HOKKAIDO UNIVERSITY

Title	Notes on some Lithocolletis-moths occurring in Japan (Lep., Gracillariidae)
Author(s)	Kumata, Tosio
Citation	Insecta matsumurana, 29(1), 21-22
Issue Date	1966-11
Doc URL	https://hdl.handle.net/2115/9740
Type	departmental bulletin paper
File Information	29(1)_p21-22.pdf

Hokkaido University Collection of Scholarly and Academic Papers : HUSCAP

and *C. schisandrae* Kumata in the genital strucutre. In the structure of the labial palpus, it resembles *C. metadoxa* (Meyrick, 1908), from which it is immediately distinguished by the absence of the raised scale-porojections of the fore wing as well as the very different colour markings.

Explanation of plates

Plates I–III (Figures 1–24). Wings. Fig. 1, *Caloptilia aceris*, sp. nov. (holotype); 2, *C. acericola*, sp. nov. (paratype); 3, *C. heringi*, sp. nov. (holotype); 4, *C. hidakensis*, sp. nov. (holotype); 5, *C. wakayamensis*, sp. nov. (paratype); 6, *C. semifasciella*, sp. nov. (holotype); 7, ditto (paratype); 8, *C. kurokoi*, sp. nov. (holotype); 9, *C. monticola*, sp. nov. (holotype); 10. *C. gloriosa*, sp. nov. (paratype); 11, *C. geminata*, sp. nov. (holotype); 12, *C. ryukyuensis*, sp. nov. (paratype); 13, *C. alni*, sp. nov. (paratype); 14, ditto (holotype); 15, *C. pulverea*, sp. nov. (holotype); 16, ditto (paratype, a variation); 17, *C. cecidophora*, sp. nov. (holotype); 18, *C. solaris*, sp. nov. (paratype); 19, *C. heliciae*, sp. nov. (holotype); 20, *C. magnoliae*, sp. nov. (holotype); 21, *C. schisandrae*, sp. nov. (holotype); 22, ditto (paratype, a melanic form); 23, *C. kadsurae*, sp. nov. (paratype); 24, *C. illicii*, sp. nov. (holotype).

Plates IV–XII (Figures 25–44). Male genitalia. Fig. 25, *C. aceris*, sp. nov.; 26, *C. acericola*, sp. nov.; 27, *C. heringi*, sp. nov.; 28, *C. wakayamensis*, sp. nov.; 29, *C. semifasciella*, sp. nov.; 30, *C. kurokoi*, sp. nov.; 31, *C. geminata*, sp. nov.; 32, *C. monticola*, sp. nov.; 33, *C. gloriosa*, sp. nov.; 34, *C. alni*, sp. nov.; 35, *C. elongella* (Linné); 36, *C. ryukyuensis*, sp. nov.; 37, *C. pulverea*, sp. nov.; 38, *C. cecidophora*, sp. nov.; 39, *C. solaris*, sp. nov.; 40, *C. heliciae*, sp. nov.; 41, *C. magnoliae*, sp. nov.; 42, *C. schisandrae*, sp. nov.; 43, *C. kadsurae*, sp. nov.; 44, *C. illicii*, sp. nov.

Plates XIII–XX (Figures 45–65). Female genitalia. Fig. 45, *C. aceris*, sp. nov.; 46, *C. acericola*, sp. nov.; 47, *C. heringi*, sp. nov.; 48, *C. wakayamensis*, sp. nov.; 49, *C. semifasciella*, sp. nov.; 50, *C. kurokoi*, sp. nov.; 51, *C. monticola*, sp. nov.; 52, *C. ryukyuensis*, sp. nov.; 53, *C. gloriosa*, sp. nov.; 54, *C. geminata*, sp. nov.; 55, *C. hidakensis*, sp. nov.; 56, *C. alni*, sp. nov.; 57, *C. elongella* (Linné); 58, *C. pulverea*, sp. nov.; 59, *C. solaris*, sp. nov.; 60, *C. cecidophora*, sp. nov.; 61, *C. magnoliae*, sp. nov.; 62, *C. schisandrae*, sp. nov.; 63, *C. heliciae*, sp. nov.; 64, *C. kadsurae*, sp. nov.; 65, *C. illicii*, sp. nov.

