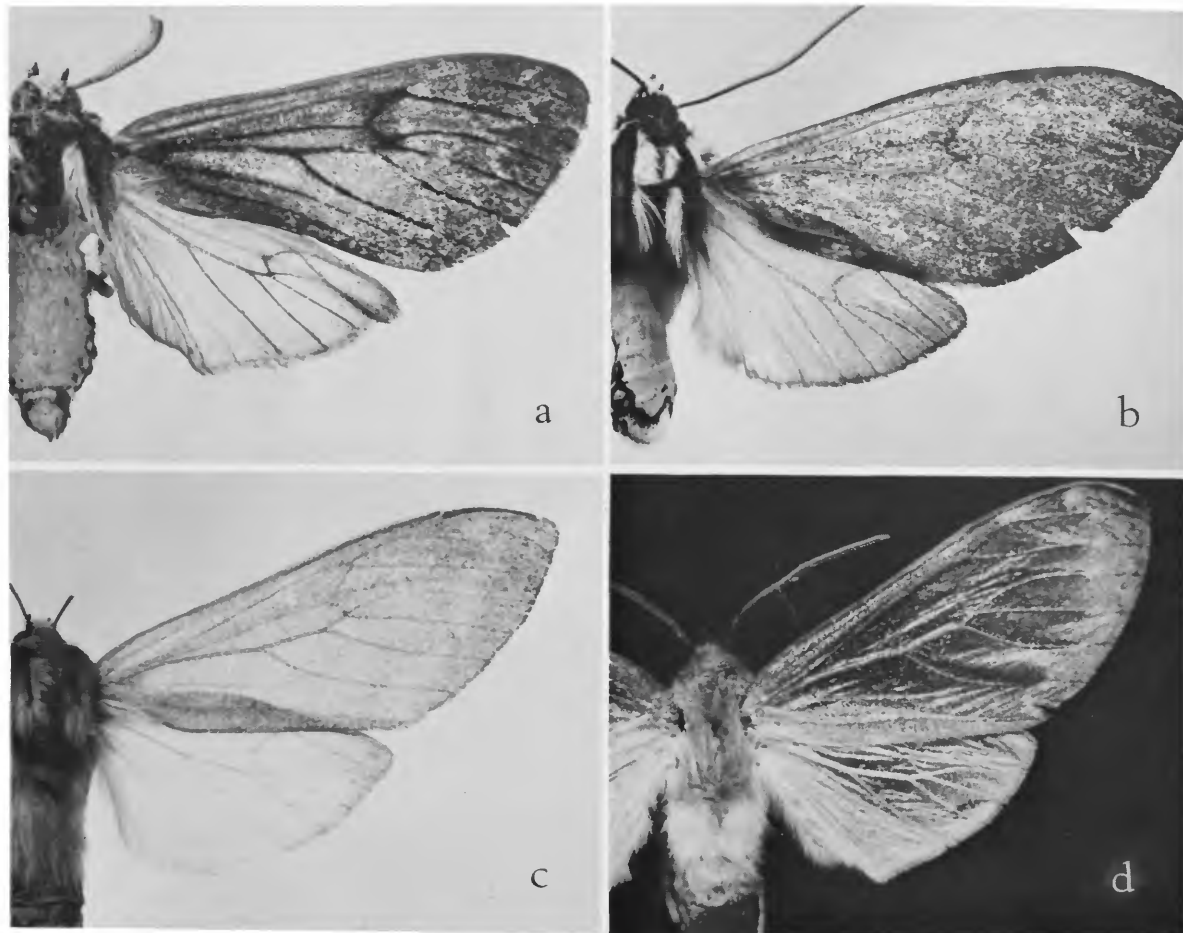


PLATE 12.—*a*, *Amastus antonio* Dognin; *b*, *A. vesta* Dognin; *c*, *A. jeritzae* Schaus; *d*, *A. pseuderebella subterminata* Dognin.

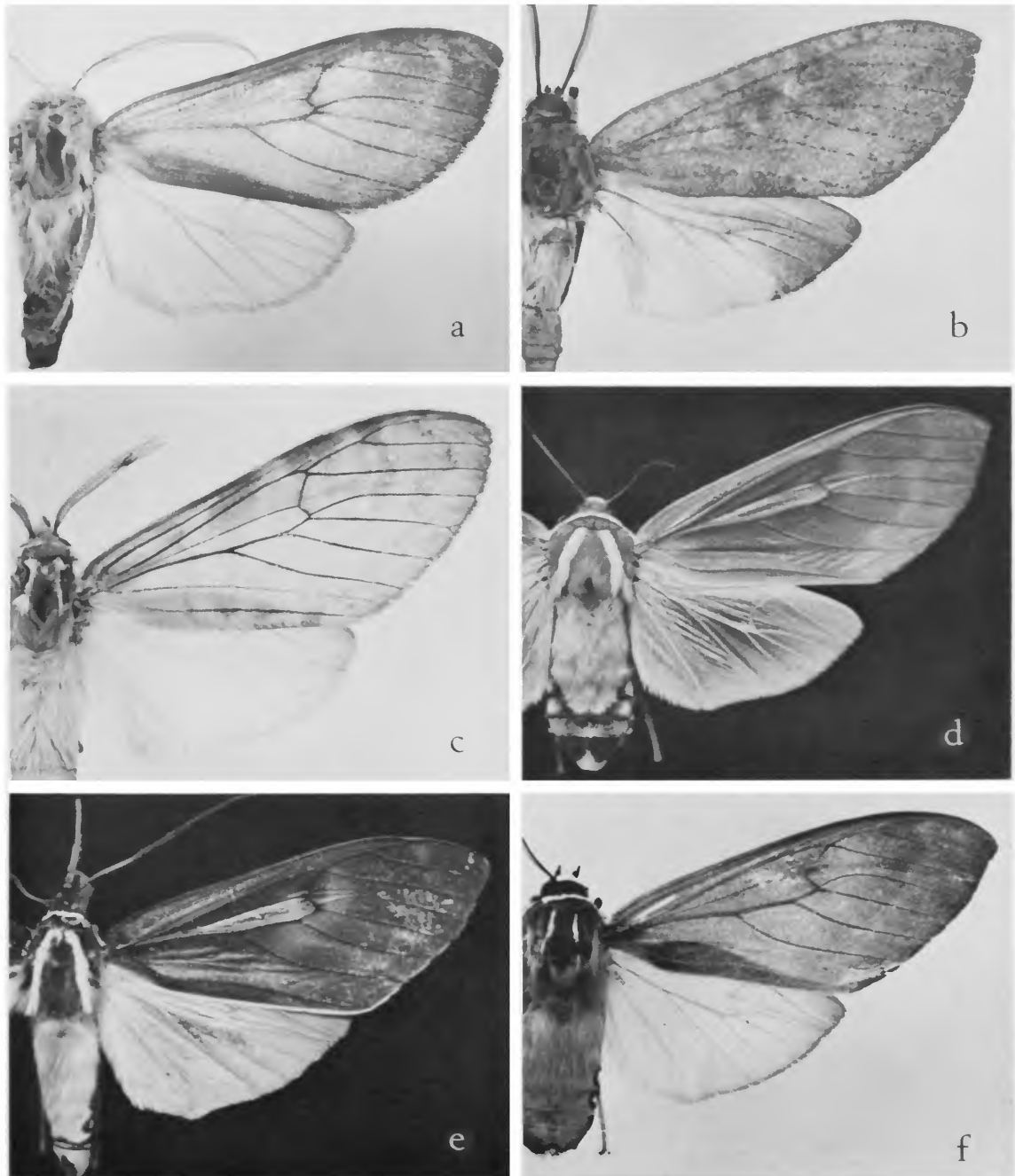


PLATE 13.—a, *Amastus aphraates* Schaus, left side; b, *A. edaphus* Dyar; c, *A. flavidus* Dognin; d, *A. aloniae* Schaus; e, *A. episcotosia* Dognin; f, *A. vandregisili* Schaus.

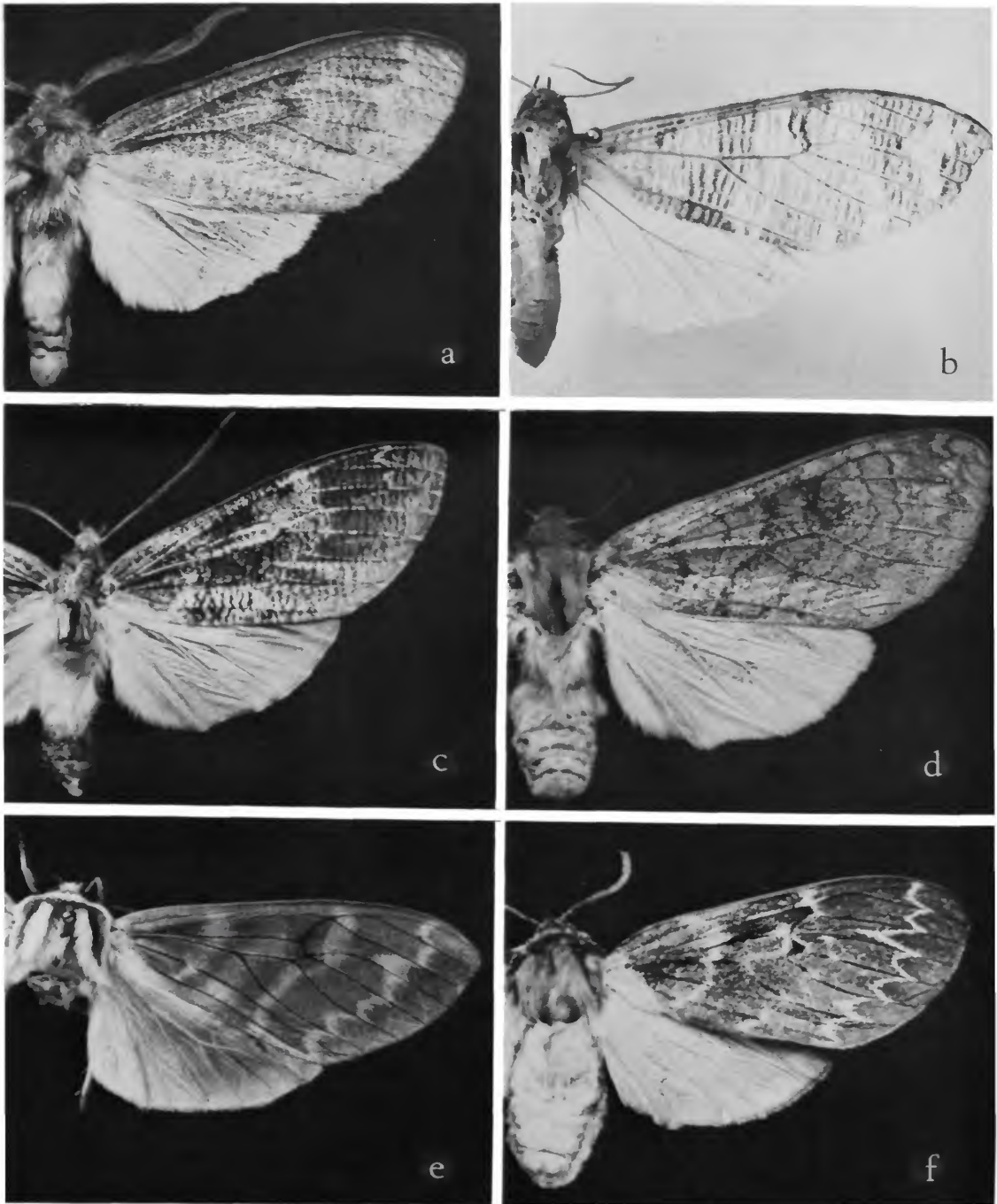


PLATE 14.—*a*, *Amastus paramensis* Dognin; *b*, *A. polystrigata* Dognin; *c*, *A. volcancita* Dognin; *d*, *A. ferrera* Schaus; *e*, *A. supersimilis* Dognin; *f*, *A. thermidora* Dognin.

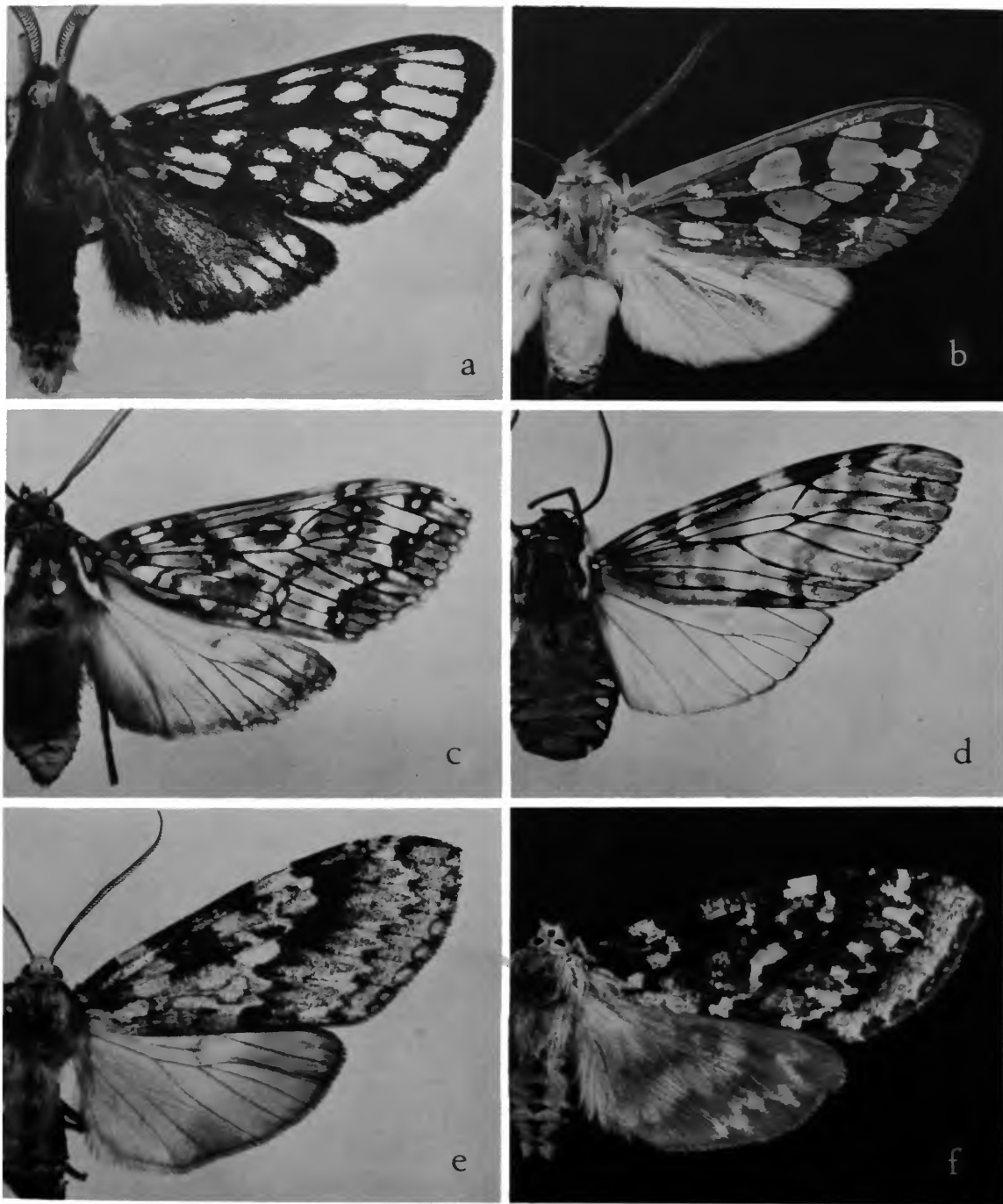


PLATE 15.—*Amastus adela* Schaus; *b*, *A. formosana* Schaus; *c*, *Phaegoptera nexoides* Schaus [junior synonym of *Phaegoptera schafferi* Schaus]; *d*, *Amastus minerva* (Dognin); *e*, *Calidota divina* (Schaus); *f*, *C. clarcana* Dyar, left side.

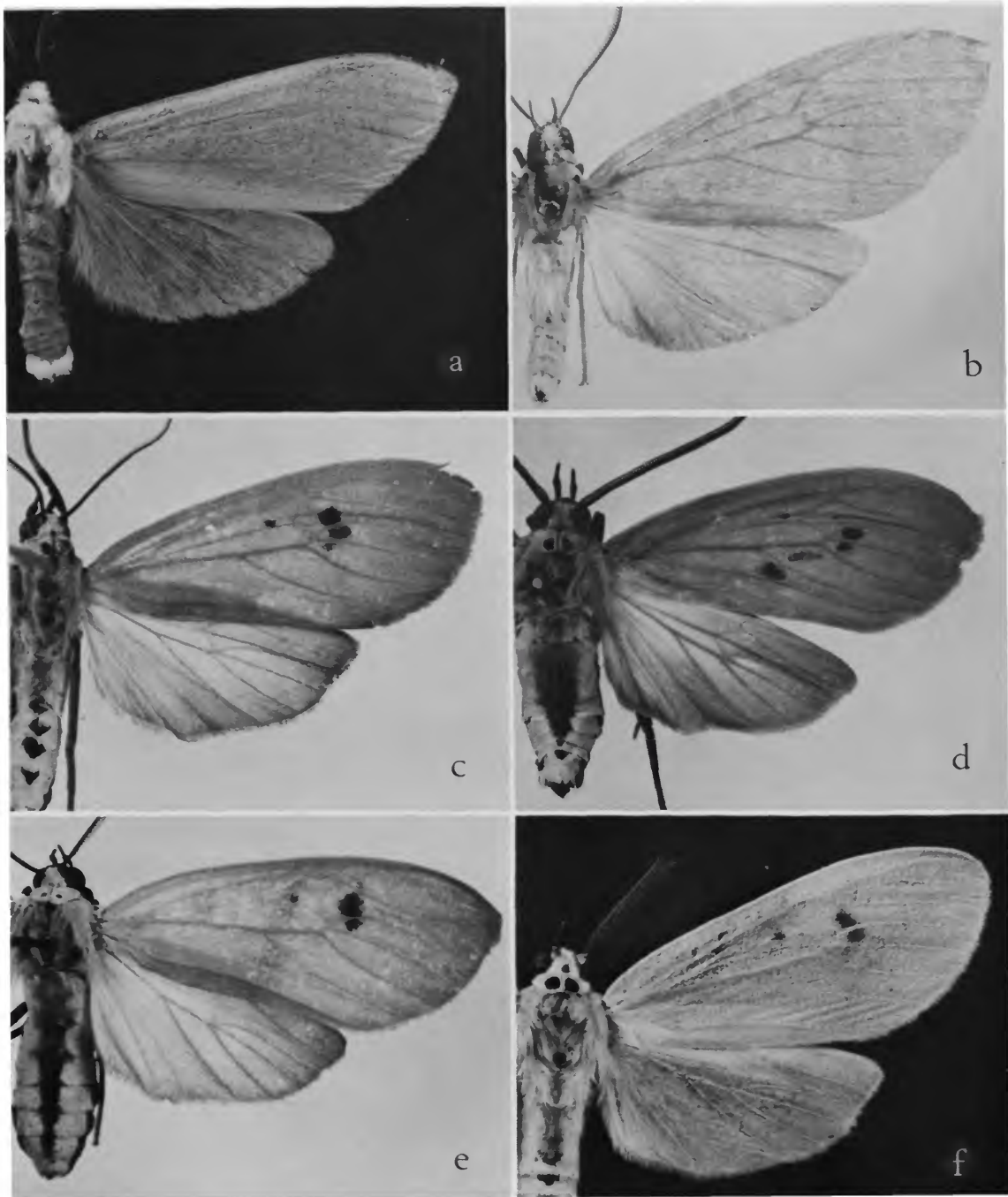


PLATE 16.—*a*, *Calidota calosoma* Dyar; *b*, *C. rudis* Schaus, left side; *c*, *C. quadripunctata* Schaus; *d*, *C. rema* (Dognin); *e*, *C. gemma* (Schaus), left side; *f*, *C. momis* Dyar.

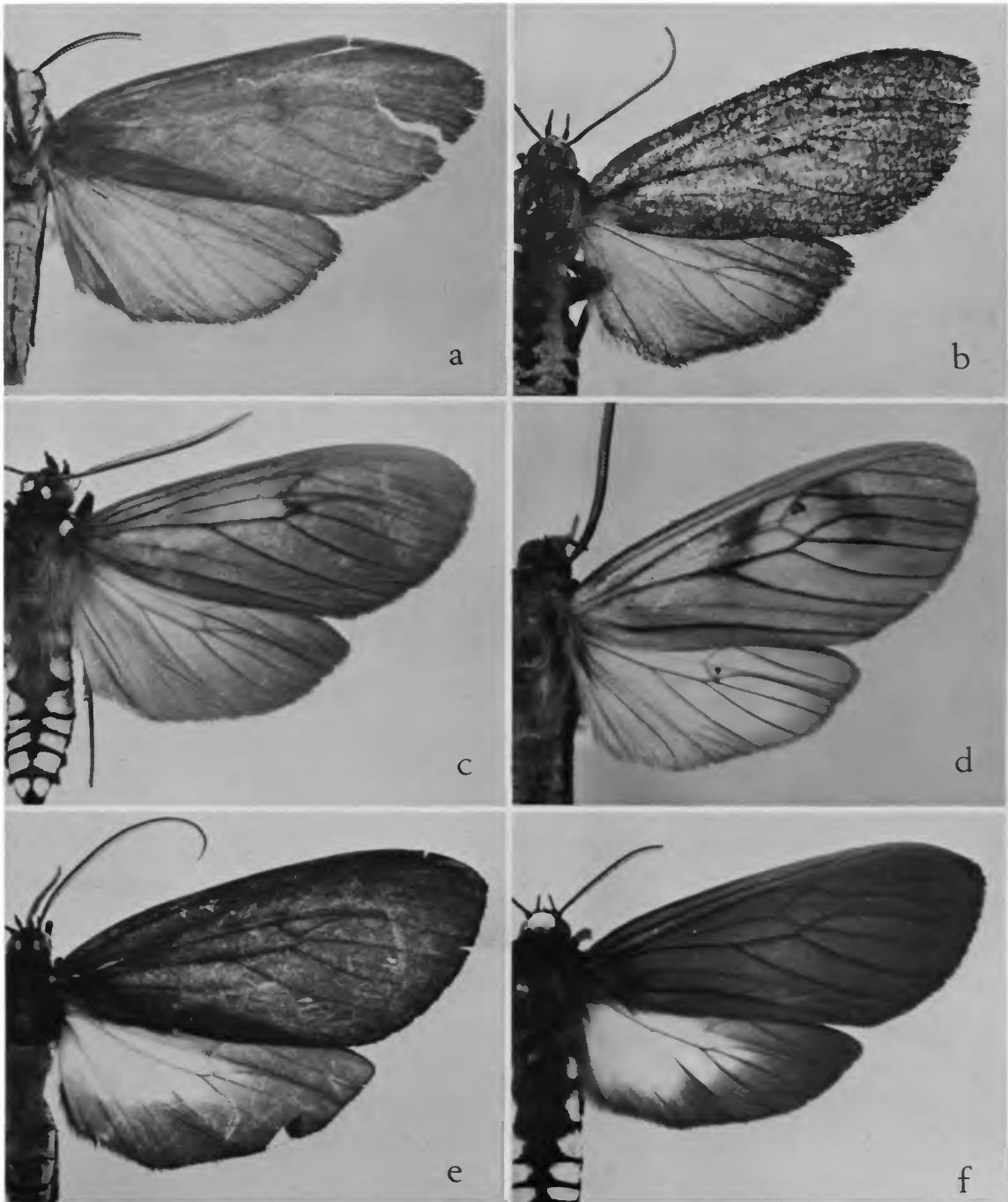


PLATE 17.—*a*, *Calidota albiceps* Dognin, left side; *b*, *C. euchaetiformis* (H. Edwards); *c*, *C. gigas* (Dognin), left side; *d*, *C. morosa* (Schaus); *e*, *C. hadesia* Schaus; *f*, *C. leucocorypha* Dognin.

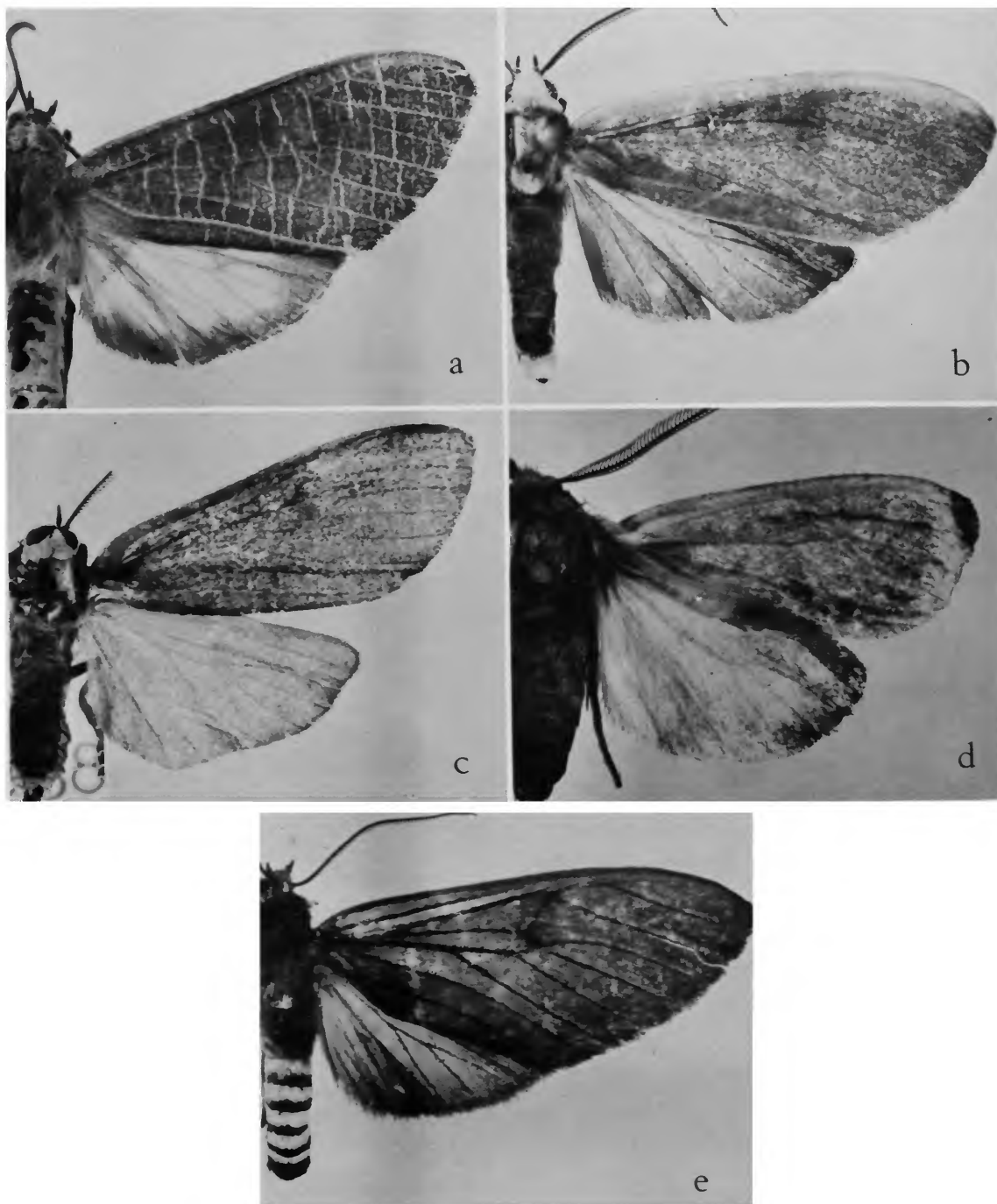


PLATE 18.—*a*, *Mazaeras janeira* (Schaus); *b*, *Opharus roseistriga* Schaus; *c*, *O. linus* Druce; *d*, *O. flavicostata* Dognin; *e*, *Pseudopharus hades* Dognin.

