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“(Female: length 5 lines—Black; the pubescence white; that on the thorax above slightly tinged with yellow; the abdomen very bright, smooth and shining. The clypeus strongly punctured; the flagellum of the antennae fulvous beneath towards the apex. Thorax shiny and punctured; wings hyaline and iridescent, the nervures fusc-ferruginous. Abdomen impunctate at the base and very finely punctured towards the apex; the apical margin of each segment, except the basal one, with a white pubescent fascia.

“Male: A little smaller than the female, of the same jet-black colour, with similar white pubescence, and the same bright polished abdomen; the latter is oblong-ovate in the male, and of conical shape in the female, the apex being pointed. Hab. East Florida.)”

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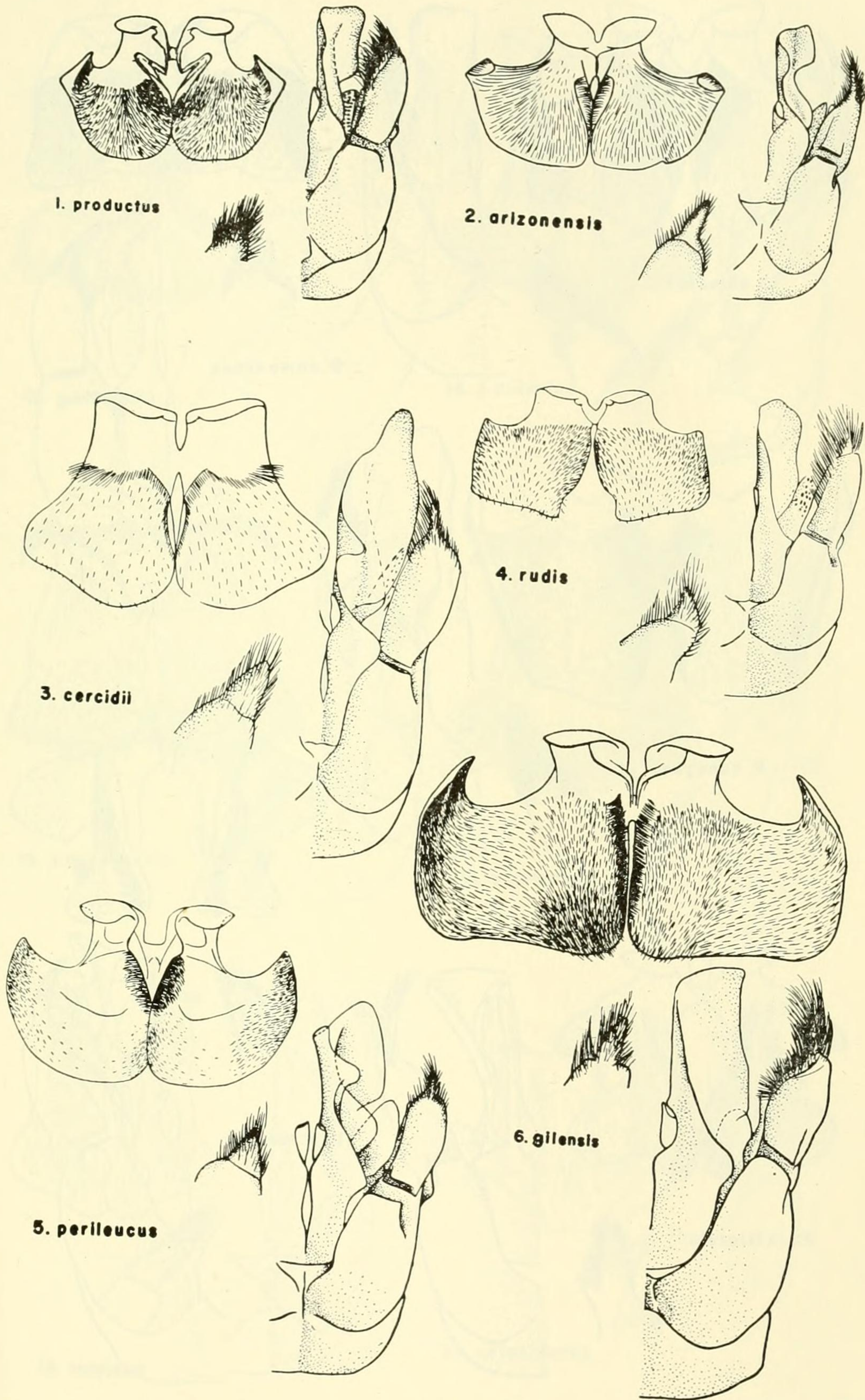
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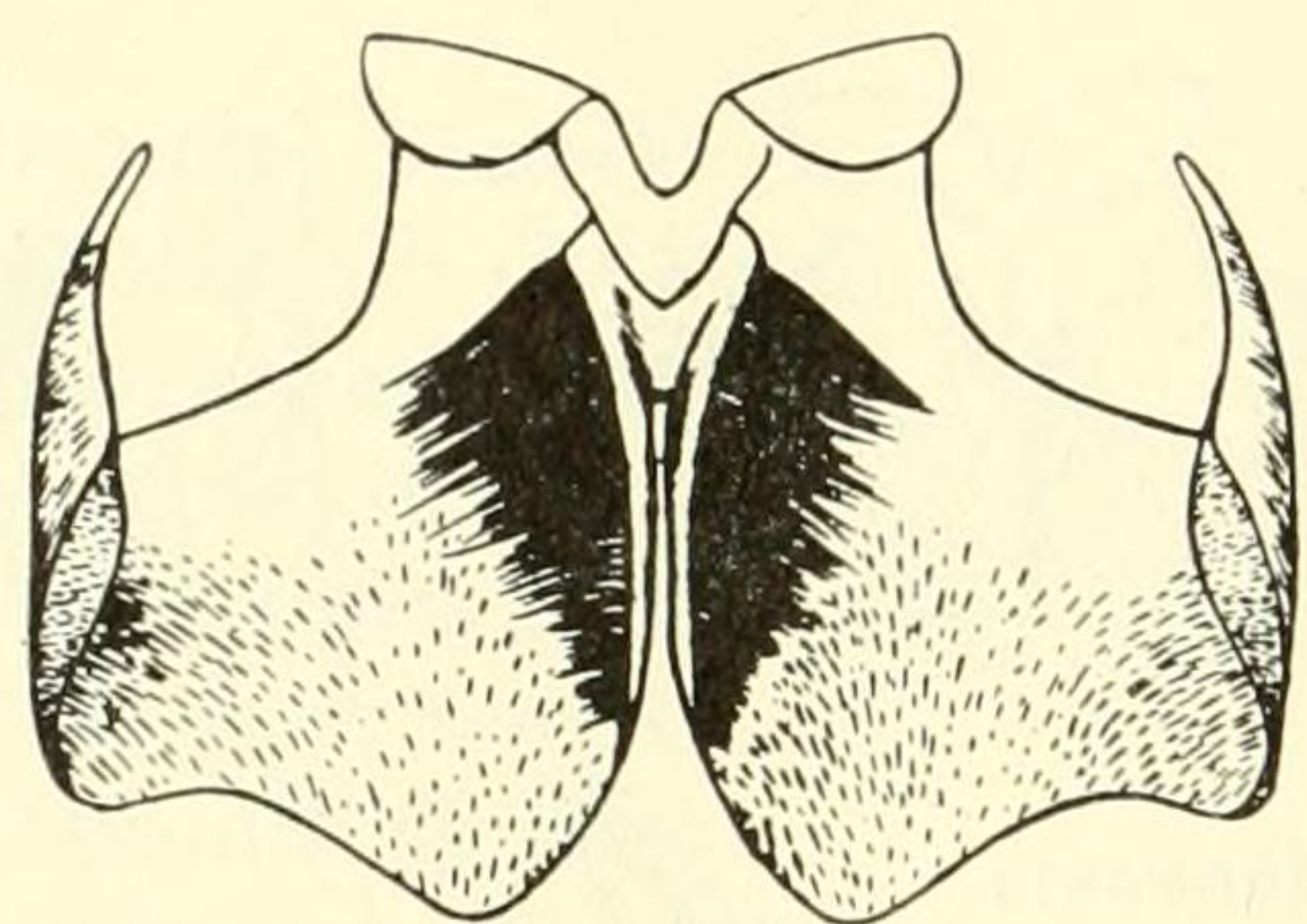
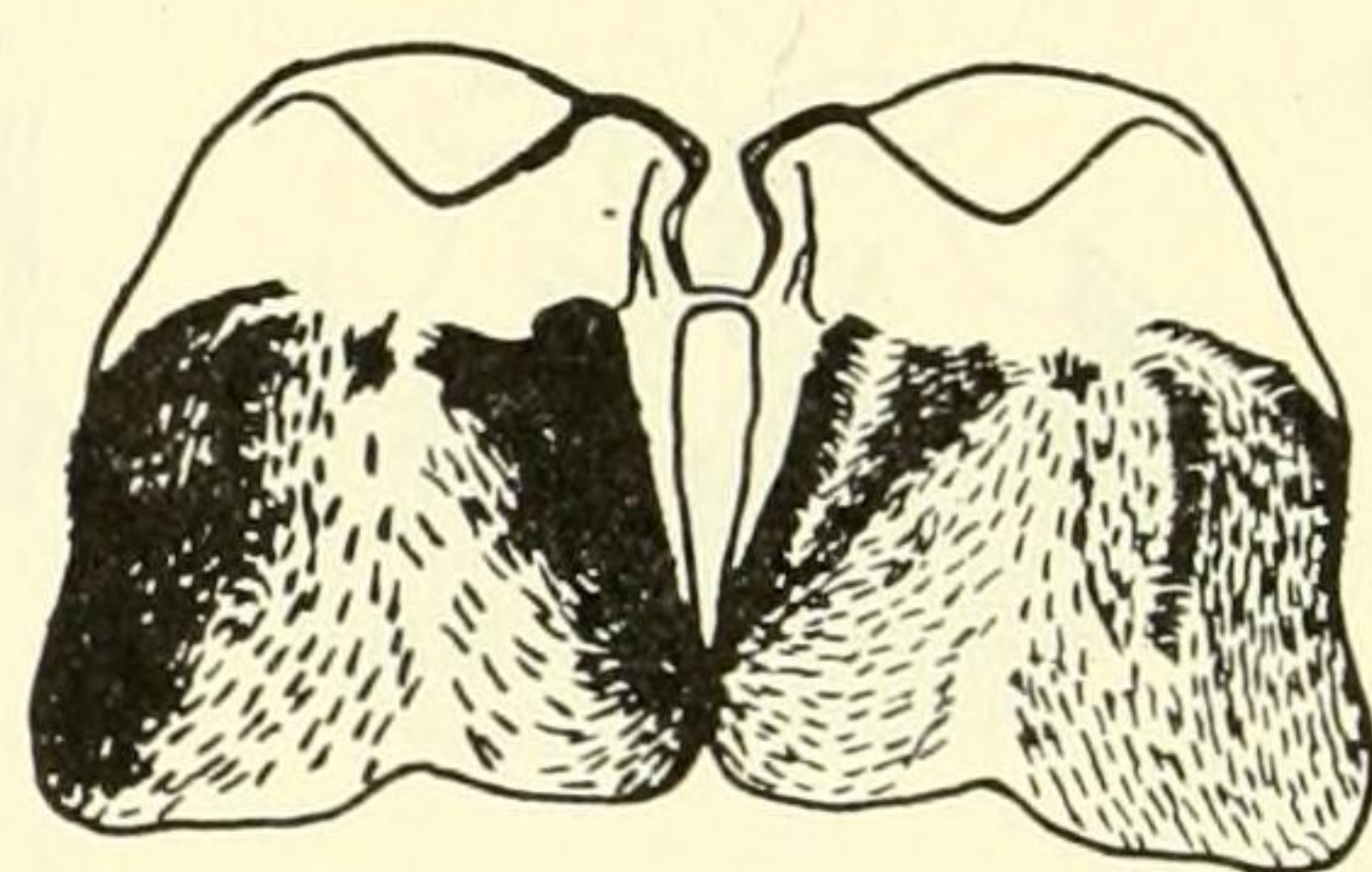
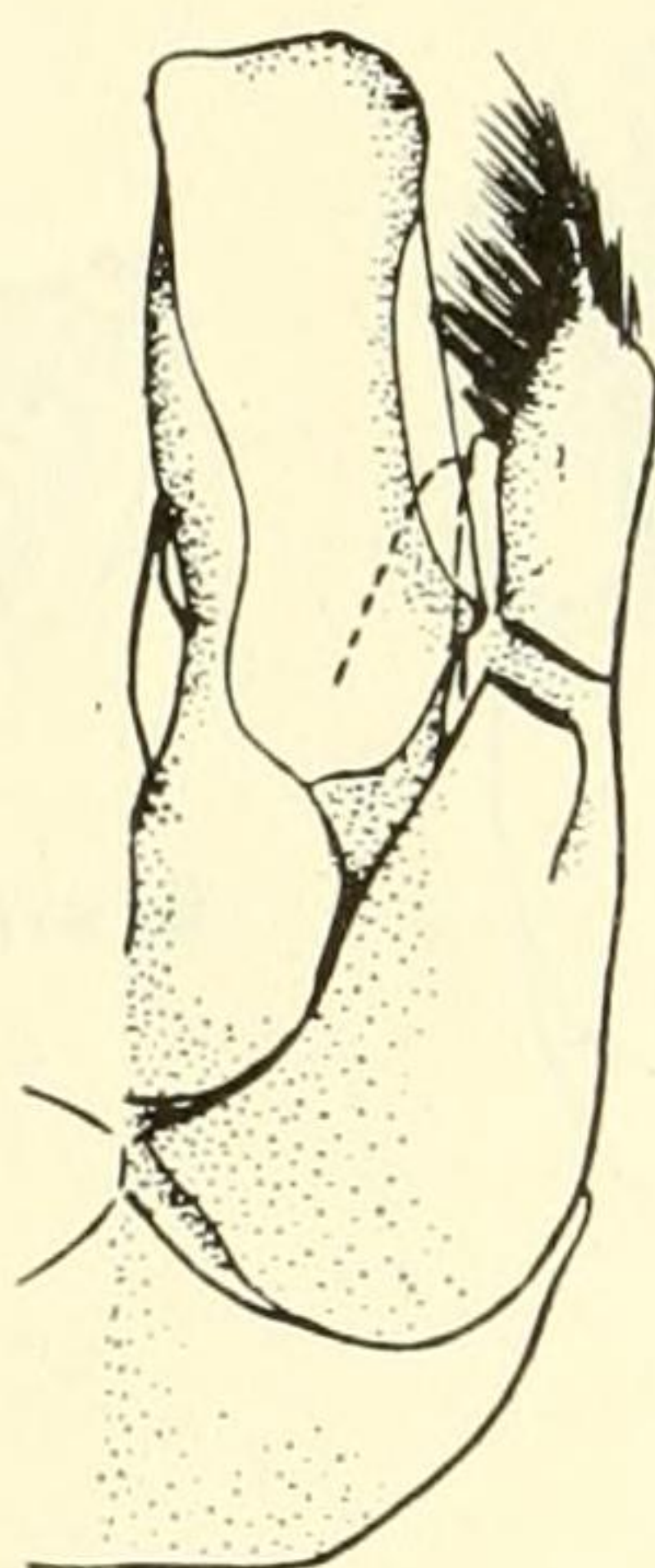
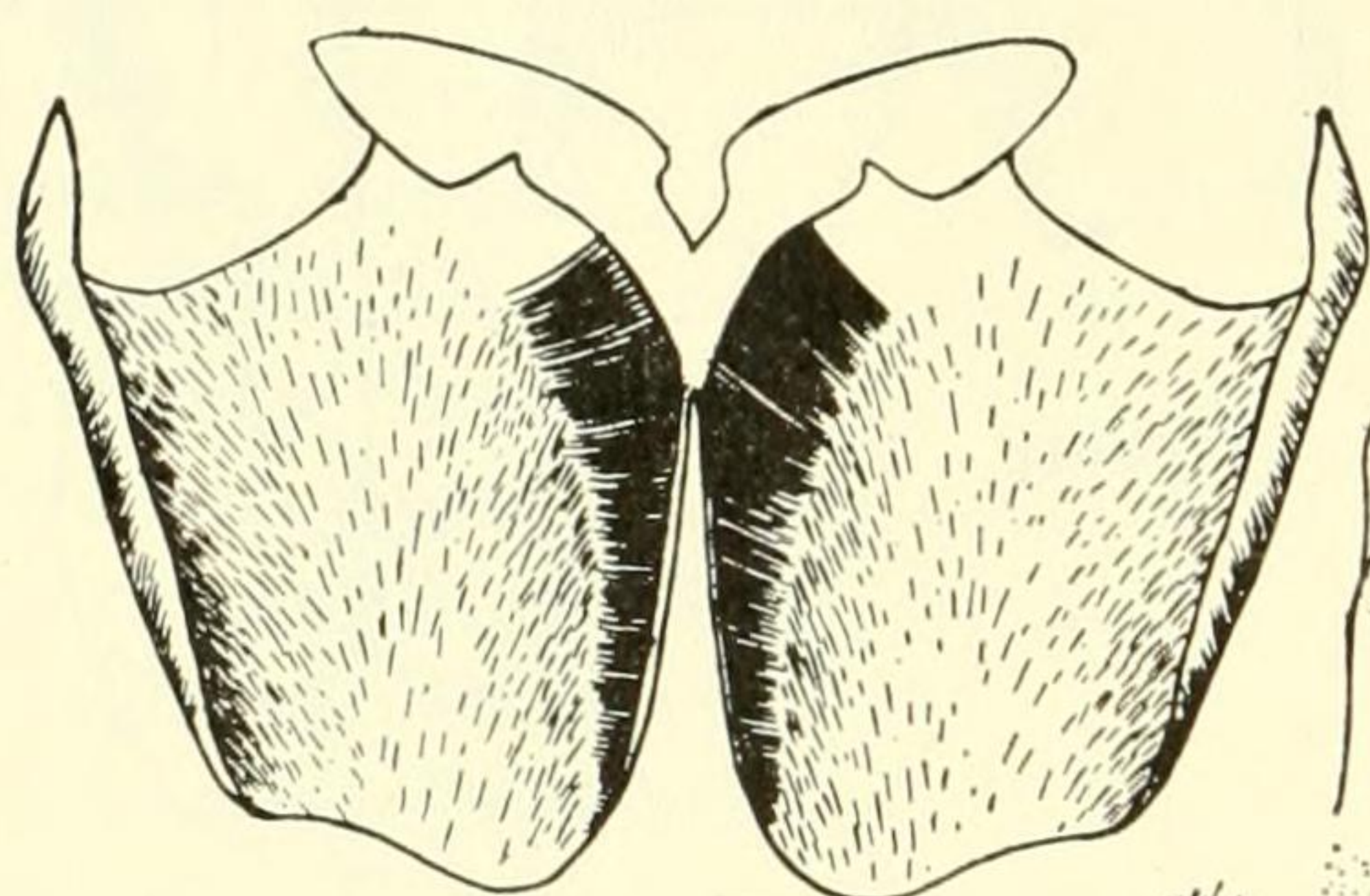
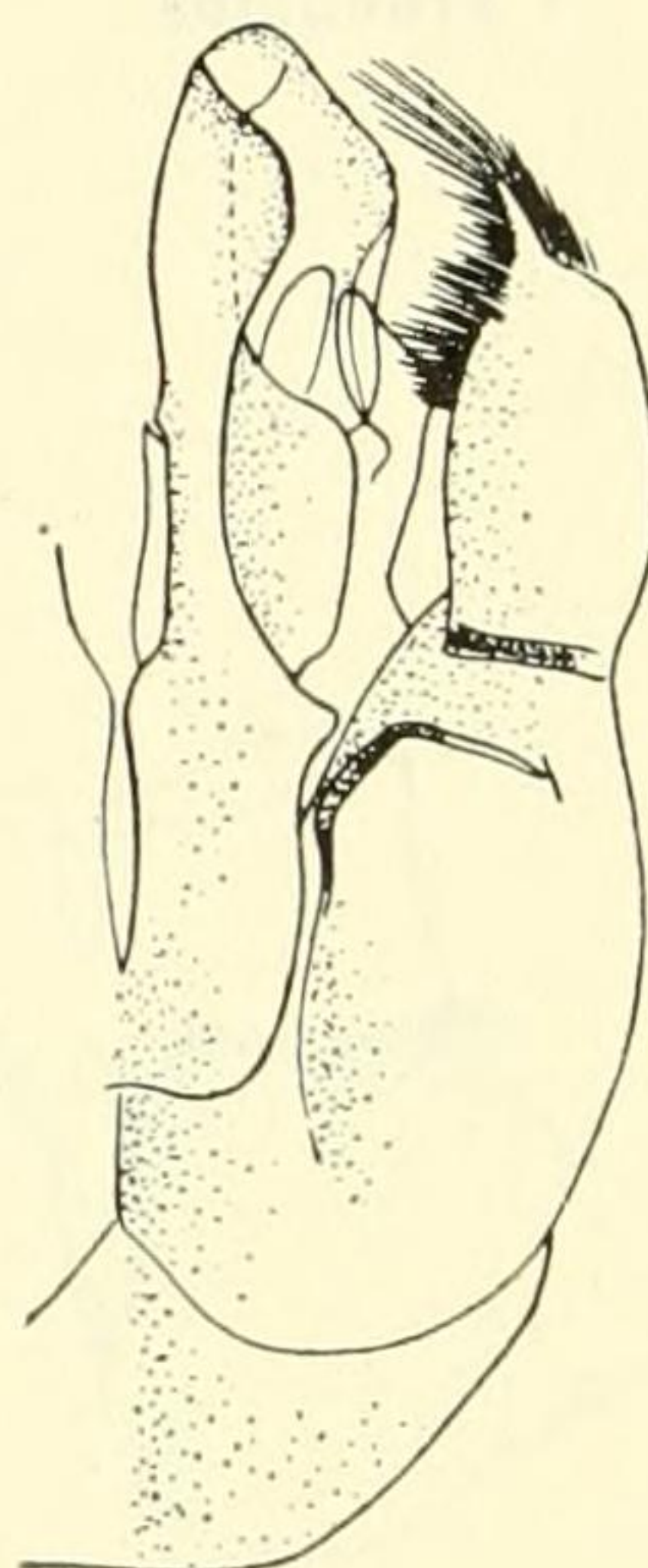
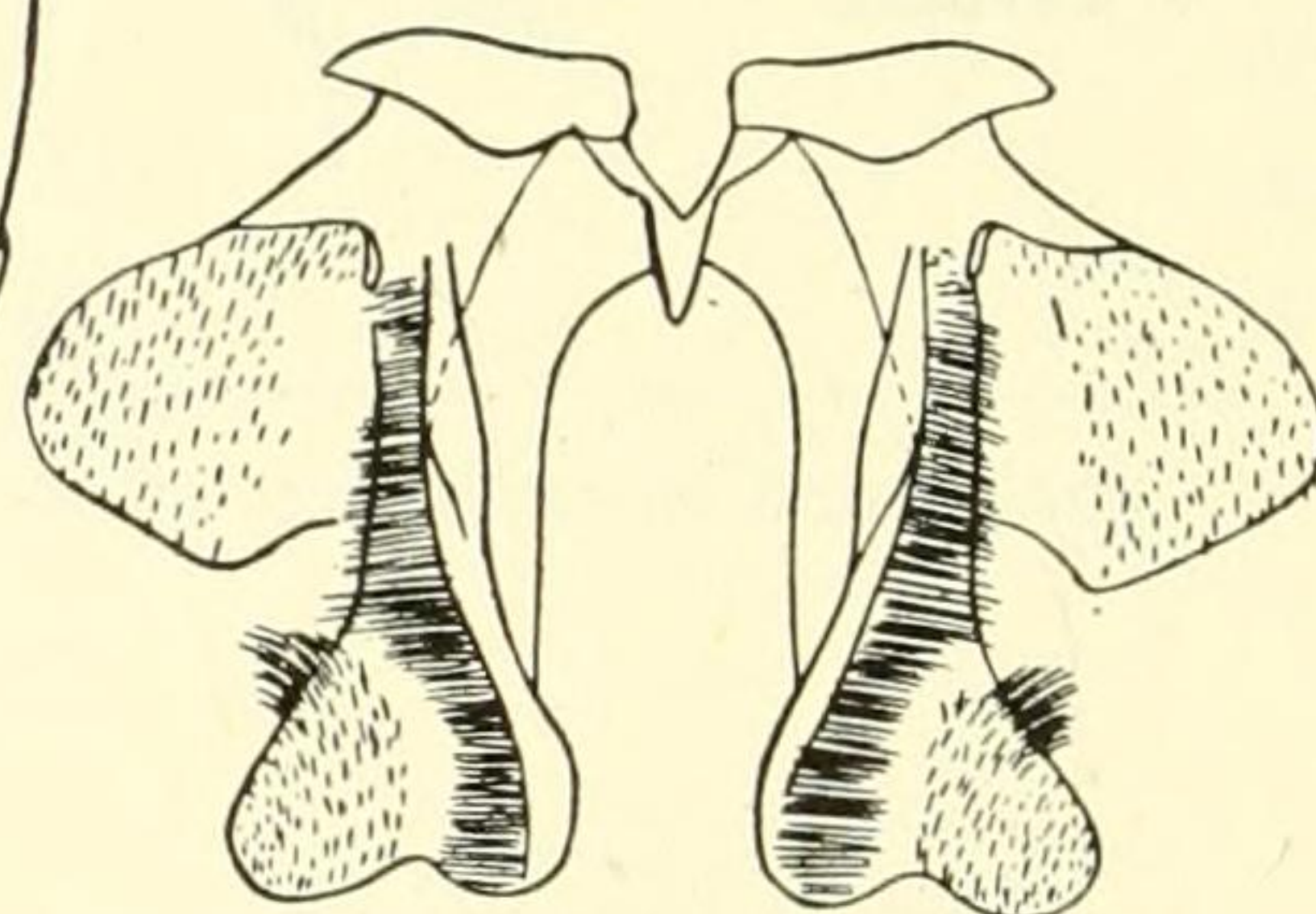
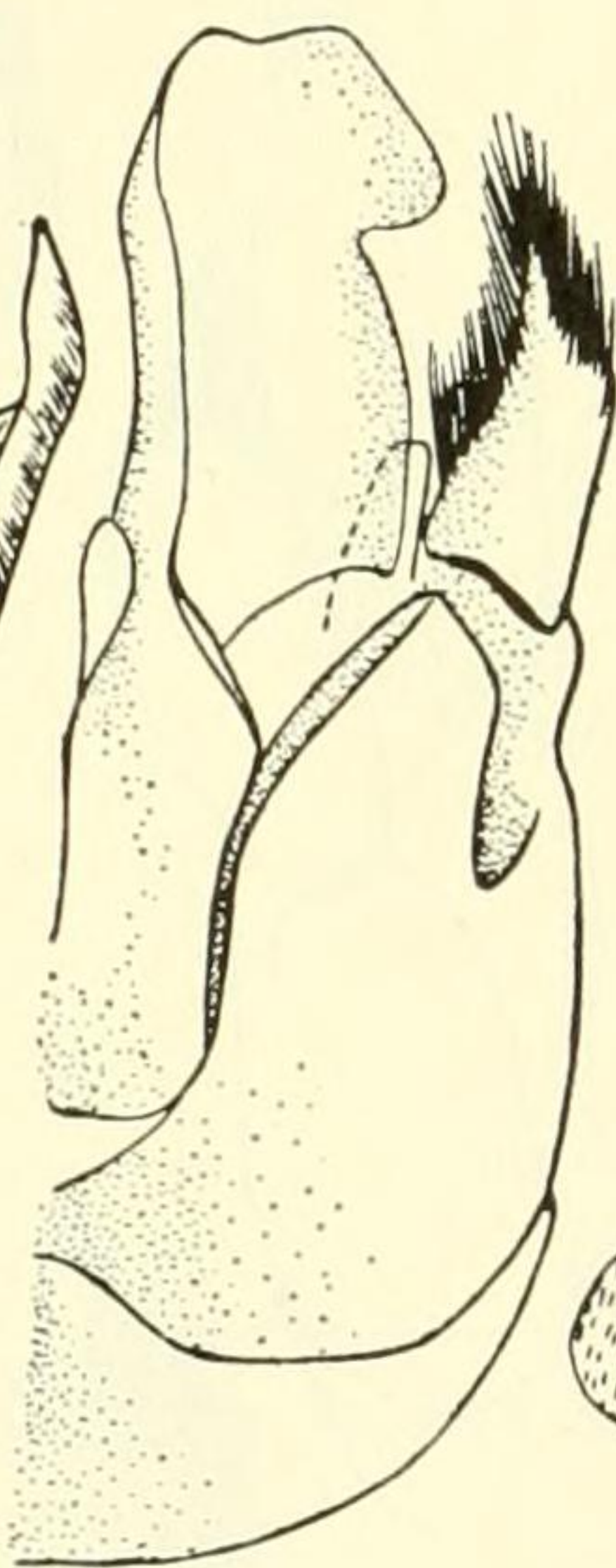
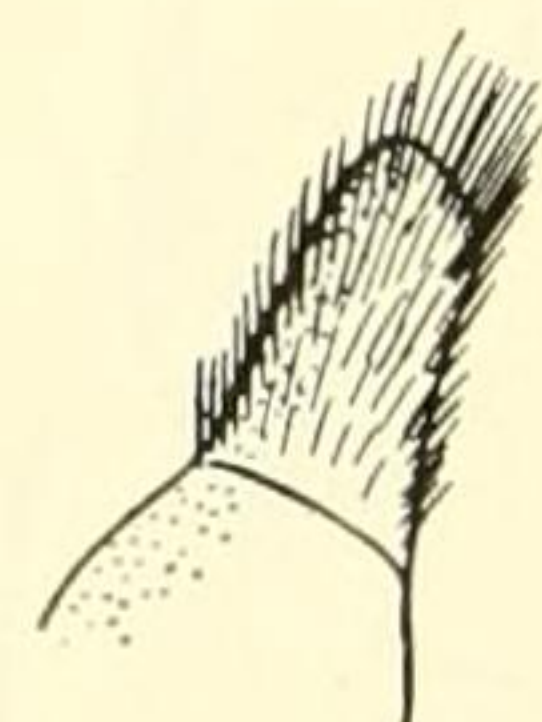
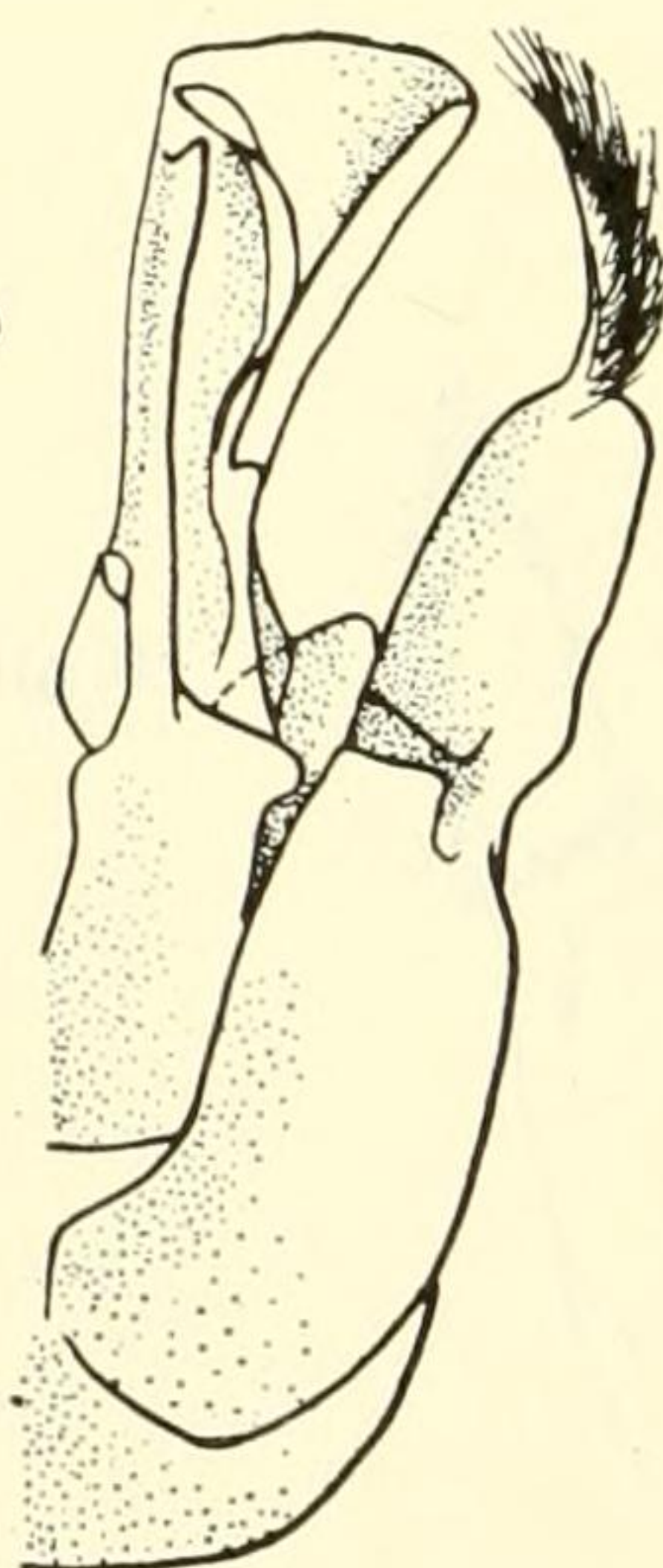
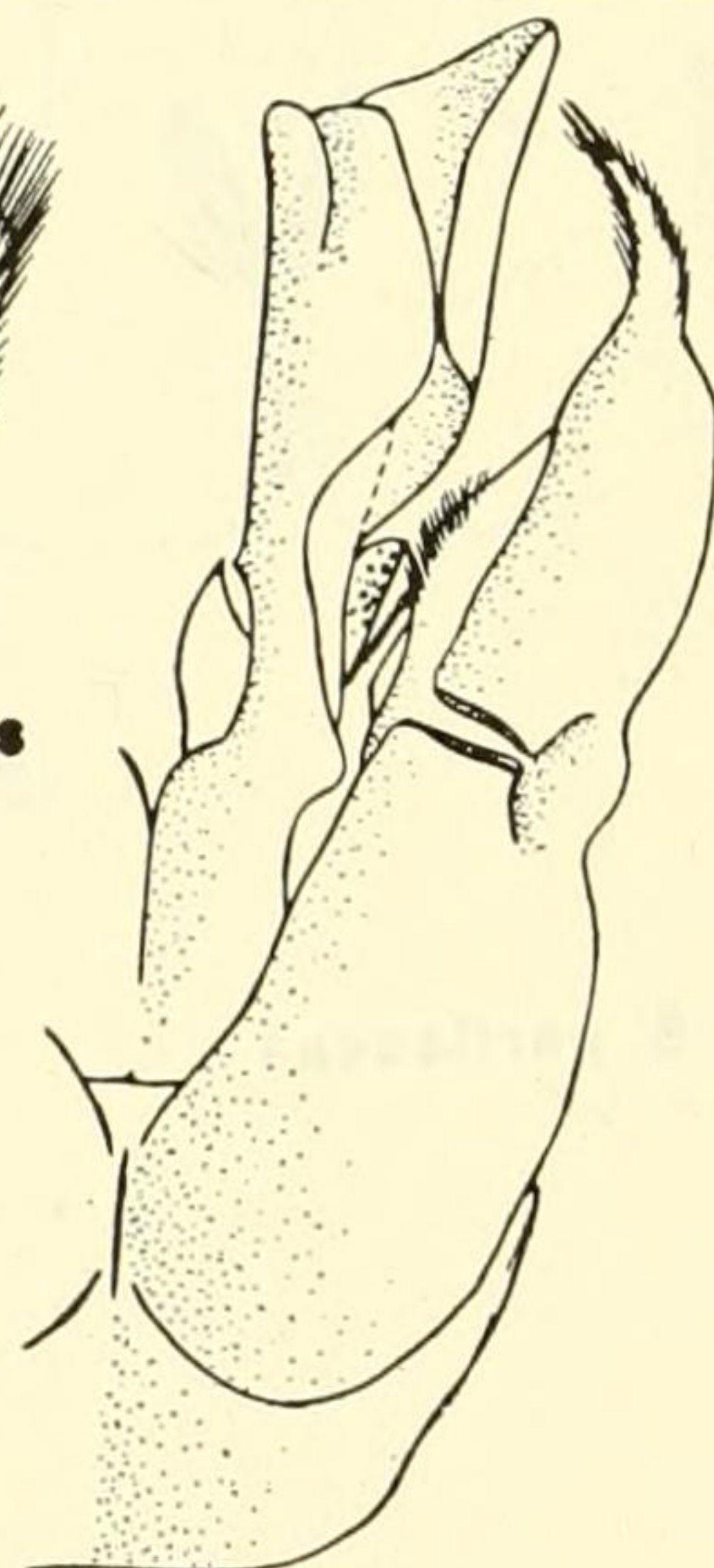
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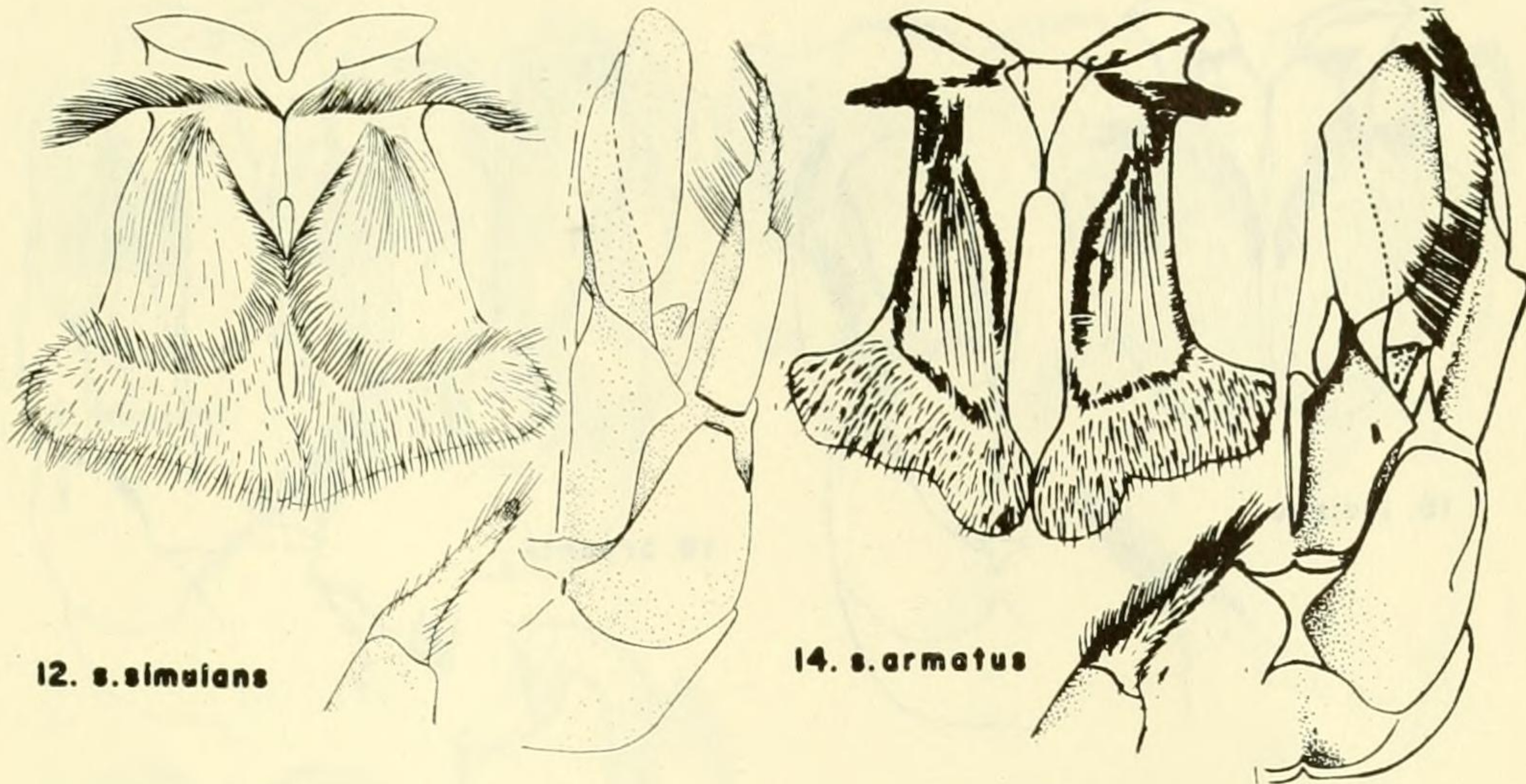
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FIGS. 1-6. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