NOTES ON SOME LITHOCOLLETIS-MOTHS OCCURRING IN JAPAN (LEP., GRACILLARIIDAE)

By TOSIO KUMATA

As a supplement to my previous paper published in 1963, "Taxonomic Studies on the Lithocolletinae of Japan" (part I, Ins. Mats. 25(2): 53–90; part II, 26(1): 1–48; part III, 26(2): 69–88), some notes on localities or host plants of Japanese *Lithocolletis*-species will be given hereinafter.

Lithocolletis nipponicella Issiki

Issiki, 1930, Ann. Mag. Nat. Hist. 6: 430 [Hokkaido and Honsyu]. Kumata, 1963, Ins. Mats. 25: 79, f. 19 [Hokkaido, Honsyu, Sikoku and Kyusyu. Host plants: *Quercus dentata*, *Q. serrata*, *Q. mongolica* var. *grosseserrata* and *Q. acutissima*].

Material examined: 1♂ & 2♀♀, 21/VI–1/VII, 1956, Nisinoomote, Tanega-sima, near Kyusyu, ex *Quercus dentata*.

Although this species has been known to be widely distributed in Japan, in this paper is given Tanega-sima as a locality of the species for the first time.

Lithocolletis kamijoi Kumata

Kumata, 1963, Ins. Mats. 25: 82, f. 21 [Honsyu and Kyusyu. Host plants: *Quercus acutissima*].

Material examined: 3♀♀, 15–21/VI, 1965, Nisinoomote, Tanega-sima, near Kyusyu, ex *Castanea crenata* (new host record).

The material examined are slightly different from the type series as follows:— antenna ochre-white, annulated slightly with dark brown on upper side; tuft of head wholly snow-white. However, the genitalia agree well enough with those of the type.

Lithocolletis pygmaea Kumata

Kumata, 1963, Ins. Mats. 25: 86, f. 23 [Hokkaido, Sikoku and Kyusyu. Host plants: *Castanea crenata*, *Quercus acutissima* and *Q. mongolica* var. *grosseserrata*].

Material examined: 1♀, 1/VII, 1965, Sasayama, Hyôgo-ken, Honsyu, ex *Quercus acutissima*.

Lithocolletis viburni Kumata

Kumata, 1963, Ins. Mats. 26: 42, f. 24 [Sikoku and Kyusyu. Host plants: *Viburnum erosum*, *V. wrightii* and *V. dilatatum*].

Material examined: 5♂♂ & 1♀, 1–7/VII, 1965, Sasayama, Hyôgo-ken, Honsyu, ex *Viburnum erosum*.

Lithocolletis lyoniae Kumata

Kumata, 1963, Ins. Mats. 26: 38, f. 22 [Sikoku and Kyusyu. Host plants: *Lyonia ovalifolia* var. *elliptica*].

Material examined: 2♂♂ & 1♀, 2–6/VII, 1965, Sasayama, Hyôgo-ken, and 1♂ & 1♀, 1–6/VI, 1964, Kii-Osima, Wakayama-ken, Honsyu, ex *Lyonia ovalifolia* var. *elliptica*.

Lithocolletis pulchra Kumata

Kumata, 1963, Ins. Mats. 26: 9, f. 6 [Kyusyu. Host plants: *Rubus illecebrosus*].

Material examined: 2♀♀, 8–9/VI, 1964, Kii-Osima, Wakayama-ken, Honsyu, ex *Rubus palmatus* var. *coptophyllus* (new host record).

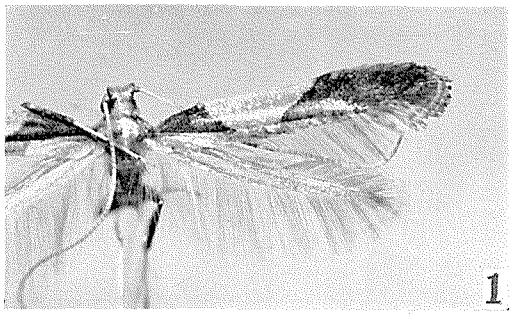
The preceding four species, *pygmaea viburni*, *lyoniae* and *pulchra*, are new to Honsyu.