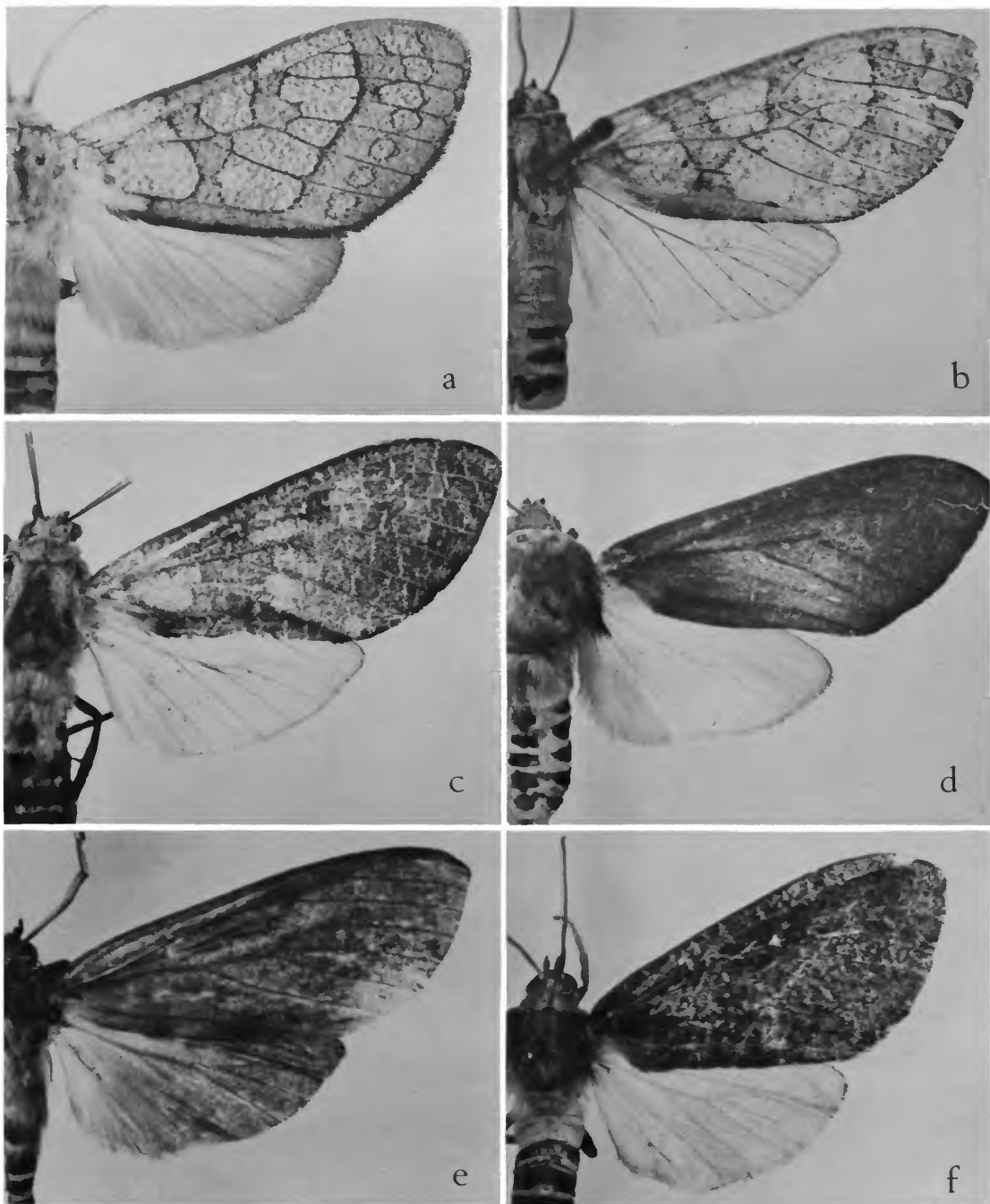


PLATE 19.—*a*, *Elysius gladysia* Schaus; *b*, *E. ruffin* Schaus; *c*, *E. macasia* Schaus; *d*, *E. francki* (Schaus); *e*, *E. aeschista* Dognin; *f*, *E. thrailkilli* (Schaus).

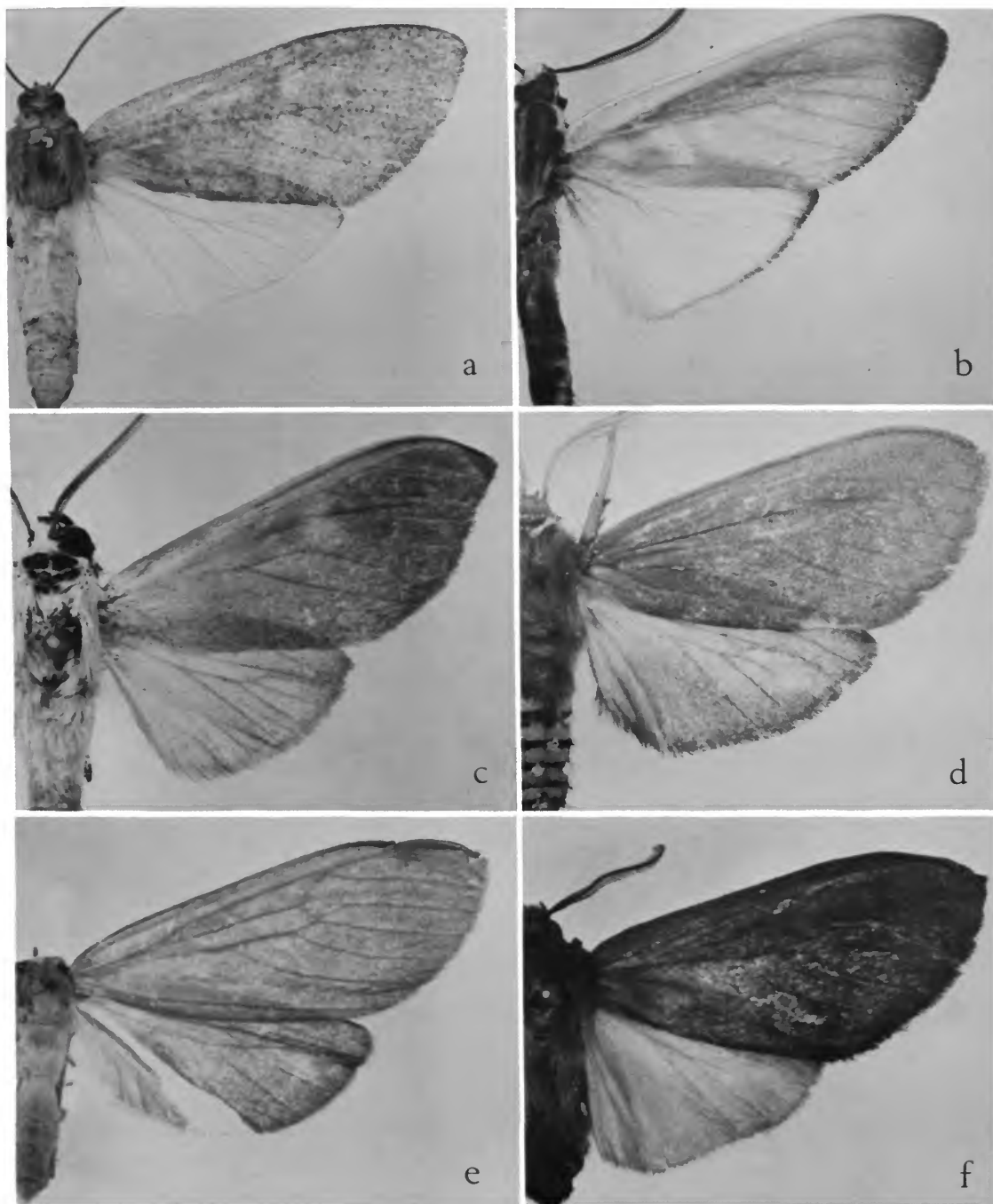


PLATE 20.—*a*, *Elysia proba* (Schaus); *b*, *E. sarcochroa* Dognin; *c*, *E. phantasma* Schaus; *d*, *E. syston* Schaus; *e*, *E. insulsa* Dognin; *f*, *E. carbonarius* (Dognin).

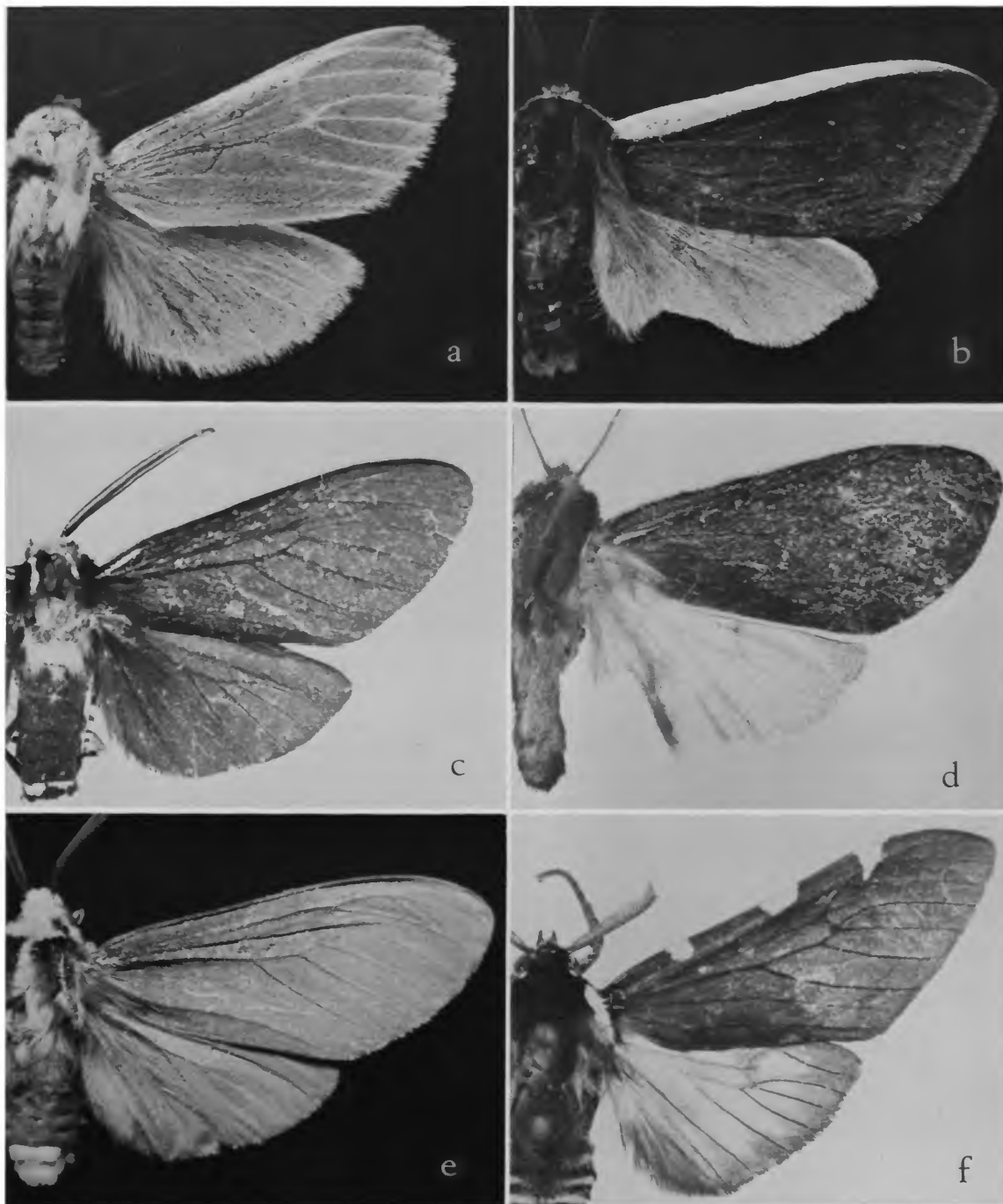


PLATE 21.—*a*, *Calidota angelus* Dyar; *b*, *C. albaticosta* Dyar; *c*, *Halisidota costistrigata* Schaus; *d*, *H. agatha* Schaus; *e*, *H. dukinfieldia* (Schaus); *f*, *H. notata* (Schaus).

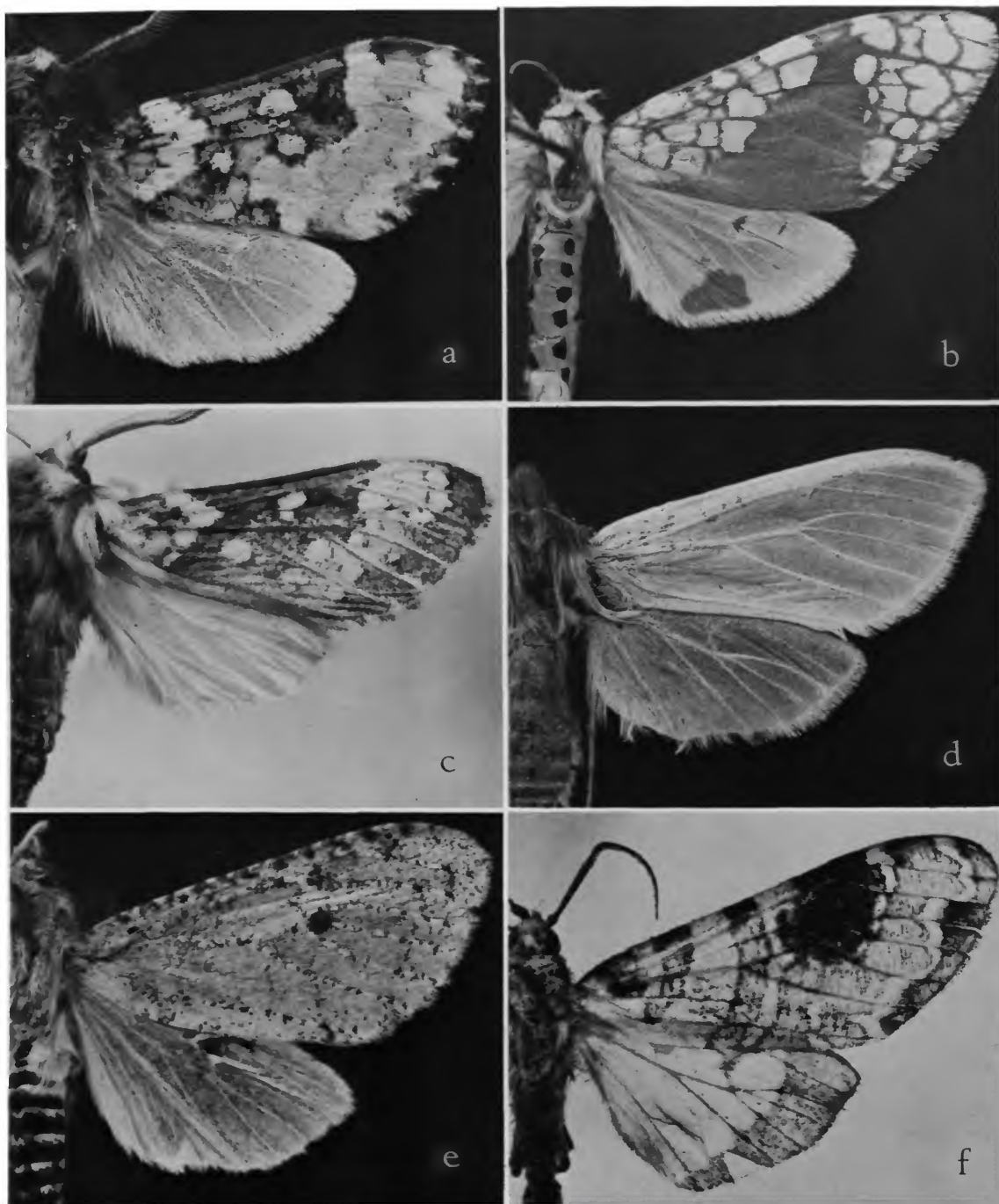


PLATE 22.—*a*, *Metacrisia schausi* Dognin; *b*, *Tessella jorgenseni* (Schaus); *c*, *Metacrisia courregesi* Dognin, left side; *d*, *M. pua* (Dyar); *e*, *Spodarctia superpulverea* Dyar; *f*, *Eucereon rabusculum* Dognin.

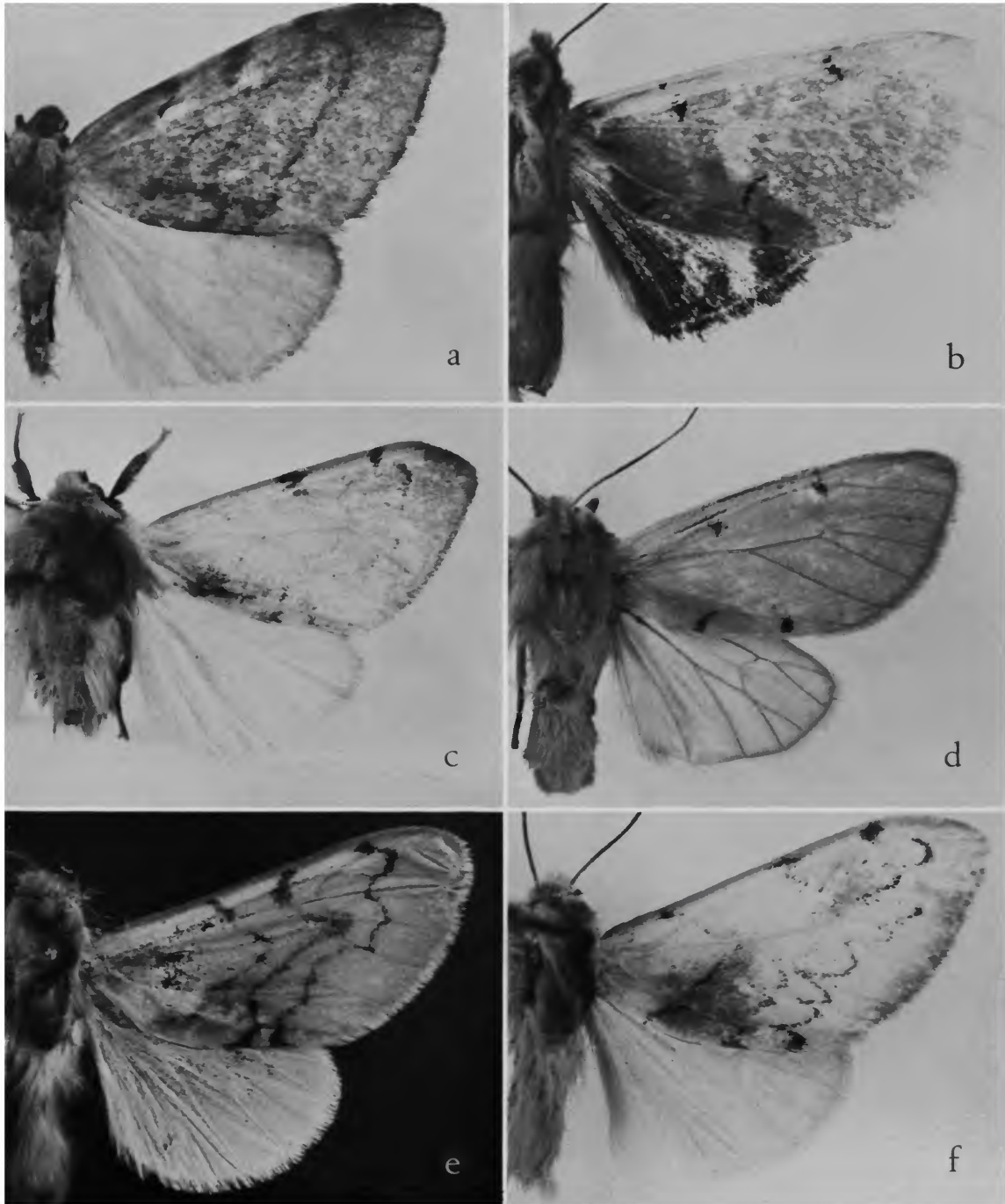


PLATE 23.—*a*, *Palaeomolis metacauta* Dognin; *b*, *Chlorhoda metamelaena* Dognin; *c*, *Hypomolis rubricosta* (Dognin), left side; *d*, *H. amabilis* (Schaus); *e*, *H. rothschildi* Dognin, left side; *f*, *H. metarhoda* Dognin, left side.

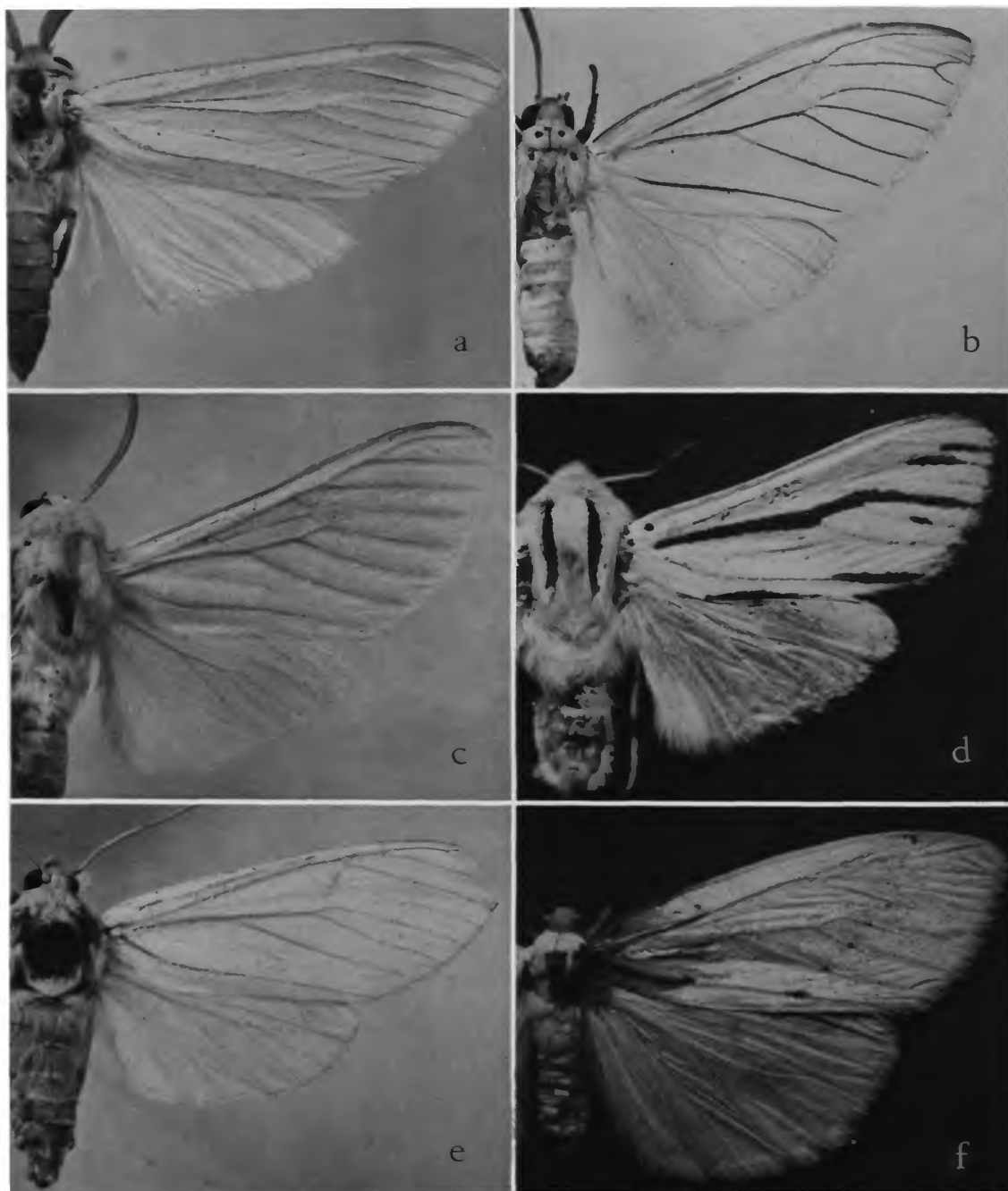


PLATE 24.—*a*, *Hypidota neurias* Schaus; *b*, *Hyalartia tepica* Dyar; *c*, *H. sericea* Schaus; *d*, *Ectypia mexicana* (Dognin); *e*, *Elysium barnesi* Schaus; *f*, *Mannina hagnoleuca* Dyar.

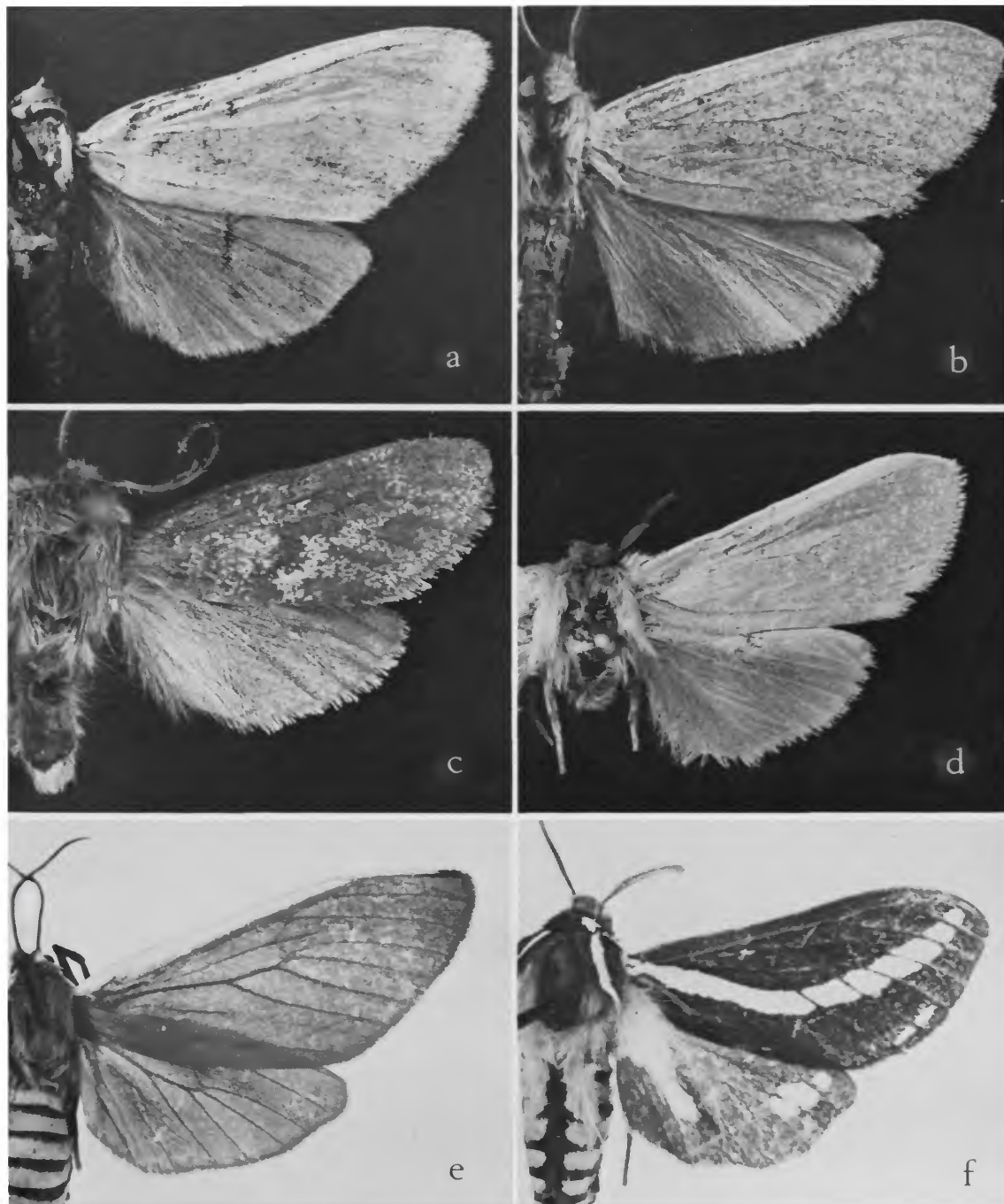


PLATE 25.—*a*, *Euchaetias cressida* Dyar; *b*, *E. epagoga* Dyar, left side; *c*, *E. psara* Dyar, left side; *d*, *E. expressa jalapa* Strand; *e*, *E. parazona* Dyar [junior synonym of *Euchaetias antica* Walker]; *f*, *E. rizoma* (Schaus).

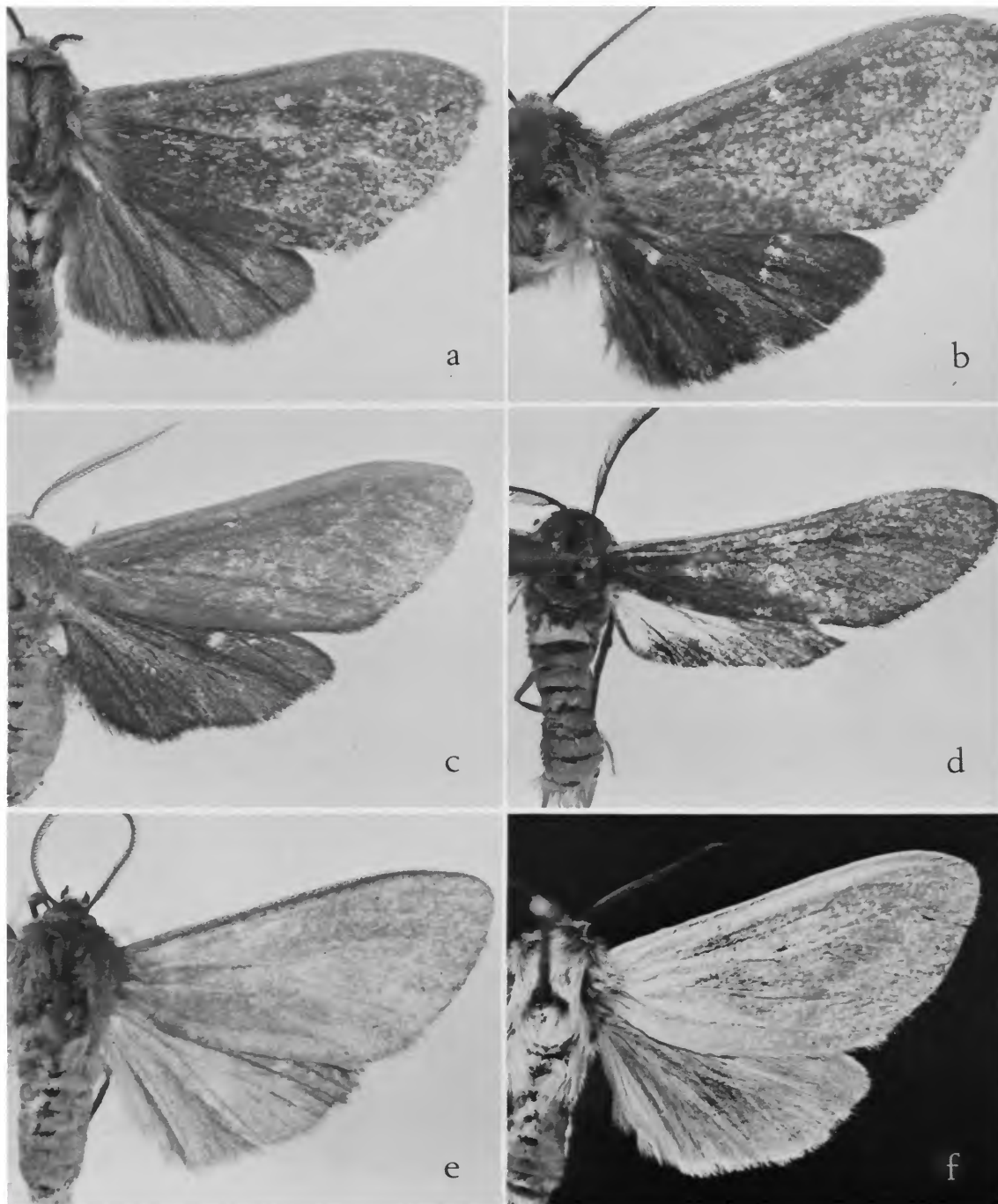


PLATE 26.—*a*, *Euchaetias albicosta densa* Dyar; *b*, *E. expressa* (H. Edwards); *c*, *E. fumidus* H. Edwards [junior synonym of *Euchaetias albicosta* Walker]; *d*, *E. antica sinaloensis* Dyar; *e*, *E. rhadia* Dyar; *f*, *E. mitis* Schaus.