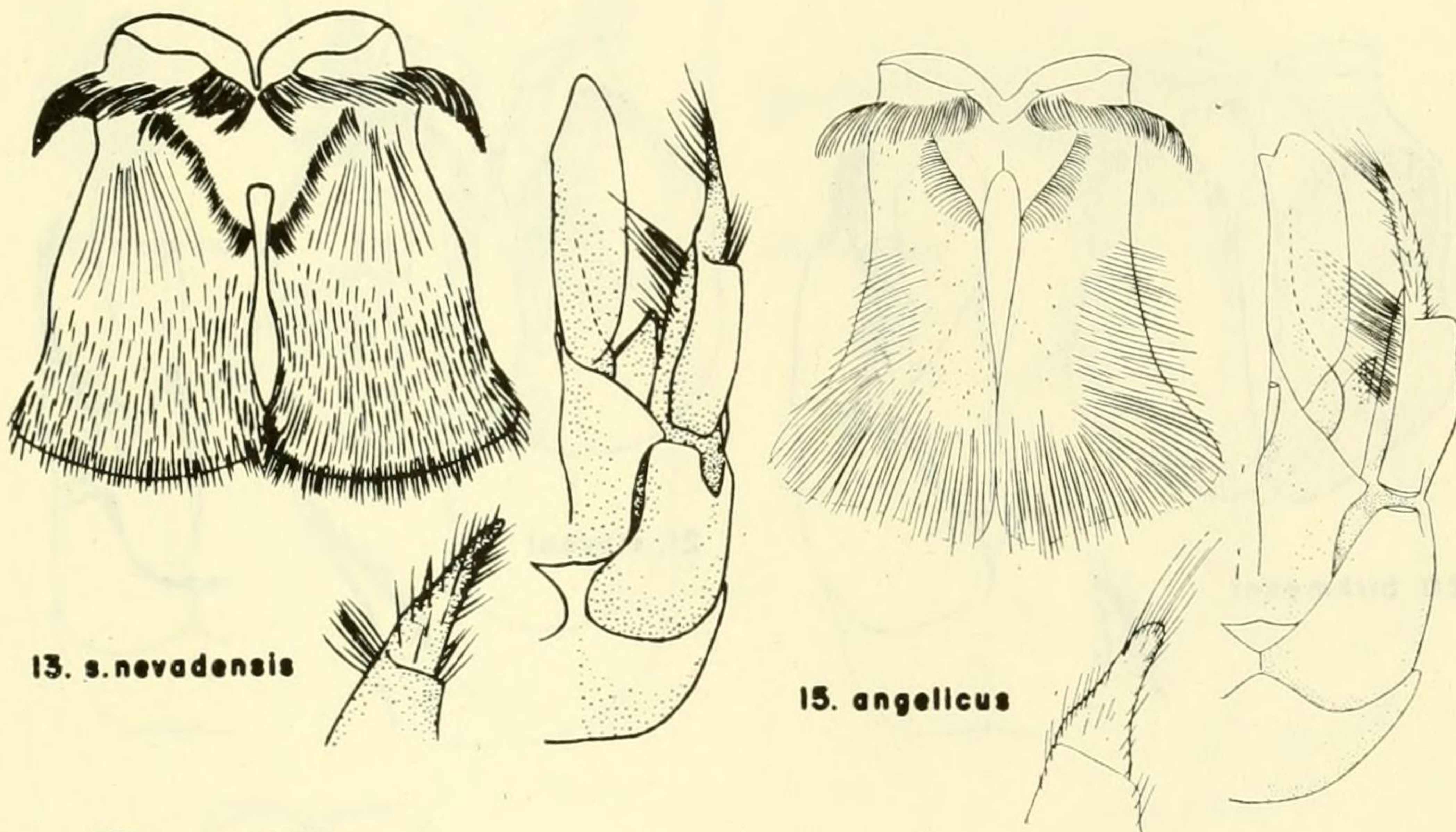
7. *skinneri*9. *compactus*8. *vandykei*10. *latitarsis*11. *p. maurus*

FIGS. 7-11. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.