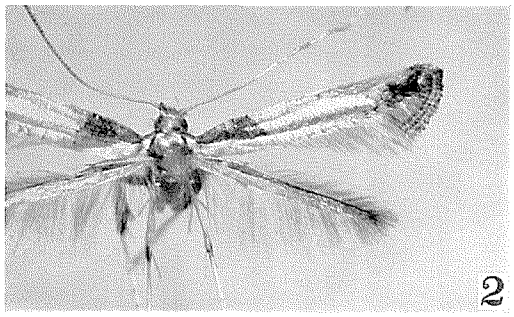
Ltihocolletis turugisana Kumata

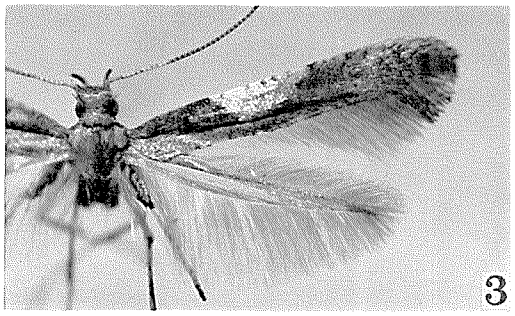
Kumata, 1963, Ins. Mats. 26: 45, f. 26 [Sikoku].

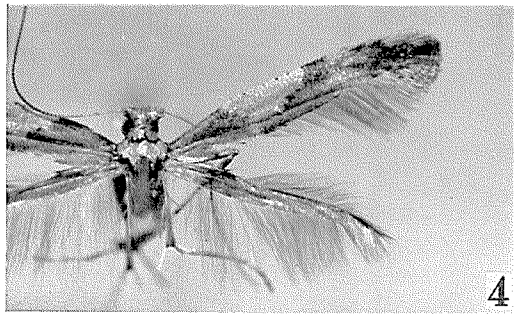
Material examined: 1♂, 17/V, 1956, Hikosan, Kyusyu, H. Kuroko leg.

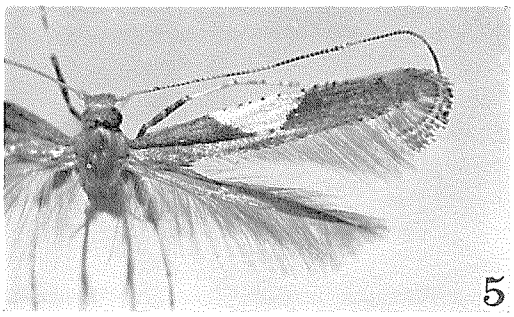
This species was originally described by a male. Through the kindness of Dr. H. Kuroko I have examined another male specimen collected from Kyusyu. The female of this species has not yet been described.