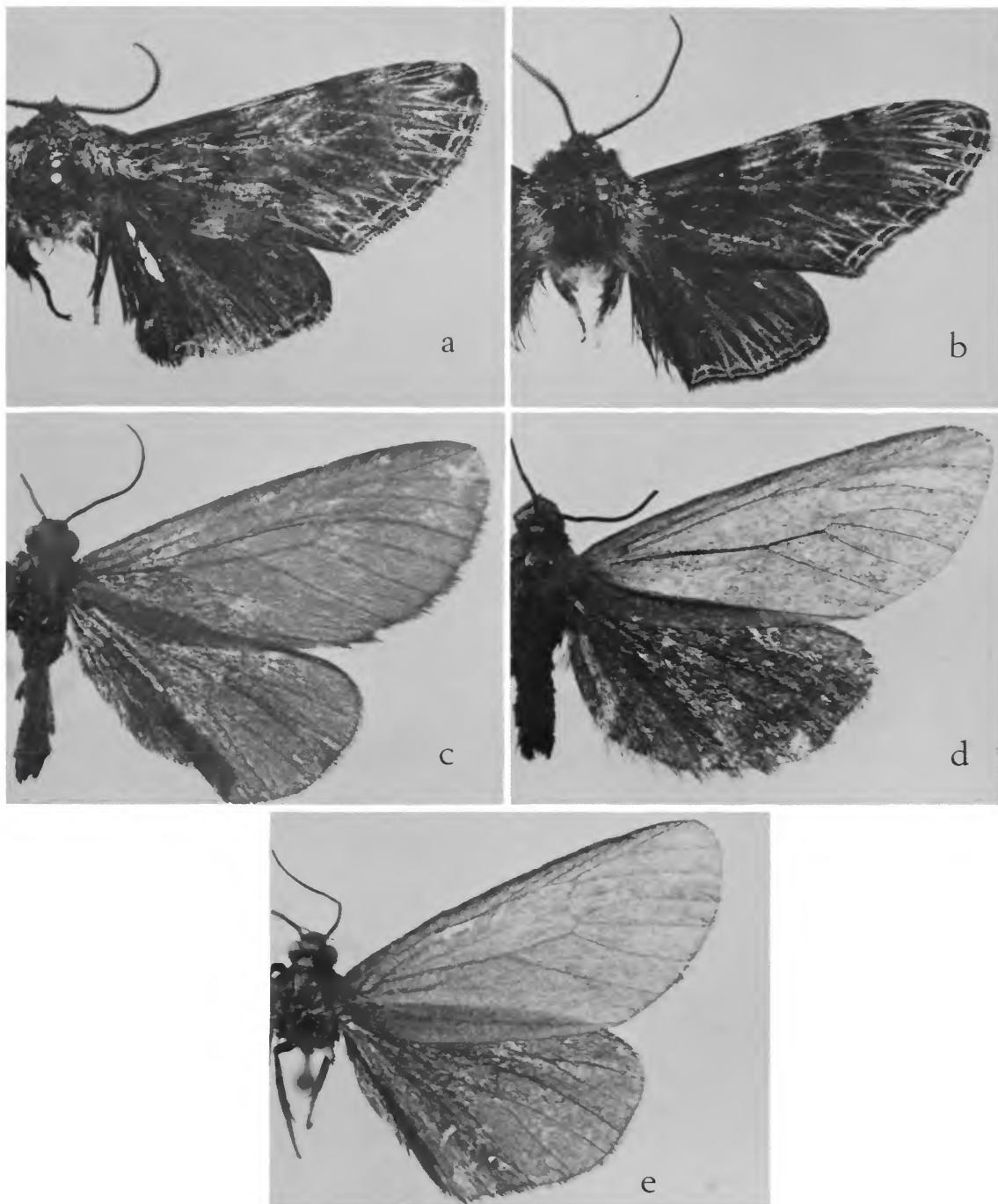


PLATE 27.—*a*, *Acyclania tenebrosa* Dognin; *b*, *A. shadei* Schaus; *c*, *Zamolis noctella* Dyar; *d*, *Hypomolis minca* Schaus; *e*, *Ardonipsa melas* Dyar [*Z. noctella*, *H. minca*, and *A. melas* are junior synonyms of *Stenucha dolens* (Druce)].

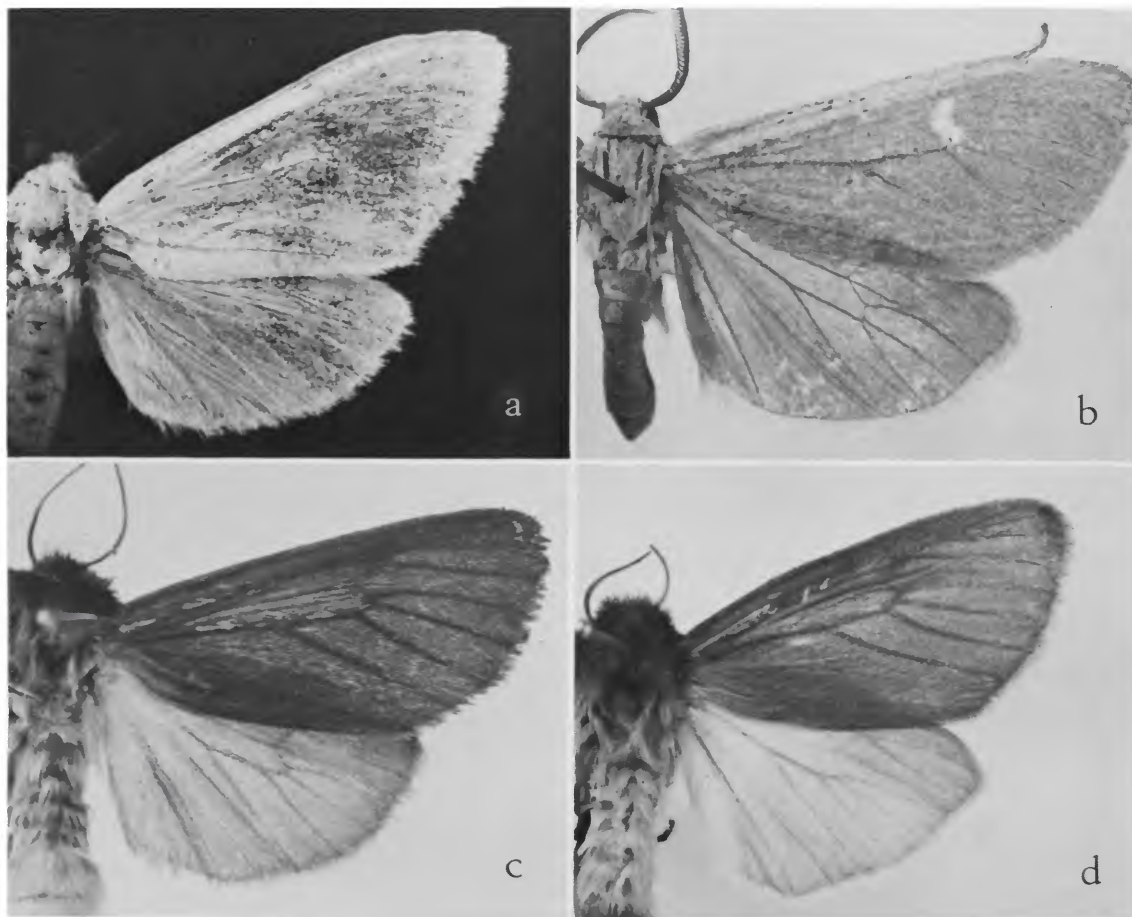


PLATE 28.—*a*, *Pygarcia elegans haematodes* Dyar; *b*, *P. pterygostigma* Dyar; *c*, *Antarctia honora* (Schaus); *d*, *A. sericea* (Schaus).

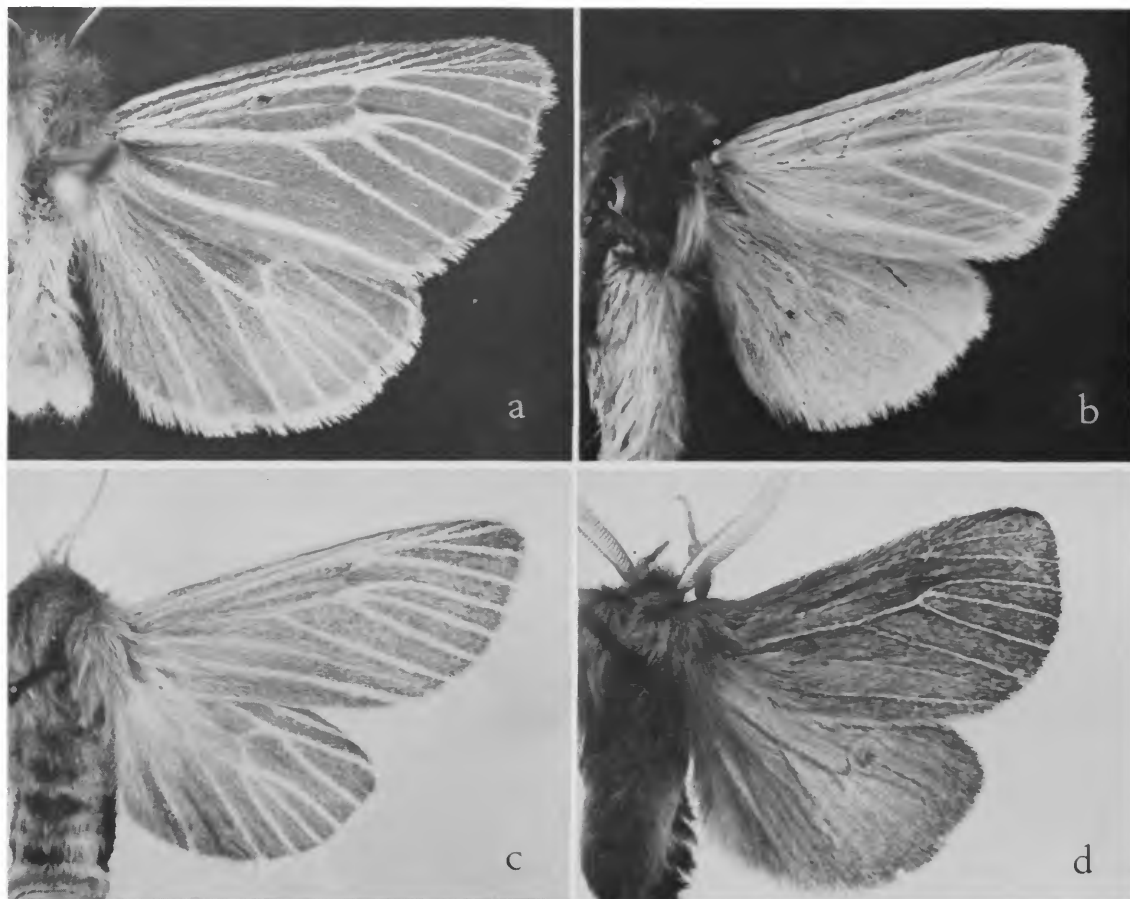


PLATE 29.—*a*, *Antarctia venata* Schaus; *b*, *A. pallidivena* Schaus; *c*, *A. dukinfieldia* (Schaus);
d, *Motada bergi* Schaus [junior synonym of *Antarctia costata* Burmeister].

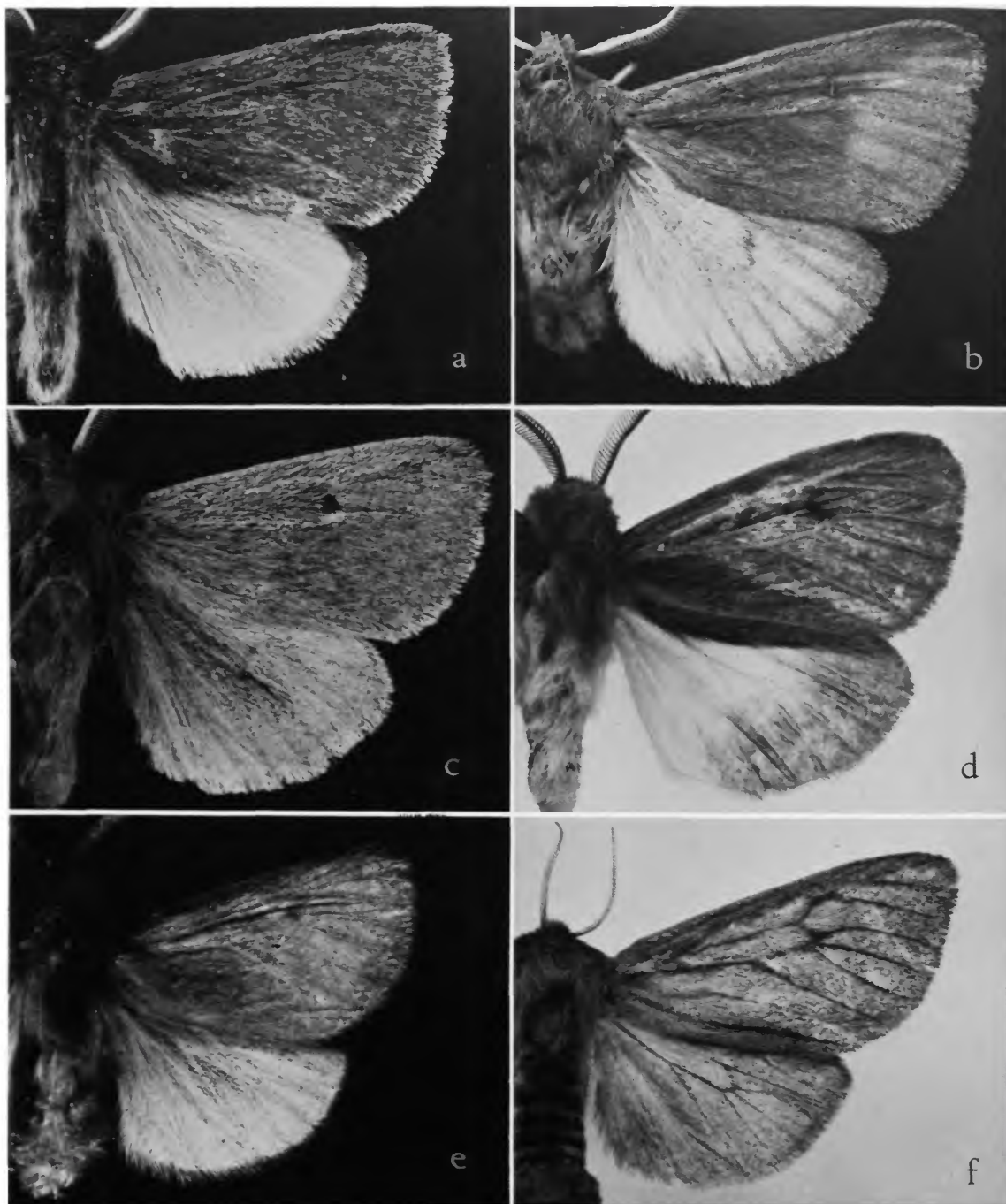


PLATE 30.—*a*, *Antarctia valstana* Schaus; *b*, *A. marcona* Schaus; *c*, *A. paula* (Schaus); *d*, *A. emerita* Schaus; *e*, *A. vulpecula* Dognin; *f*, *A. fervida* Schaus.

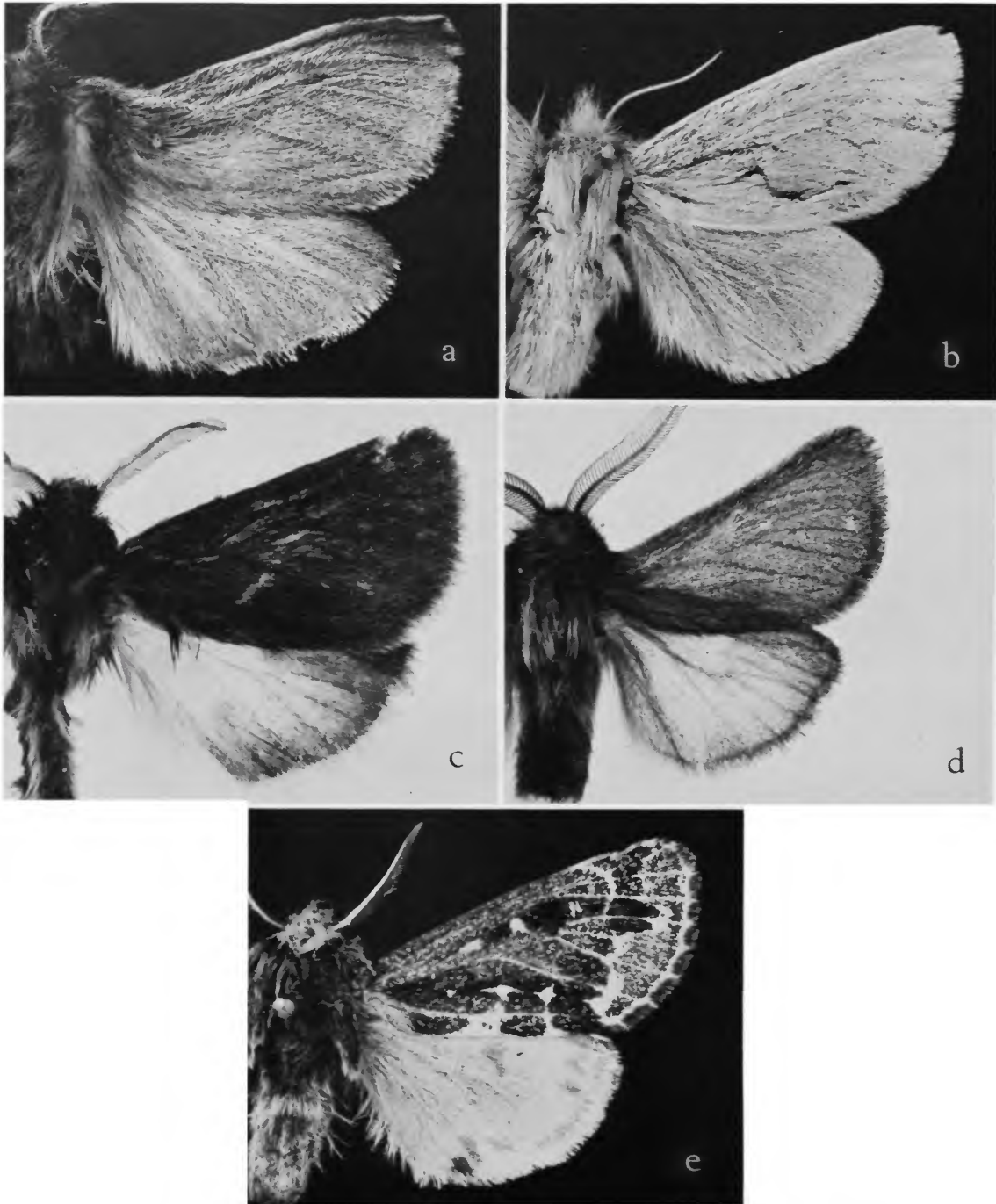


PLATE 31.—*a*, *Mallocephala bogotensis* Dognin; *b*, *Antarctia brunnea* ab. *amaryllis* (Schaus);
c, *A. amarga* Schaus; *d*, *A. obscurior* Schaus; *e*, *A. variegata* (Schaus).

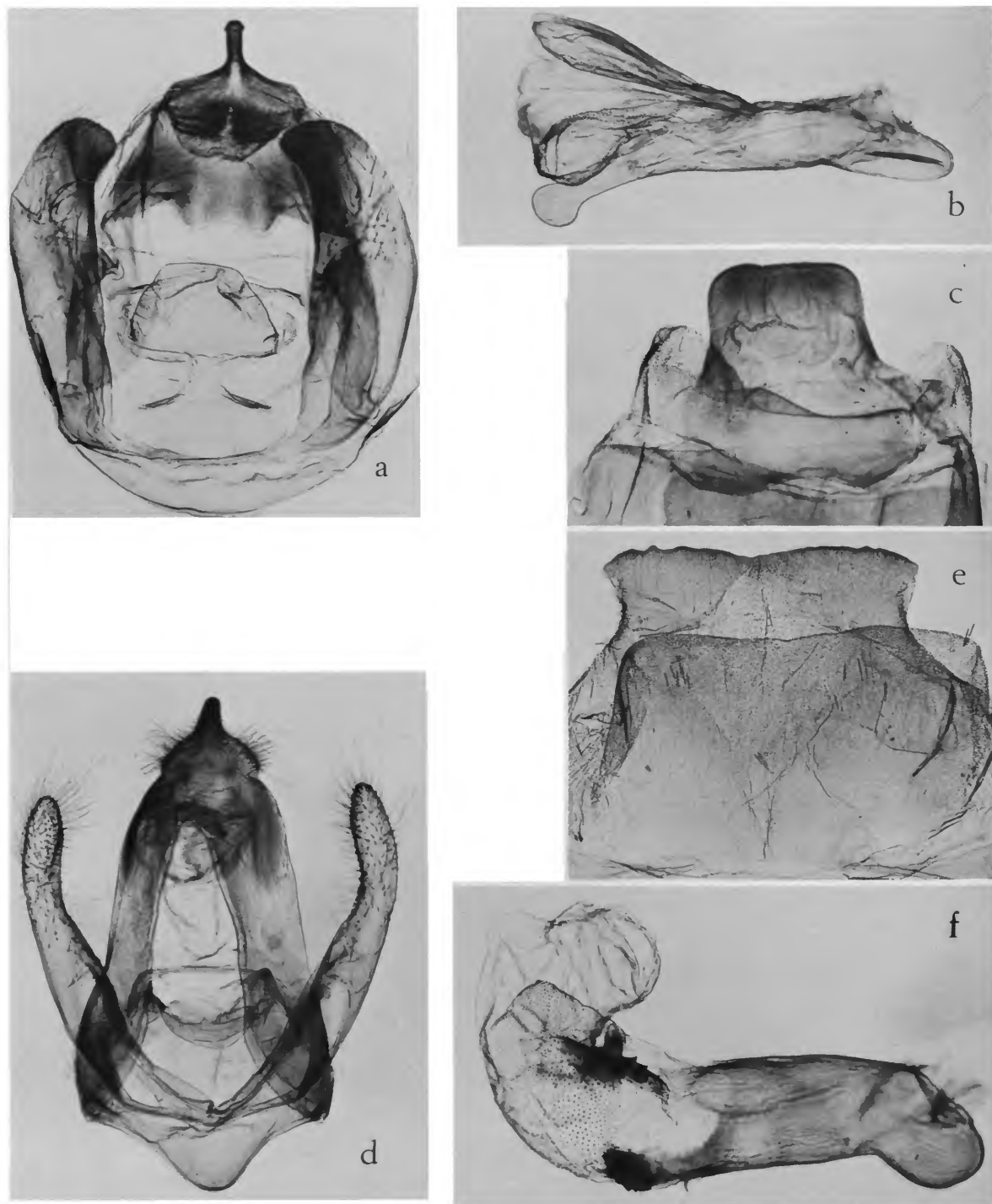


PLATE 32.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Epantheria atra* ab. *eminens* (H. Edwards); *d,e,f*, *E. theophila* Dognin.

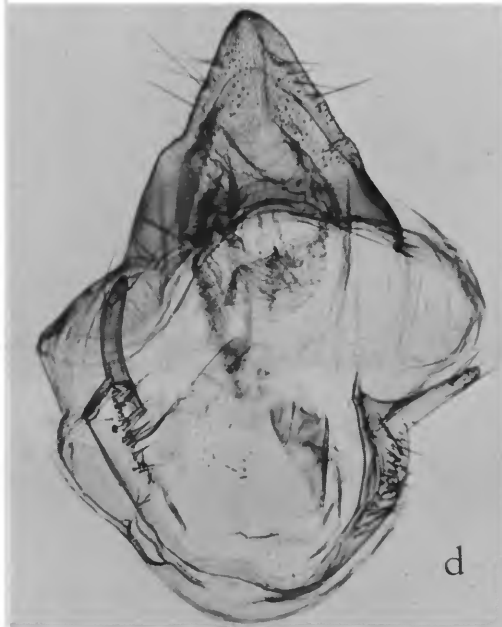
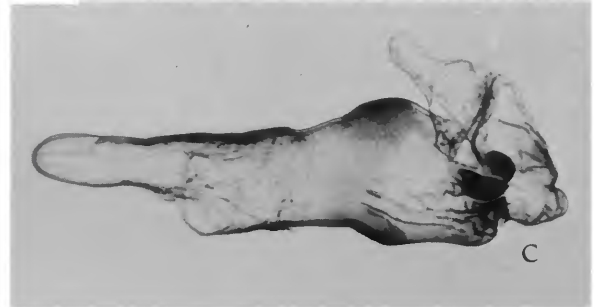
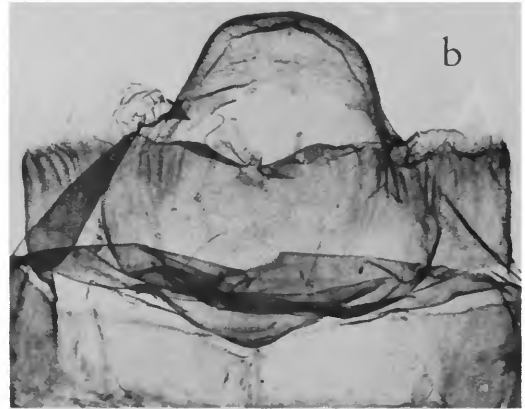
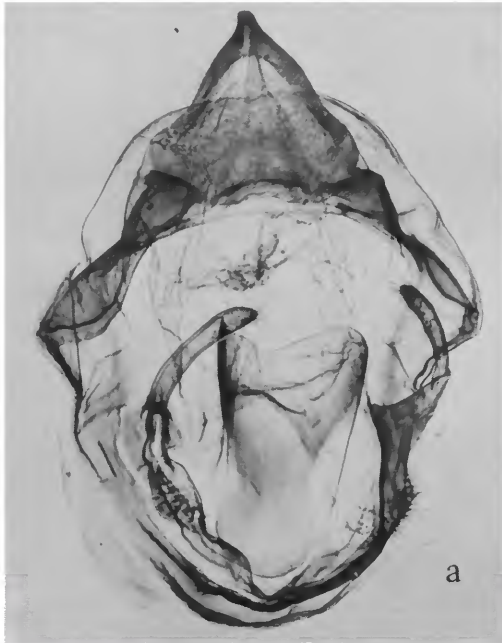


PLATE 33.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Ecpantheria jaguarina* Schaus; *d,e,f*, *E. obtecta* Dognin.