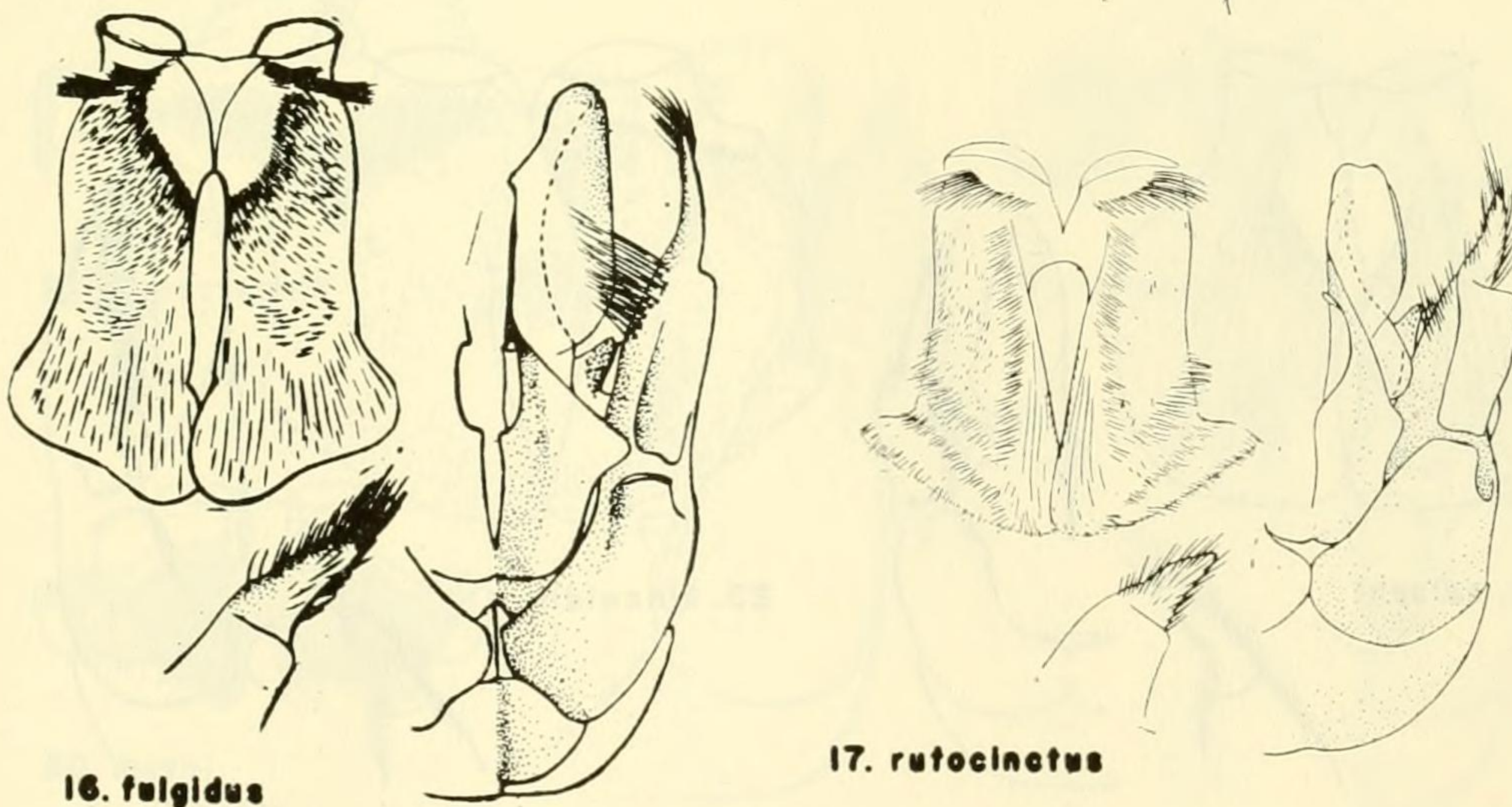
12. *s. simuans*

14. *s. armatus*



13. *s. nevadensis*

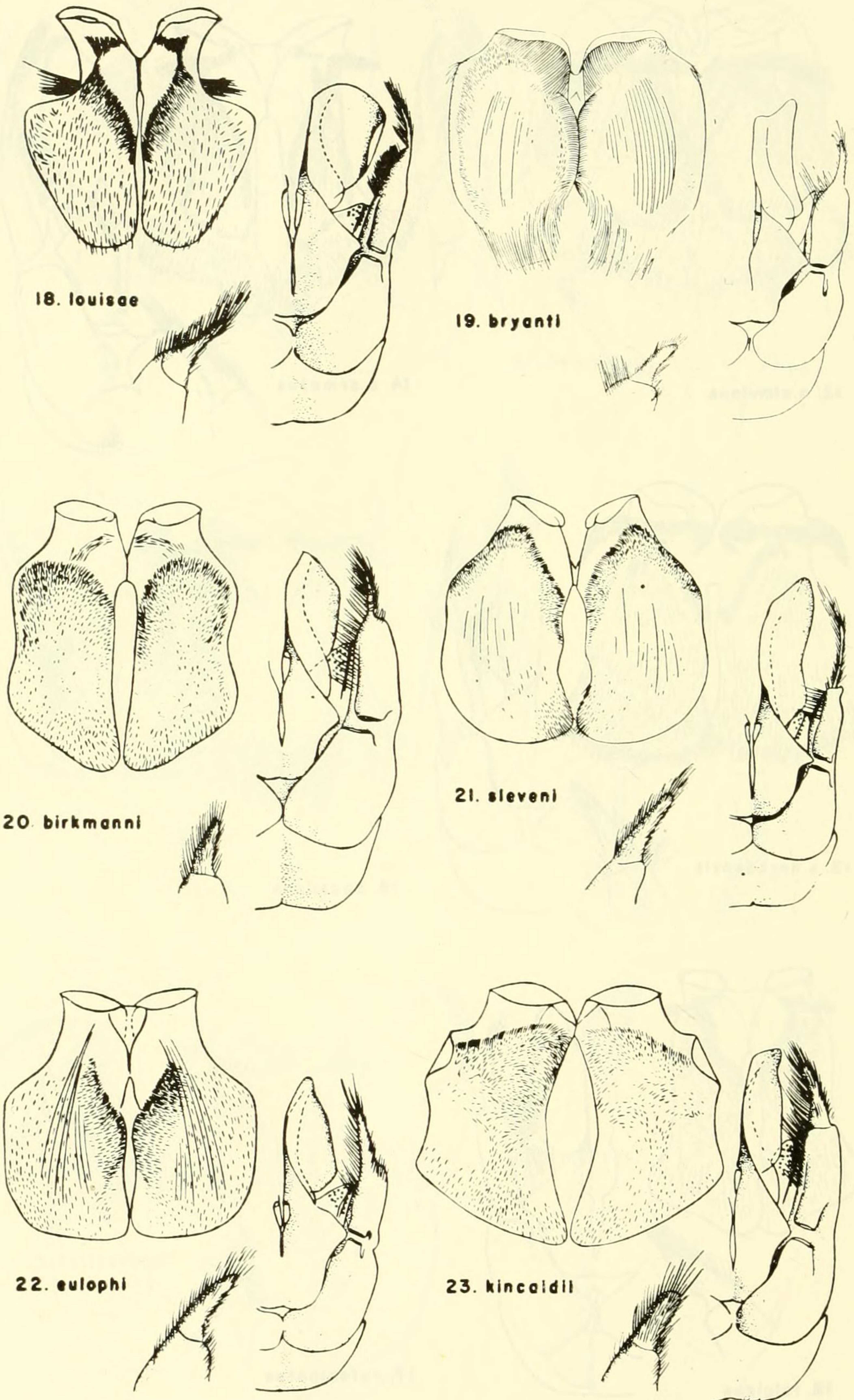
15. *angellcus*



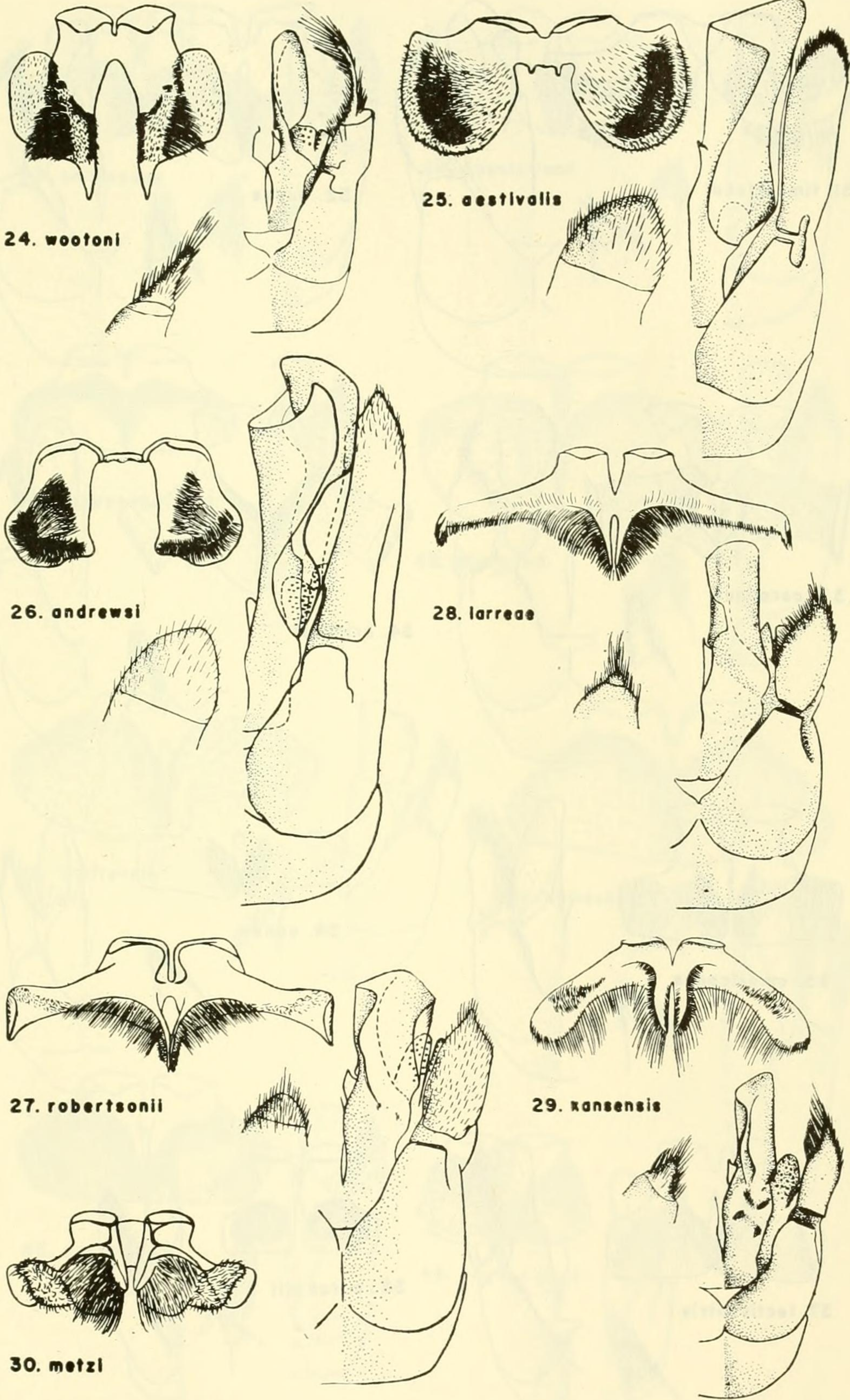
16. *fulgidus*

17. *rufocinctus*

FIGS. 12-17. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

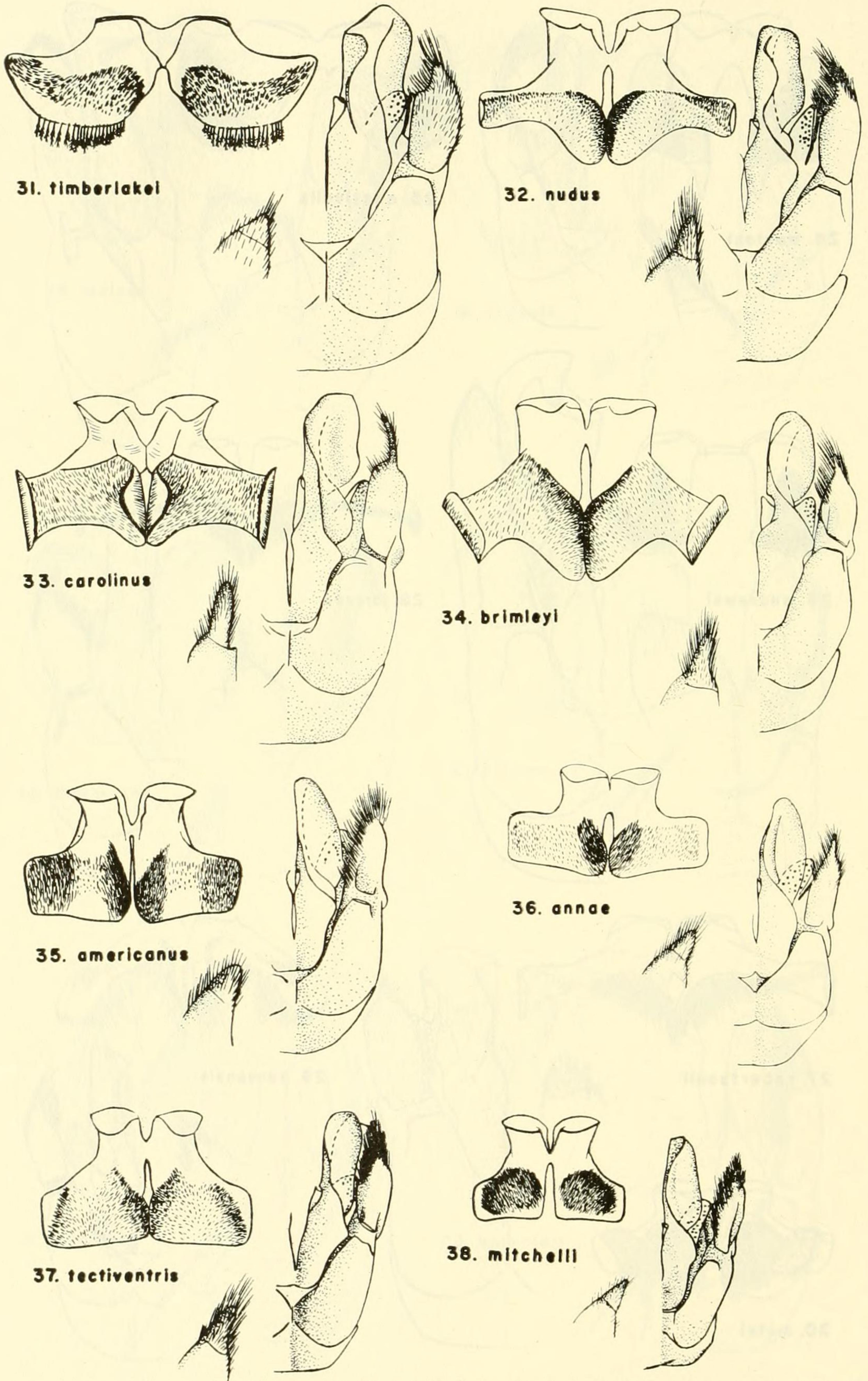


FIGS. 18-23. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

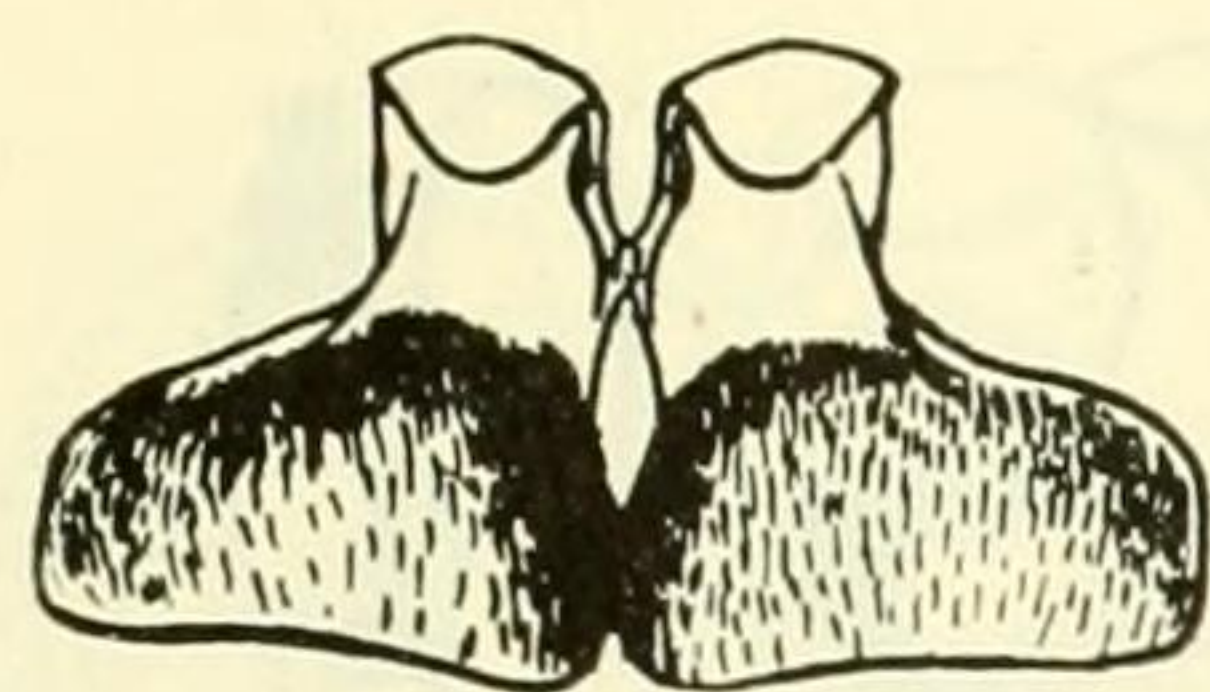


FIGS. 24-30. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

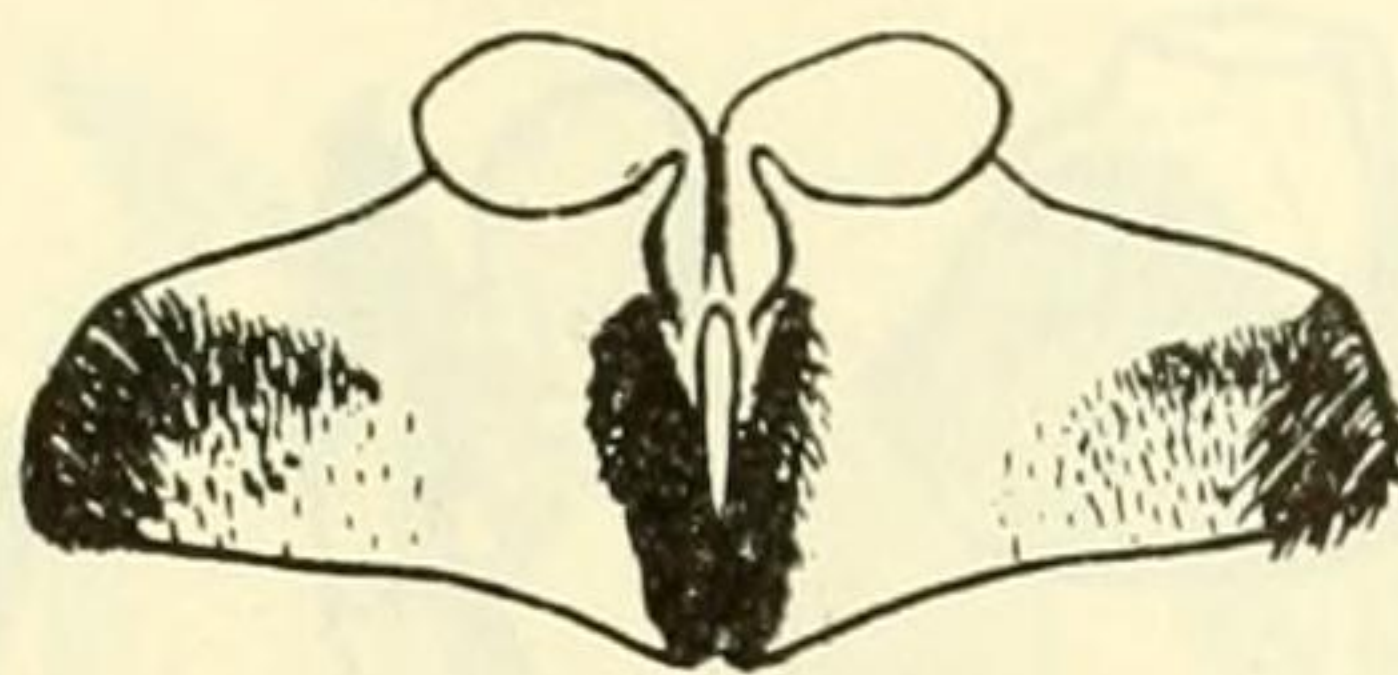
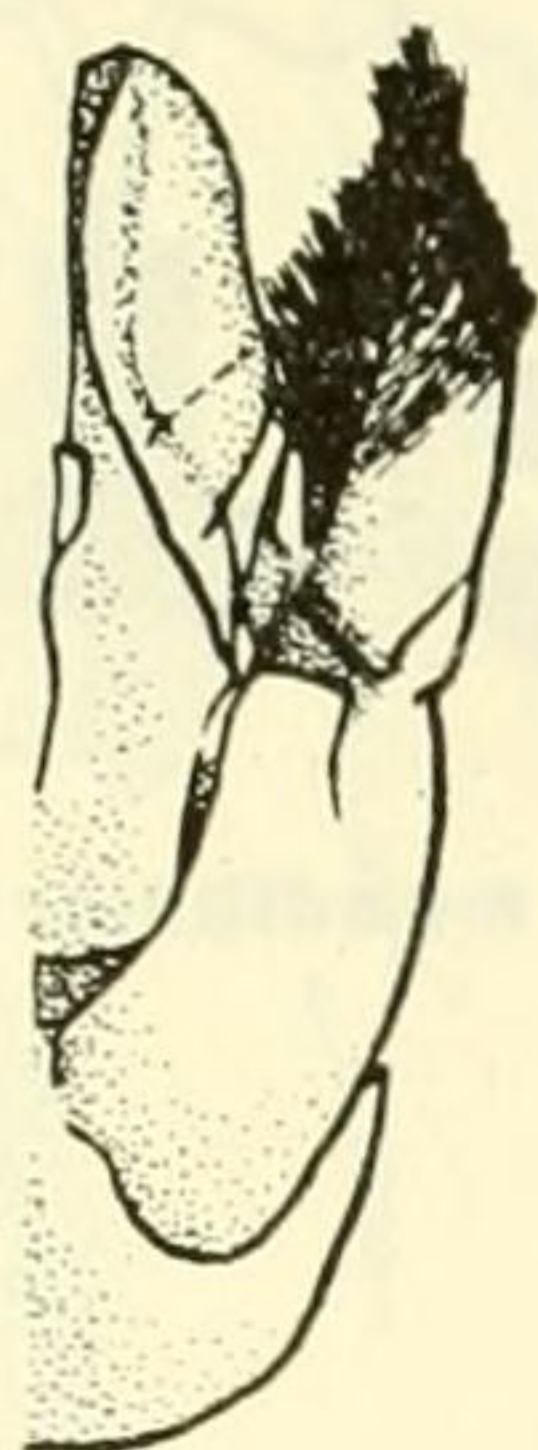




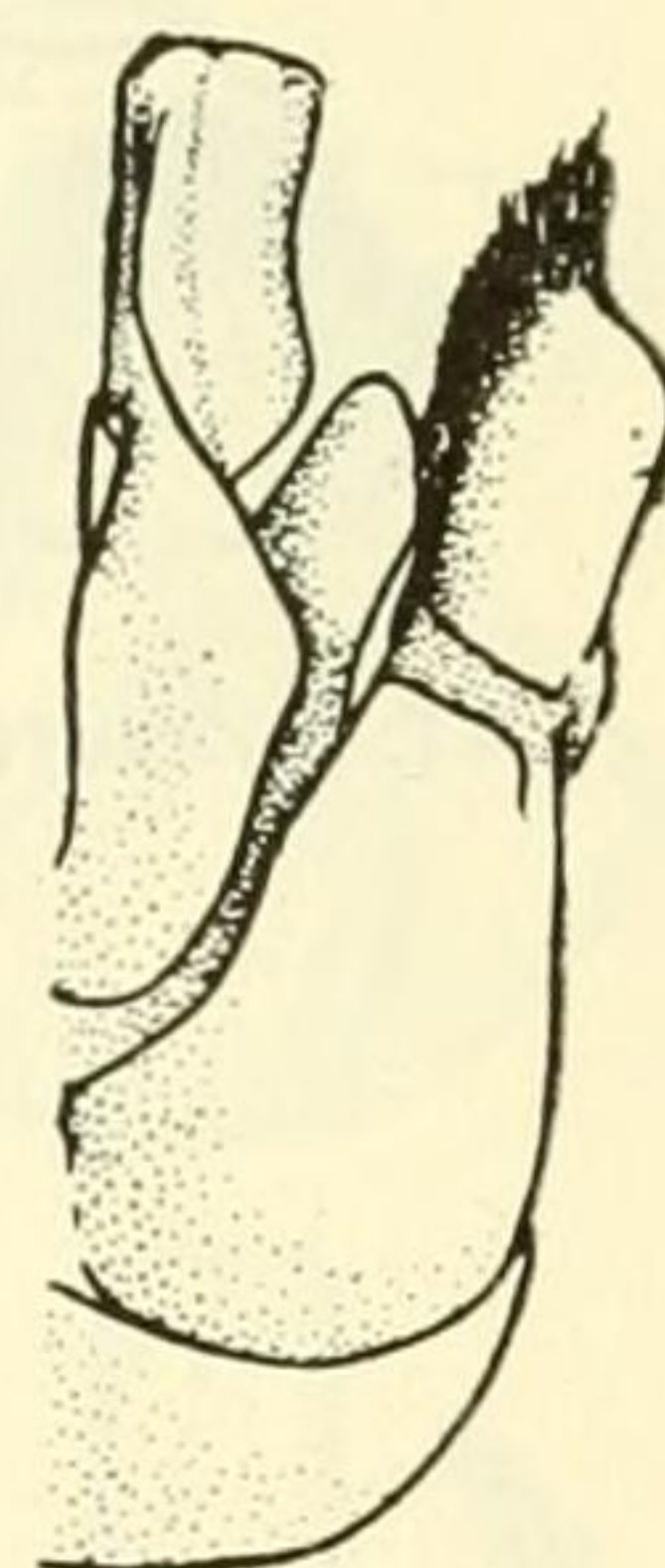
FIGS. 31-38. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.



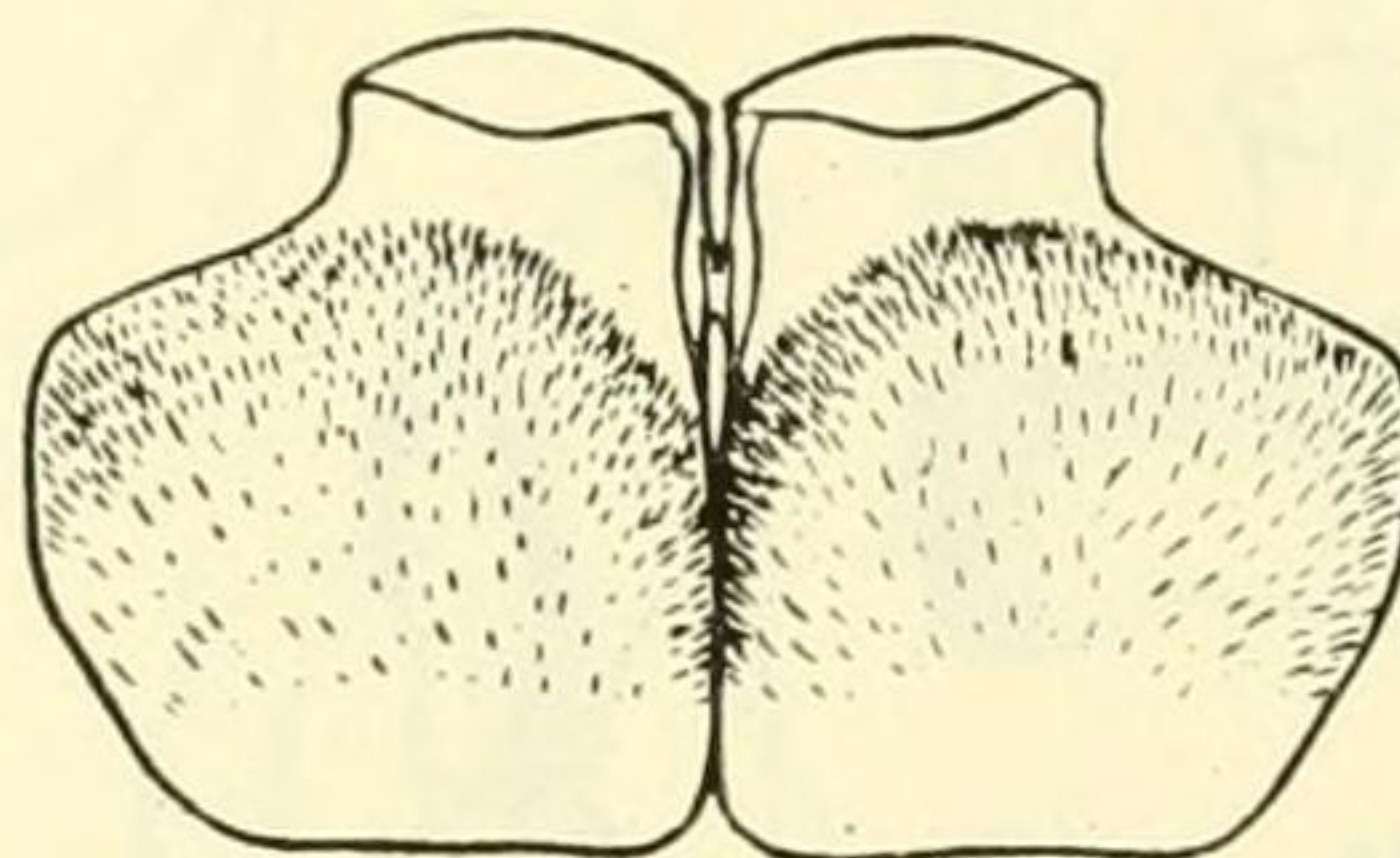
39. *ochraceus*



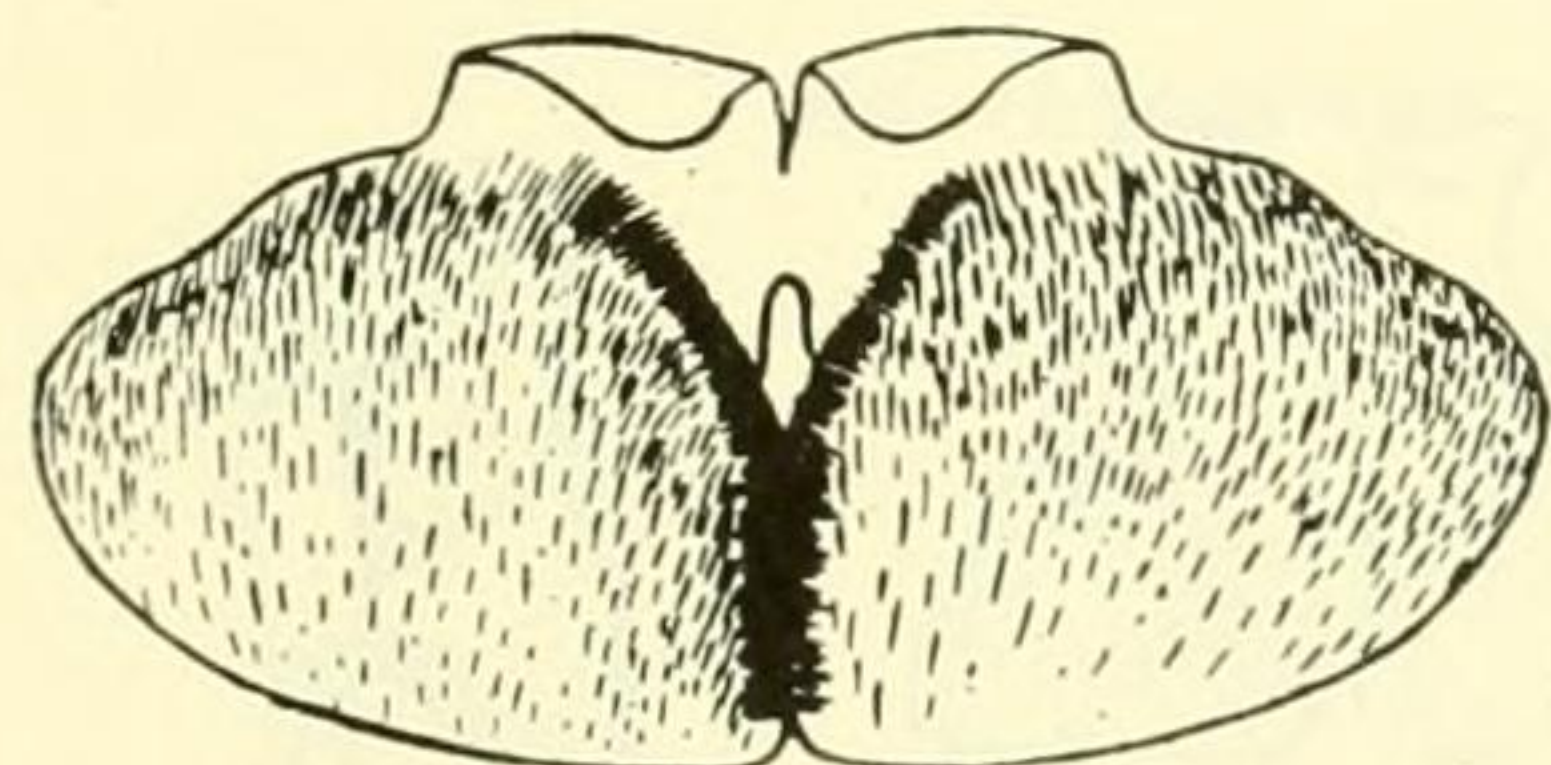
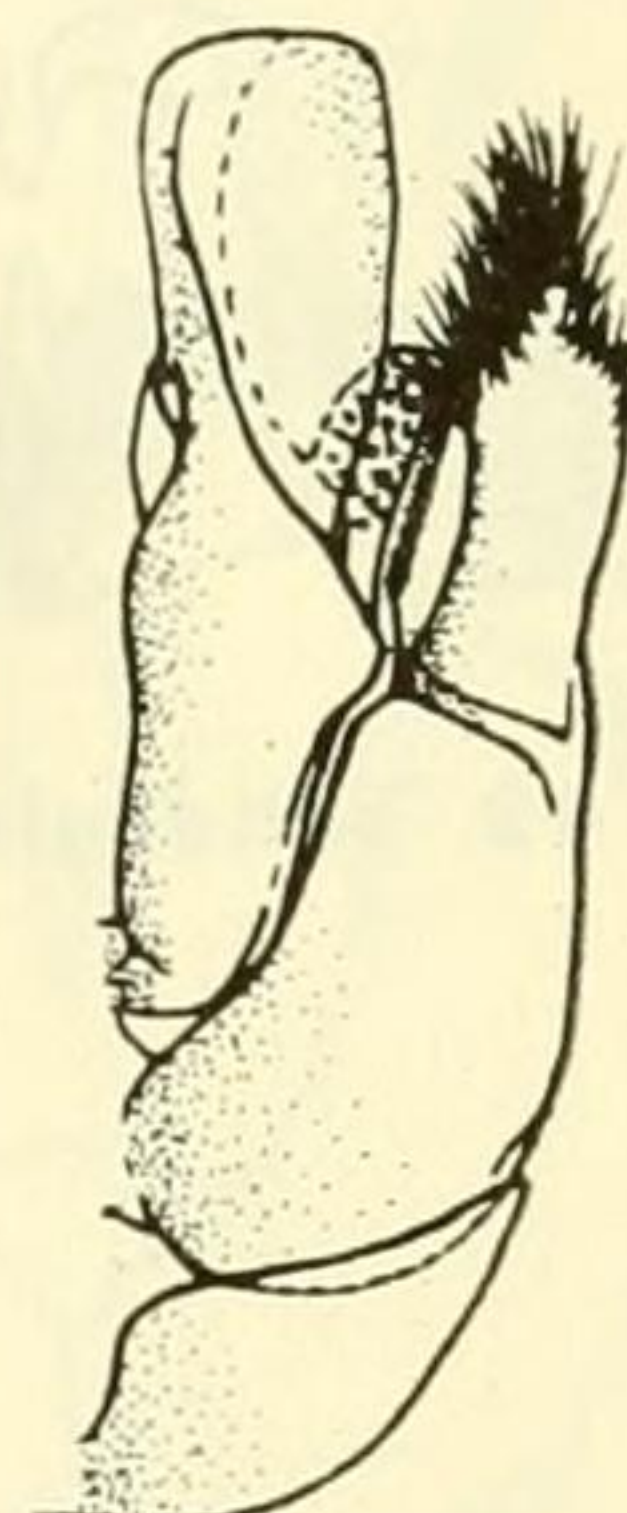
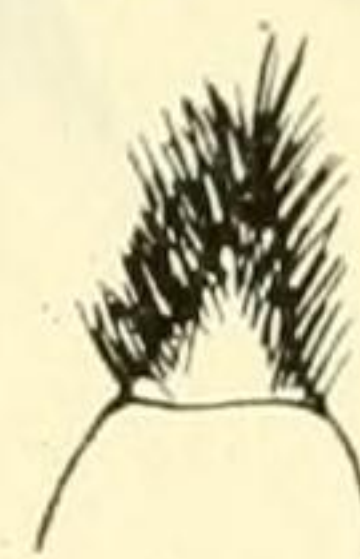
40. *gypsicolens*