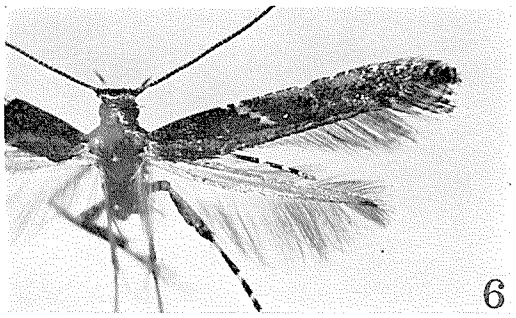

1

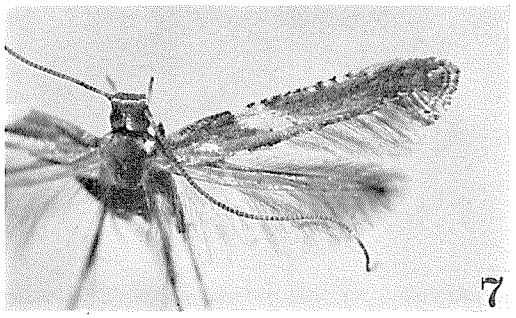

2


3

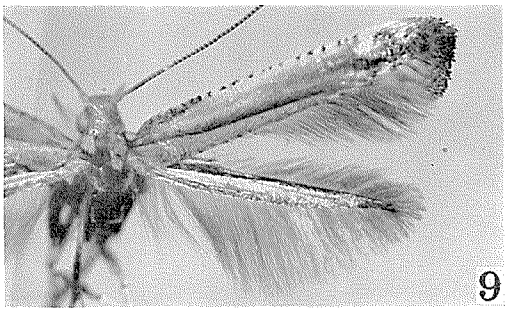

4

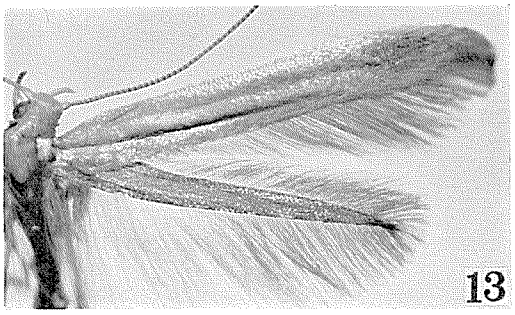

5

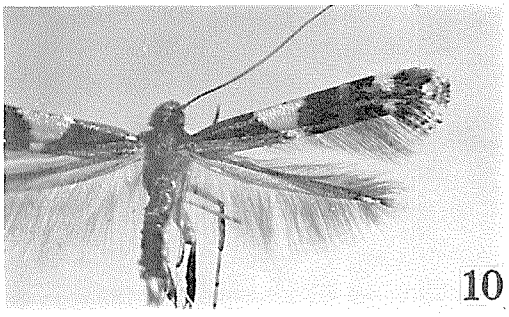

6