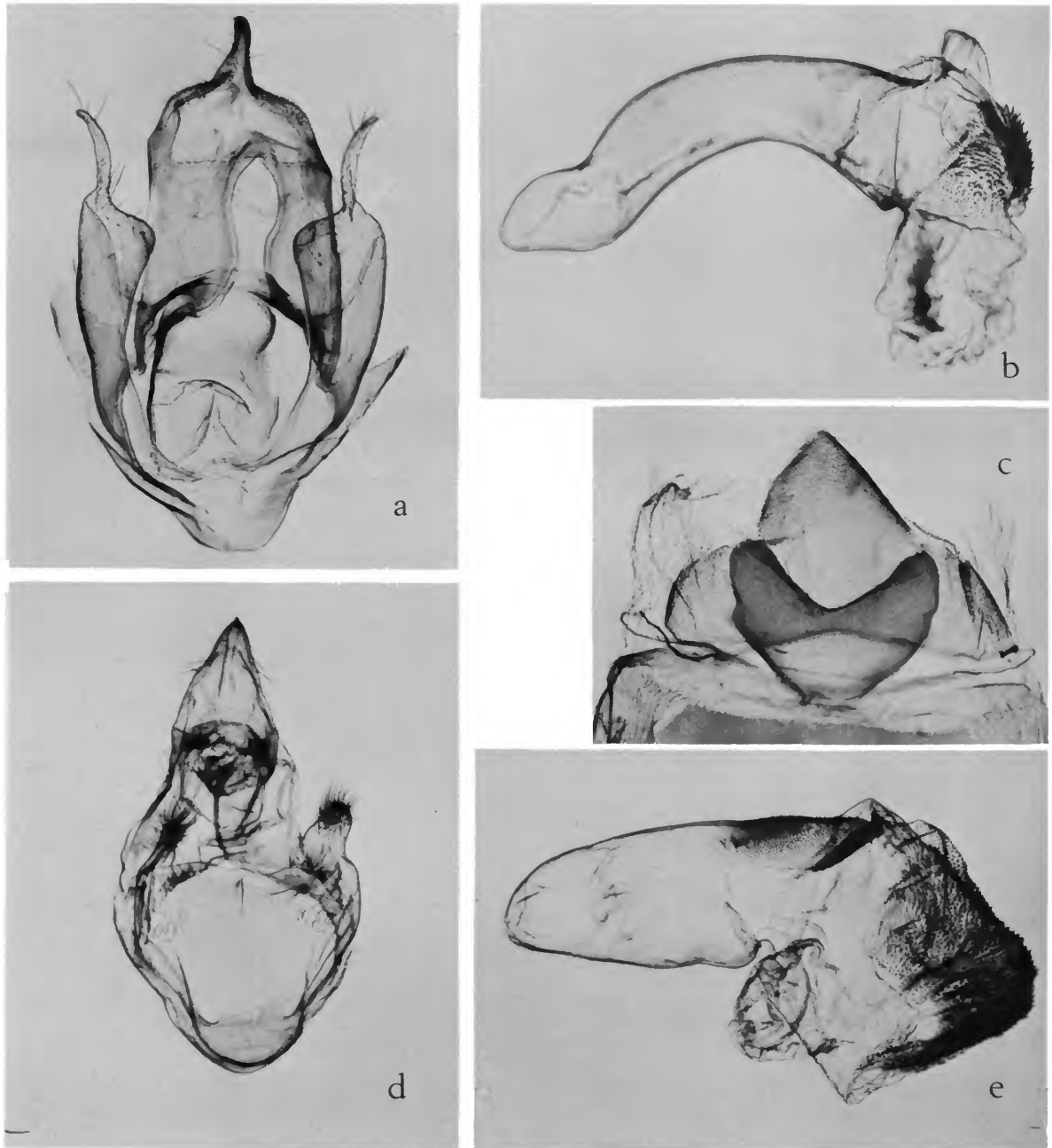


PLATE 34.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Arachnis picta perotensis* Schaus; *d,e*, *Ecpantheria cretacea* Dognin.

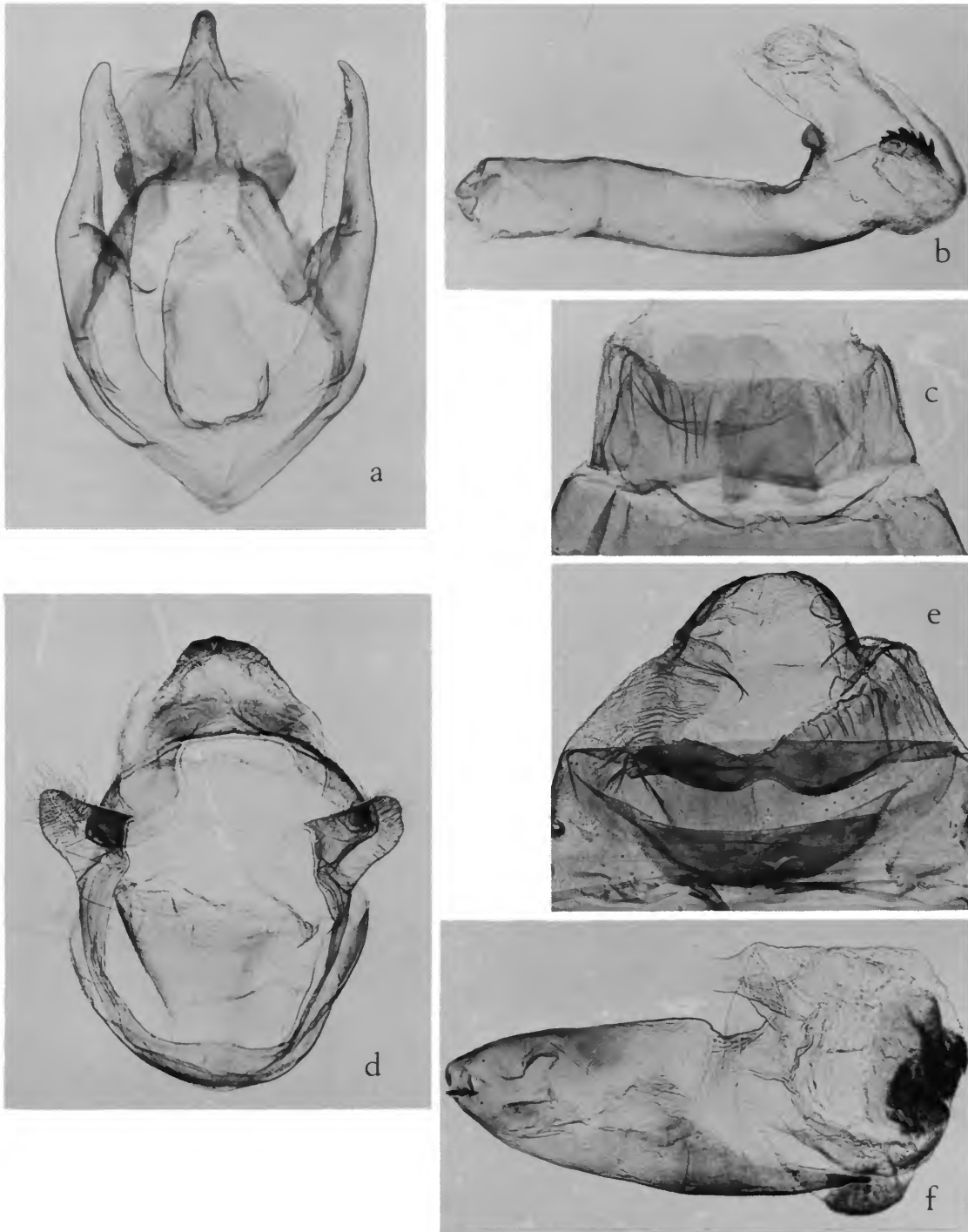


PLATE 35.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Ectpantheria suffusa* (Schaus); *d,e,f*, *E. campinasa* Schaus.

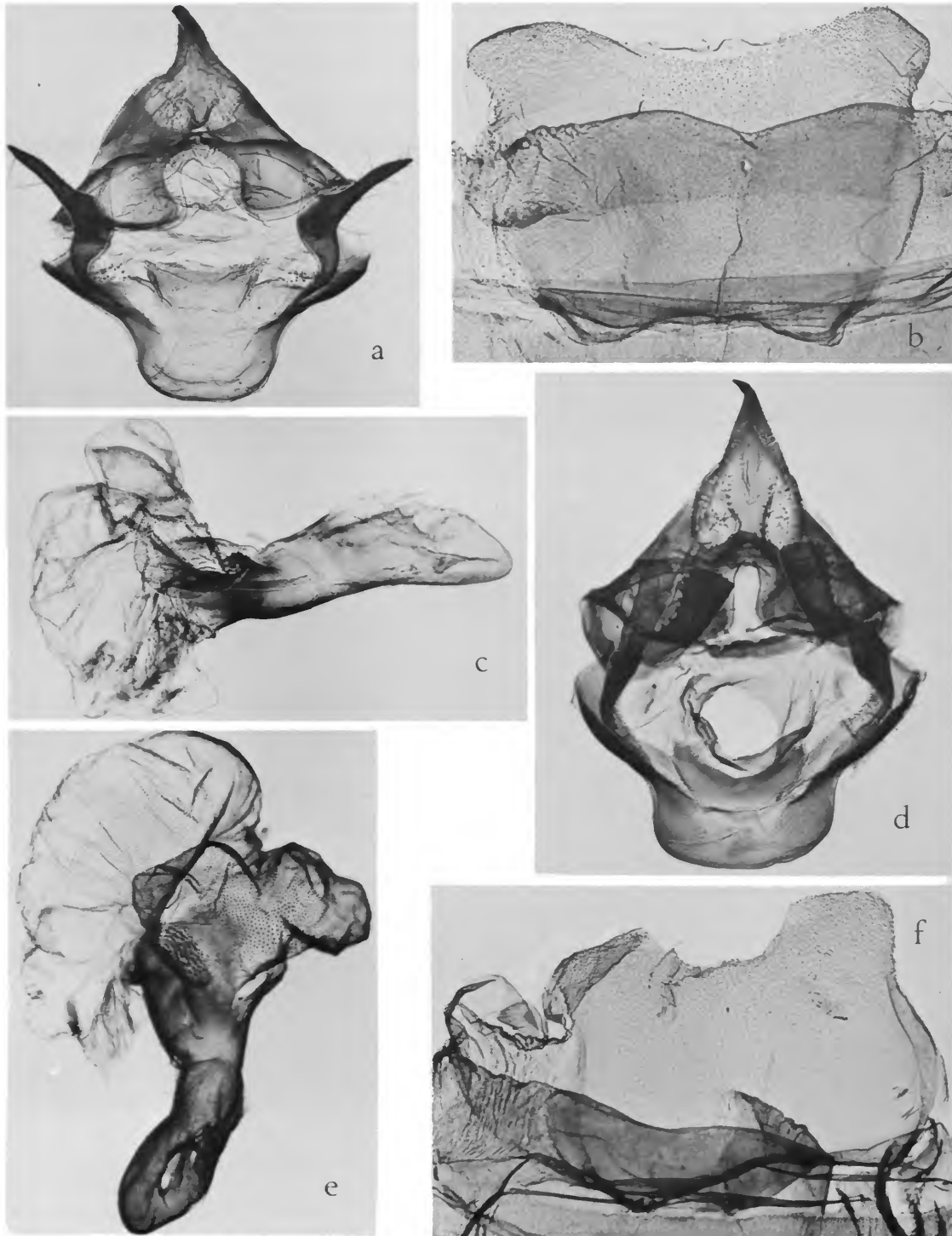


PLATE 36.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Epantheria pellucida* Schaus [junior synonym of *E. heterogena* Oberthür]; *d,e,f*, *E. hambletoni* Schaus.

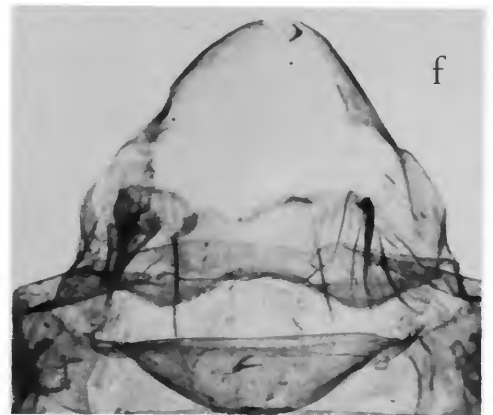
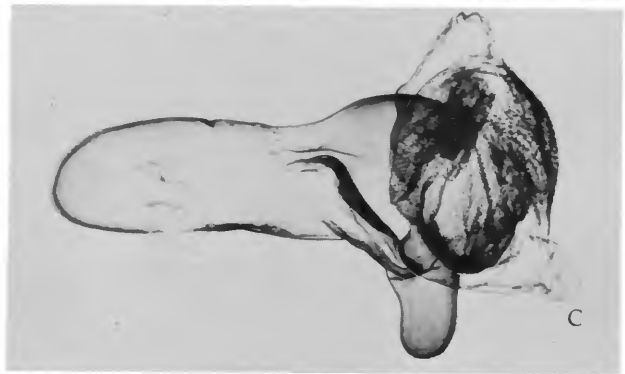


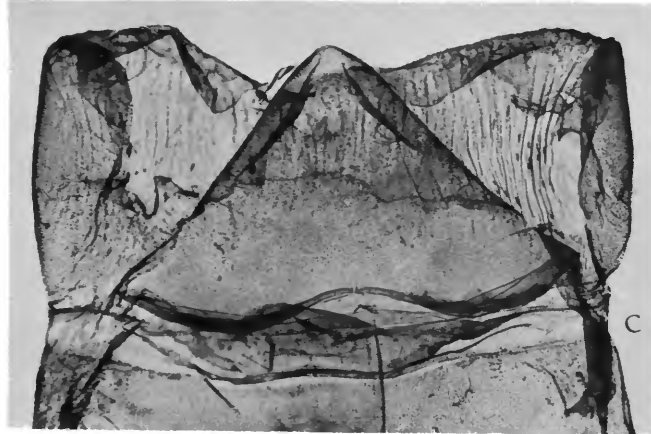
PLATE 37.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Epantheria perplexa* Schaus; *d,e,f*, *E. robusta* Dognin.



a



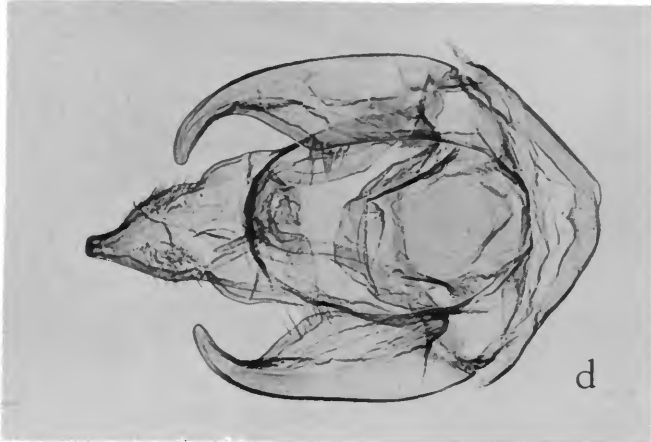
b



c



e



d

PLATE 38.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Ecpantheria euripides* Dyar; *d,e*, *E. hebona* Dognin [junior synonym of *Turuptiana neurophylla* Walker].

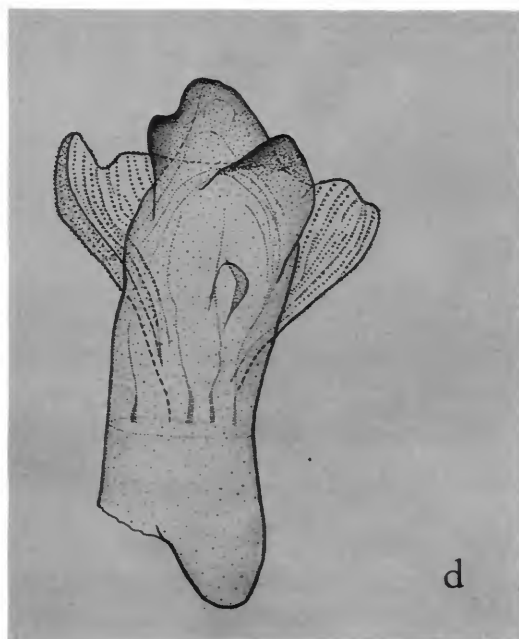
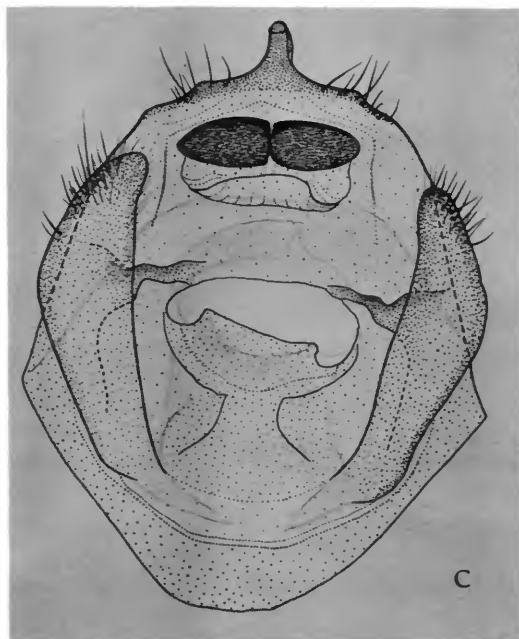
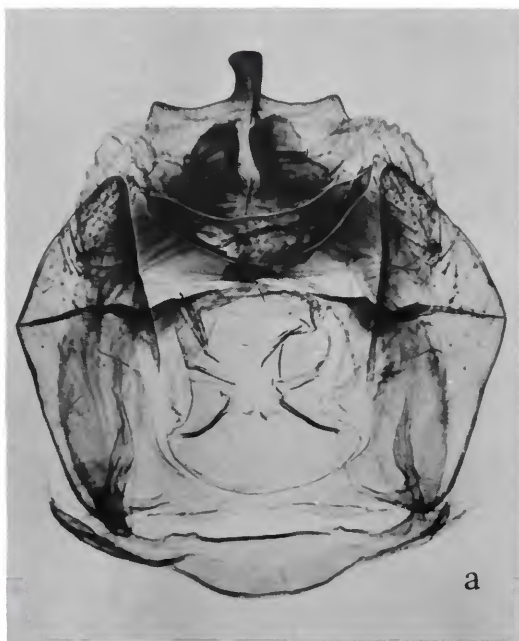


PLATE 39.—♂ genitalia: *a,b*, *Ecantheria andromela* Dyar; *c,d*, *Turuptiona tenebra* (Schaus).

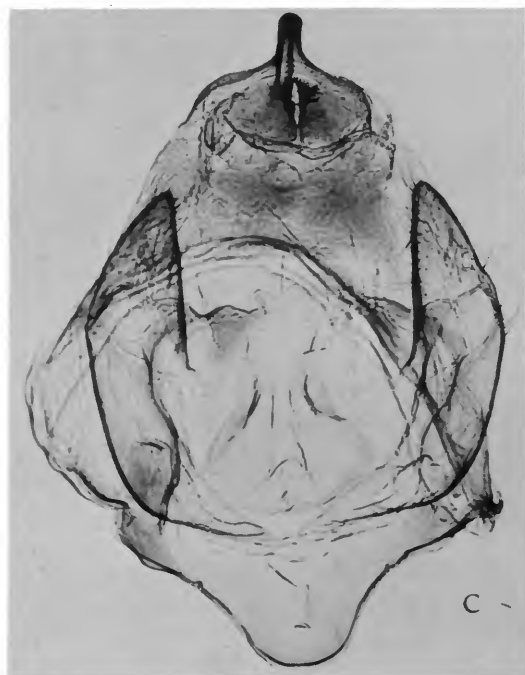
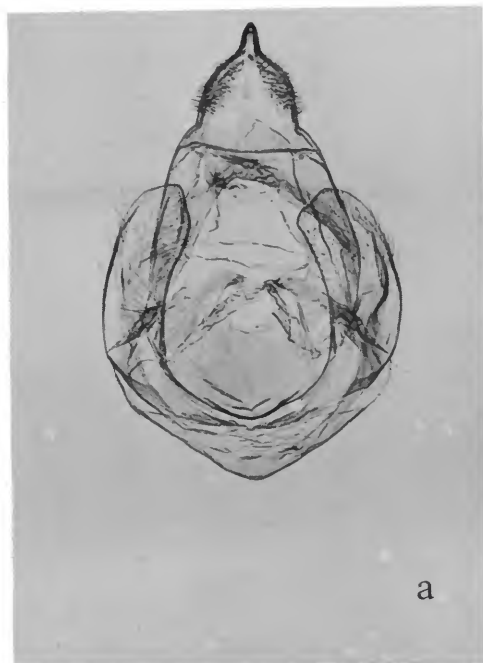


PLATE 40.—♂ genitalia: *a,b*, *T. dissimilis* (Schaus); *c,d*, *T. panoezys* Dyar.

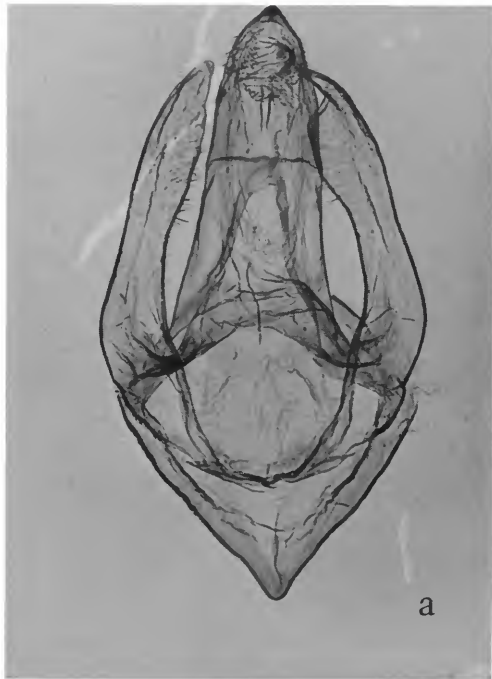


PLATE 41.—♂ genitalia: *a,b*, *Tुरुptiona obscura* Schaus; *c,d*, *Pseudischnocampa nigrivena* (Schaus).

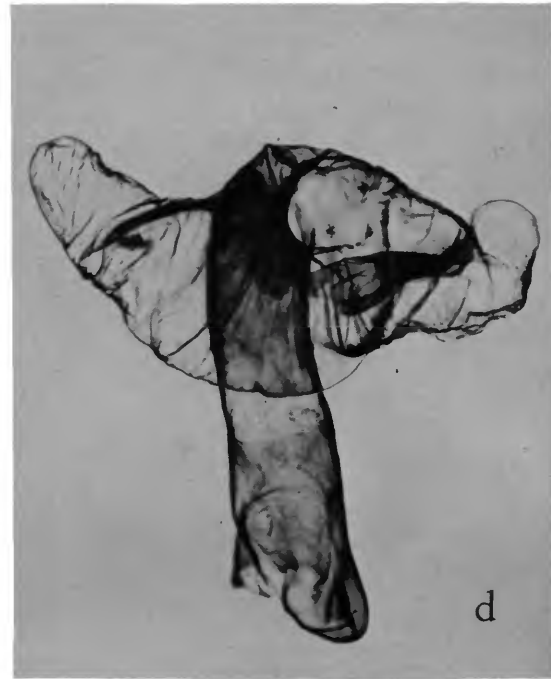
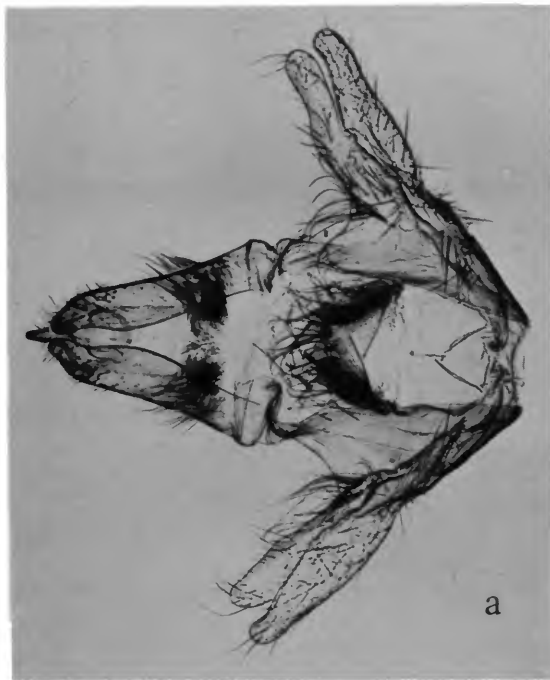


PLATE 42.—♂ genitalia: a,b, *Pseudischnocampa nigridorsata* (Schaus); c,d, *Hemihyalea erganoides* Dognin.

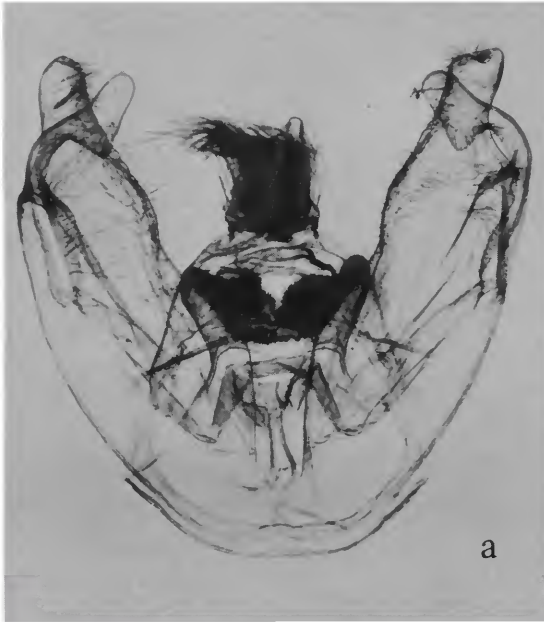


PLATE 43.—♂ genitalia: *a,b*, *Hemihyalea hyalina* (Dognin); *c,d*, *H. tenuimargo* Dognin.

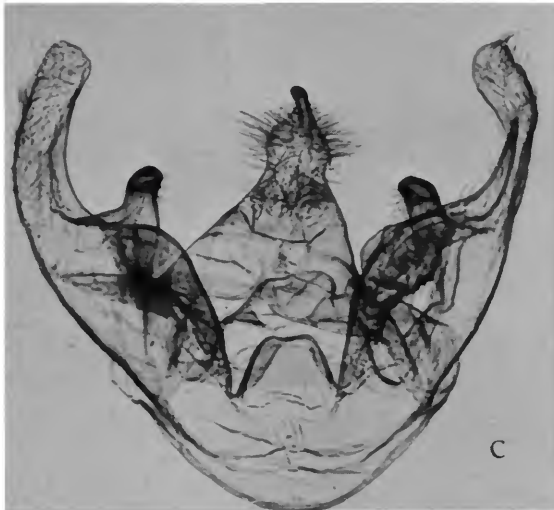
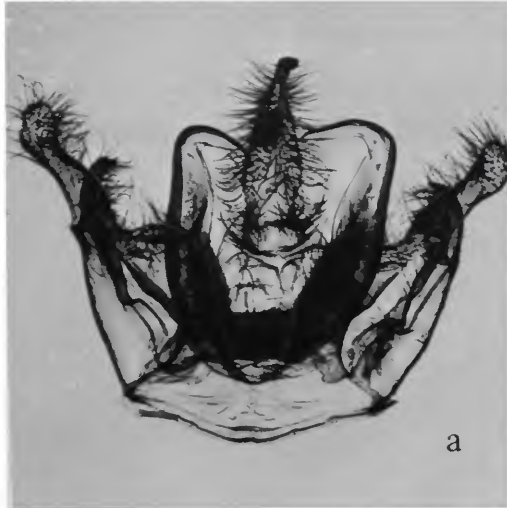


PLATE 44.—♂ genitalia: *a,b*, *Hemihyalea camposi* Schaus; *c,d*, *H. parergana* Dognin.

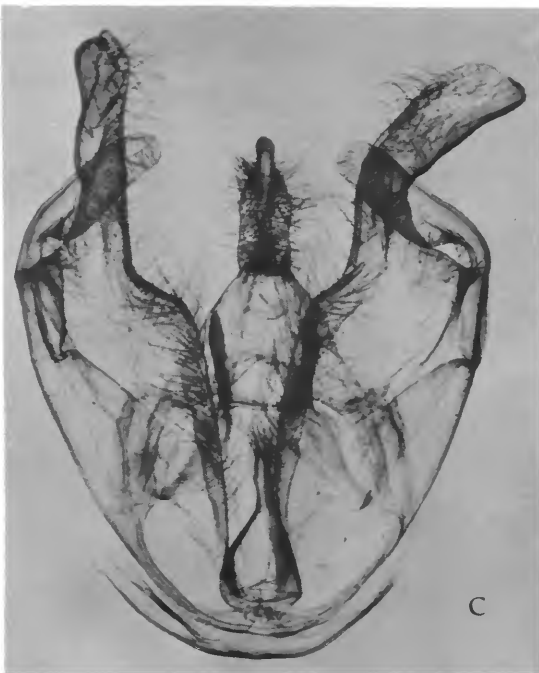
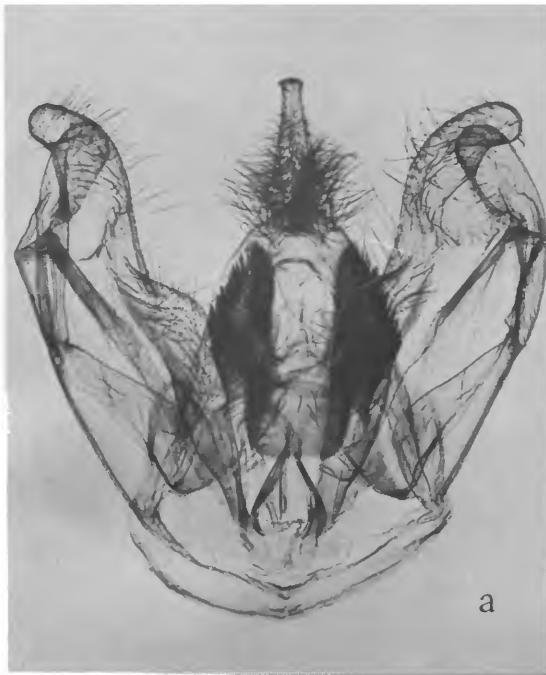


PLATE 45.—♂ genitalia: *a,b*, *Hemihyalea ergana* (Dognin); *c,d*, *Amastus esamenae* Schaus.