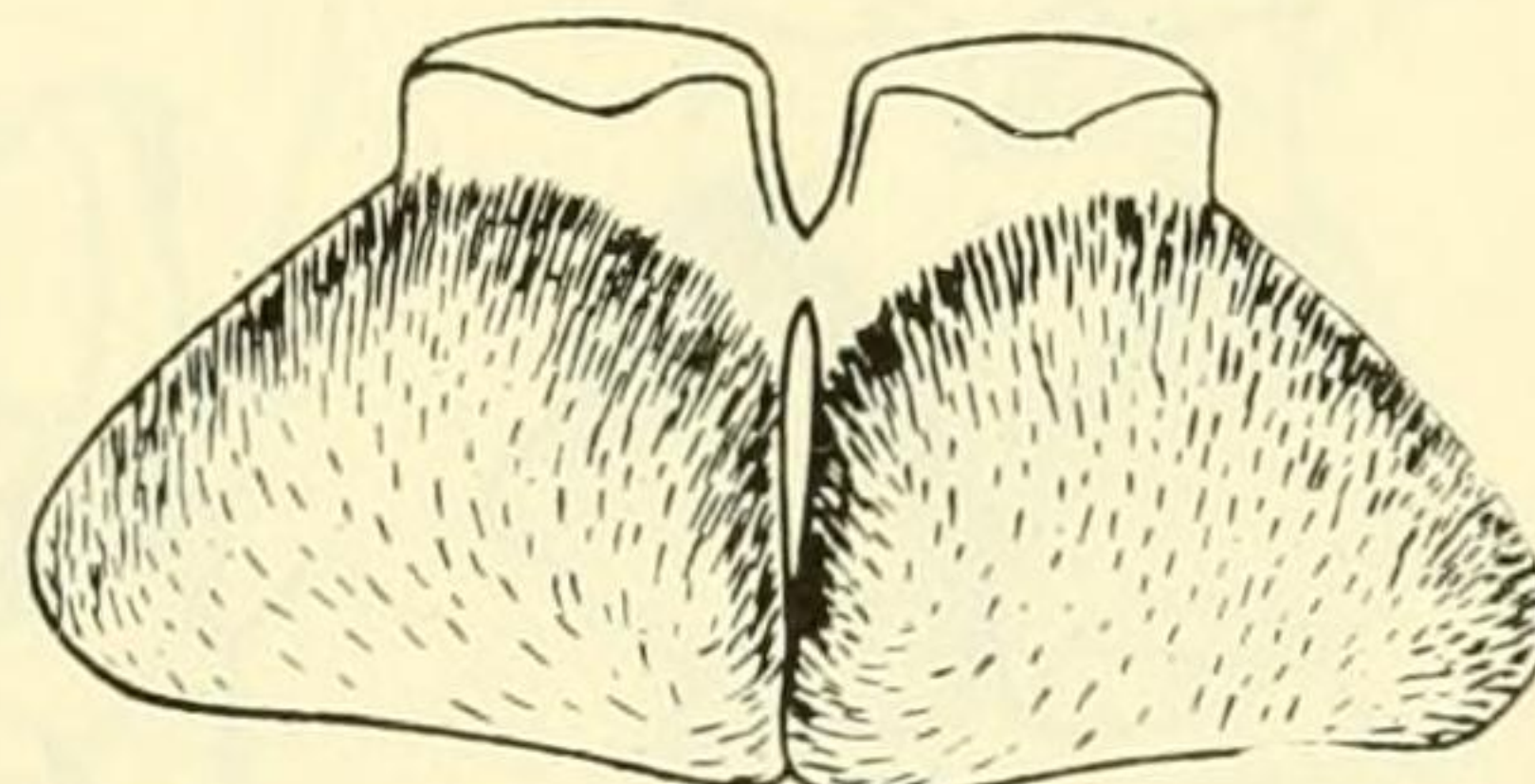
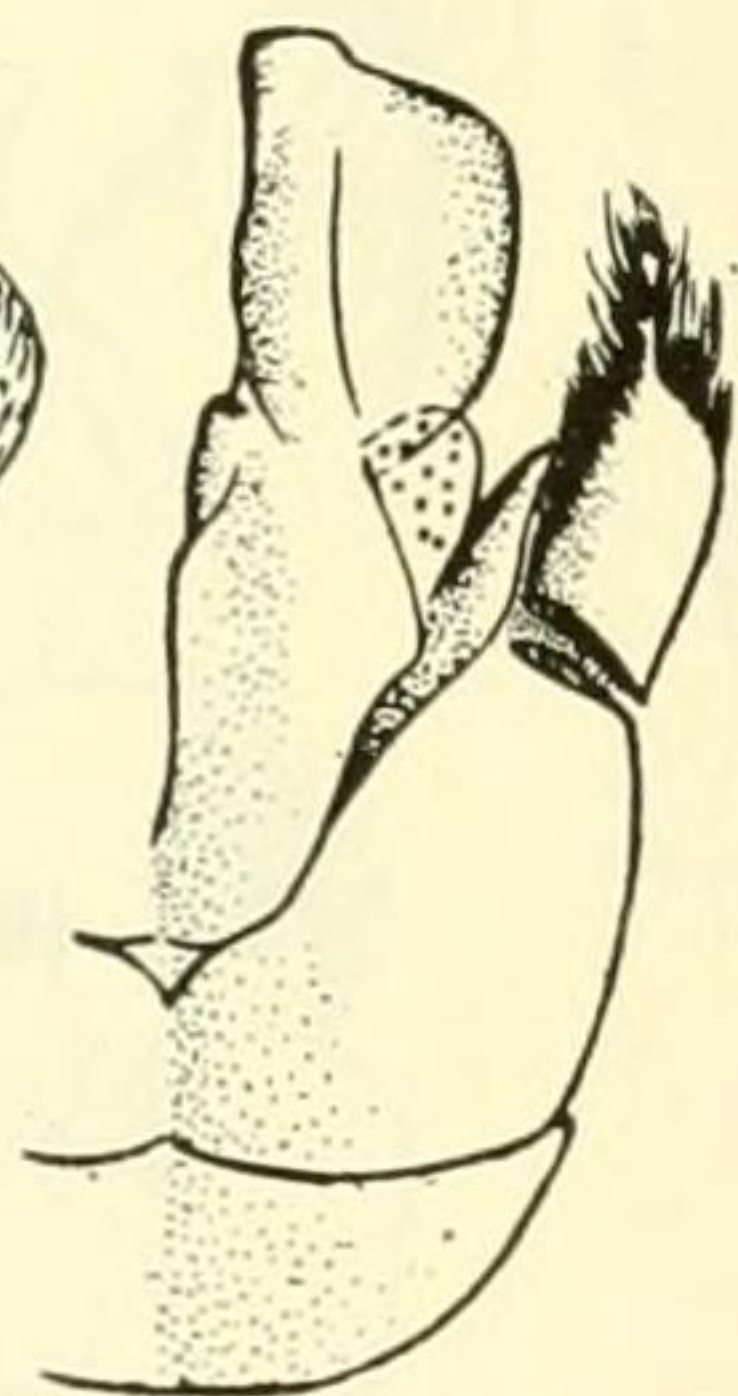
41. *albescens*



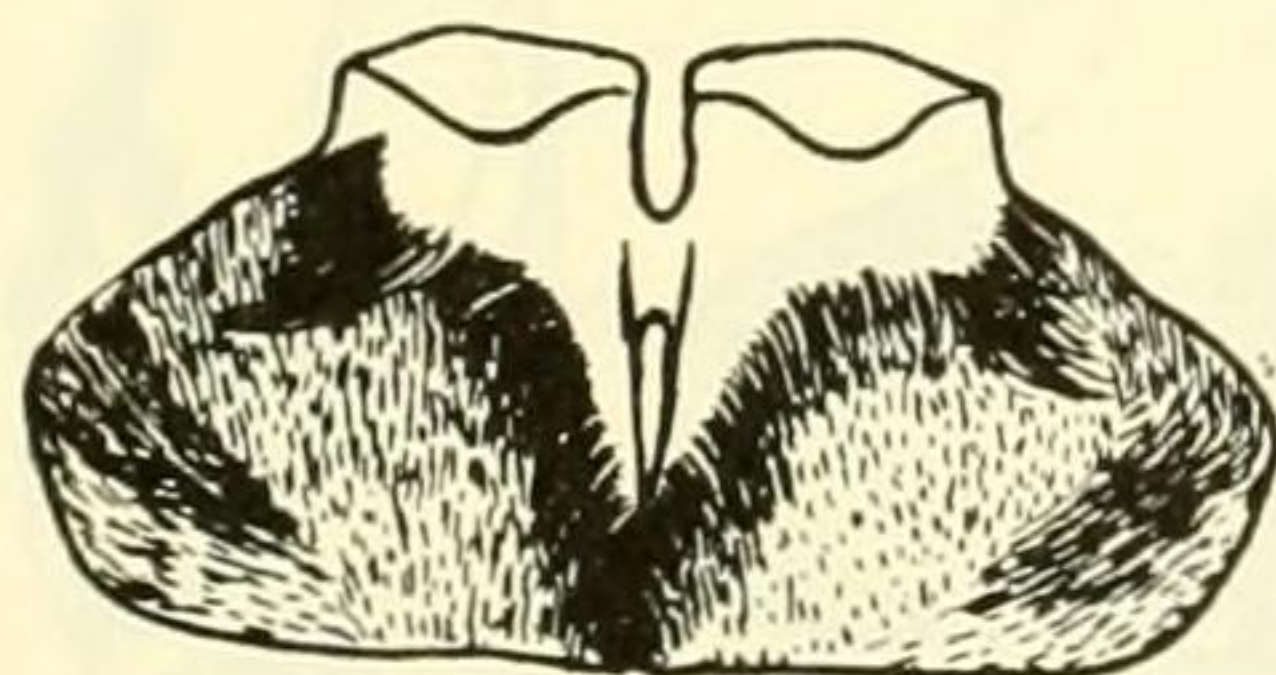
42. *aberrans*



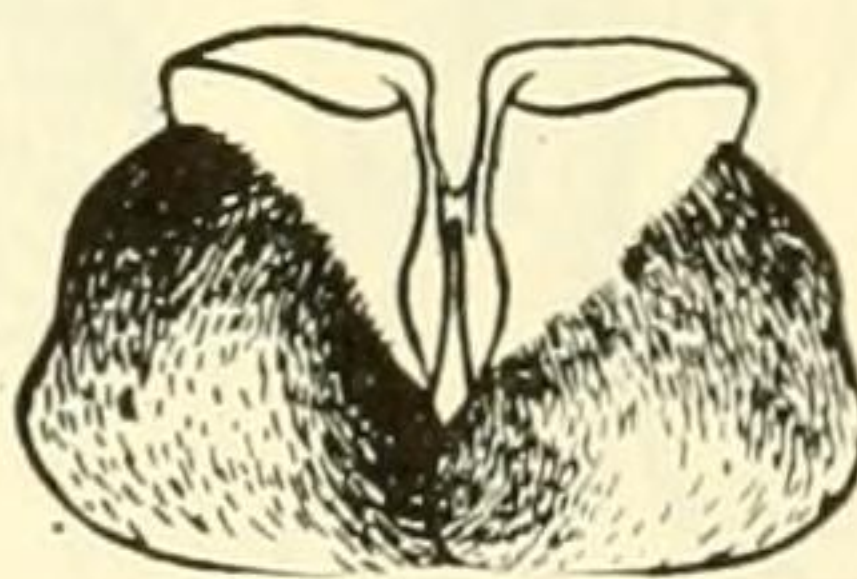
43. *saritensis*



44. *howardi*



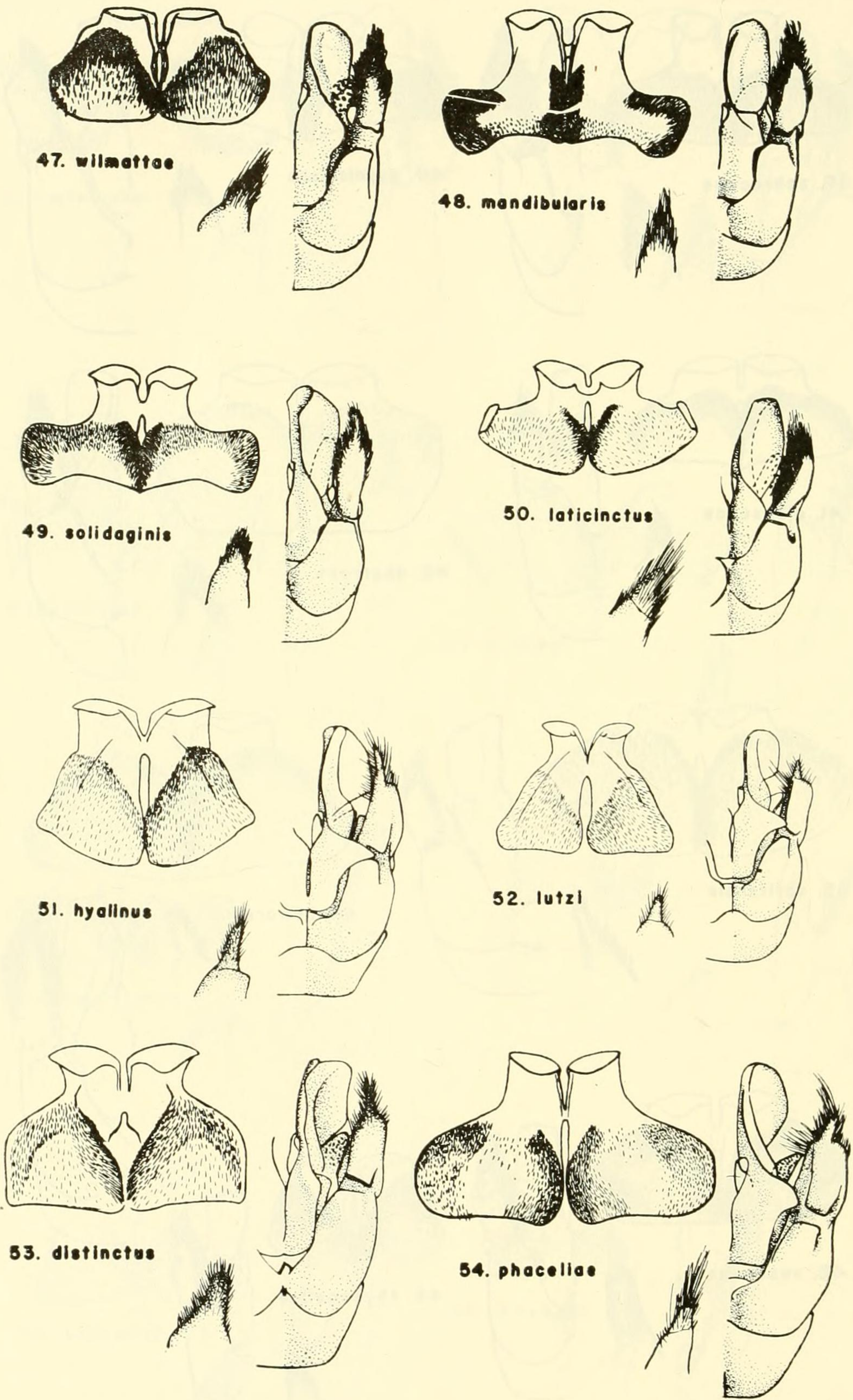
45. *susannae*



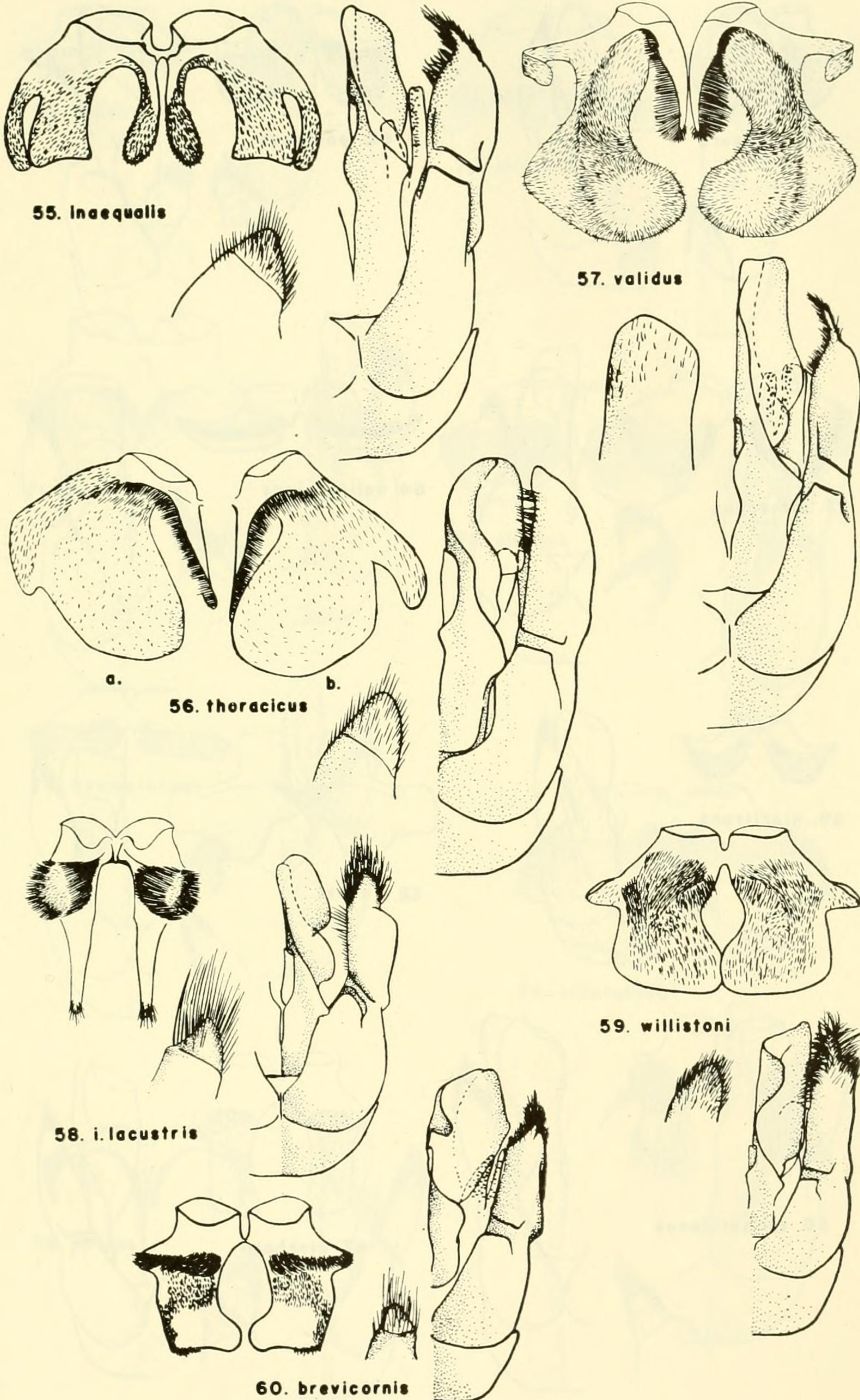
46. *thysanellae*



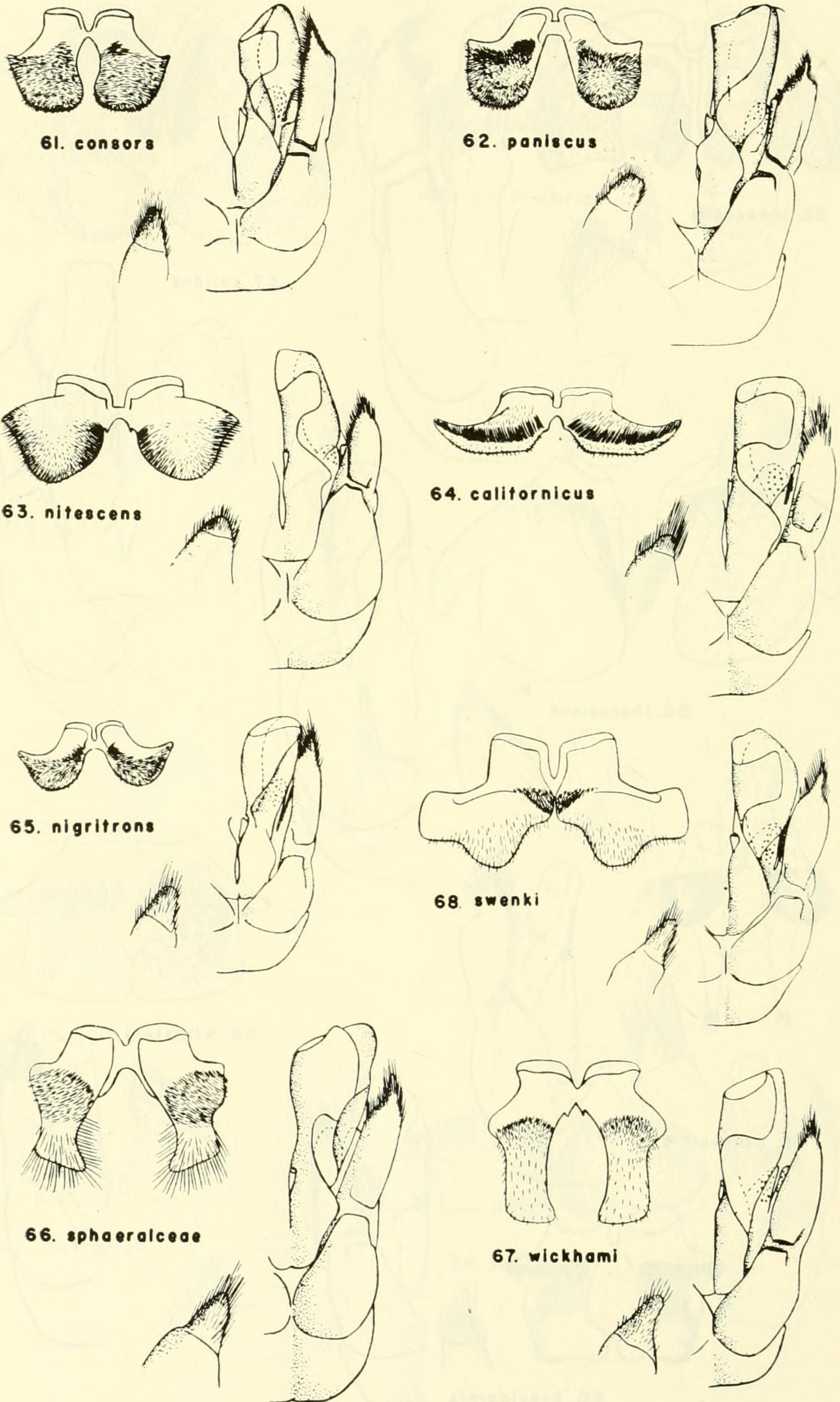
FIGS. 39-46. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.