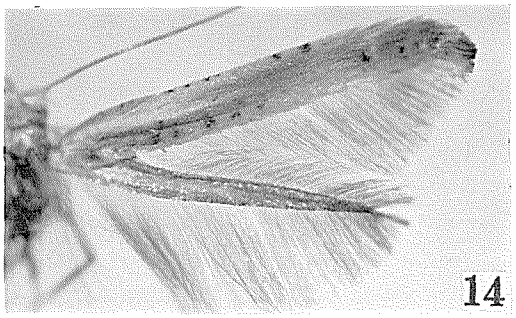

7

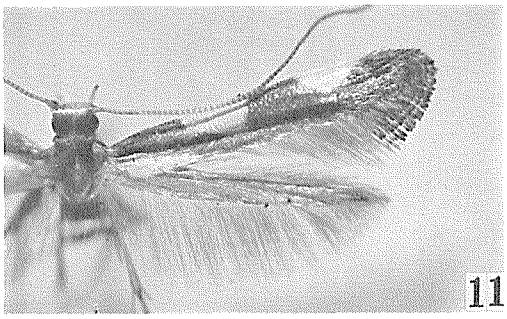
8

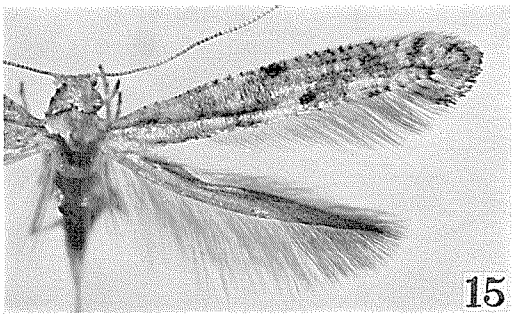

9

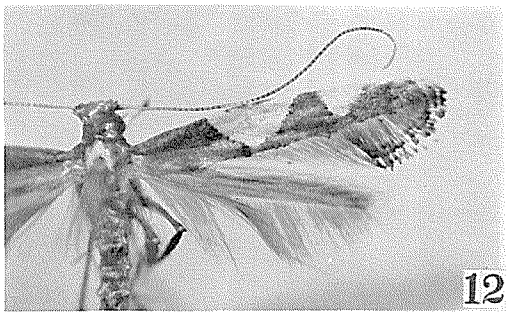

13

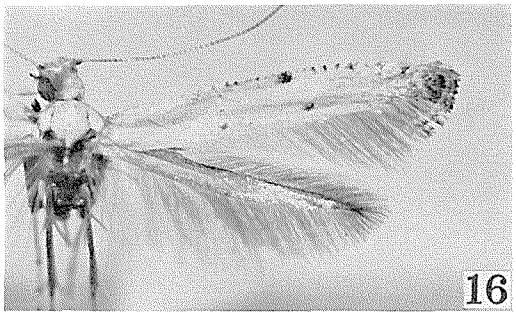

10