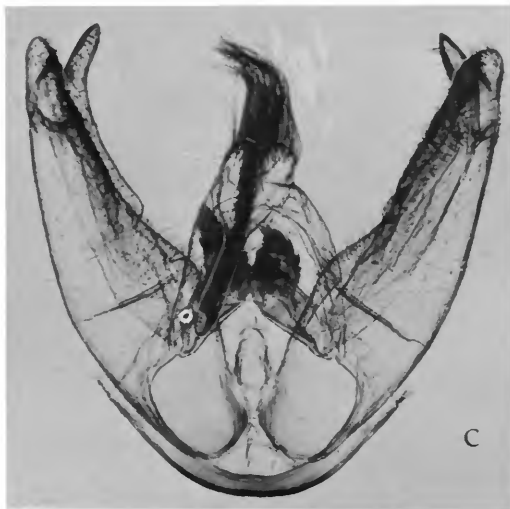
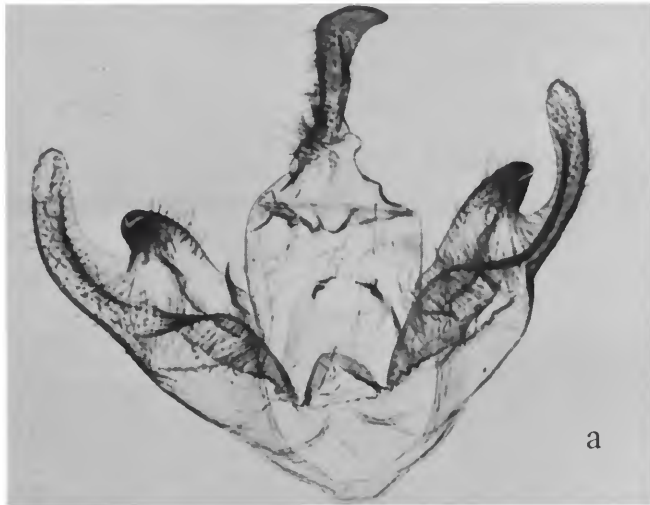


PLATE 46.—♂ genitalia: *a,b*, *Amastus tumbilla* (Dognin); *c,d,e*, *A. rubridorsata* Dognin.

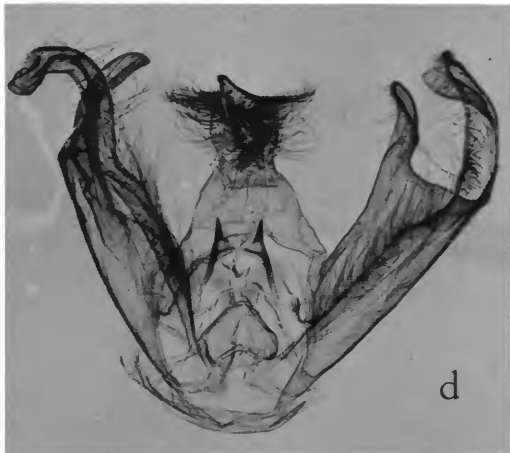
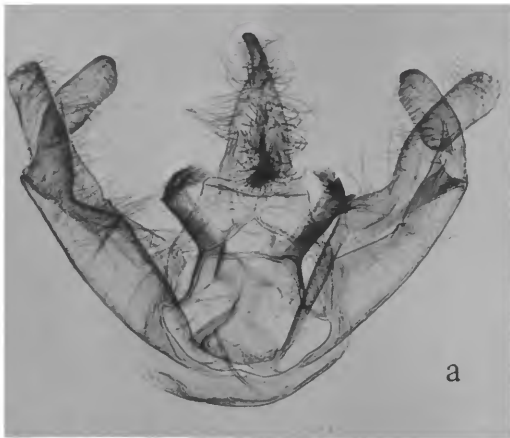


PLATE 47.—♂ genitalia: *a,b,c*, *Amastus diaphenes* Dyar; *d,e*, *A. coccinator* Schaus.

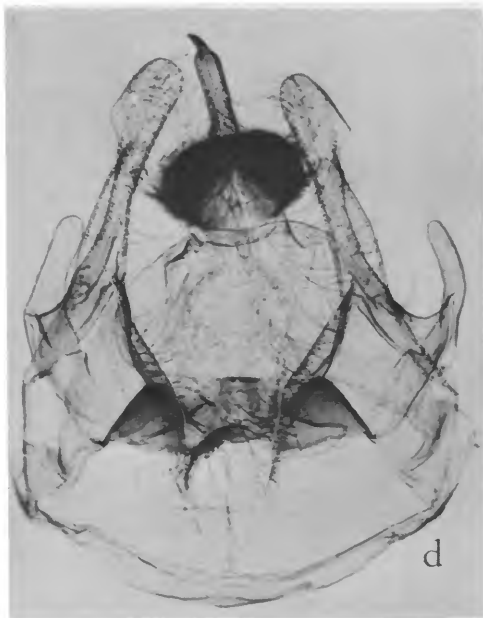
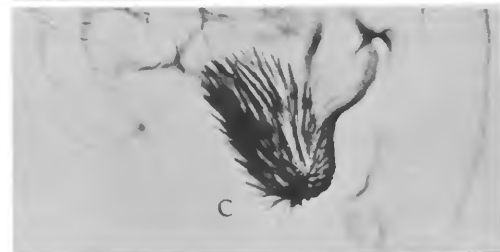
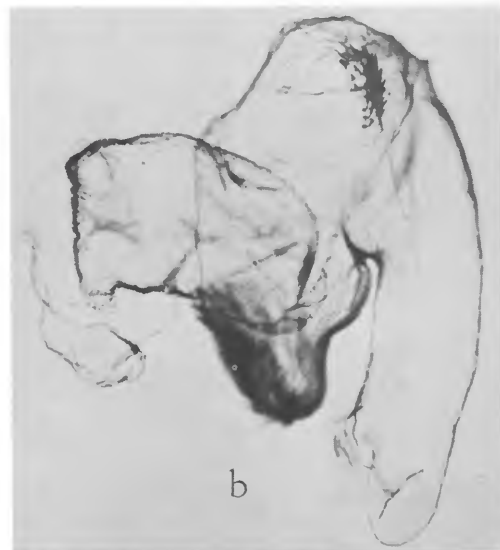


PLATE 48.—♂ genitalia: *a,b,c*, *Ischnocampa ferrea* Dognin; *d,e*, *Hemihyalea rhoda hidalgonis* Dyar [junior synonym of *Pseudohemihyalea rhoda* (Druce)].

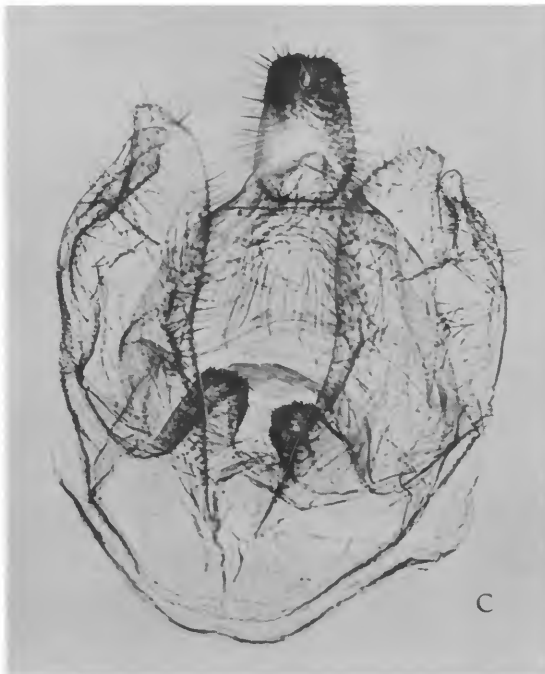
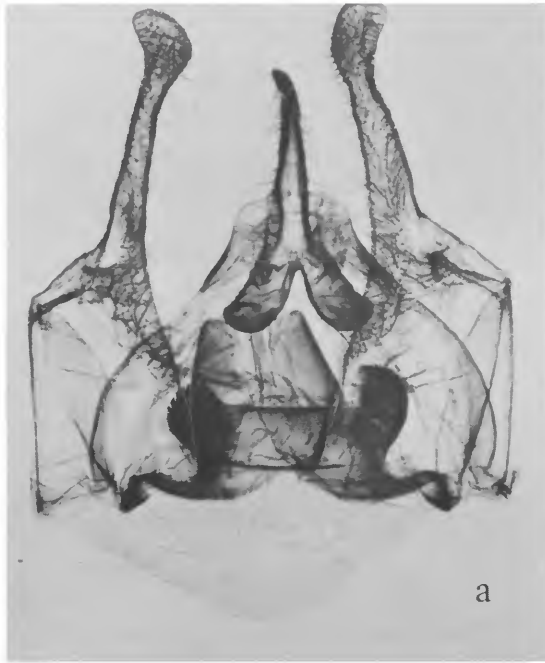


PLATE 49.—♂ genitalia: *a,b*, *Hemihyalea nimbipicta* Dyar; *c,d*, *H. euornithea* Dyar.

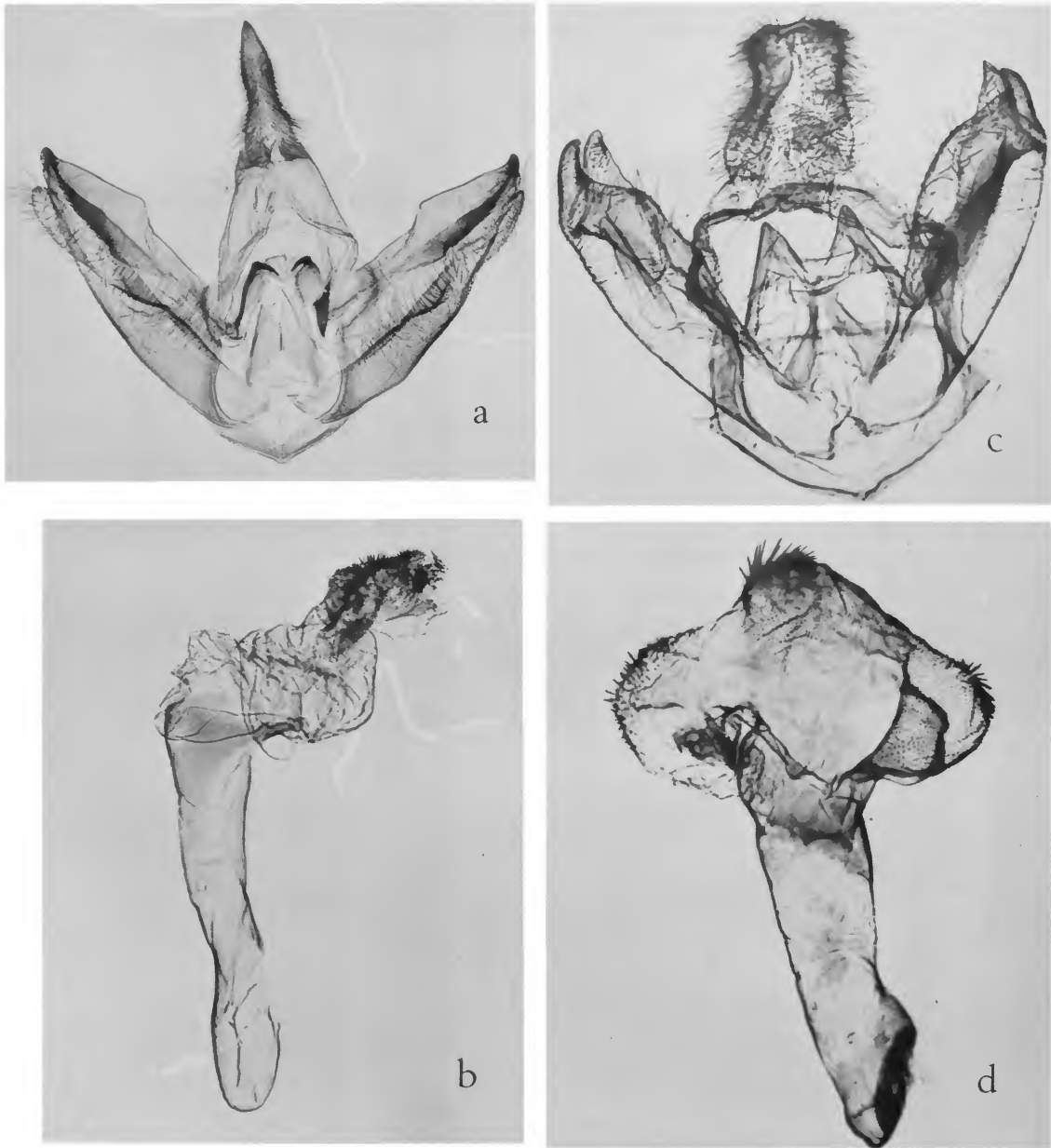


PLATE 50.—♂ genitalia: *a,b*, *Elysium arpi* Dognin; *c,d*, *Halisidota andensis* (Schaus).



PLATE 51.—♂ genitalia: *a,b*, *Halisdota pectina* Schaus [junior synonym of *Halisdota alsus* Cramer]; *c,d*, *Thalesa debilis* Schaus.

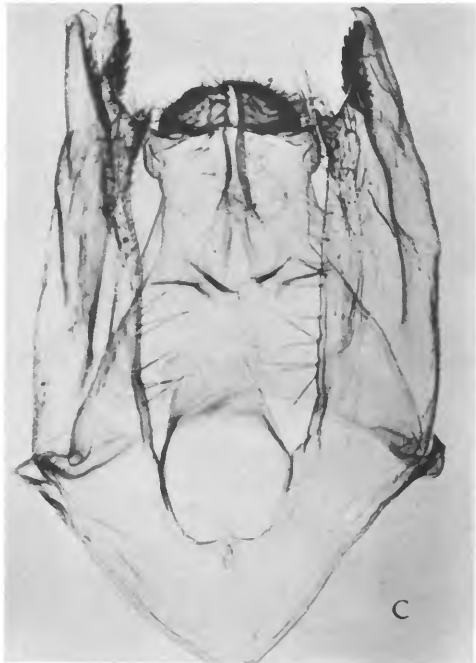
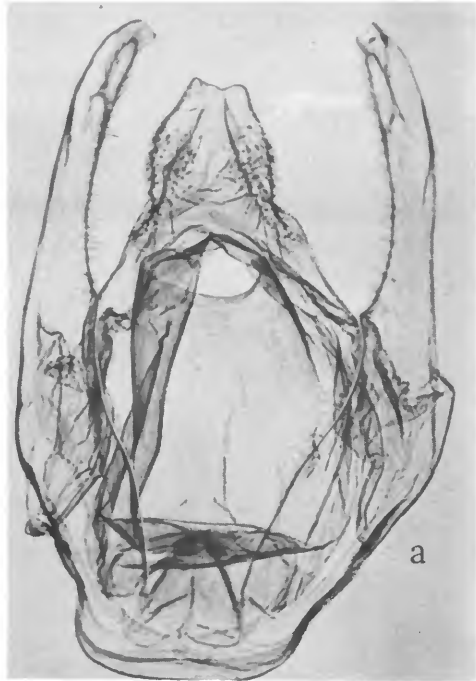


PLATE 52.—♂ genitalia: *a, b*, *Ischnocampa tovia* Dognin [junior synonym of *Ischnocampa discopuncta* (Hampson)]; *c, d*, *I. mibilosa* (Dognin).

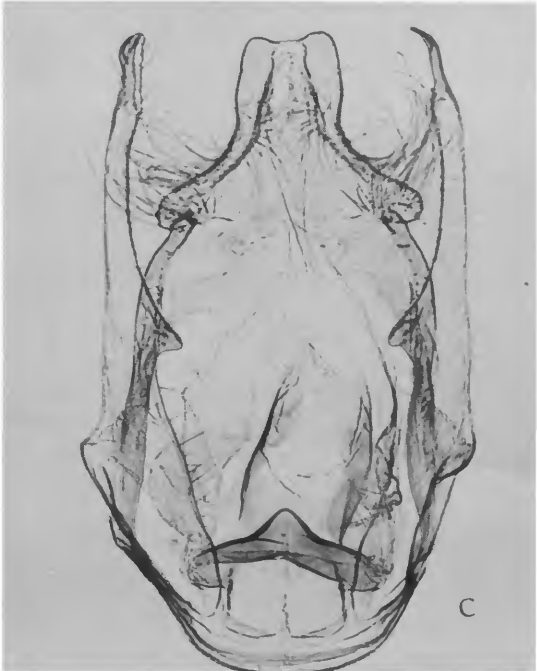


PLATE 53.—♂ genitalia: a,b, *Ischnocampa achrosis* Dognin; c,d, *I. mamona* (Dognin).

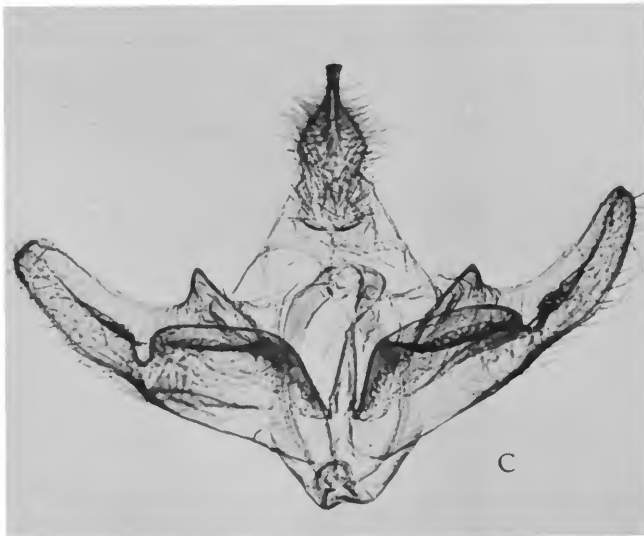


PLATE 54.—♂ genitalia: *a,b*, *Ischnocampa albiceps* Dognin; *c,d*, *Amastus antonio* Dognin.

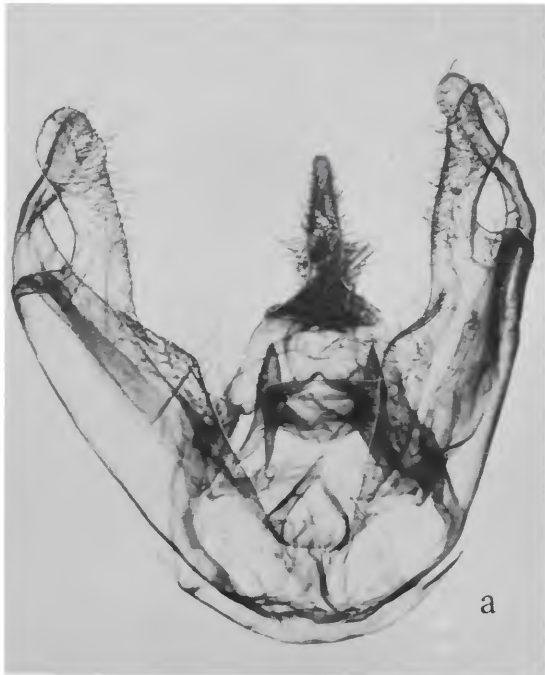


PLATE 55.—♂ genitalia: *a,b*, *Amastus aphraates* Schaus; *c,d*, *A. edaphus* Dyar.

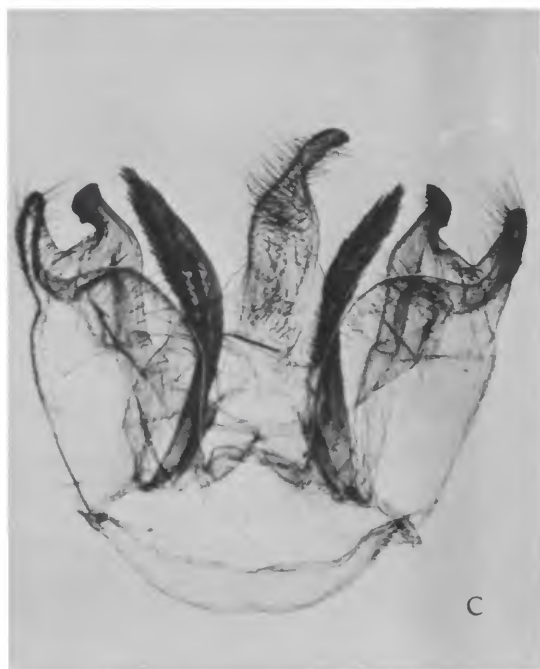


PLATE 56.—♂ genitalia: *a,b*, *Amastus flavidus* Dognin; *c,d*, *A. paramensis* Dognin.

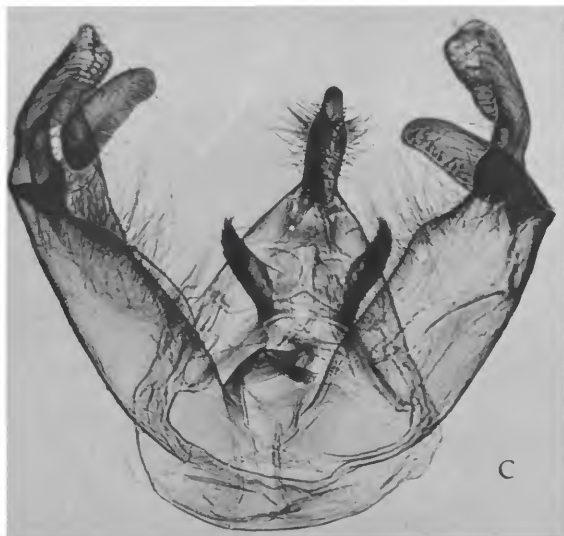
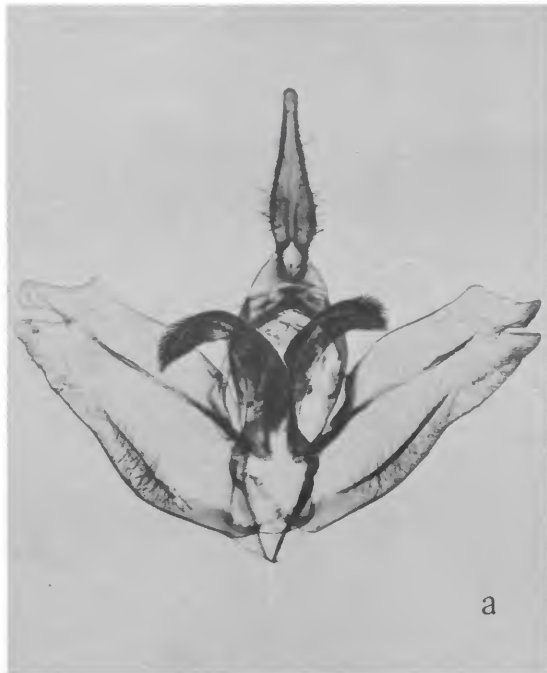
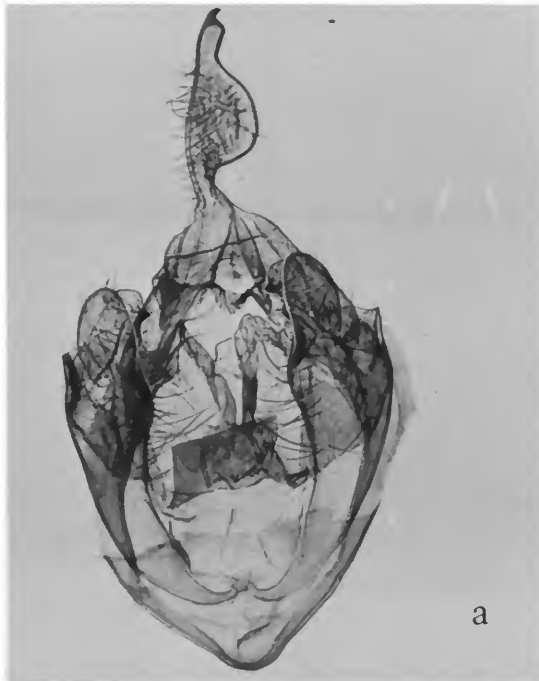


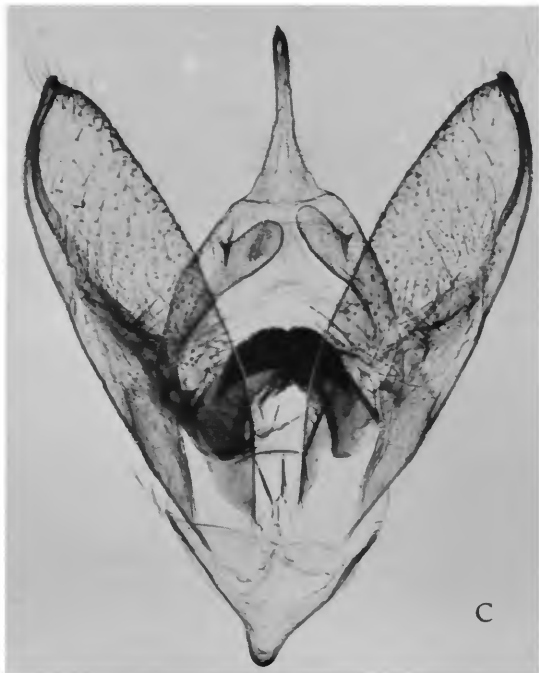
PLATE 57.—♂ genitalia: *a,b*, *Amastus adela* Schaus; *c,d*, *A. formosana* Schaus.



a



b



c



d

PLATE 58.—♂ genitalia: *a,b*, *Phaegoptera nexoides* Schaus [junior synonym of *Phaegoptera schafferi* Schaus]; *c,d*, *Calidota clarcana* Dyar.

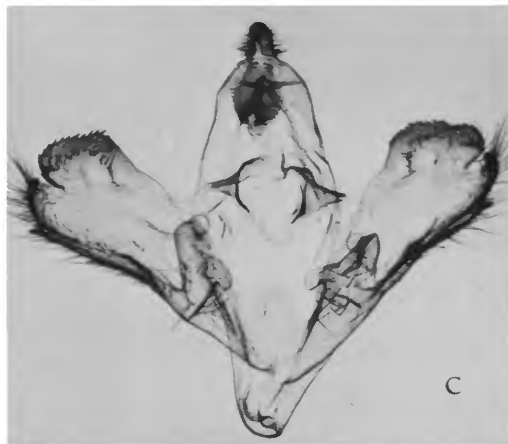
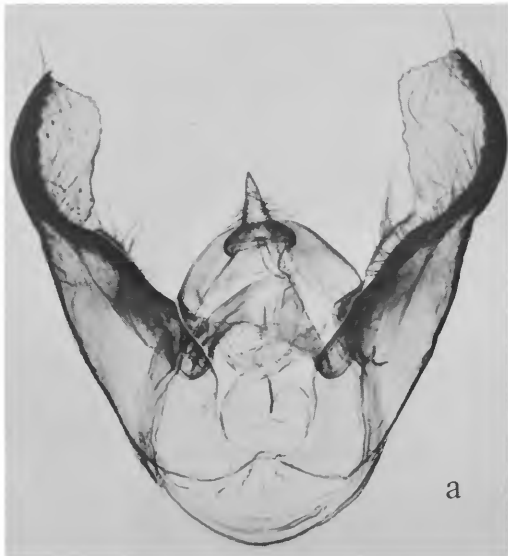


PLATE 59.—♂ genitalia: *a,b*, *Calidota calosoma* Dyar; *c,d,e*, *C. rudis* Schaus.

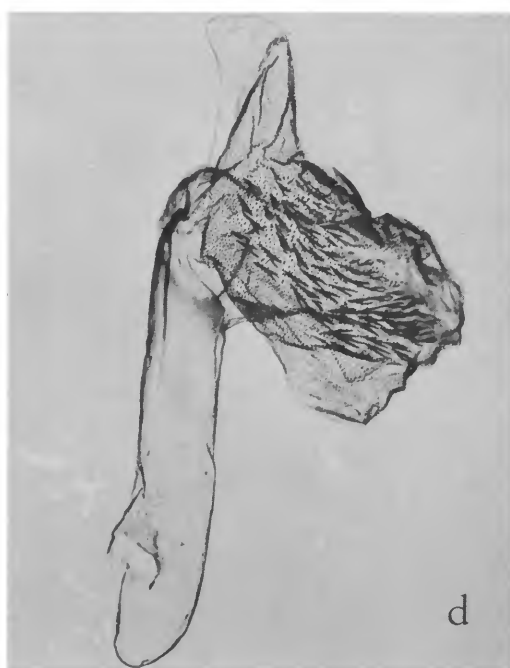
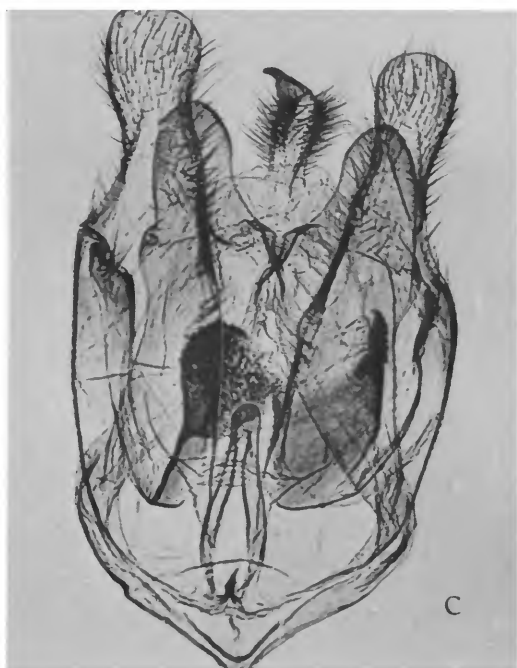


PLATE 60.—♂ genitalia: *a,b*, *Calidota rema* (Dognin); *c,d*, *C. momis* Dyar.

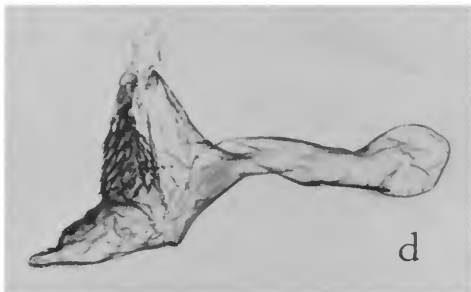


PLATE 61.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Calidota gigas* (Dognin); *d,e*, *C. morosa* (Schaus).