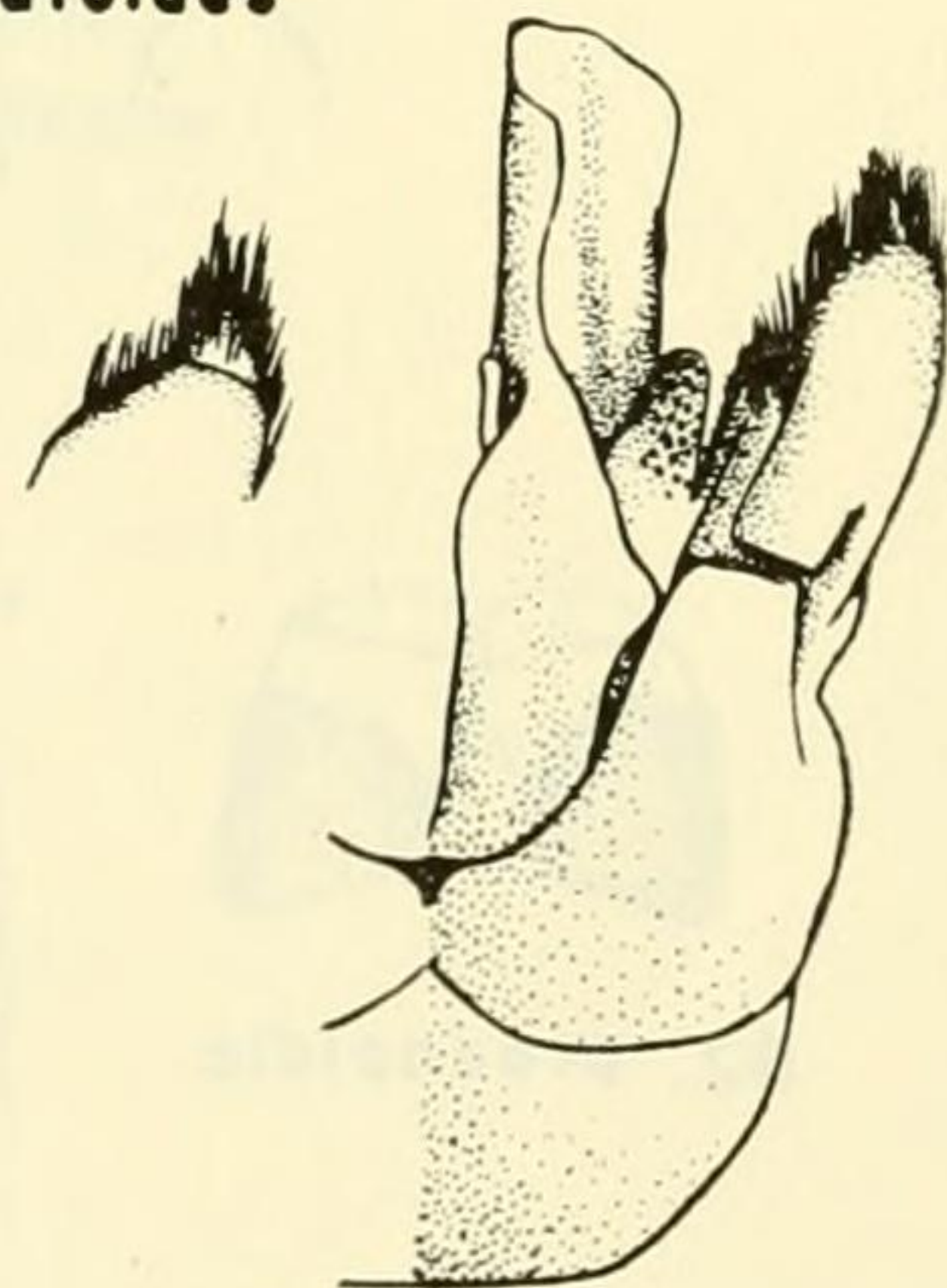
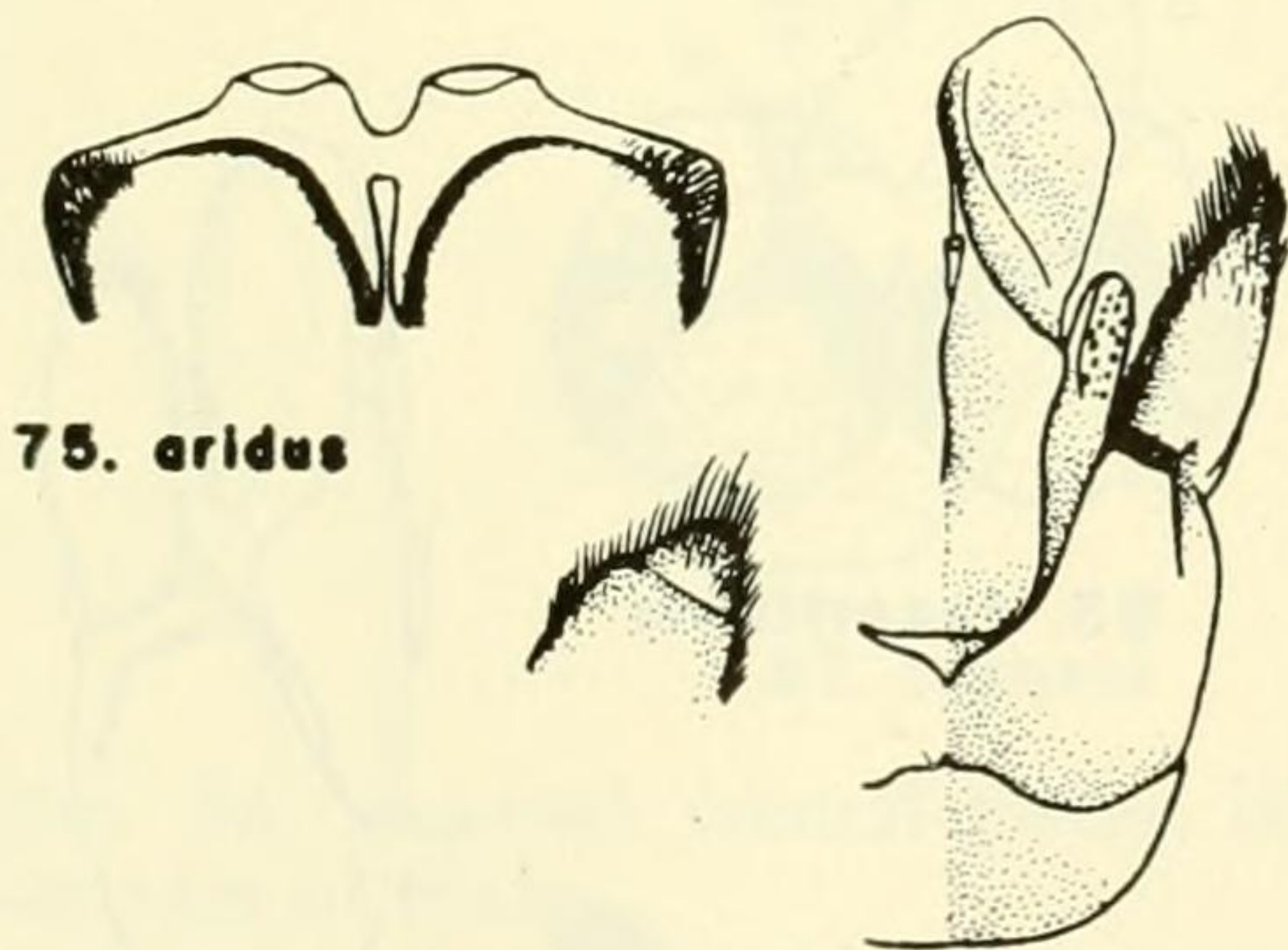
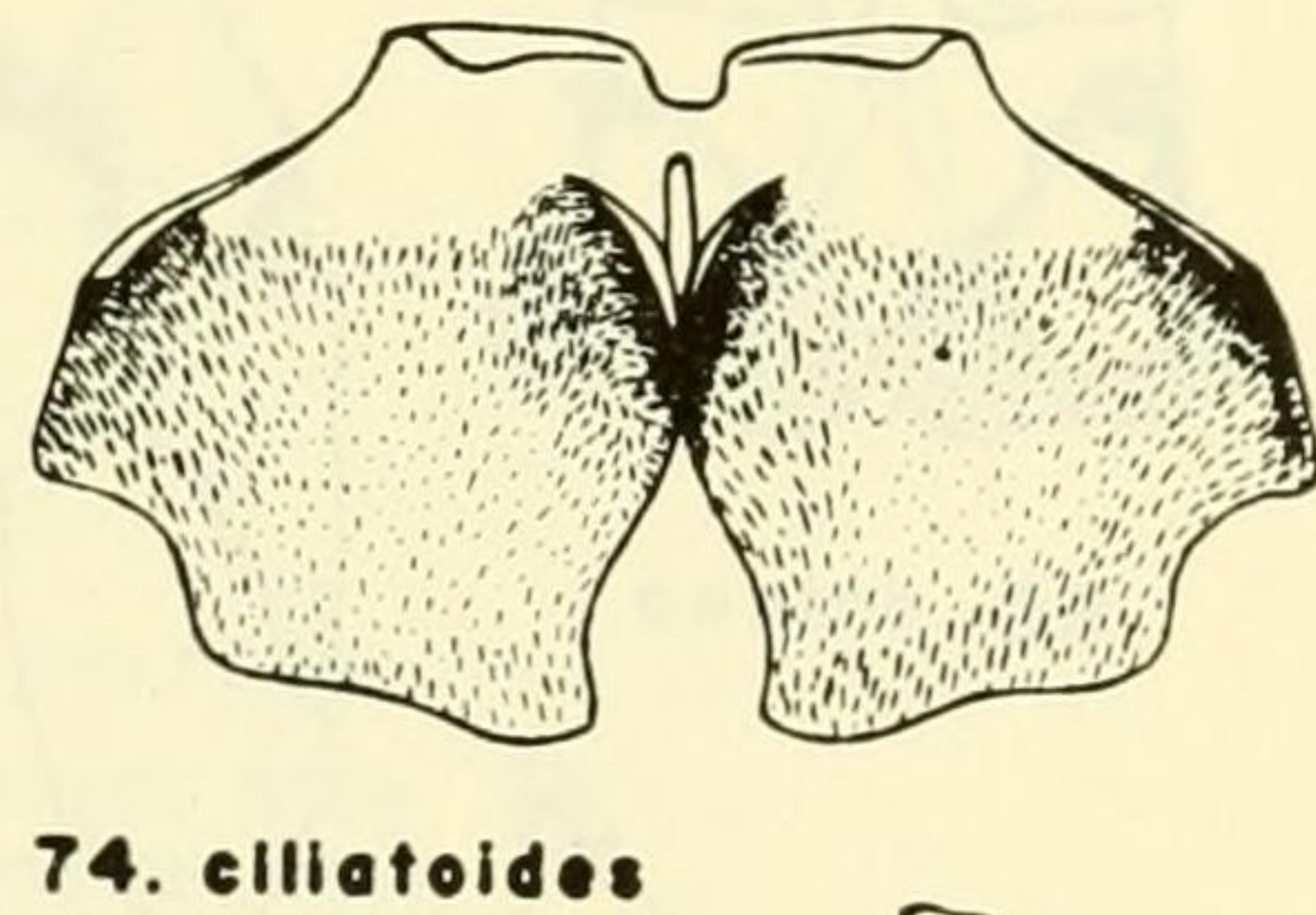
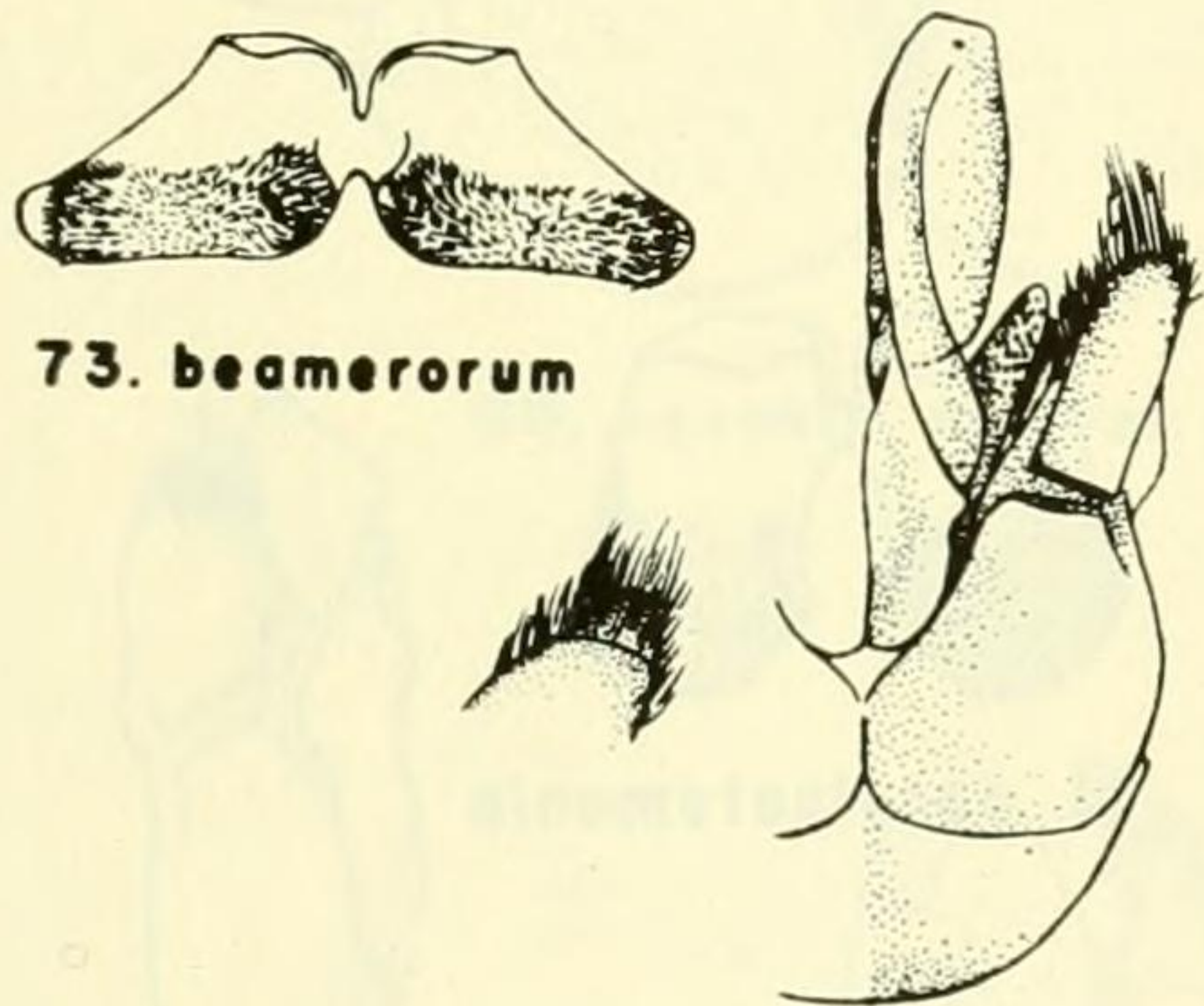
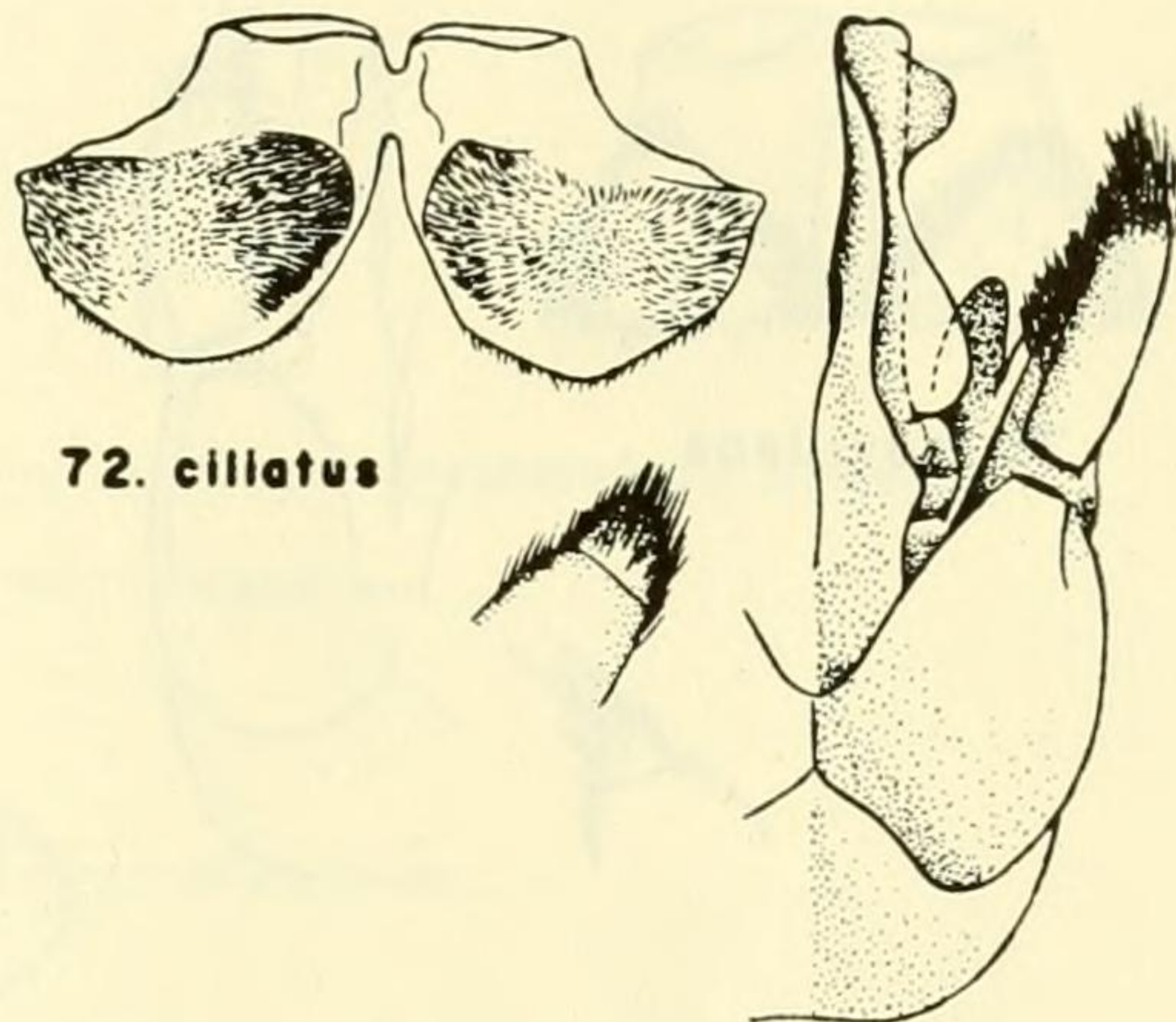
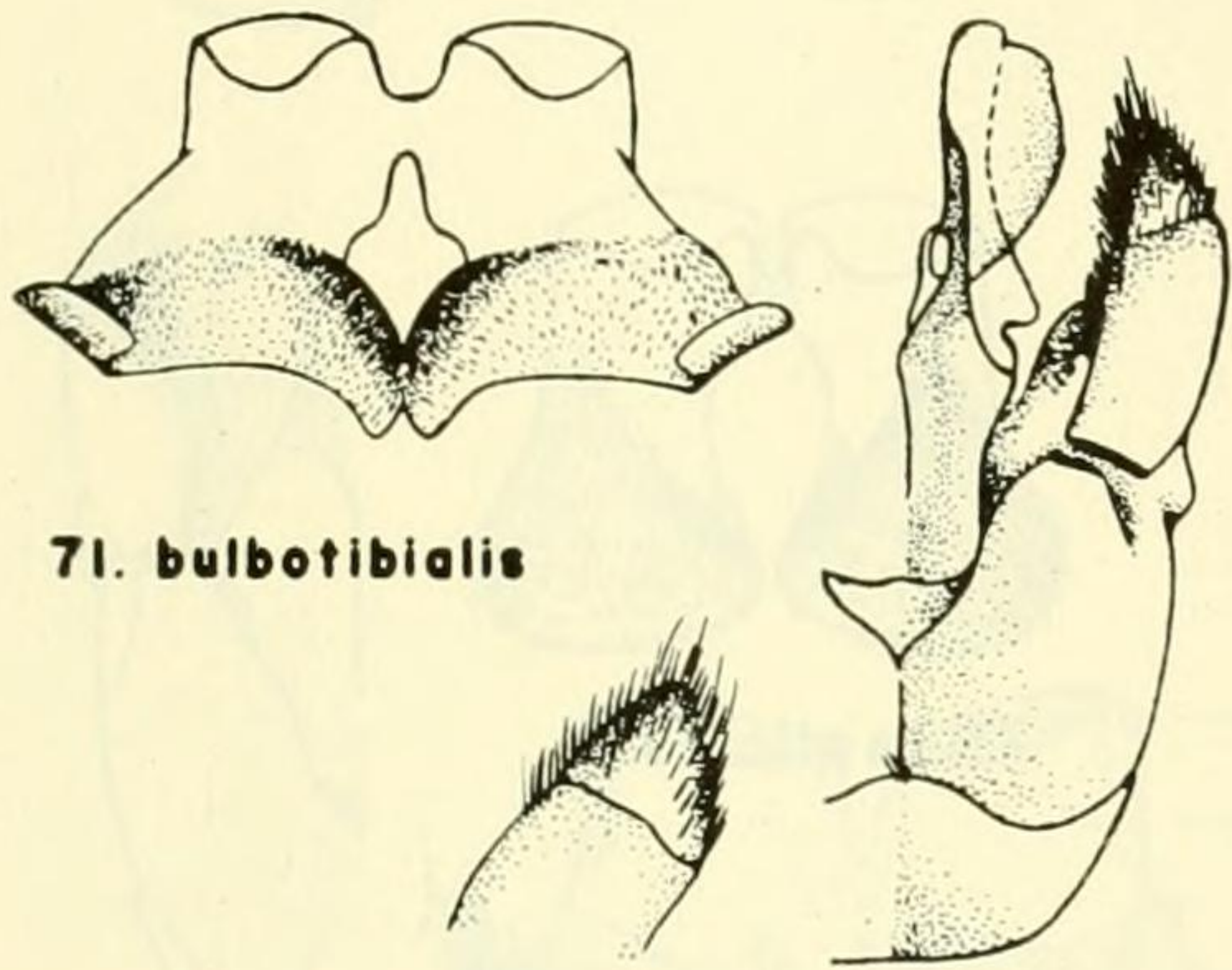
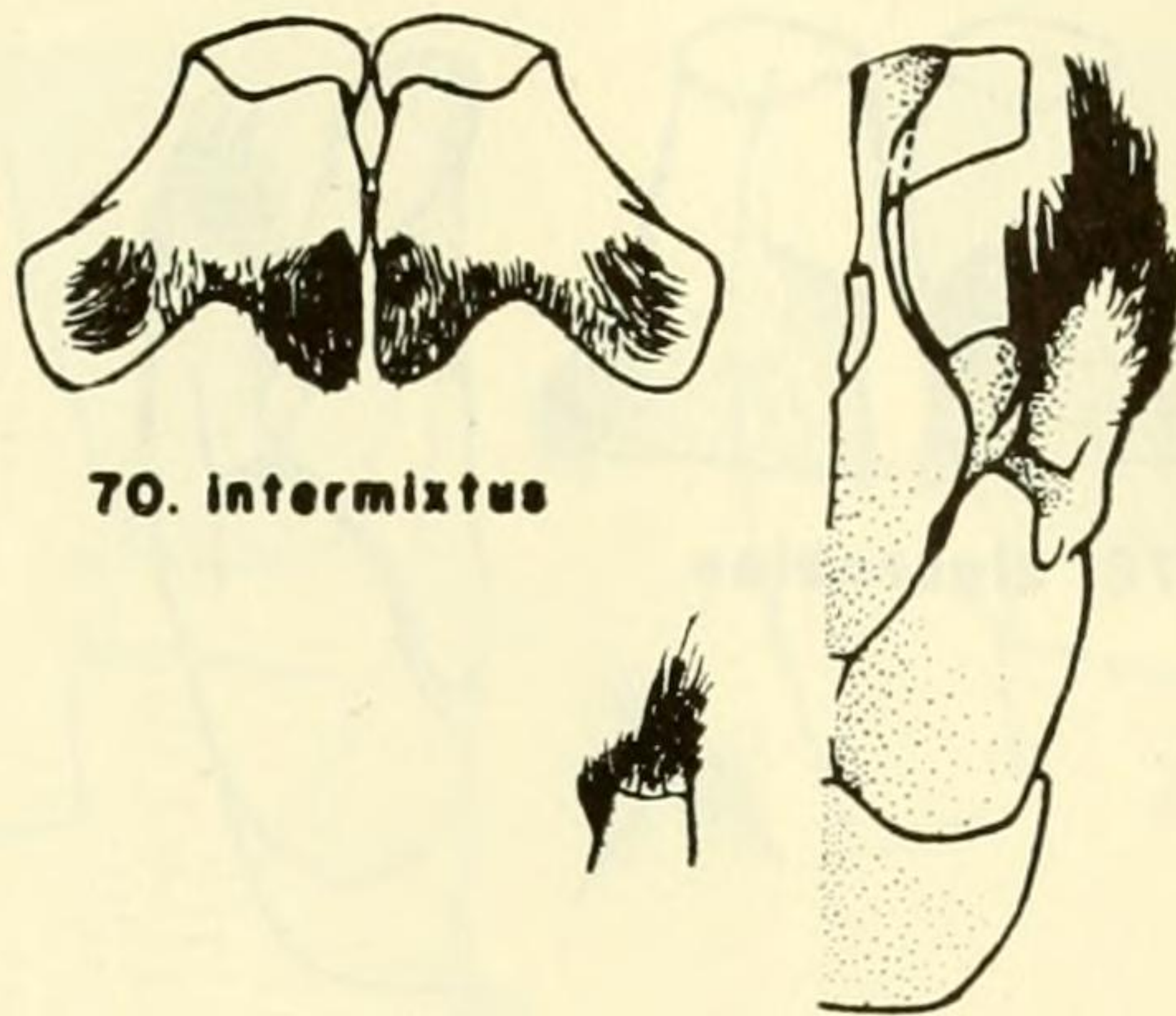
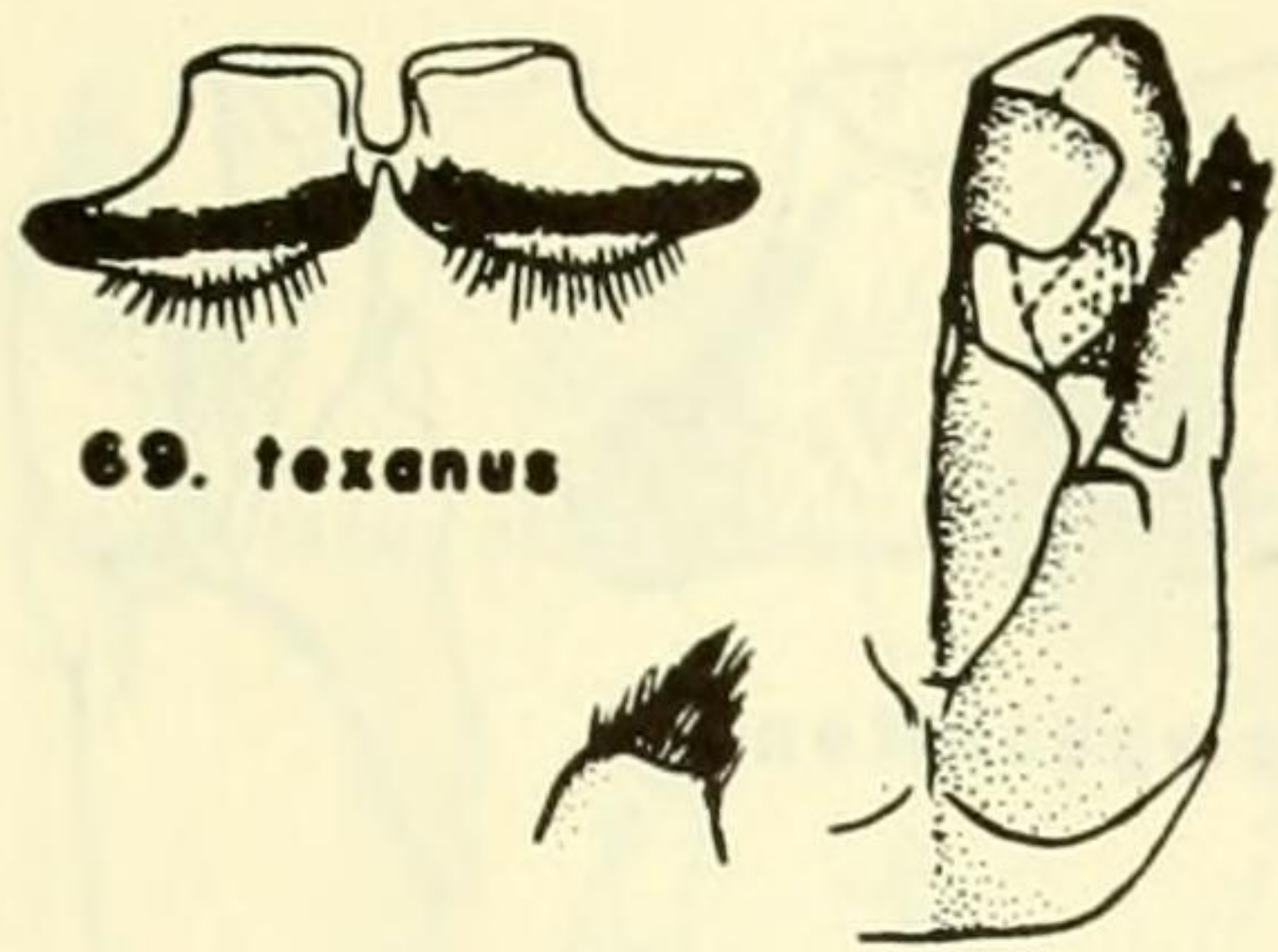
FIGS. 47-54. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.