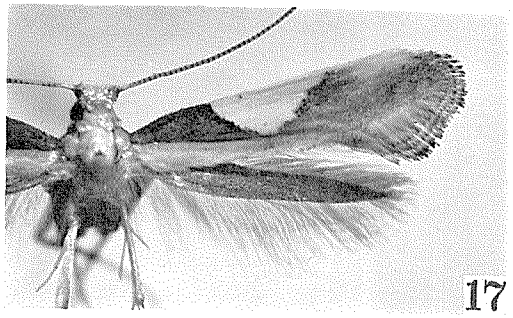

14

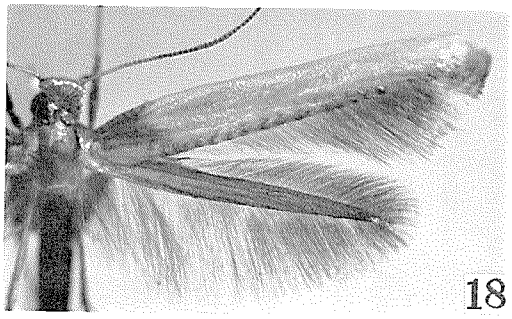

11

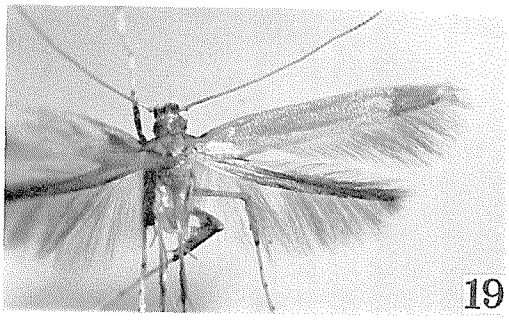

15


12

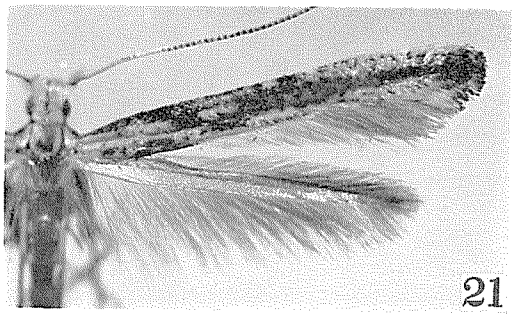

16

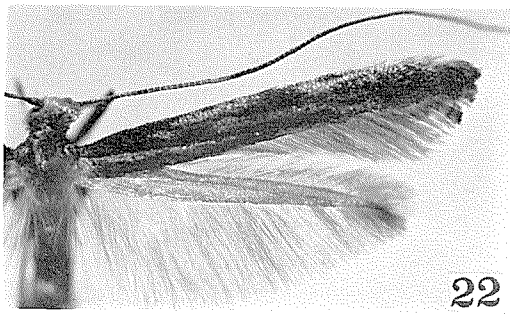

17