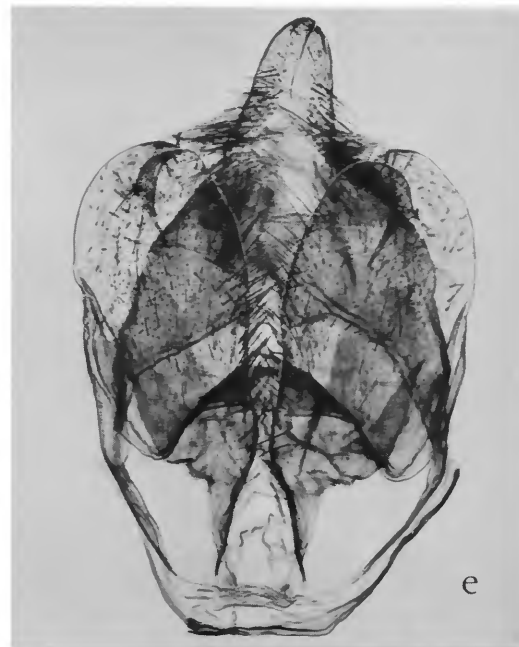
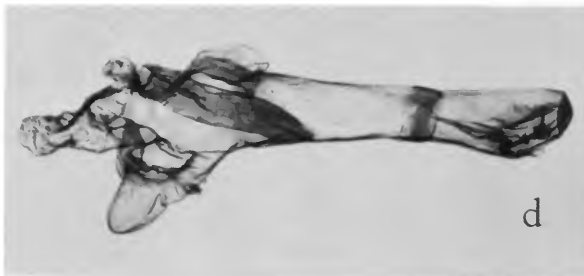
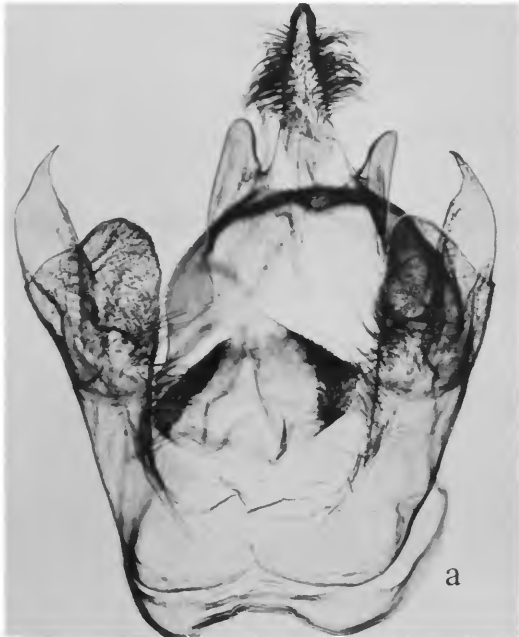


PLATE 62.—♂ genitalia: *a,b,c*, *Mazaeras janeira* (Schaus); *d,e*, *Opharus flavicostata* Dognin.

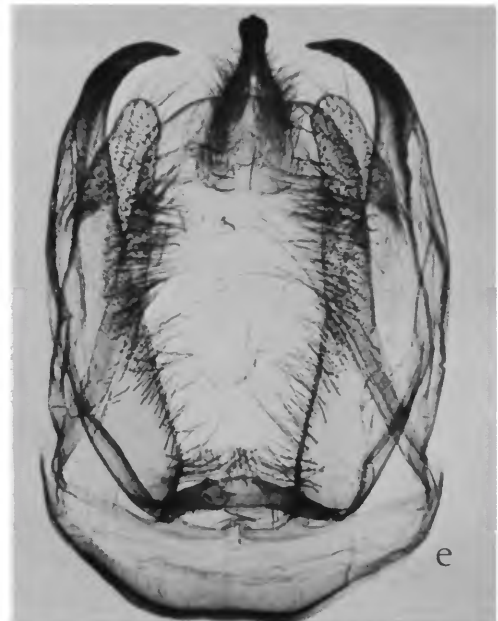
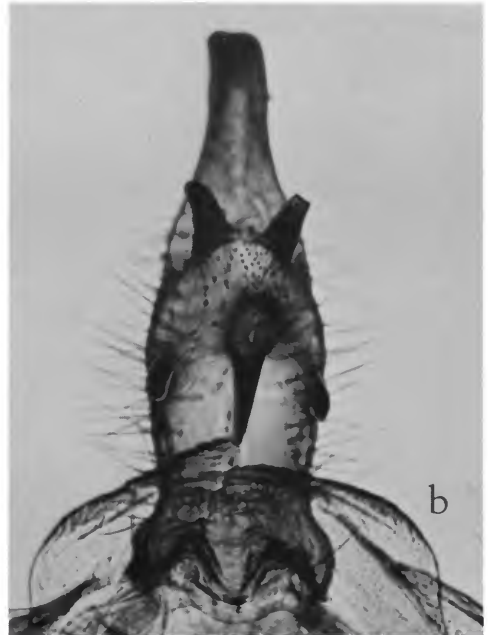
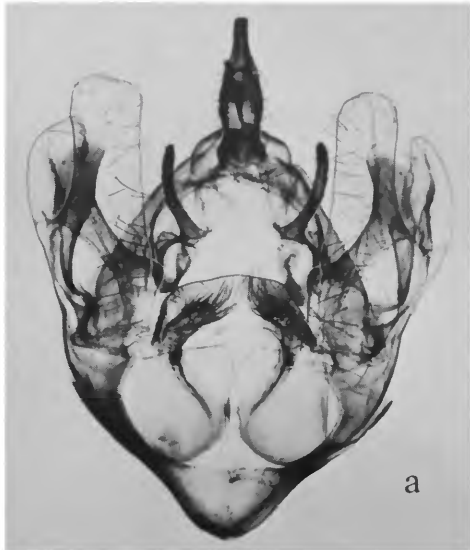


PLATE 63.—♂ genitalia: *a,b,c*, *Elysius gladysia* Schaus; *d,e*, *E. macasia* Schaus.

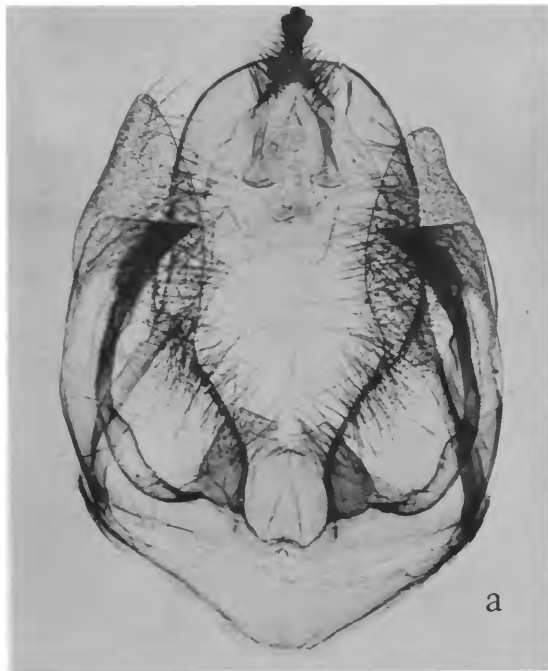


PLATE 64.—♂ genitalia: *a,b*, *Elysia francki* (Schaus); *c,d*, *E. sarcochroa* Dognin.

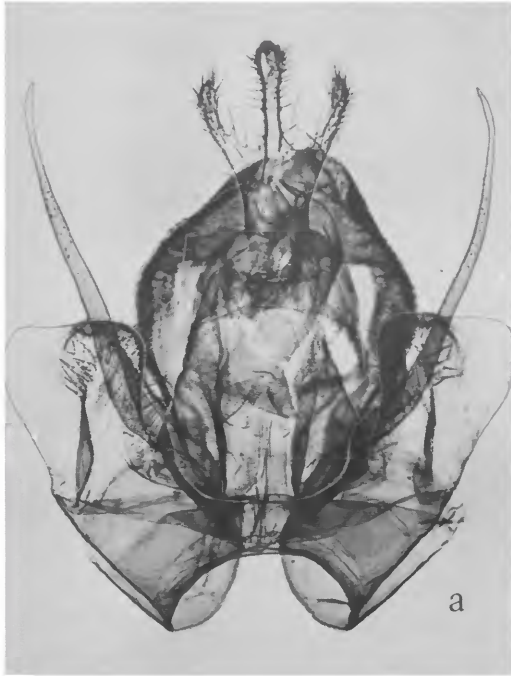


PLATE 65.—♂ genitalia: *a,b*, *Elysium phantasma* Schaus; *c,d*, *E. systron* Schaus.

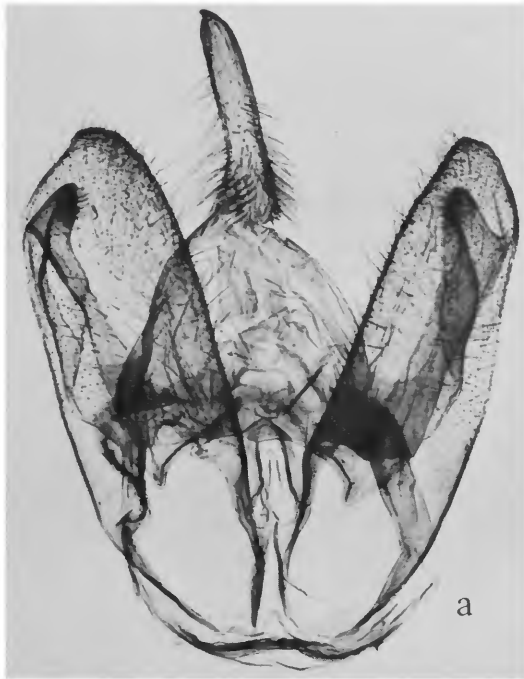


PLATE 66.—♂ genitalia: *a,b*, *Elysius carbonarius* (Dognin); *c,d*, *Calidota angelus* Dyar.

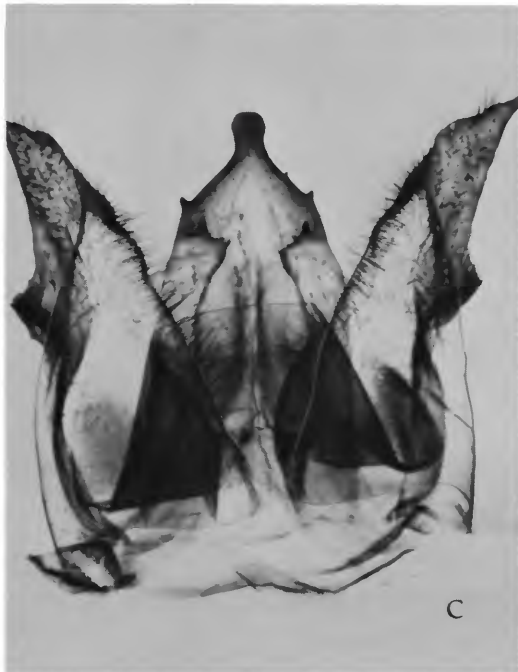
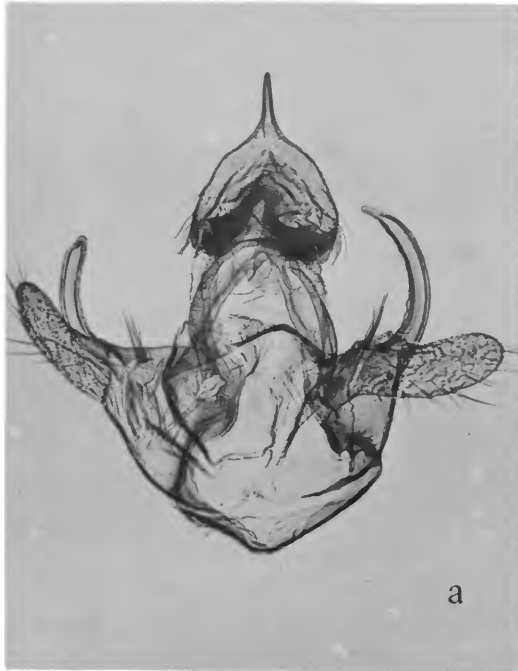


PLATE 67.—♂ genitalia: *a,b*, *Calidota albaticosta* Dyar; *c,d*, *Halisidota costistrigata* Schaus.

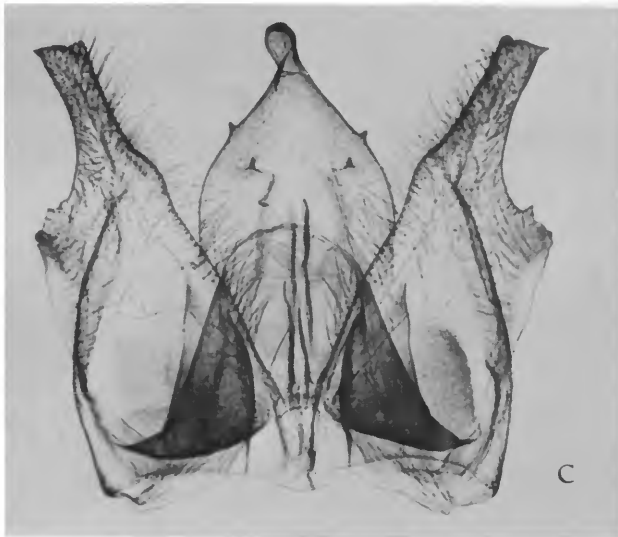
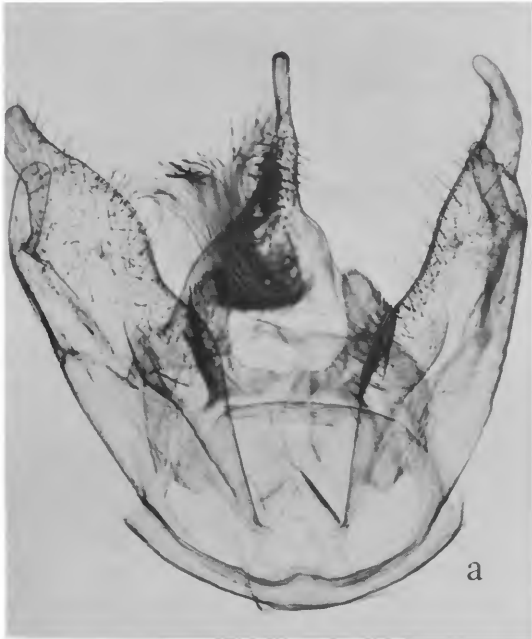


PLATE 68.—♂ genitalia: *a,b*, *Halisidota agatha* Schaus; *c,d*, *H. dukinfieldia* (Schaus).

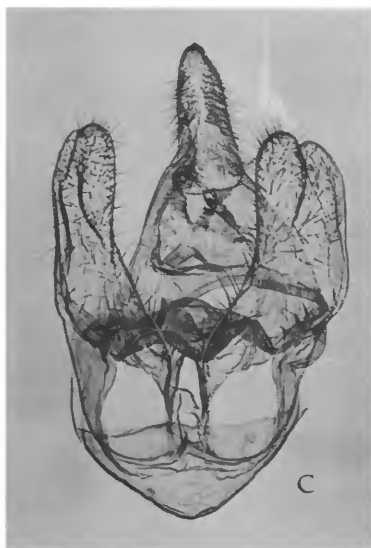
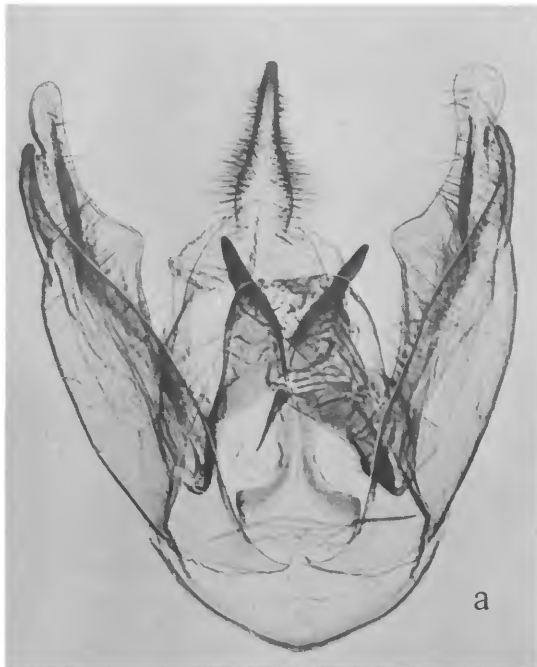


PLATE 69.—♂ genitalia: *a,b*, *Halisidota notata* (Schaus); *c,d*, *Metacrisia schausi* Dognin.

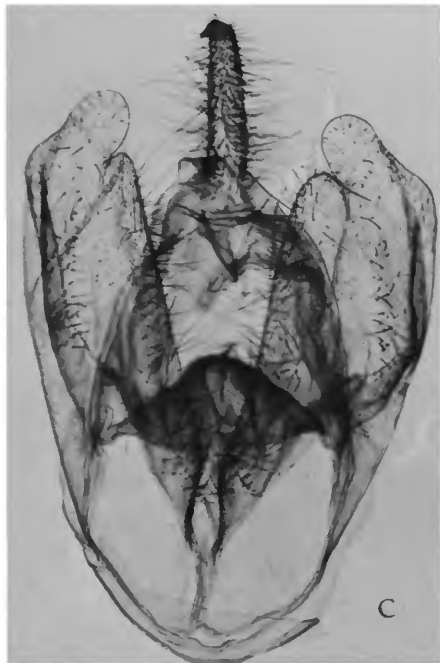


PLATE 70.—♂ genitalia: *a,b*, *Metacrisia courregesi* Dognin; *c,d*, *M. pua* (Dyar).

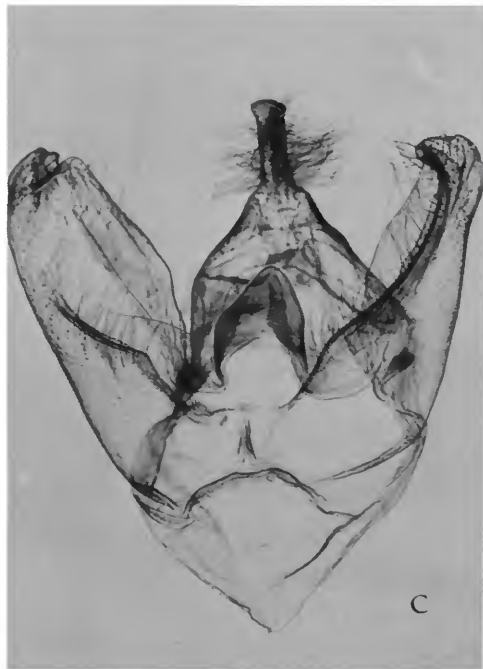
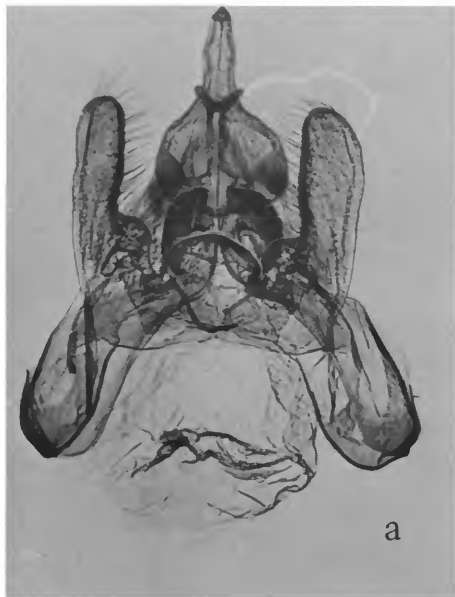


PLATE 71.—♂ genitalia: *a,b*, *Spodarctia superpulvorea* Dyar; *c,d*, *Eucereon rabusculum* Dognin.

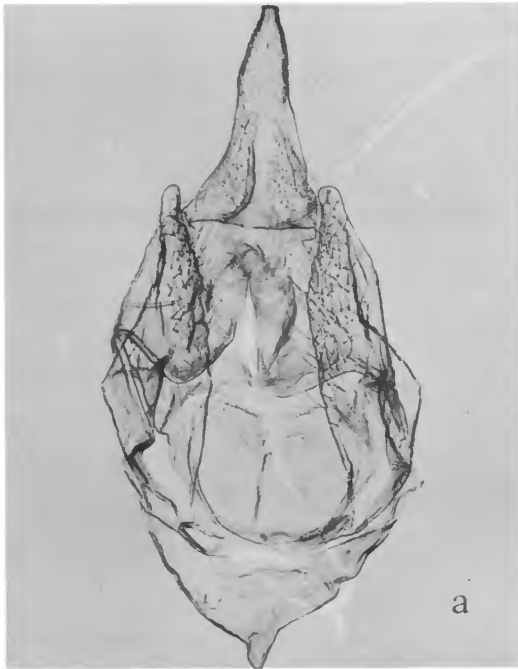


PLATE 72.—♂ genitalia: *a,b*, *Palaeomolis metacauta* Dognin; *c,d*, *Chlorhoda metamelaena* Dognin.

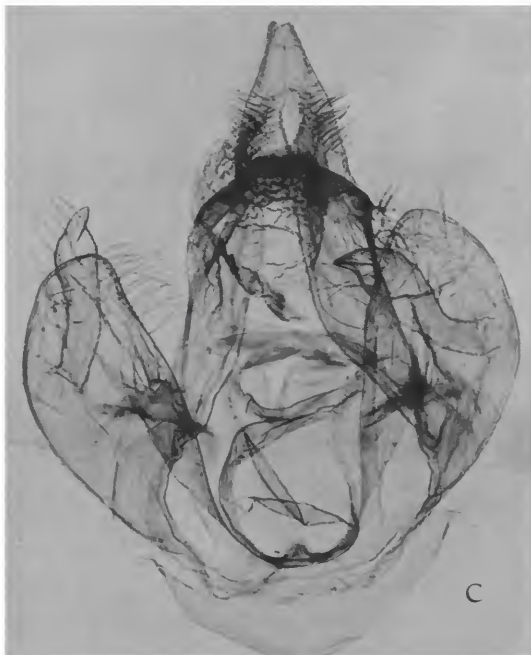
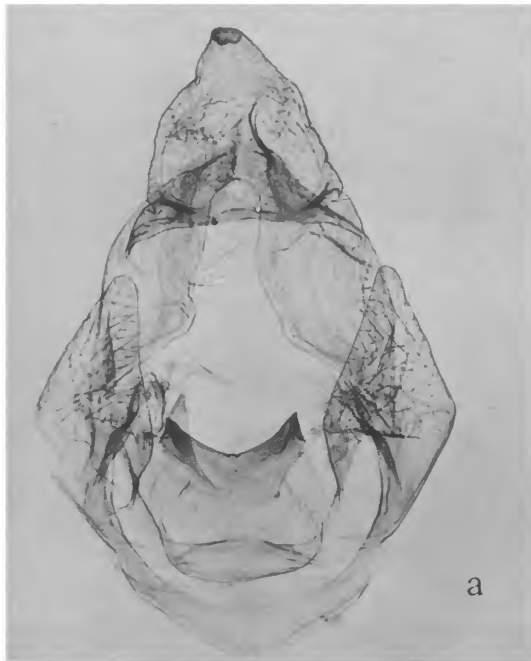


PLATE 73.—♂ genitalia: *a,b*, *Hypomolis rubricosta* (Dognin); *c,d*, *H. amabilis* (Schaus).

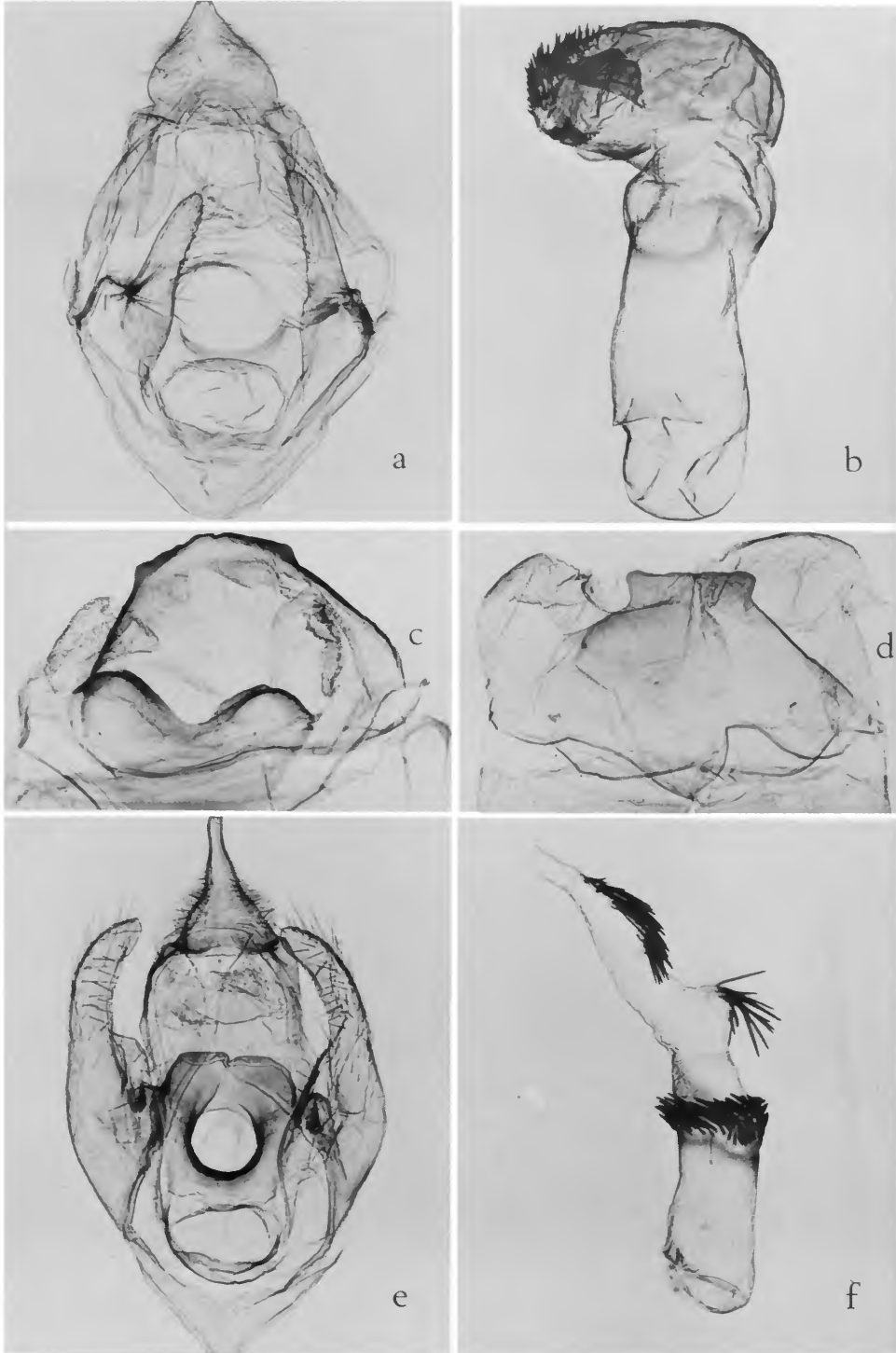


PLATE 74.—♂ genitalia and posterior part of abdomen: *a,b,c*, *Hypomolis rothschildi* Dognin;
d,e,f, *H. metarhoda* Dognin.

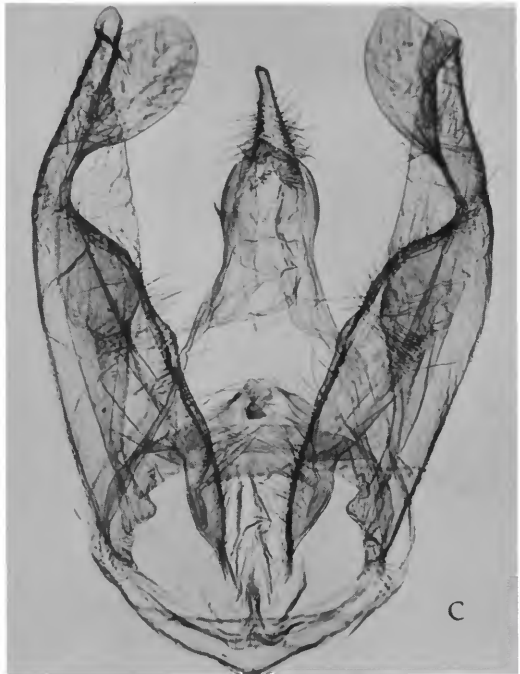
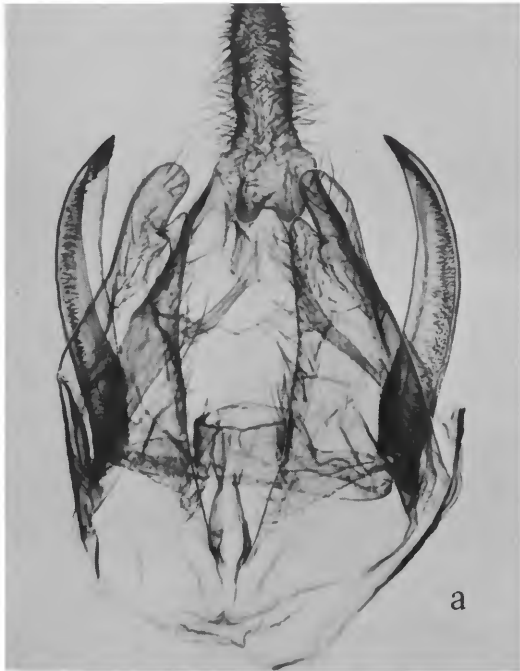


PLATE 75.—♂ genitalia: a,b, *Hypidota neurias* Schaus; c,d, *Hyalarctia tepica* Dyar.