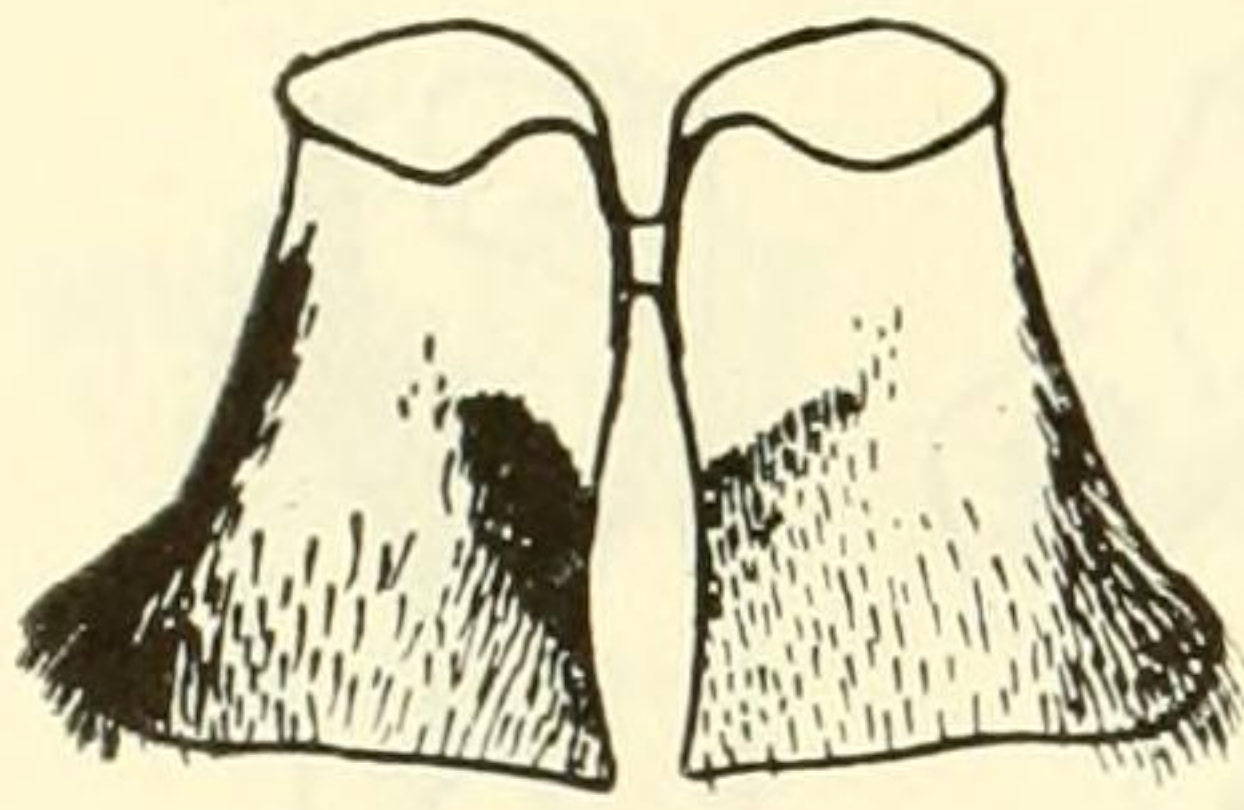
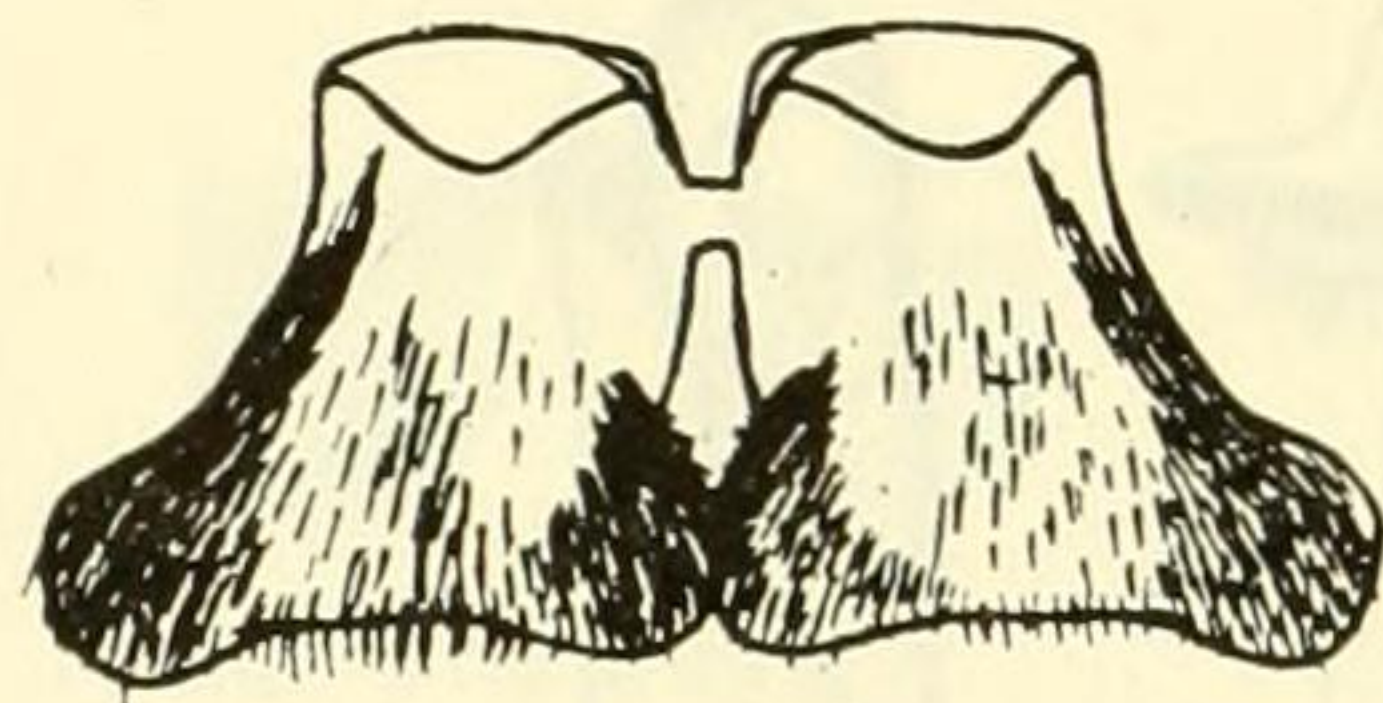
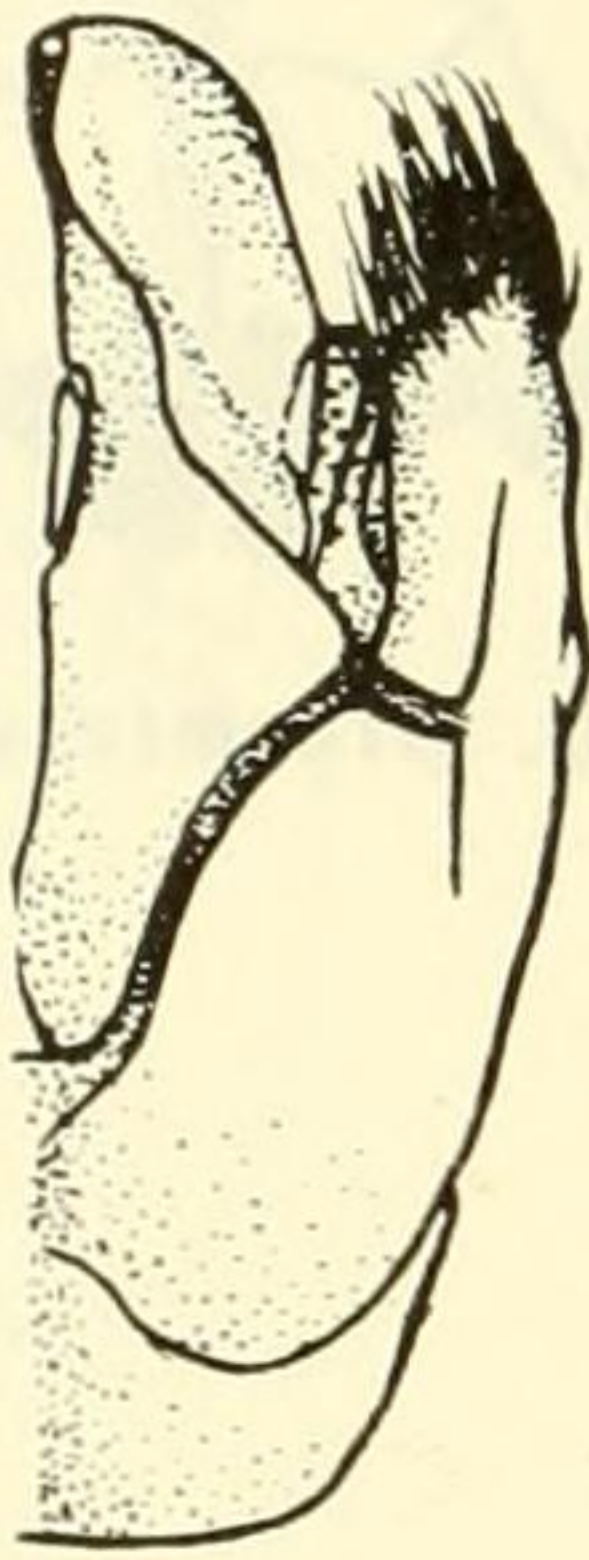
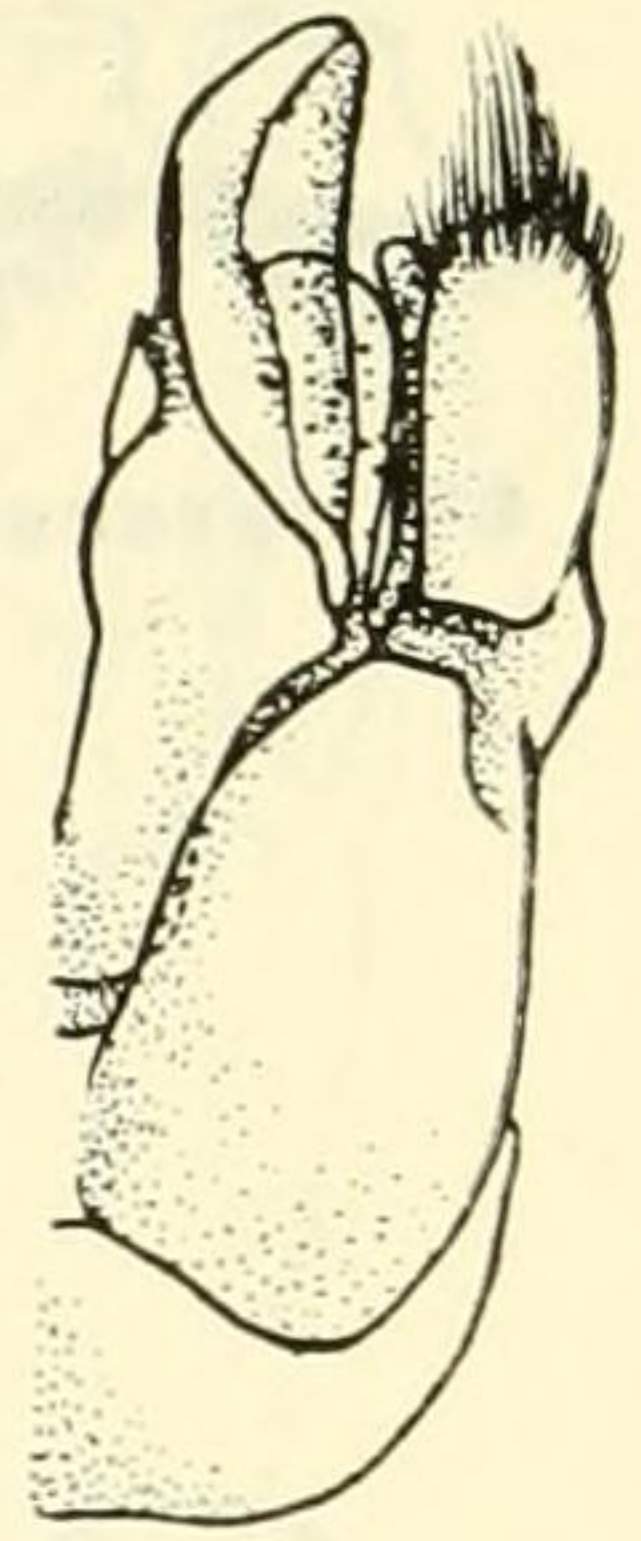
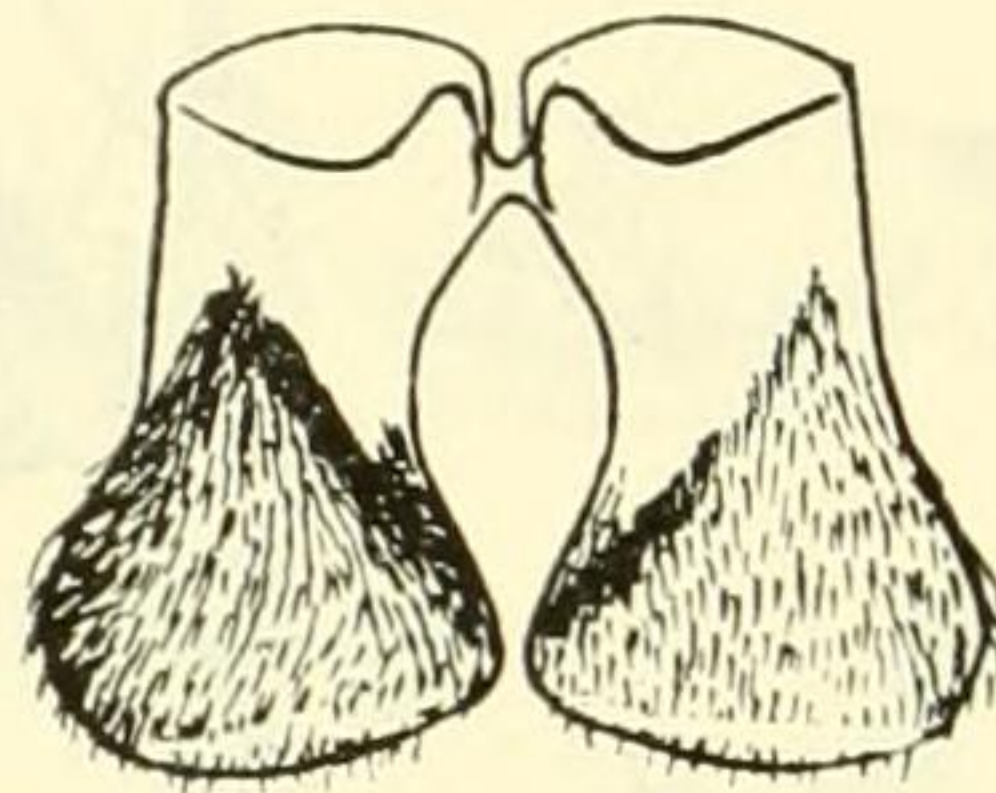
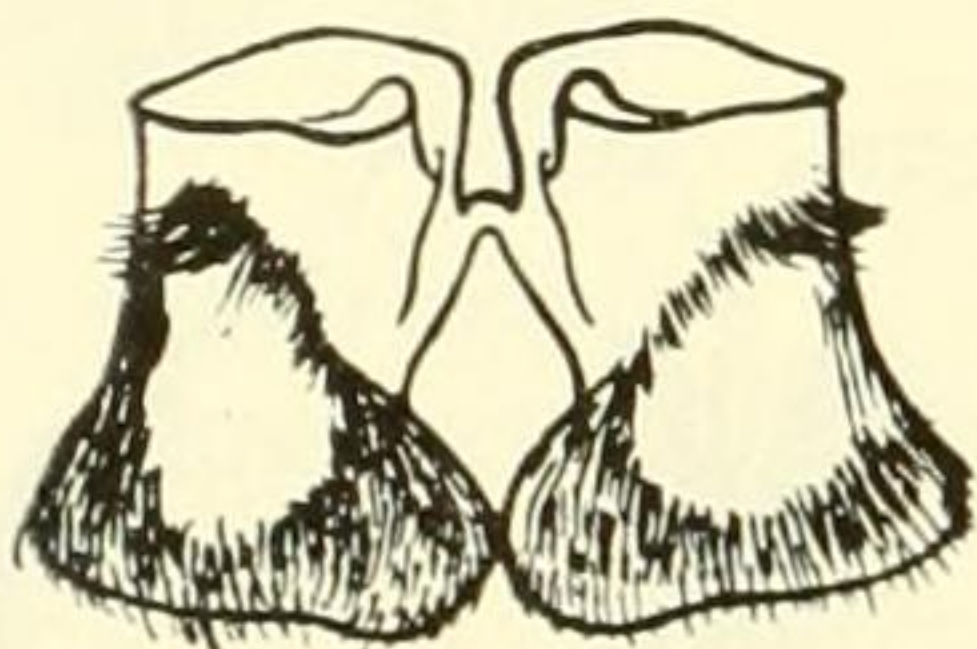
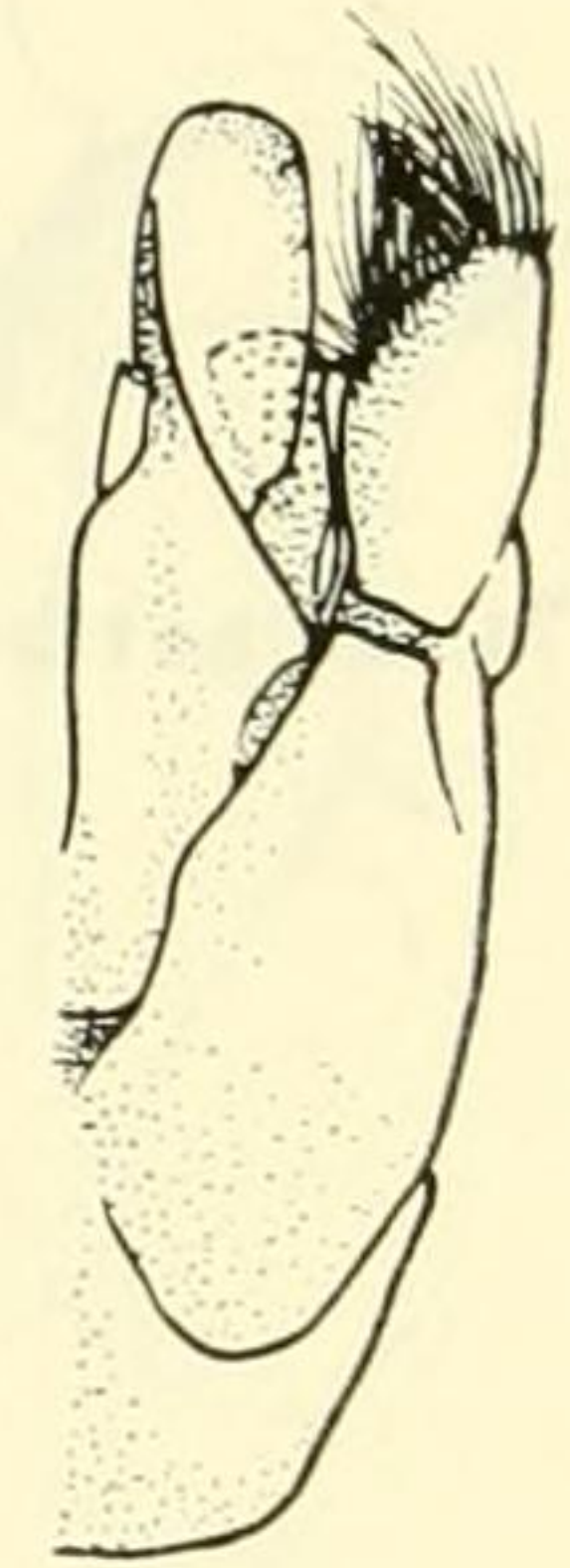
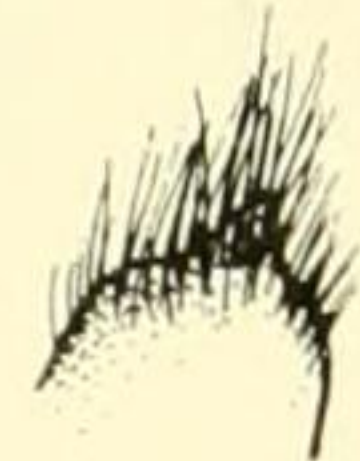
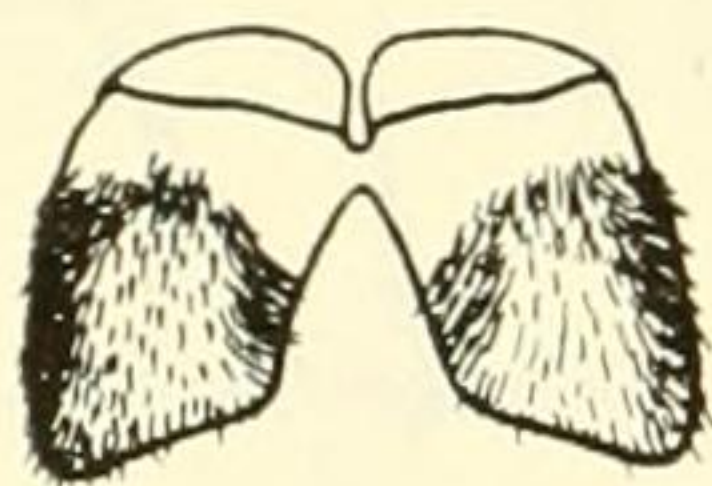
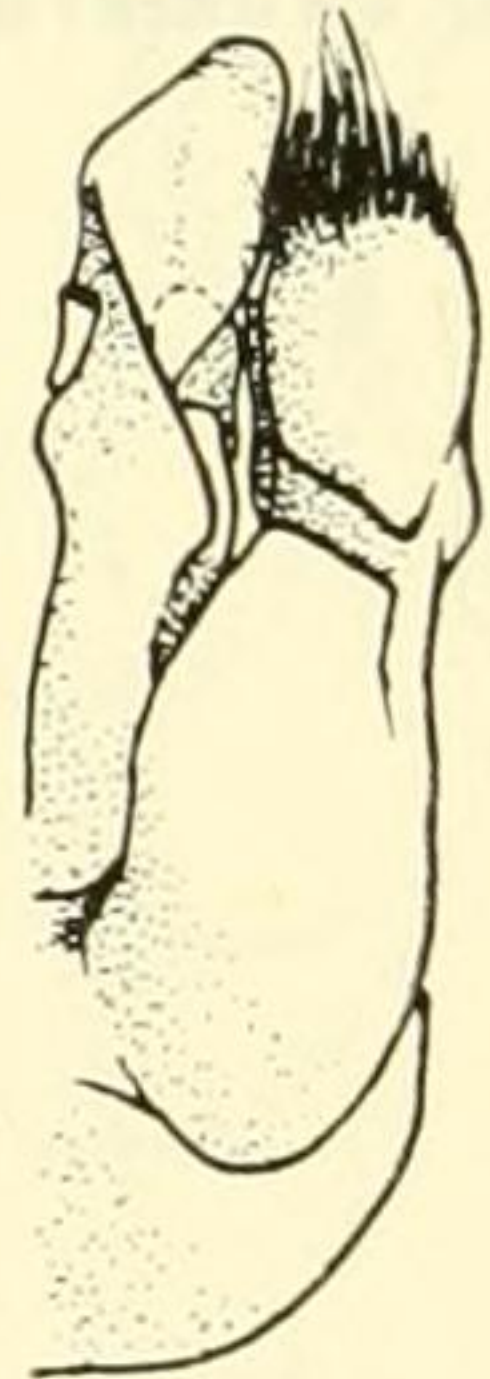
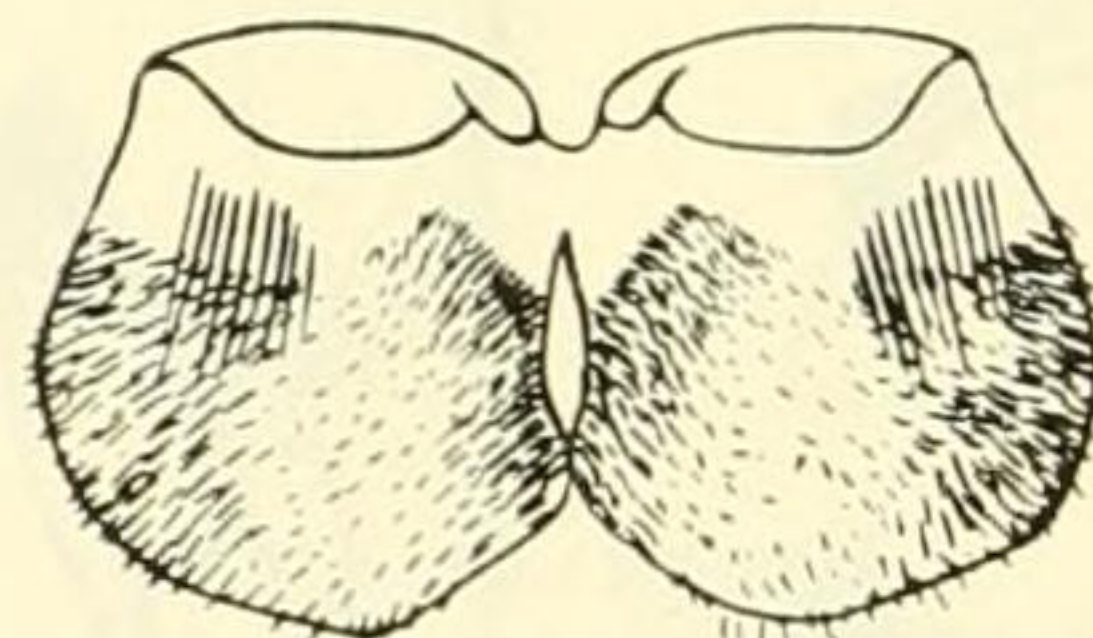
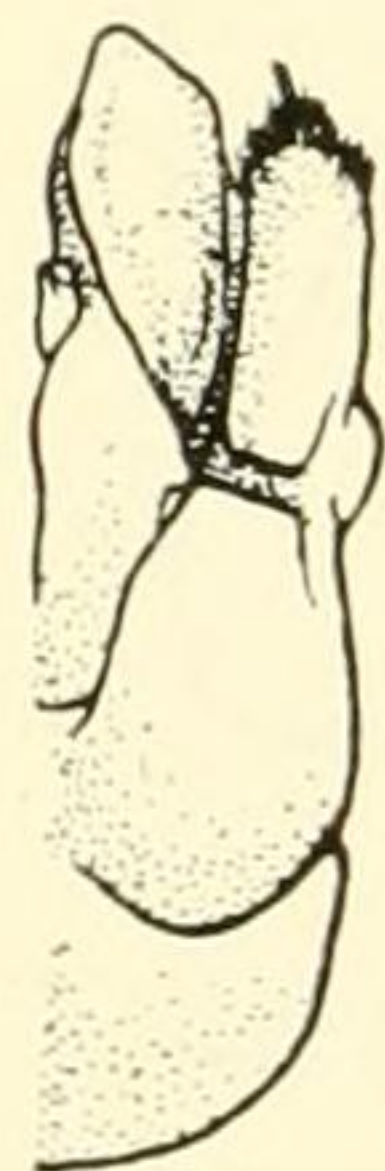
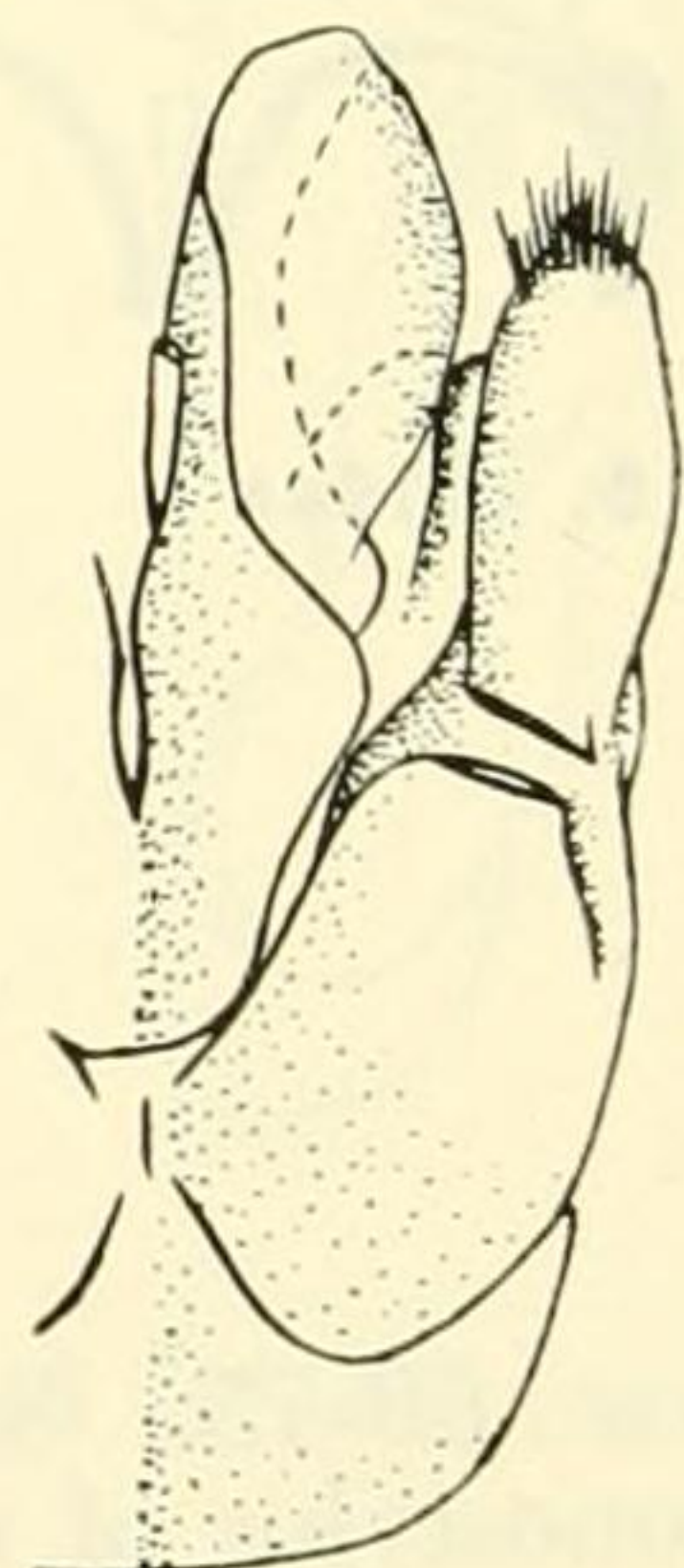
FIGS. 55-60. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.



FIGS. 61-68. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.



FIGS. 69-75. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

76. *algarobiae*77. *clypeonitens*78. *covilleae*79. *salicicola*80. *daleae*81. *petalostemonis*82. *prosopidis*83. *deserticola*

FIGS. 76-83. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

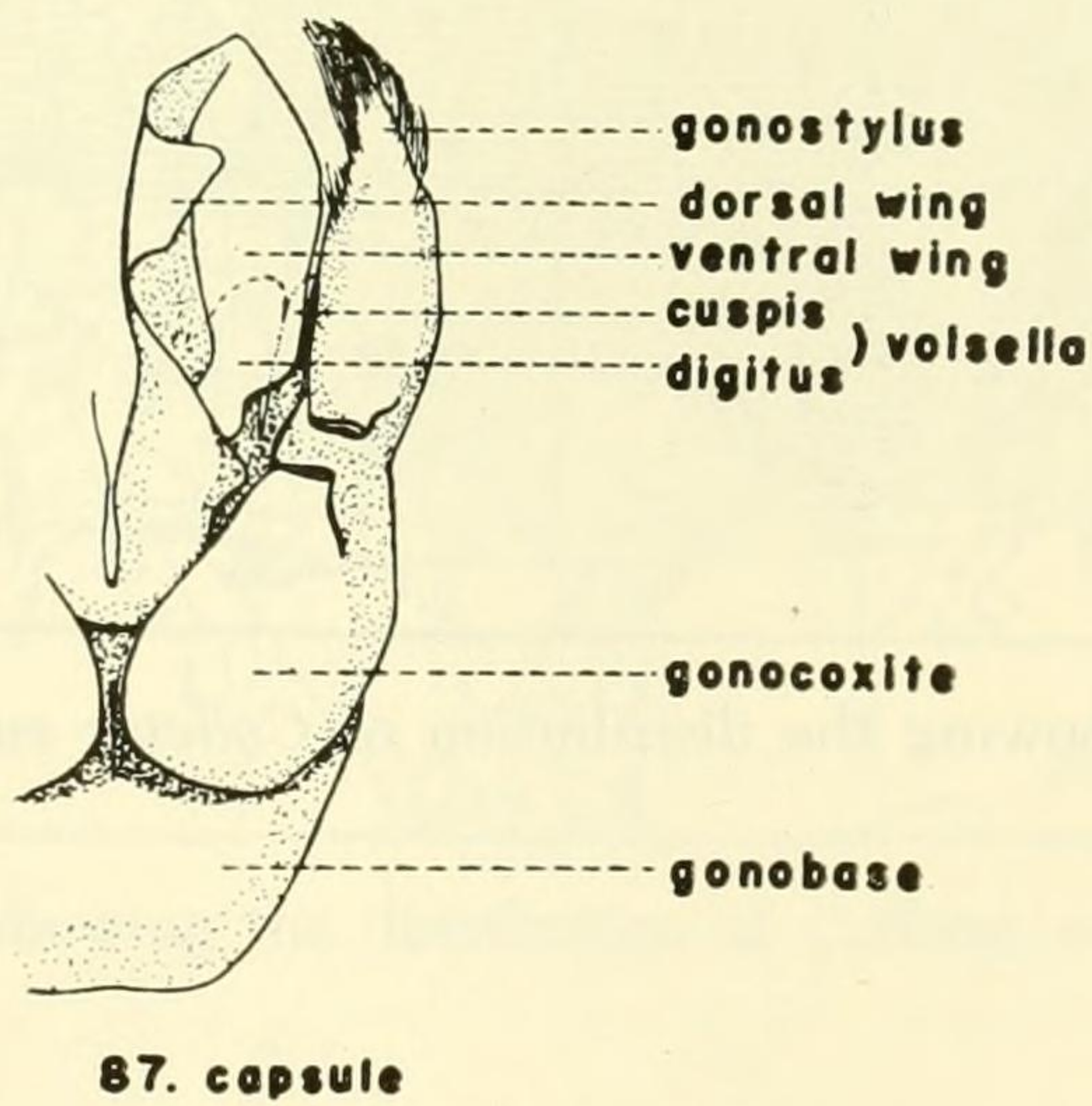
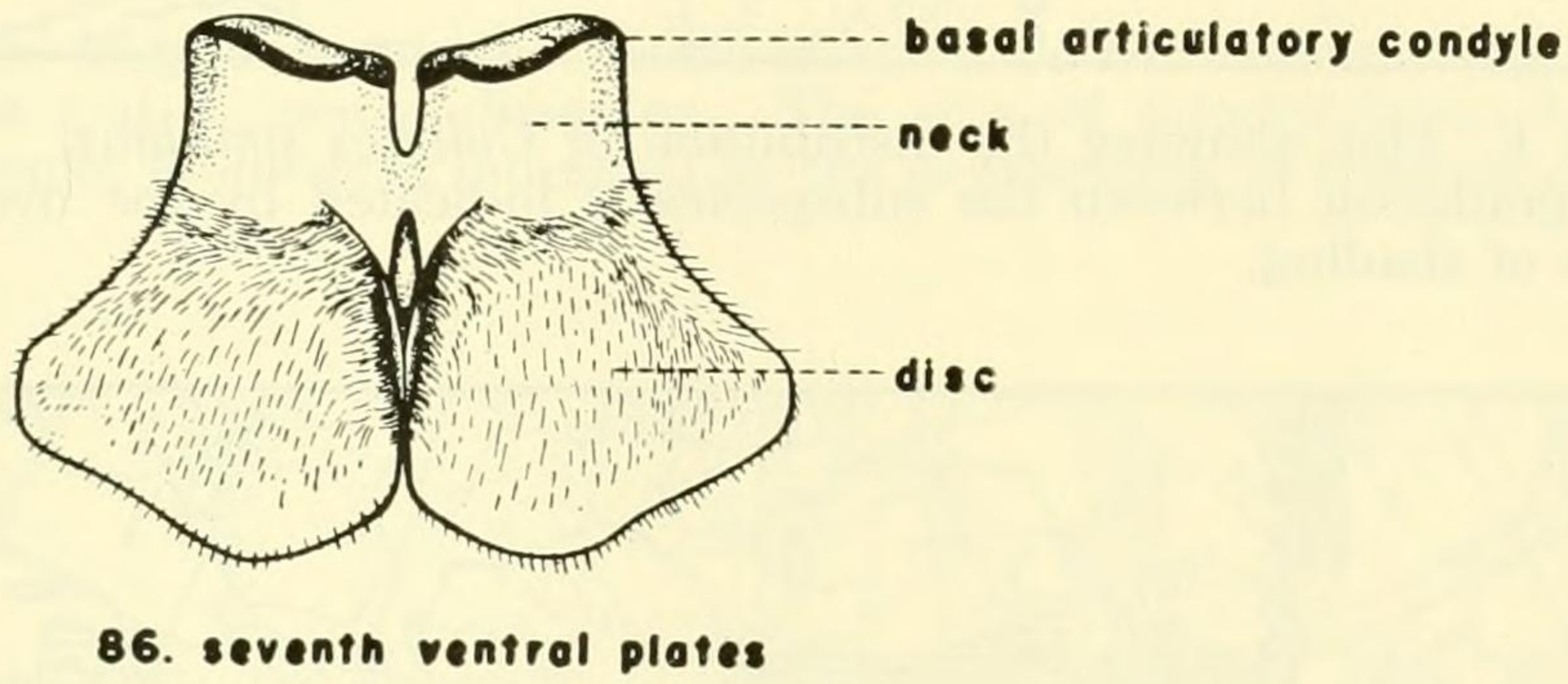
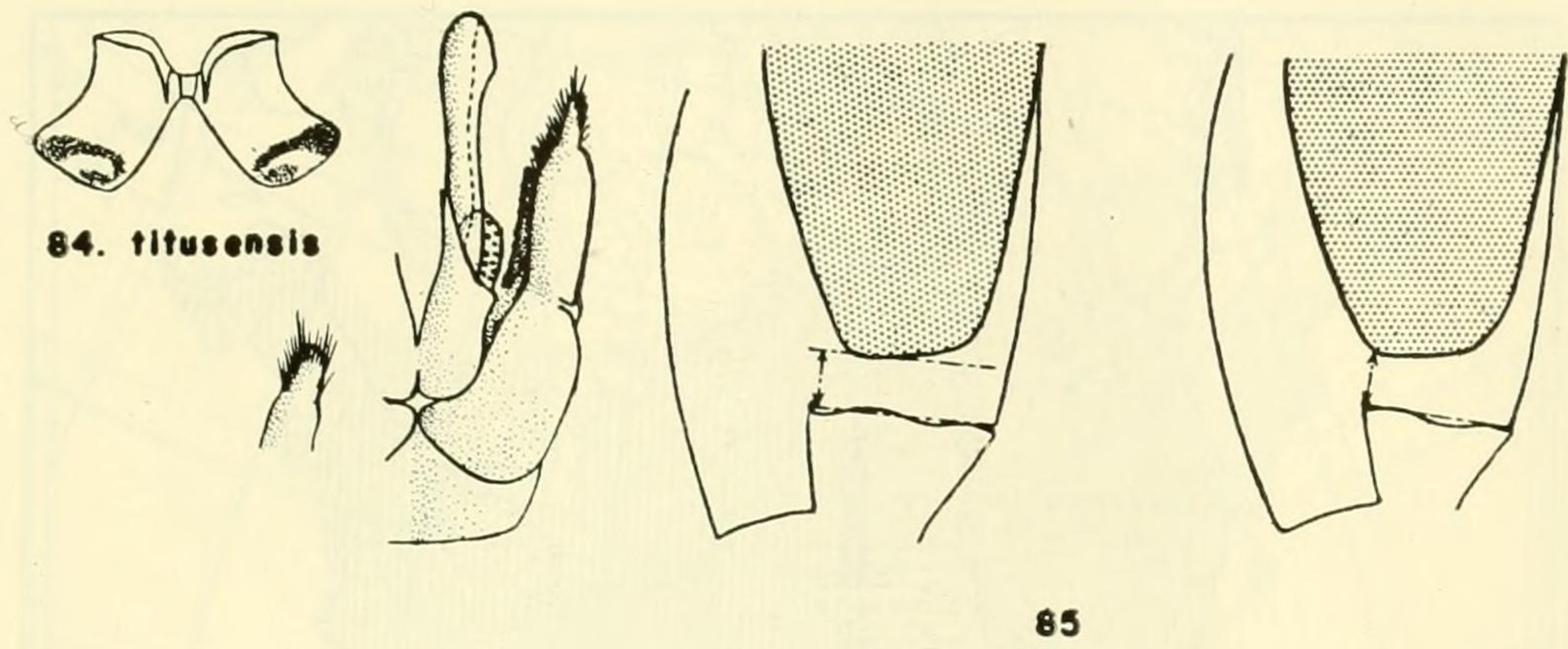


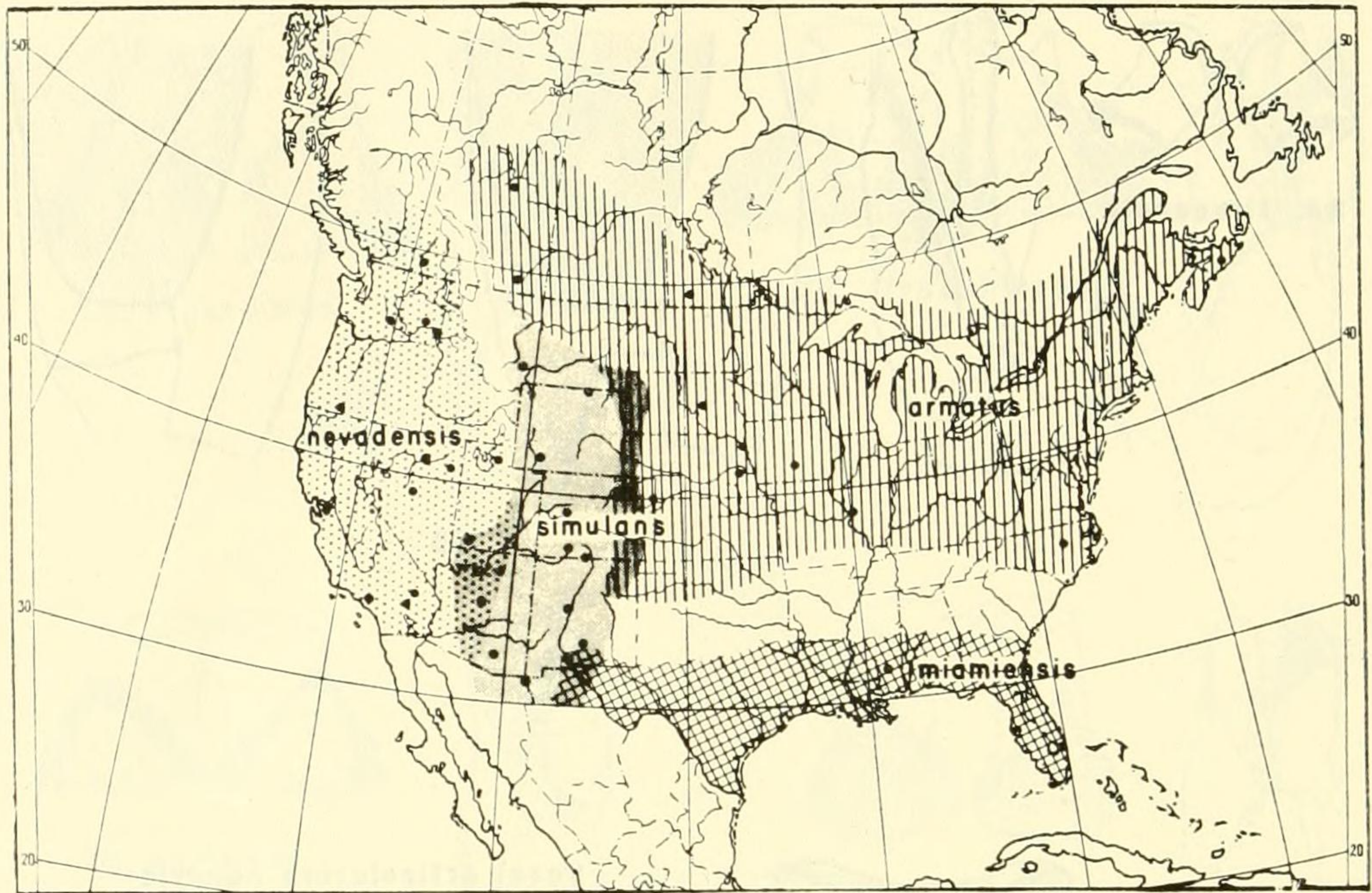
FIG. 84. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

FIG. 85. Diagrams illustrating measurement of malar spaces.

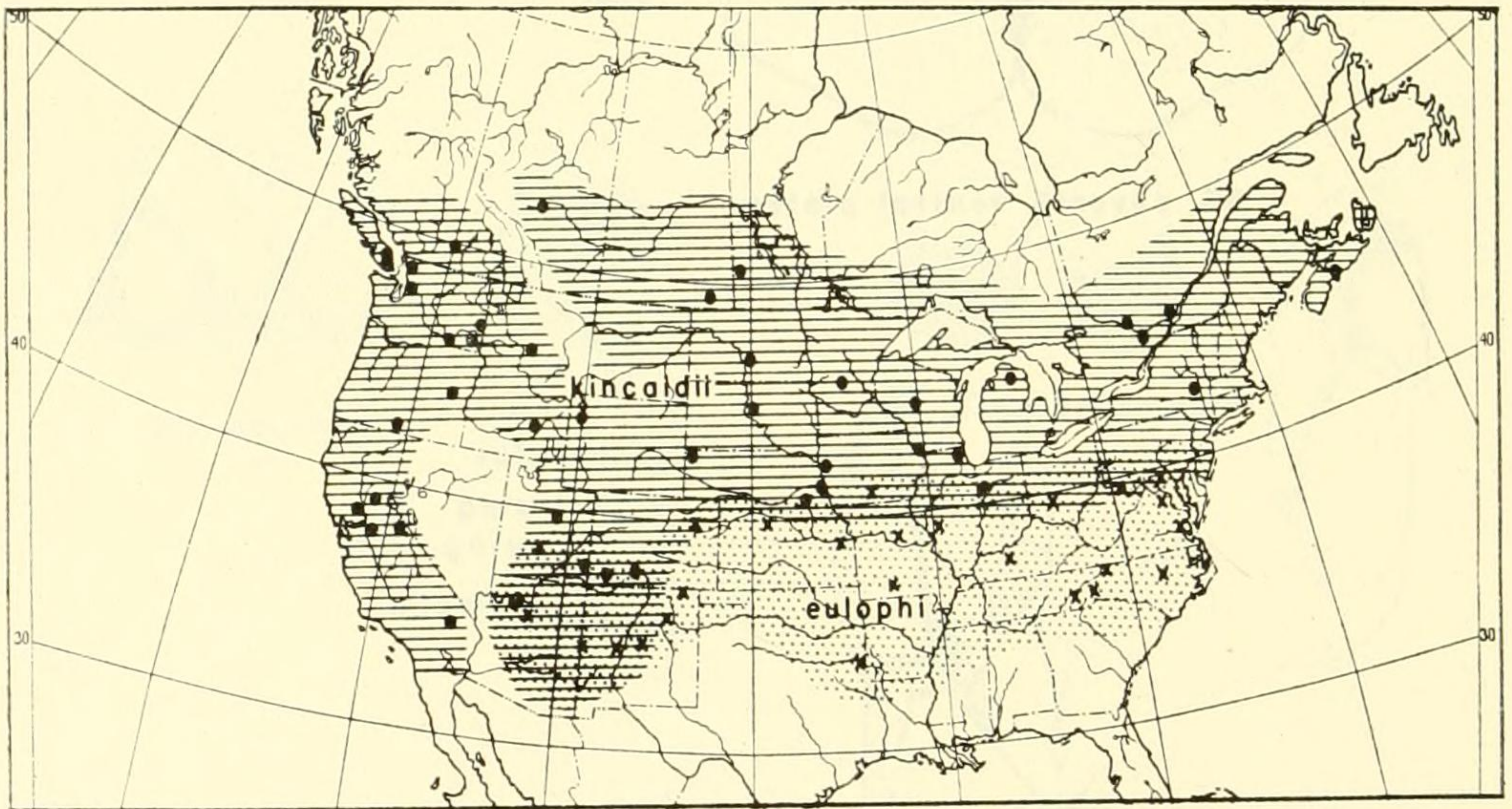
FIG. 86. Elements of seventh ventral plates of male.

FIG. 87. Elements of capsule of male.