PLATE 76.—♂ genitalia: *a,b*, *Hyalarctia sericea* Schaus; *c,d*, *Ectypia mexicana* (Dognin).

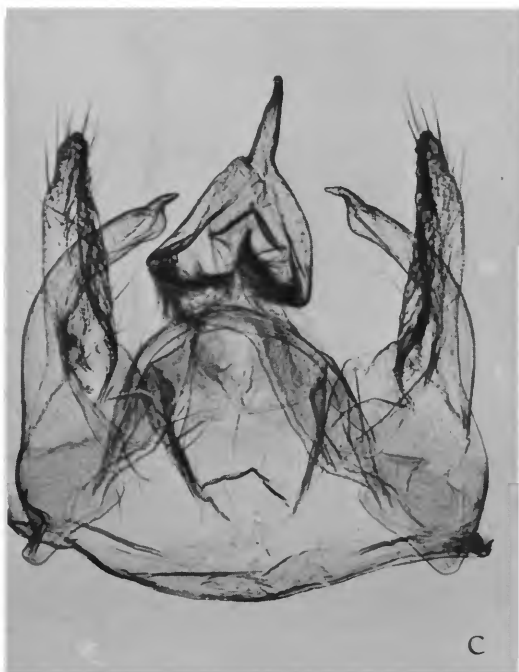
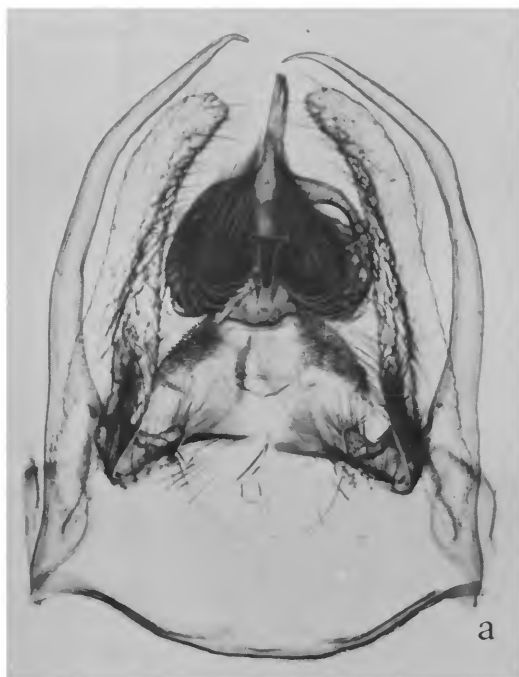


PLATE 77.—♂ genitalia; *a,b*, *Euchaetias cressida* Dyar; *c,d*, *E. epagoga* Dyar.

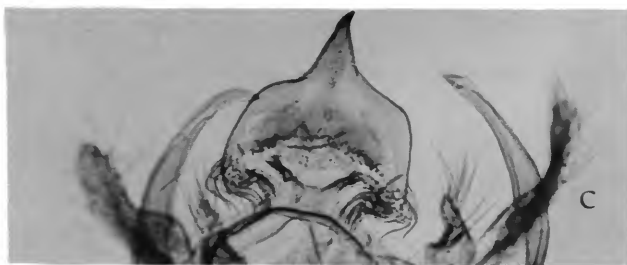
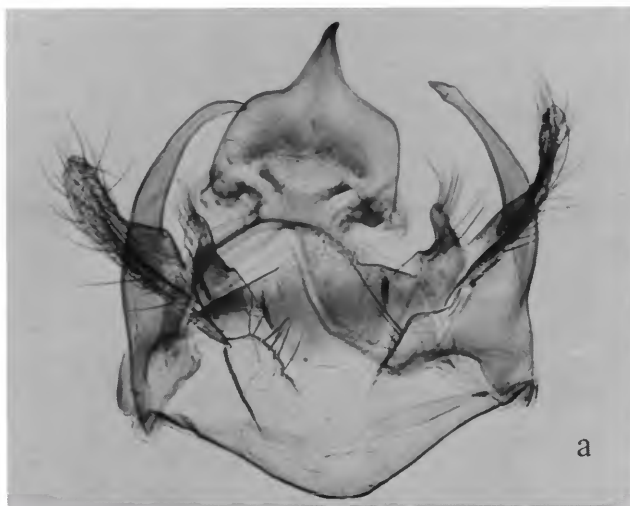


PLATE 78.—♂ genitalia: *a,b,c*, *Euchaetias psara* Dyar; *d,e*, *E. expressa jalapa* Strand.

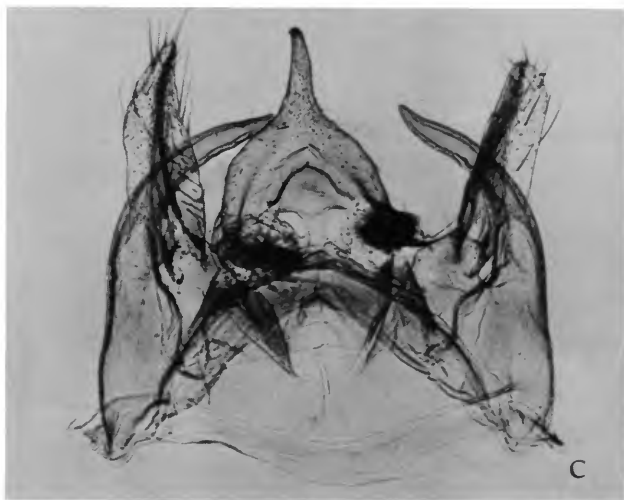
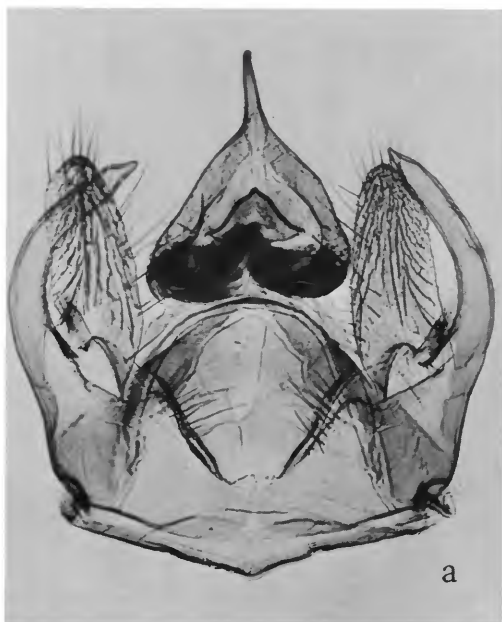


PLATE 79.—♂ genitalia: *a,b*, *Euchaetias albicosta densa* Dyar; *c,d*, *E. fumidus* H. Edwards [junior synonym of *Euchaetias albicosta* Walker].

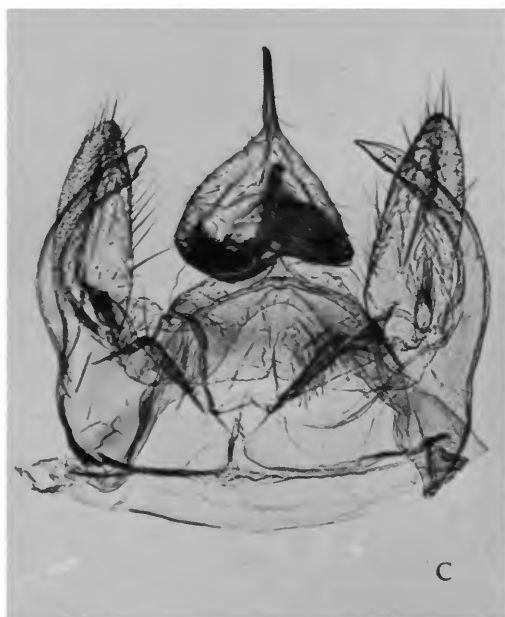
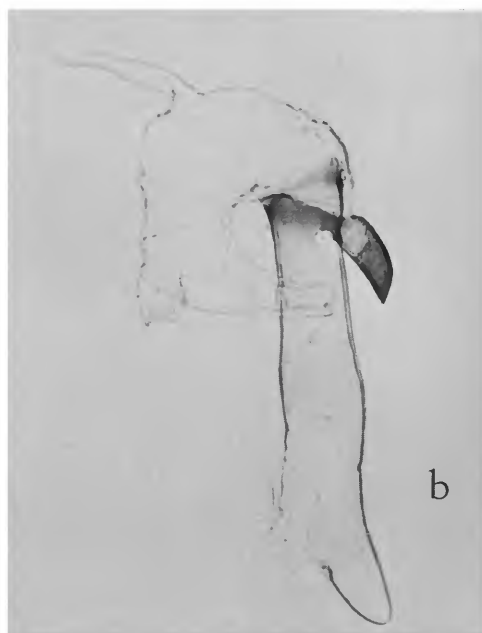
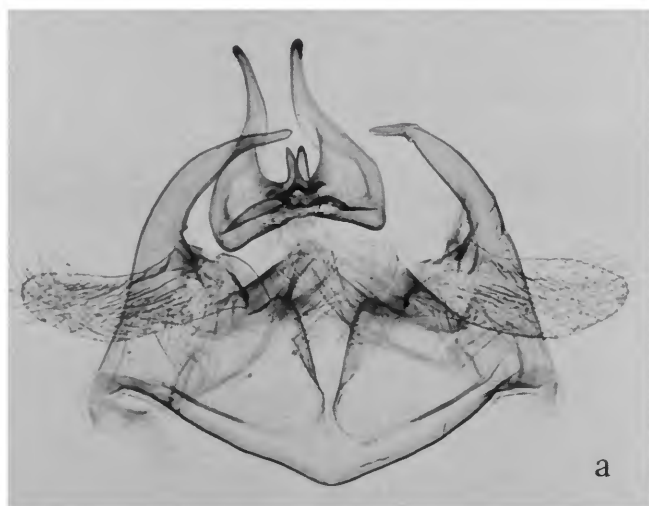


PLATE 80.—♂ genitalia: *a,b*, *Euchaetias antica sinaloensis* Dyar; *c,d*, *E. rhadia* Dyar.

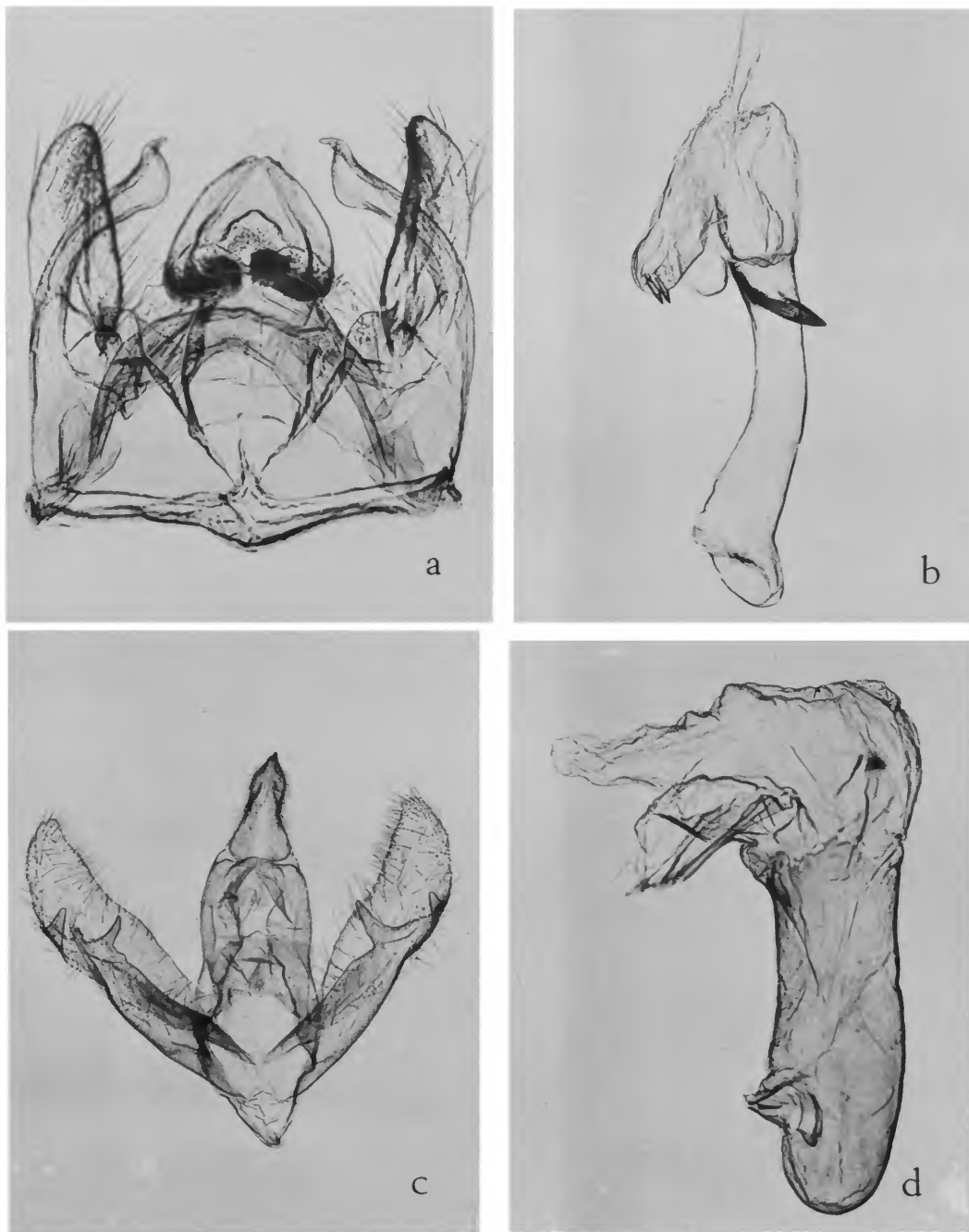


PLATE 81.—♂ genitalia: *a,b*, *Euchaetias mitis* Schaus; *c,d*, *Acyclania tenebrosa* Dognin.

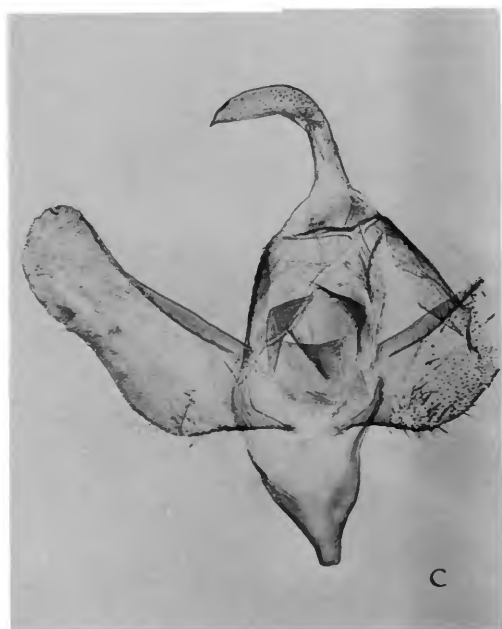
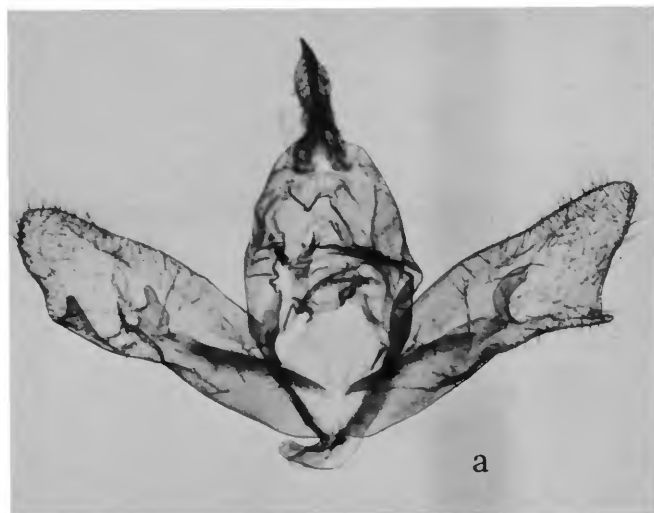


PLATE 82.—♂ genitalia: *a,b*, *Acyclania schadei* Schaus; *c,d*, *Zamolis noctella* Dyar [junior synonym of *Stenucha dolens* (Druce)].

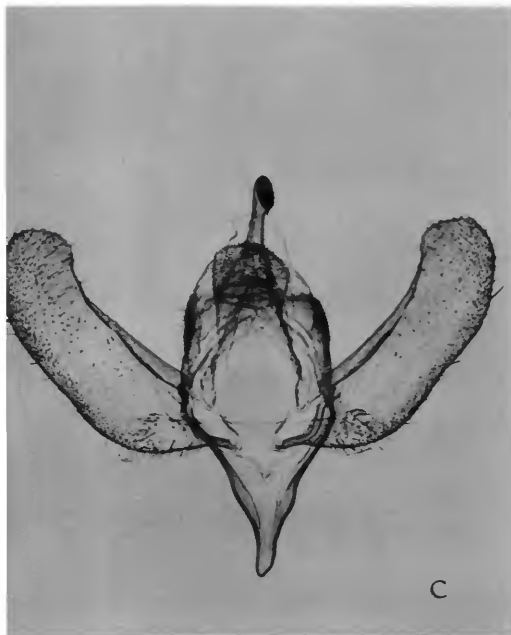
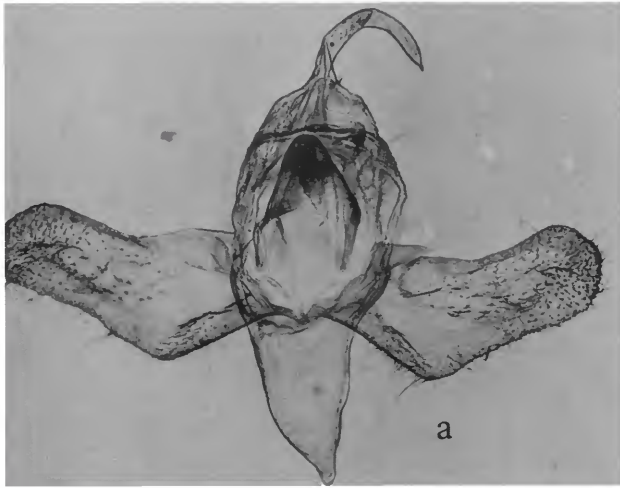


PLATE 83.—♂ genitalia: *a,b*, *Hypomolis minca* Schaus; *c,d*, *Ardonipsa melas* Dyar [*H. minca* and *A. melas* are junior synonyms of *Stenucha dolens* (Druce)].

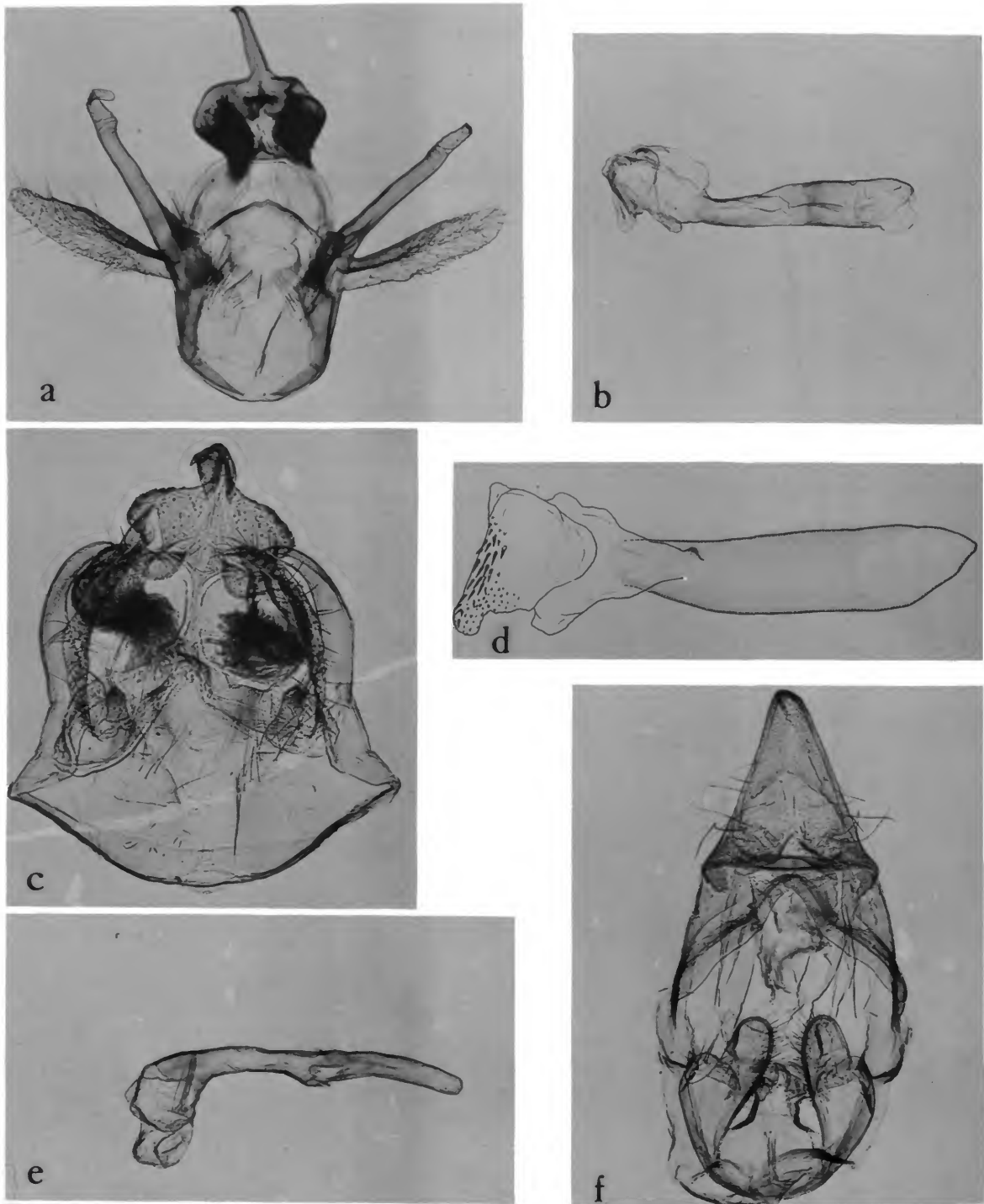
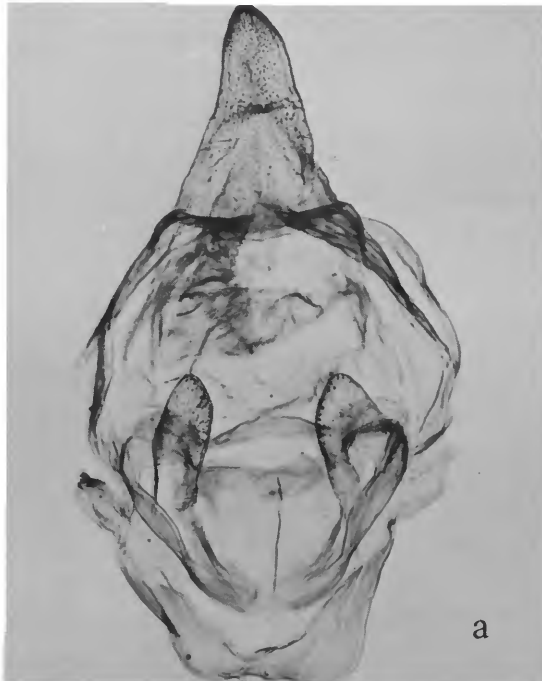


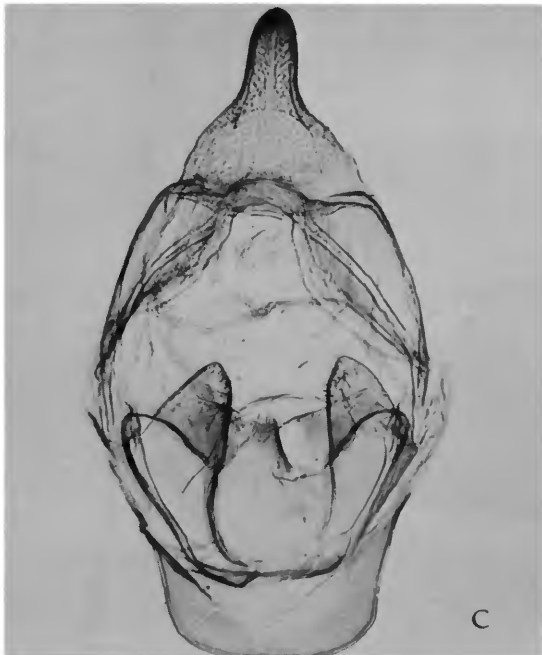
PLATE 84.—♂ genitalia: *a,b*, *Pygarctia elegans haematodes* Dyar; *c,d*, *P. pterygostigma* Dyar; *e,f*, *Antarctica pallidivena* Schaus.



a



b



c



d

PLATE 85.—♂ genitalia: *a,b*, *Motada bergi* Schaus [junior synonym of *Antarctia costata* Burmeister]; *c,d*, *Antarctia valstana* Schaus.

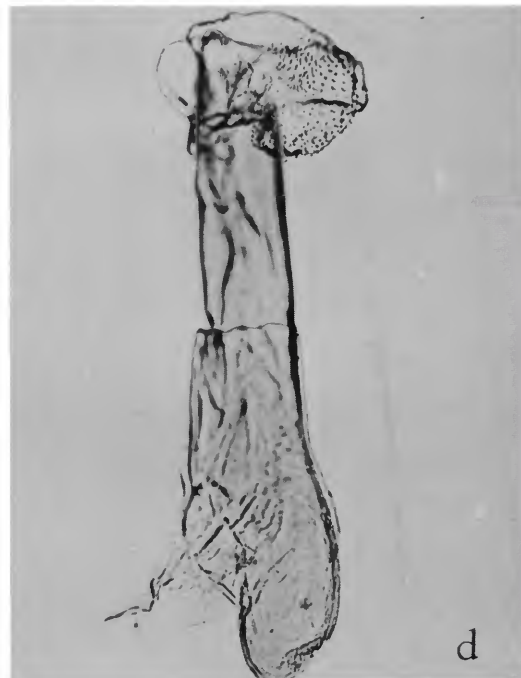
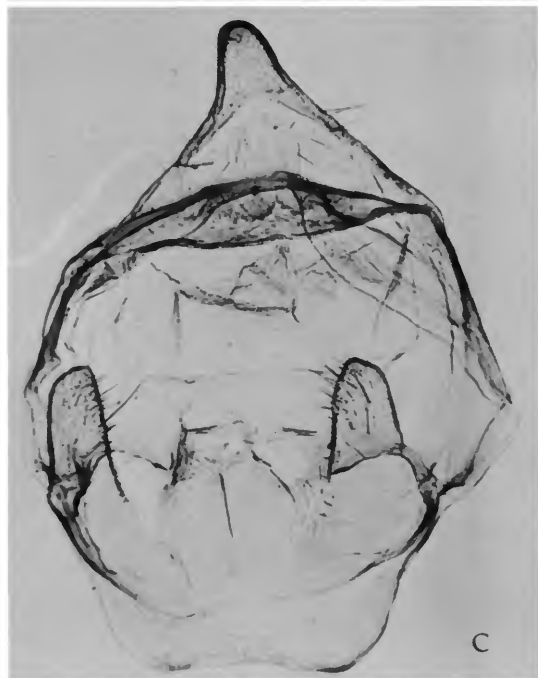
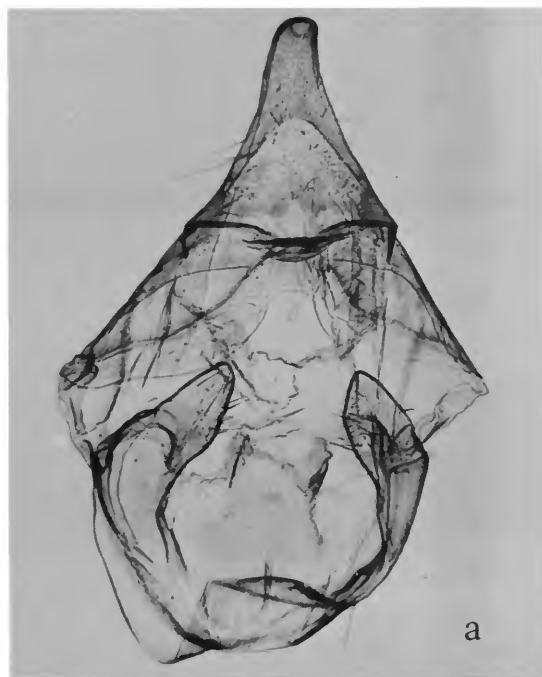


PLATE 86.—♂ genitalia: *a,b*, *Antarctica marcona* Schaus; *c,d*, *A. paula* (Schaus).

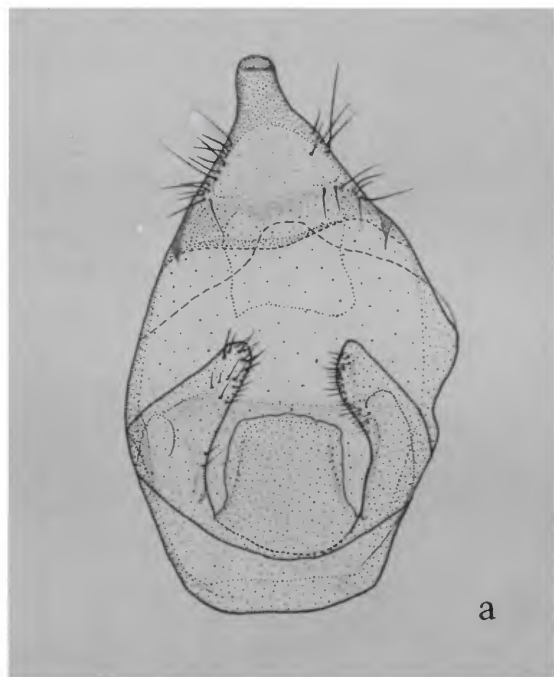


PLATE 87.— ♂ genitalia: a,b, *Antarctica emerita* Schaus; c,d, *A. vulpecula* Dognin.