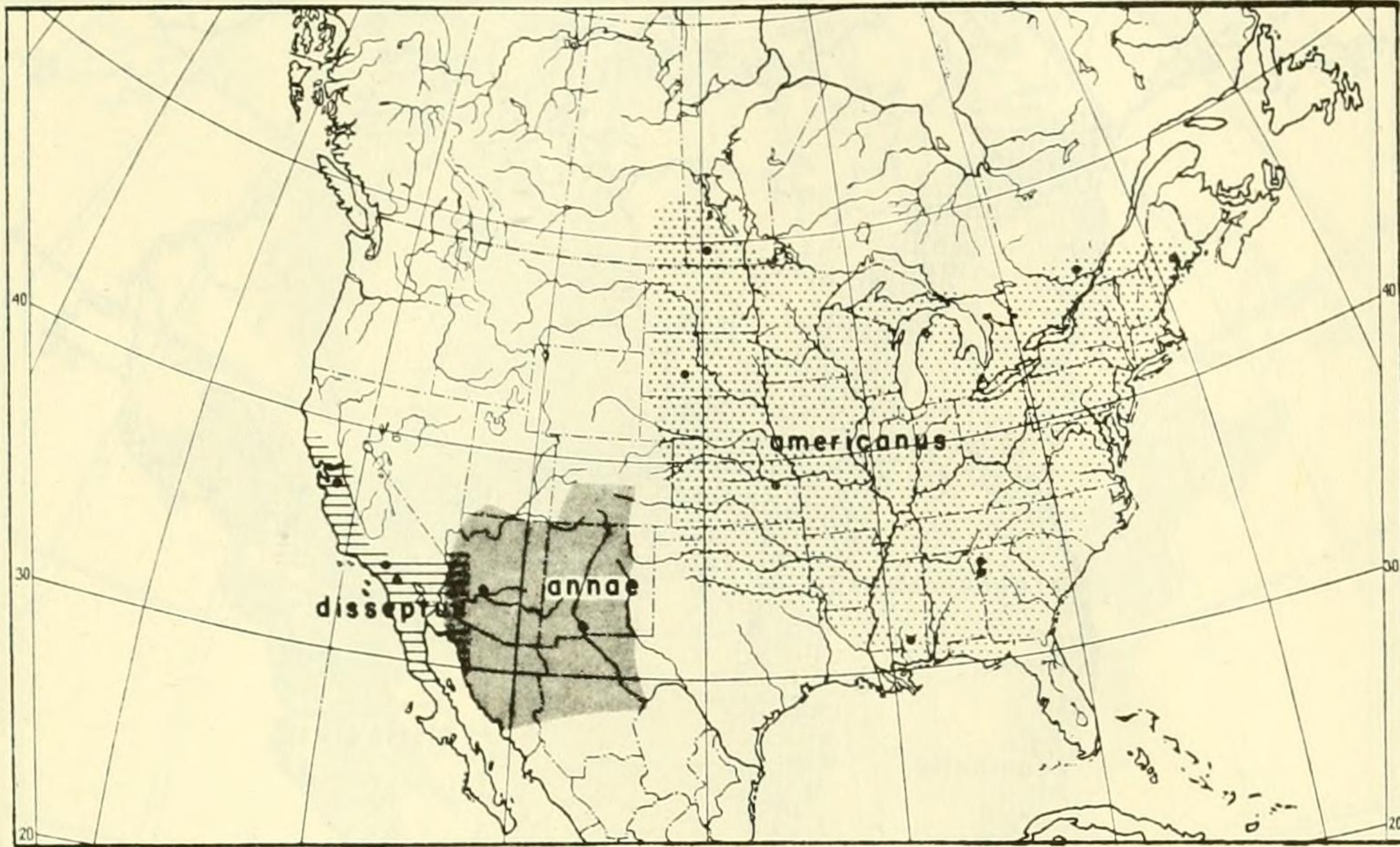




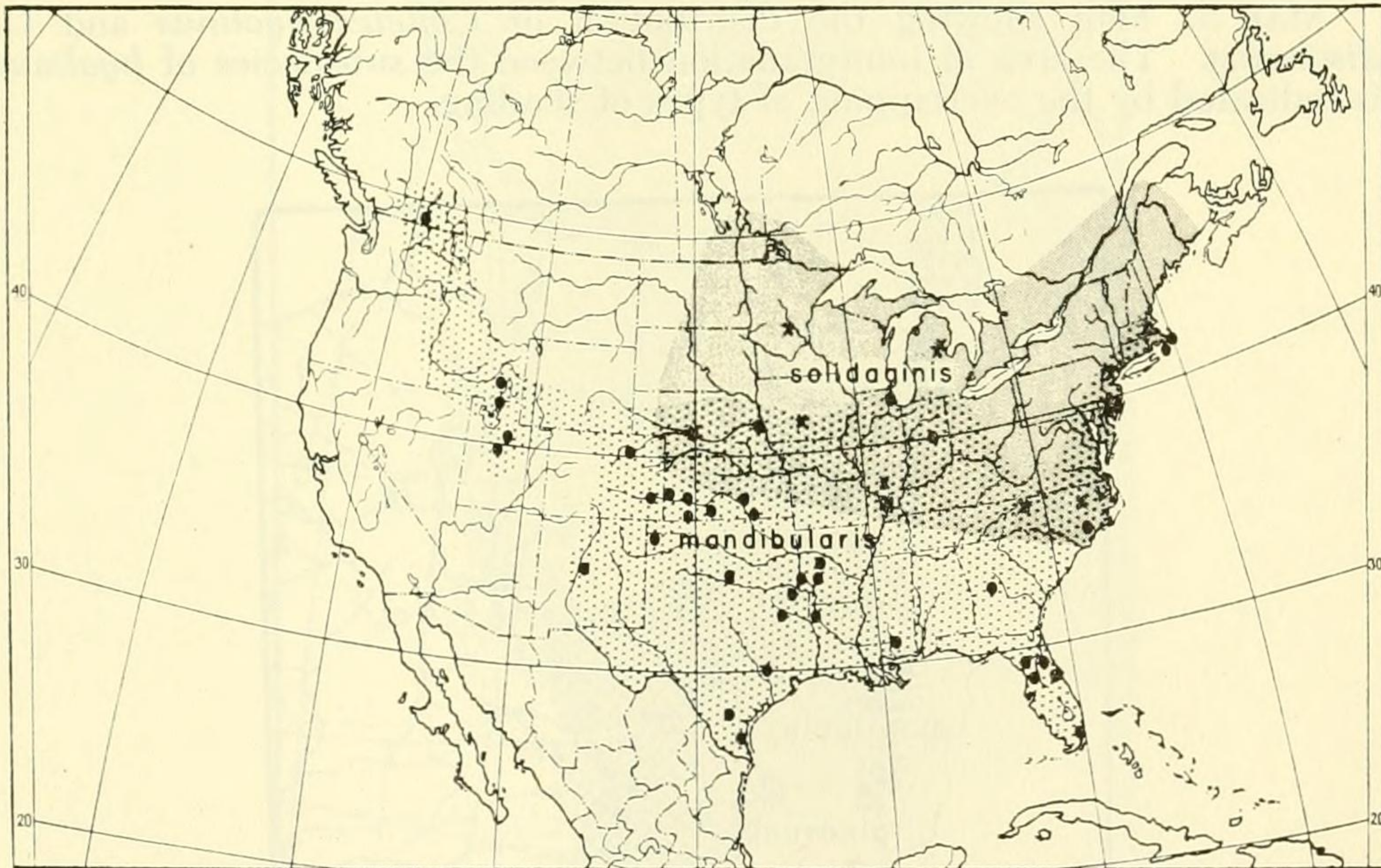
MAP 1. Map showing the distribution of *Colletes simulans*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.



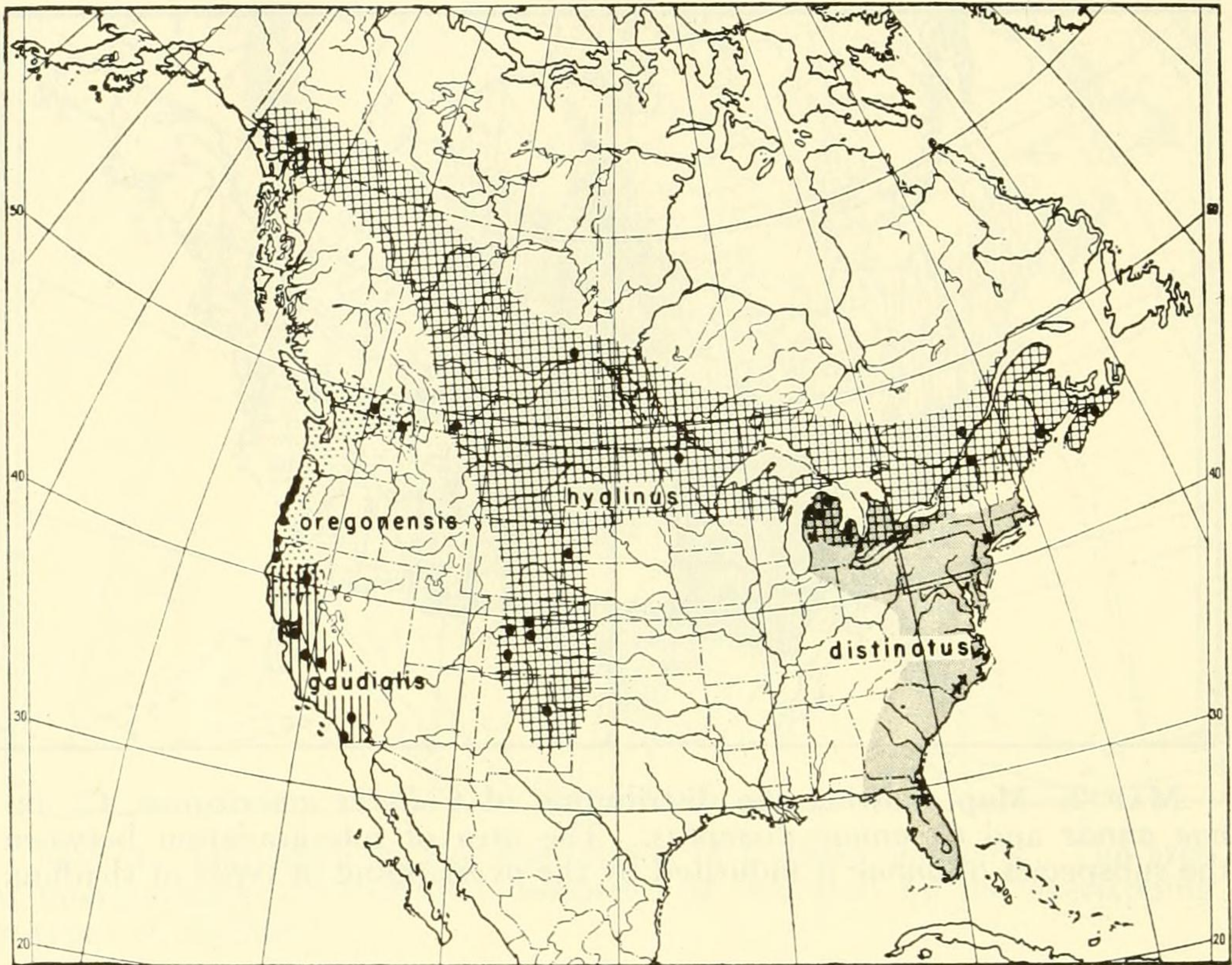
MAP 2. Map showing the distribution of *Colletes eulophi* and *C. kincaidii*.



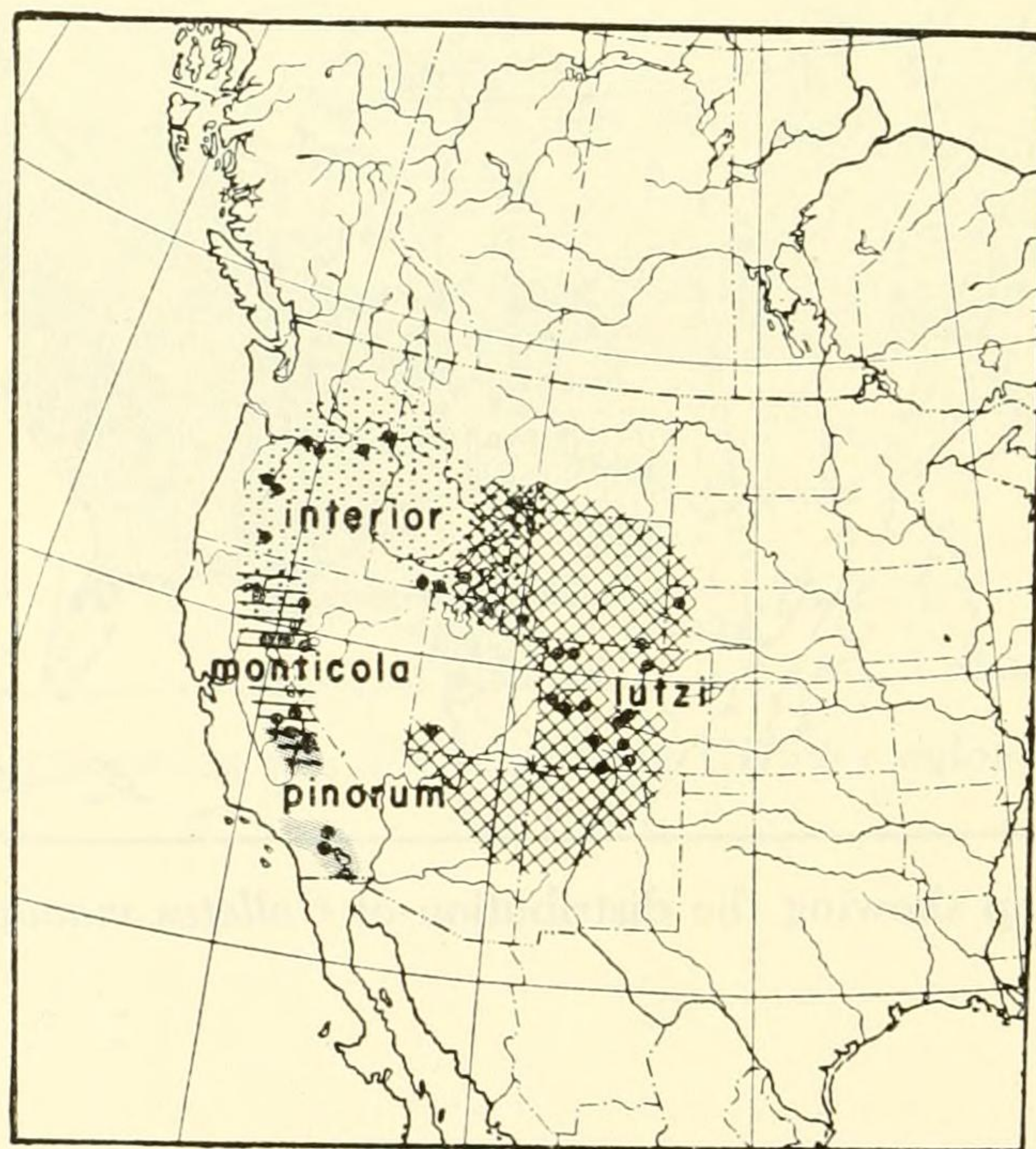
MAP 3. Map showing the distribution of *Colletes americanus*, *C. annae annae* and *C. annae disseptus*. The area of intergradation between the subspecies of *annae* is indicated by the overlapping of types of shading.



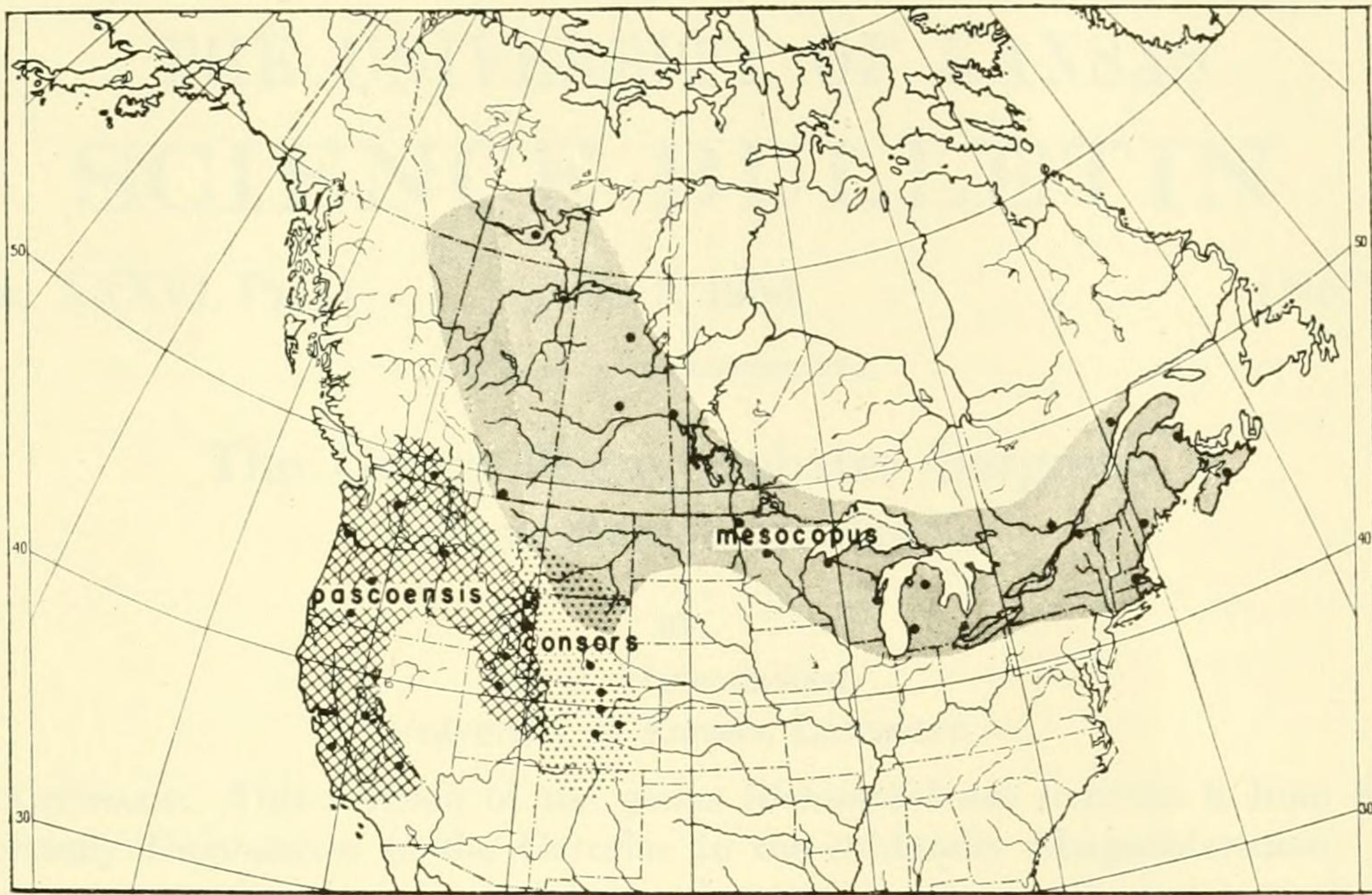
MAP 4. Map showing the distribution of *Colletes mandibularis* and *C. solidaginis*.



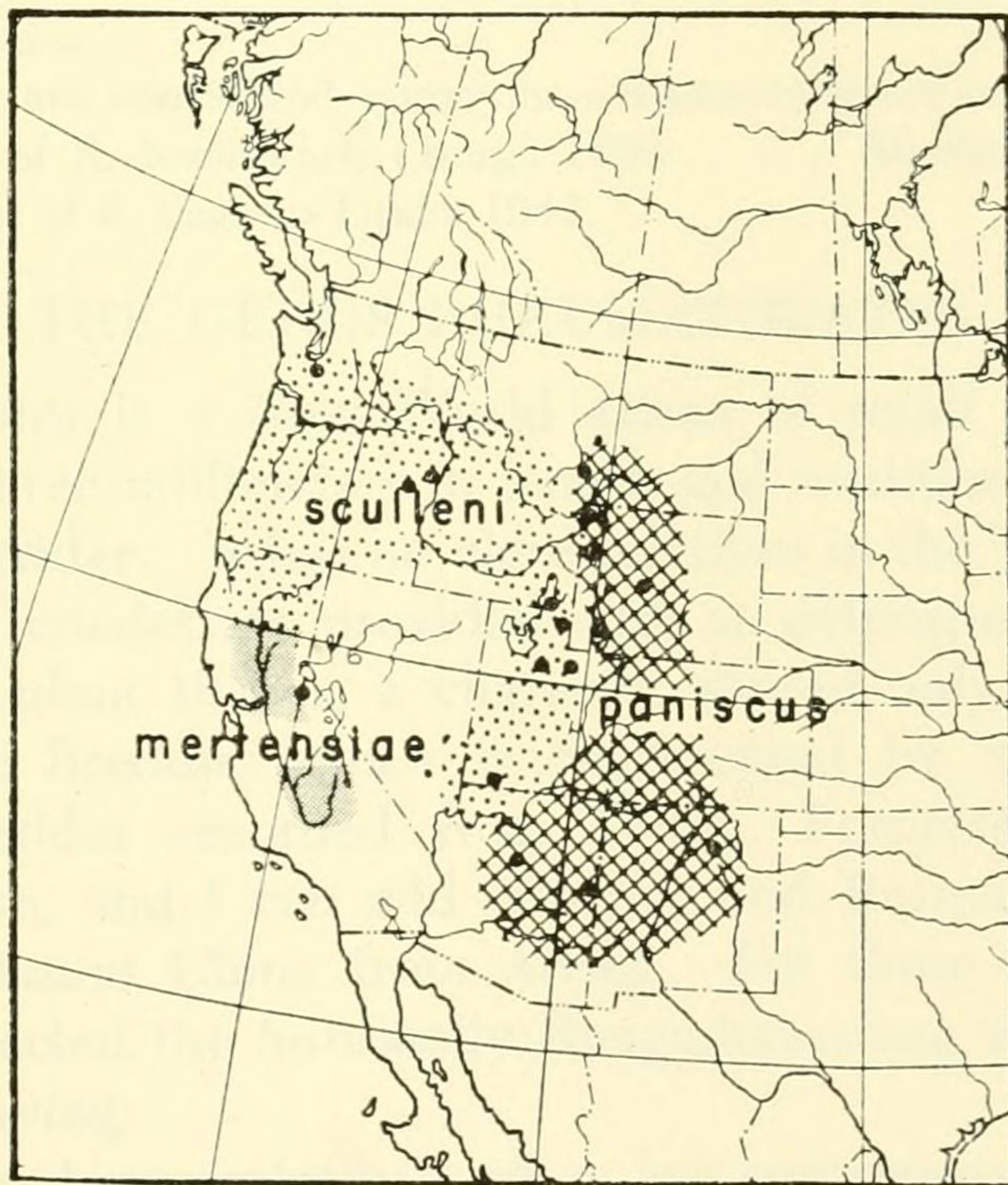
MAP 5. Map showing the distribution of *Colletes hyalinus* and *C. distinctus*. The area of intergradation between the subspecies of *hyalinus* is indicated by the overlapping of types of shading.



MAP 6. Map showing the distribution of *Colletes lutzi*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.



MAP 7. Map showing the distribution of *Colletes consors*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.



MAP 8. Map showing the distribution of *Colletes paniscus*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.

The following text is generated from uncorrected OCR.

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"(Female: length 5 lines — Black; the pubescence white; that on the thorax above slightly tinged with yellow; the abdomen very bright, smooth and shining. The clypeus strongly punctured; the flagellum of the antennae fulvous beneath towards the apex. Thorax shiny and punctured; wings hyaline and iridescent, the nervures fuse-ferruginous. Abdomen impunctate at the base and very finely punctured towards the apex; the apical margin of each segment, except the basal one, with a white pubescent fascia.

"Male: A little smaller than the female, of the same jet-black colour, with similar white pubescence, and the same bright polished abdomen; the latter is oblong-ovate in the male, and of conical shape in the female, the apex being pointed. Hab. East Florida. )"

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pinorum Timberlake 381

\*pleuralis Swenk 420

\*polemonii Cockerell 429

productus Robertson 201

\*propinqua Cresson 389

prosopidis Cockerell 489

\*pulcher Swenk 393

\*punctata Robertson 286

robertsonii Dalla Torre ... 286

\*robustus Swenk 286

rudis Timberlake 214



\*rufithorax Swenk 393

rufocinctus Cockerell 249

salicicola Cockerell 479

saritensis Stephen 341

\*scitula Patton 240

scopiventer Swenk 444

sculleni Timberlake 421

\*sieverti Cockerell 270

\*similis Robertson 360

simulans Cresson 234

\*simulator Michener 360

skinneri Viereck 219

slevini Cockerell 262

solidaginis Swenk 364

solitarius Timberlake 492

sonoratus Timberlake 436

\*speciosus Robertson 460

sphaeralceae Timberlake 438

\*spinosus Robertson 240

\* The asterisks indicate names which are now known to be synonyms or homonyms.

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\*spurcus Viereck 369

\*stricklandi Cockerell 270

susannae Swenk 347

swenki Stephen 450

tectiventris Timberlake 321

\*tegaris Swenk 238

texanus Cresson 447

thoracicus Smith 393

thysanellae Mitchell 351

timberlakei Stephen 290

titusensis Mitchell 497

trigonatus Cockerell 275

\*truncatus Timberlake 249

\*tucsonensis Cockerell 252

turgiventris Timberlake 294

utilis Cockerell 276

validus Cresson 397

vandykei Timberlake 222

\*vicinalis Graenicher 401

\*vierecki Swenk 299

wickhami Timberlake 441

willistoni Robertson 404

wilmattae Cockerell 354

wootoni Cockerell 277

xerophilus Timberlake 433

\*zonatus Viereck 414

\* The asterisks indicate names which are now known to be synonyms or homonyms.

**[Begin Page: Figs. 1-6, Page 511]**

Revision of the Bee Genus *Colletes*

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1- productut

2. arlzontnslt

5. ptrll«ucui

Figs. 1-6. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

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Figs. 7-11. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 12-17, Page 513]**

Revision of the Bee Genus *Colletes*

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12. *t. ilmaiont*

14. *filgldd.*

15. *angtlcut*

17. mfoelnetvt

Figs. 12-17. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

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19. bryontl

20 birkmanni

Figs. 18-23. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 24-30, Page 515]**

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30. *mttil*

Figs. 24-30. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 31-38, Page 516]**

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38. *mltchtlli*

Figs. 31-38. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 39-46, Page 517]**

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Figs. 39-46. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 47-54, Page 518]**

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47. wilaiatta\*

48. mandibular it

49. tolidaginlt

51. hyallnut

52. lutzl

Figs. 47-54. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 55-60, Page 519]**

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60. br«vicorni»

Figs. 55-60. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 61-68, Page 520]**

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Figs. 61-68. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 69-75, Page 521]**

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75. oridot

Figs. 69-75. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 76-83, Page 522]**

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81. petalostemoni8

82. prosopidis

Figs. 76-83. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

**[Begin Page: Figs. 84-87, Page 523]**

Revision of the Bee Genus Colletes

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89

basal articulatory condyle

ntck

86. seventh ventral plates

gonottylut

dorsal wing

ventral wing

cuspis . , „

) volsello

-digitus

gonocoxlte

gonobase

87. capsule

Fig. 84. Seventh ventral plates, left half of capsule and lateral view of left gonostylus of male.

Fig. 85. Diagrams illustrating measurement of malar spaces.

Fig. 86. Elements of seventh ventral plates of male.

Fig. 87. Elements of capsule of male.

**[Begin Page: Map 1-2, Page 524]**

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Map 1. Map showing the distribution of *Colletes simulans*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.

Map 2. Map showing the distribution of *Colletes eulophi* and *C. kincaidii*.

**[Begin Page: Map 3-4, Page 525]**

Revision' of the Bee Genus *Colletes*

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Map 3. Map showing the distribution of *Colletes americanus*, *C. annae annae* and *C. annae disseptus*. The area of intergradation between the subspecies of *annae* is indicated by the overlapping of types of shading.

Map 4. Map showing the distribution of *Colletes mandibularis* and *C. solidaginis*.

**[Begin Page: Map 5-6, Page 526]**

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Map 5. Map showing the distribution of *Colletes hyalinus* and *C. distinctus*. The area of intergradation between the subspecies of *hyalinus* is indicated by the overlapping of types of shading.

Map 6. Map showing the distribution of *Colletes lutzi*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.

**[Begin Page: Map 7-8, Page 527]**

Revision of the Bee Genus *Colletes*

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Map 7. Map showing the distribution of *Colletes consors*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.

Map 8, Map showing the distribution of *Colletes paniscus*. The area of intergradation between the subspecies is indicated by the overlapping of types of shading.