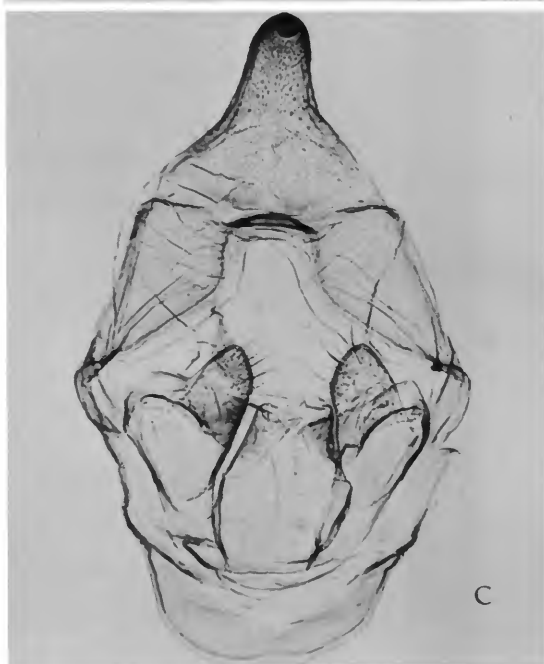
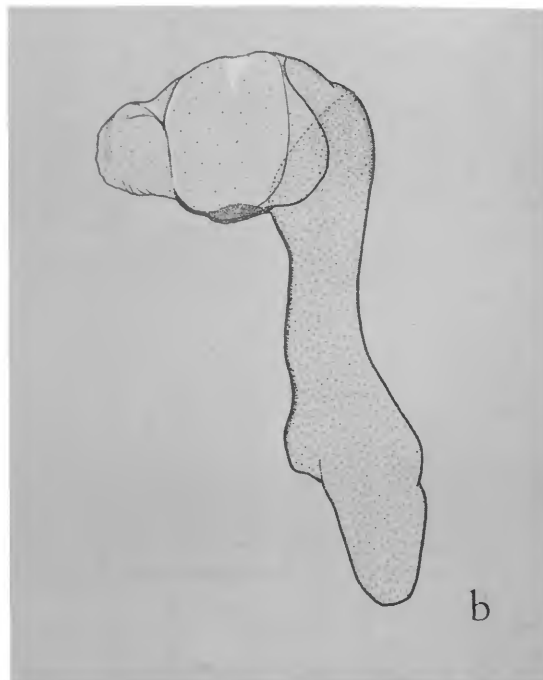
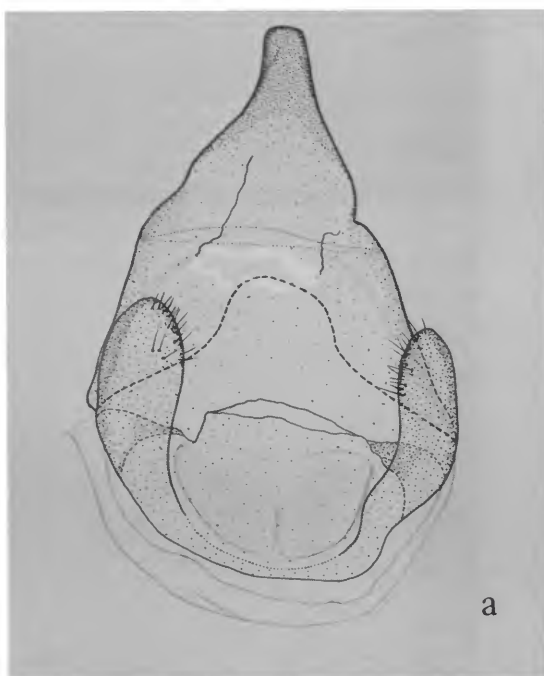


PLATE 88.—♂ genitalia: *a,b*, *Mallocephala bogotensis* Dognin; *c,d*, *Antarctia amarga* Schaus.

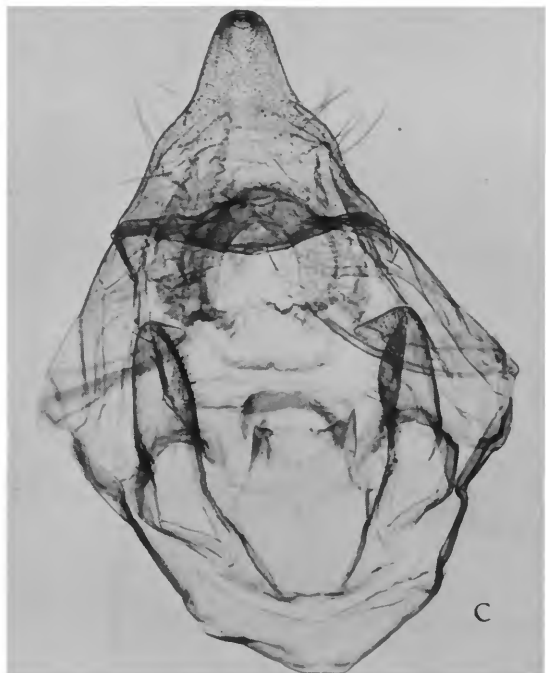
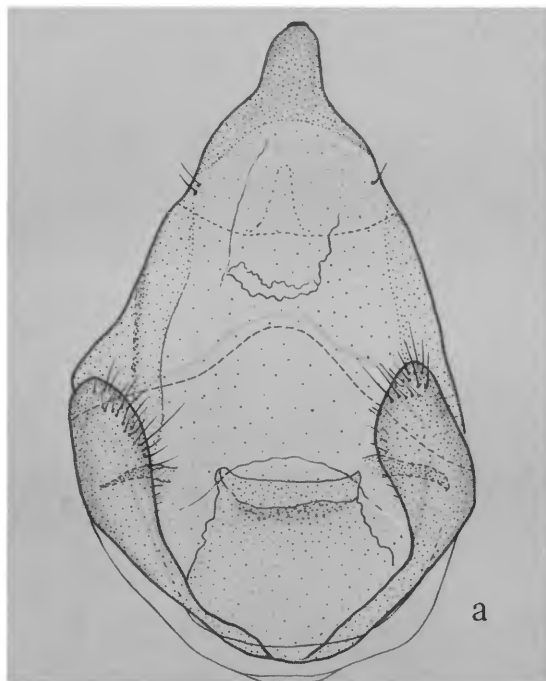


PLATE 89.—♂ genitalia: *a,b*, *Antarctica obscurior* Schaus; *c,d*, *A. variegata* Schaus.

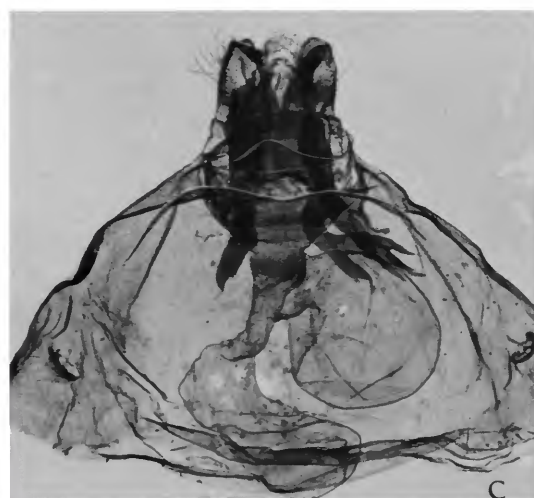
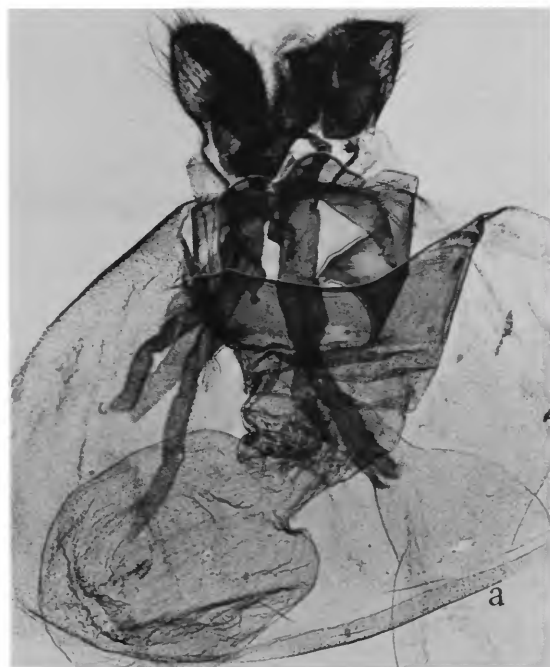


PLATE 90.—♀ genitalia: a, *Ecpantheria gaujoni* Dognin; b, *Prumala erratum* (Schaus); c, *Ecpantheria flavopunctata* Schaus; d, *Amastus genoveva* (Dognin).



PLATE 91.—♀ genitalia: a, *Amastus reinona* Schaus; b, *Amastus rothschildi* Dognin; c, *Amastus medica* (Dognin); d, *Amastus scriblita* Dognin.

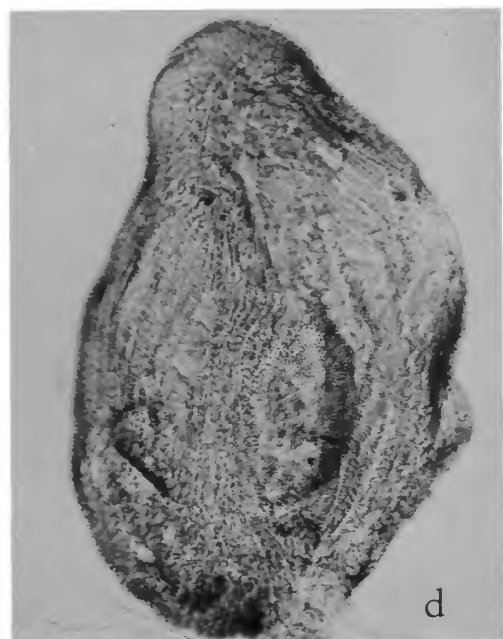
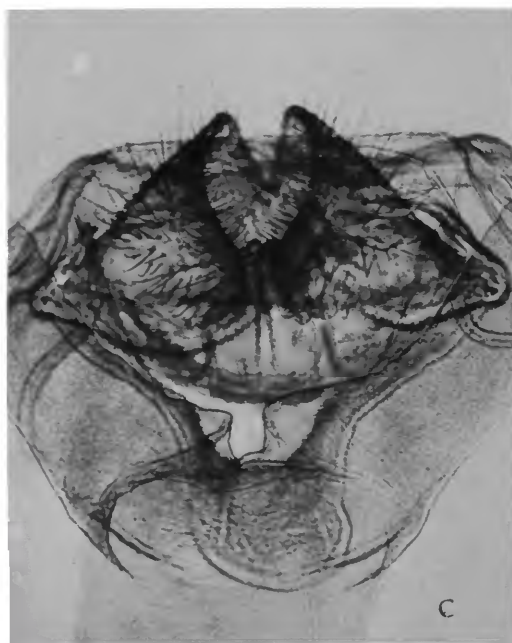
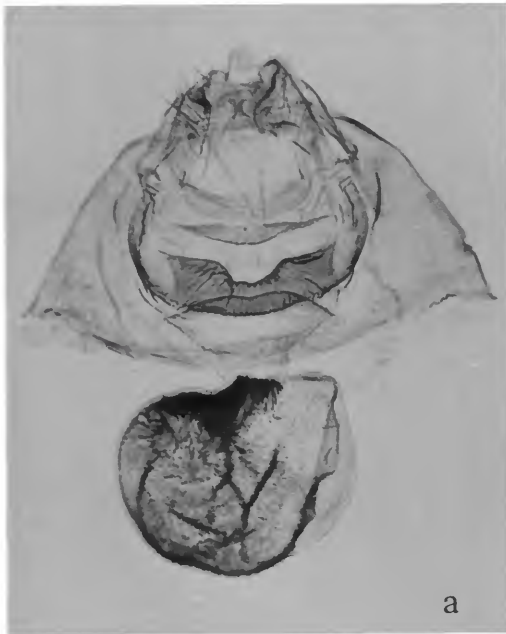


PLATE 92.—♀ genitalia: a, *Ischnocampa tristis* (Schaus); b,c,d, *Romualdia opharina* (Schaus).



PLATE 93.—♀ genitalia: a,b, *Hemihyalea annario* Dyar; c, *Hemihyalea melas* (Dognin); d, *Halisidota margona* Schaus.



PLATE 94.—♀ genitalia: a, *Ischnocampa remissa* (Dognin); b, *I. celer* (Schaus); c, *I. huigra* Schaus; d, *I. ignava* Dognin.



PLATE 95.—♀ genitalia: a, *Ischnocampa lugubris* (Schaus); b, *Amastus vesta* Dognin; c, *A. jeritzae* Schaus; d, *A. pseuderebella subterminata* Dognin. (See next plate for detail of ostium.)



PLATE 96.—♀ genitalia; a, *Amastus pseuderebella subterminata* Dognin; b, *A. aloniae* Schaus; c, *A. episcotosia* Dognin; d, *A. vandregisili* Schaus.



PLATE 97.—♀ genitalia: a,b, *Amastus polystrigata* Dognin; c, *A. volcancita* Dognin; d, *A. ferrera* Schaus.



PLATE 98.—♀ genitalia: a, *Amastus supersimilis* Dognin; b, *A. thermidora* Dognin; c,d, *A. minerva* (Dognin).



PLATE 99.—♀ genitalia: a, *Calidota divina* (Schaus); b,c, *C. quadripunctata* Schaus; d, *C. gemma* (Schaus).

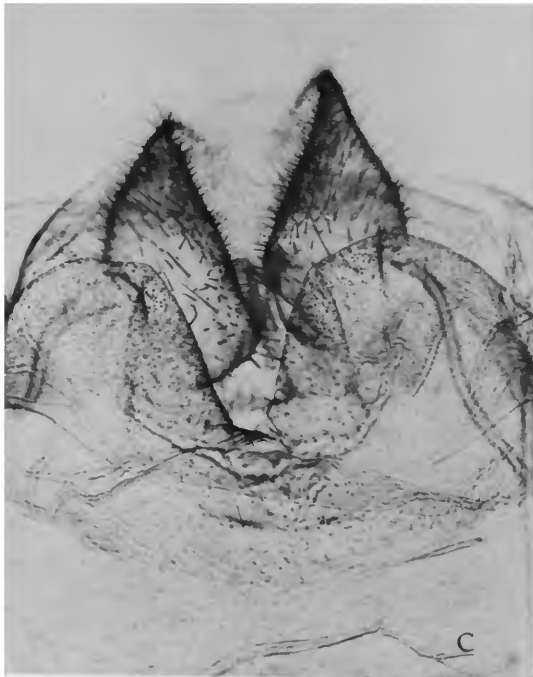
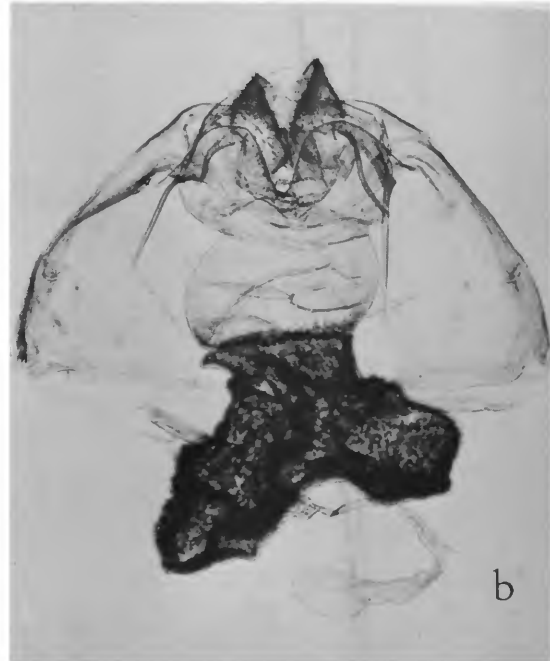
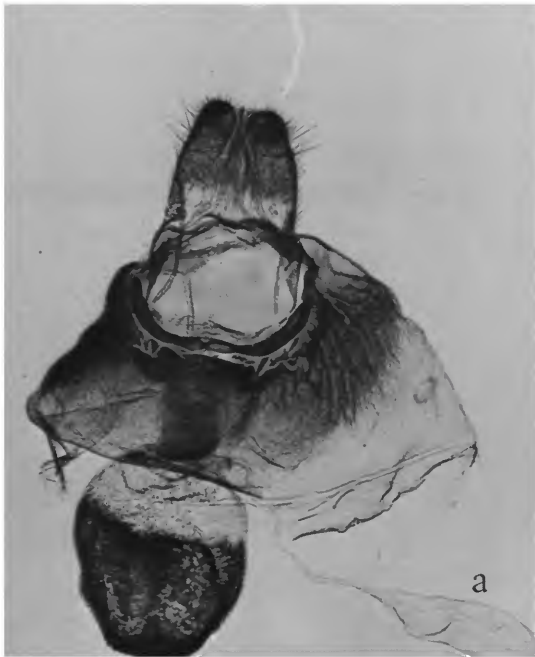


PLATE 100.—♀ genitalia: a, *Calidota albiceps* Dognin; b,c, *C. euchaetiformis* (H. Edwards);
d, *C. hadesia* Schaus.

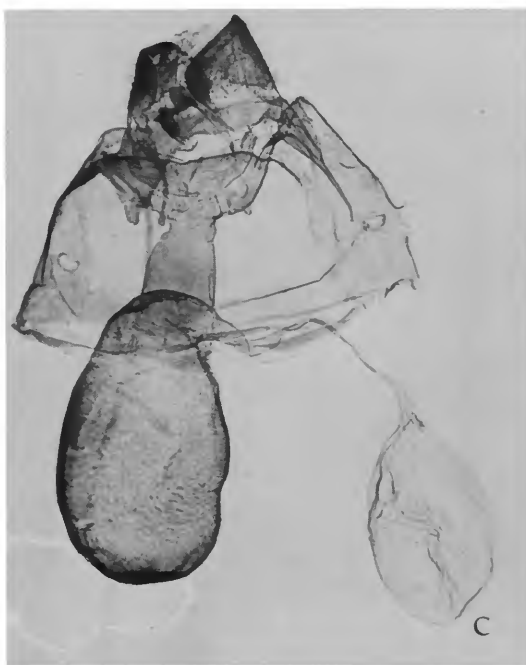


PLATE 101.—♀ genitalia: a, *Calidota leucocorypha* Dognin; b, *Opharus roseistriga* Schaus; c, *O. linus* Druce; d, *Pseudopharus hades* Dognin.

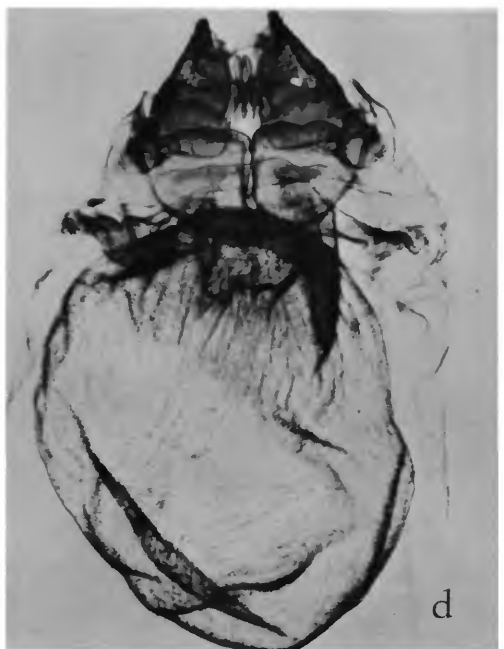
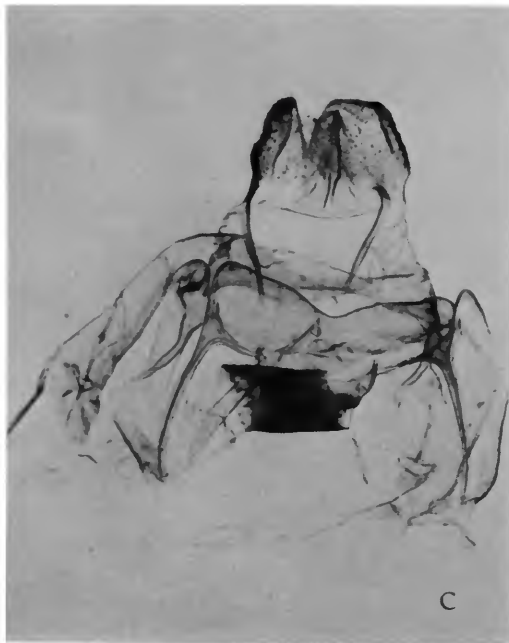
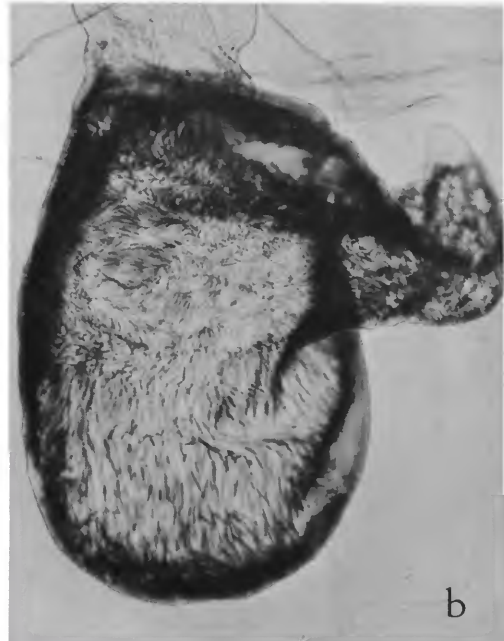


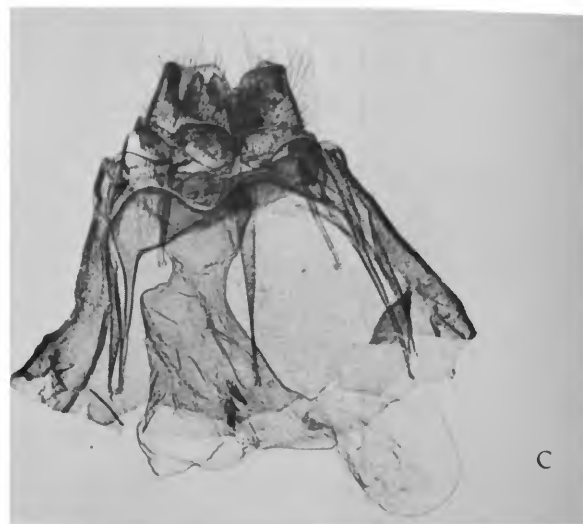
PLATE 102.—♀ genitalia: a,b, *Elysius ruffin* Schaus; c, *E. aeschista* Dognin; d, *E. thraikilli* (Schaus).



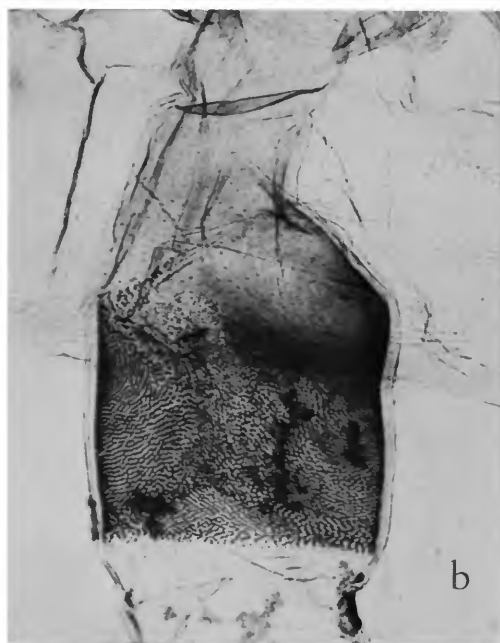
PLATE 103.—♀ genitalia: *a*, *Elysius thraikilli* (Schaus); *b*, *E. proba* (Schaus); *c*, *E. insulsa* Dognin; *d*, *Tessella jorgenseni* (Schaus).



a



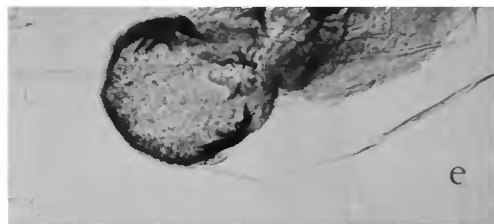
c



b



d



e

PLATE 104—♀ genitalia: a,b, *Mannina hagnoleuca* Dyar; c, *Elysius barnesi* Schaus; d,e, *Euchaetias parazona* Dyar [junior synonym of *Euchaetias antica* Walker].

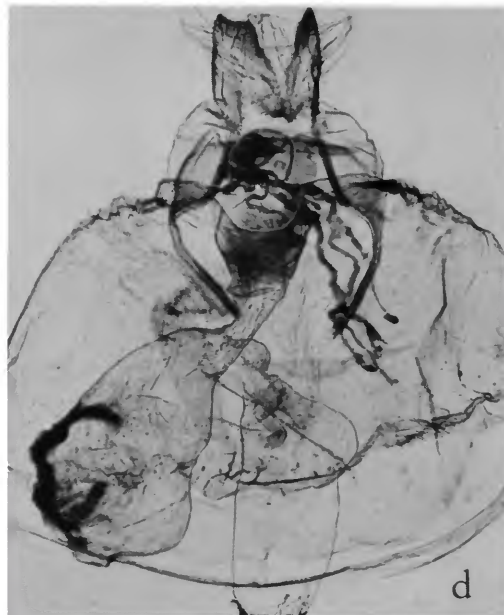
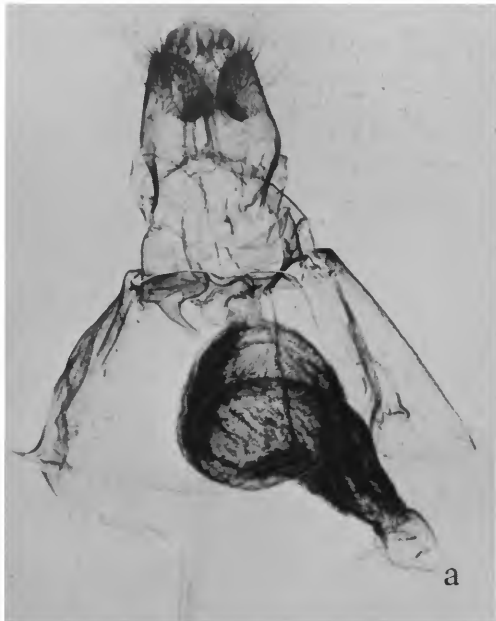


PLATE 105.—♀ genitalia: a, *Euchaetias rizoma* (Schaus); b,c, *Antarctica honora* (Schaus); d, *A. sericea* (Schaus).

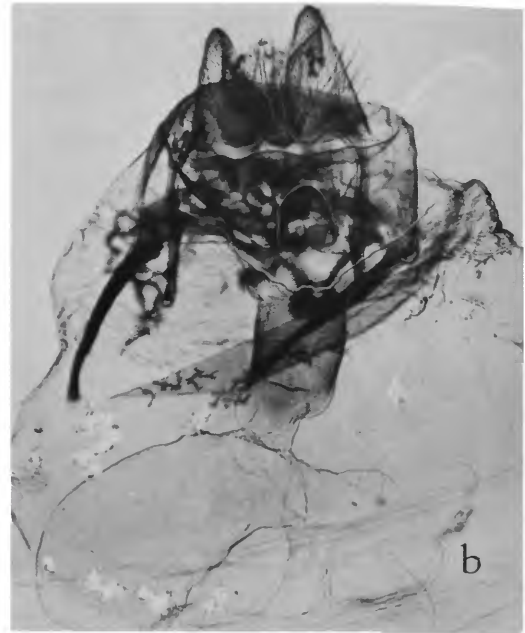
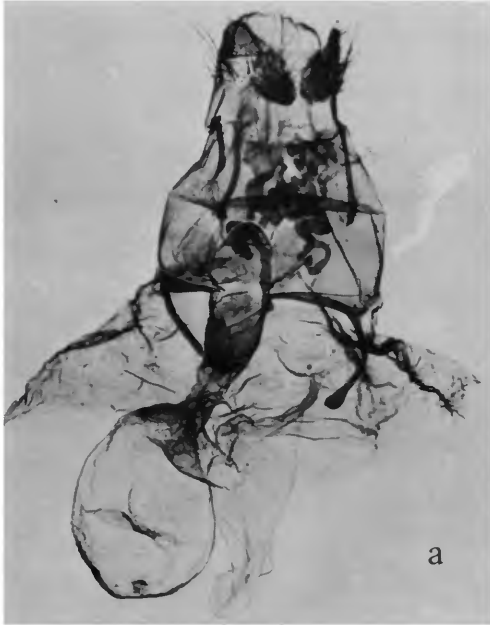


PLATE 106.—♀ genitalia: a, *Antarctia venata* Schaus; b, *A. dukinfieldia* (Schaus); c, *A. fervida* Schaus; d, *A. brunnea* ab. *amaryllis* (Schaus).

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