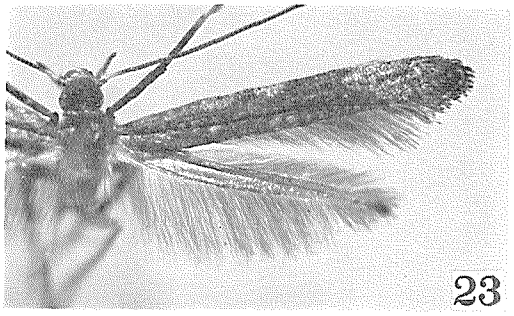

18

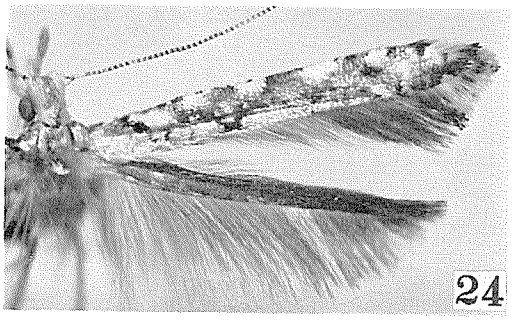

19

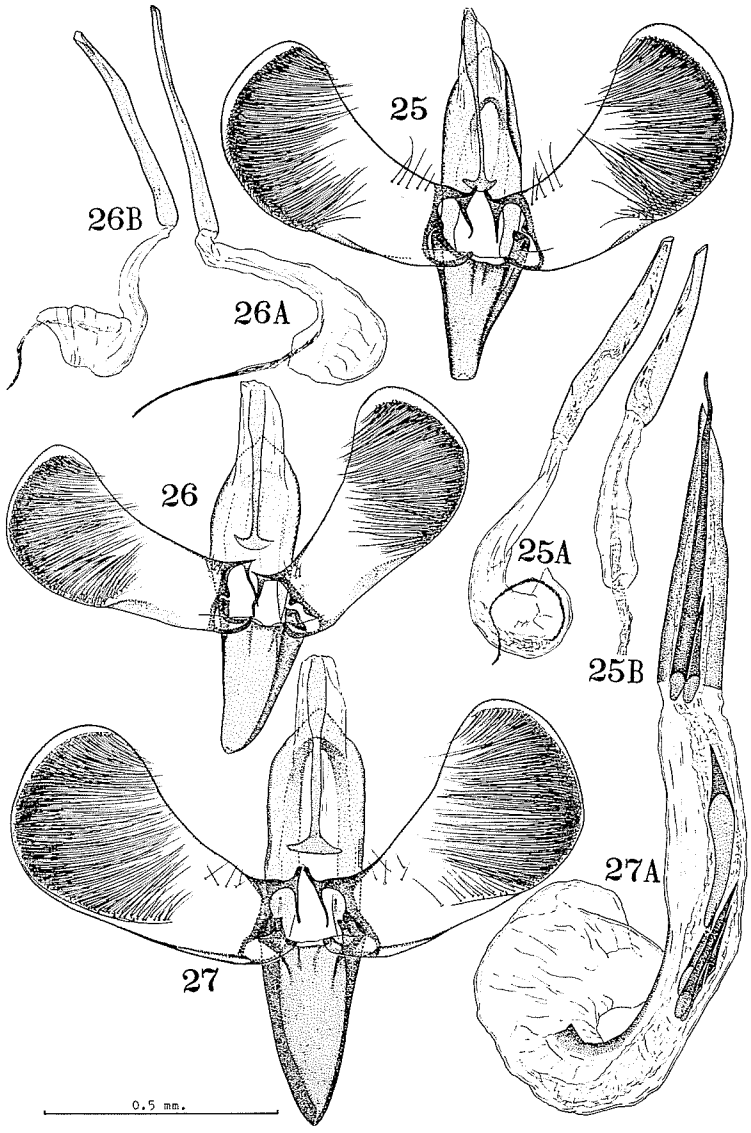
20

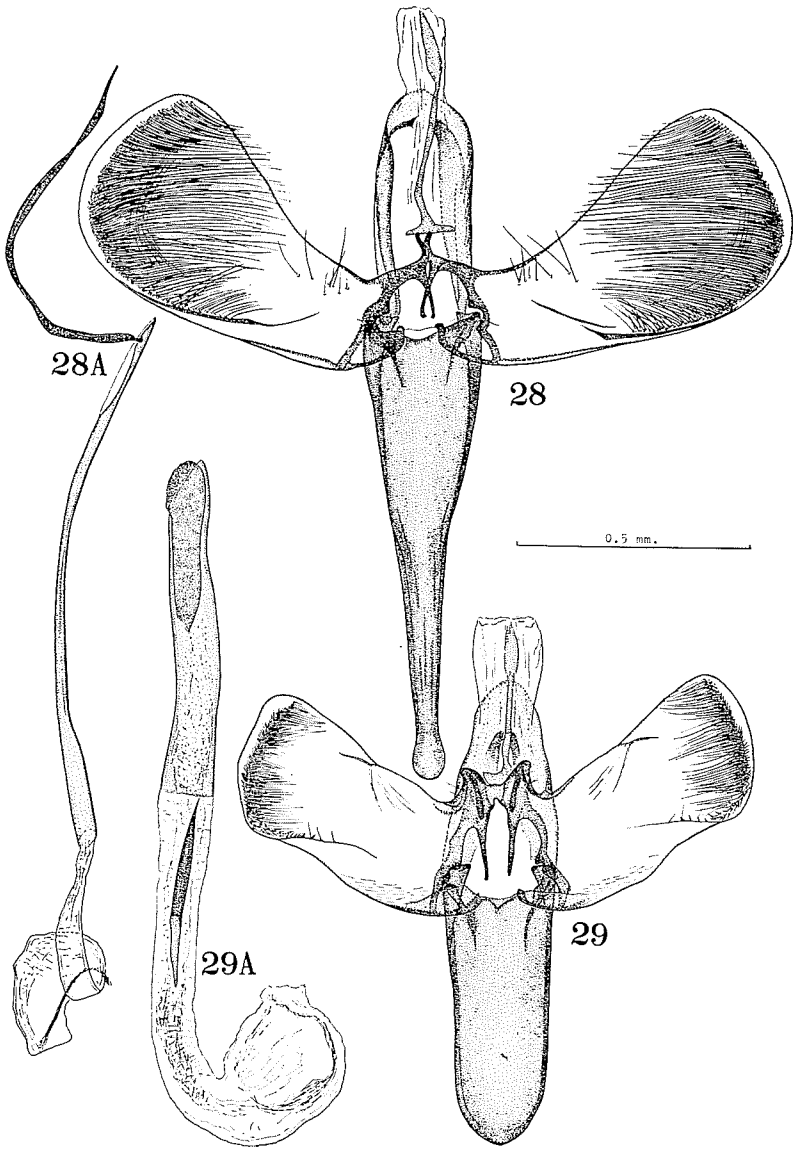

21

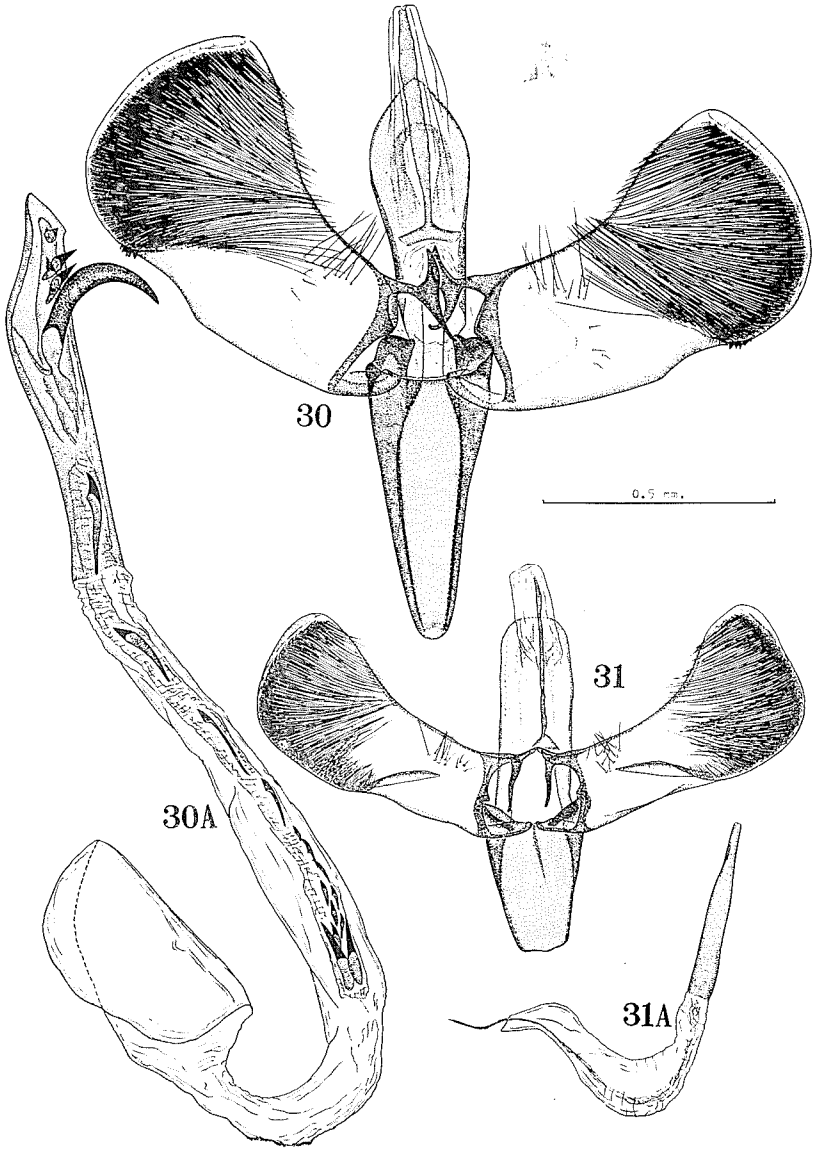

22

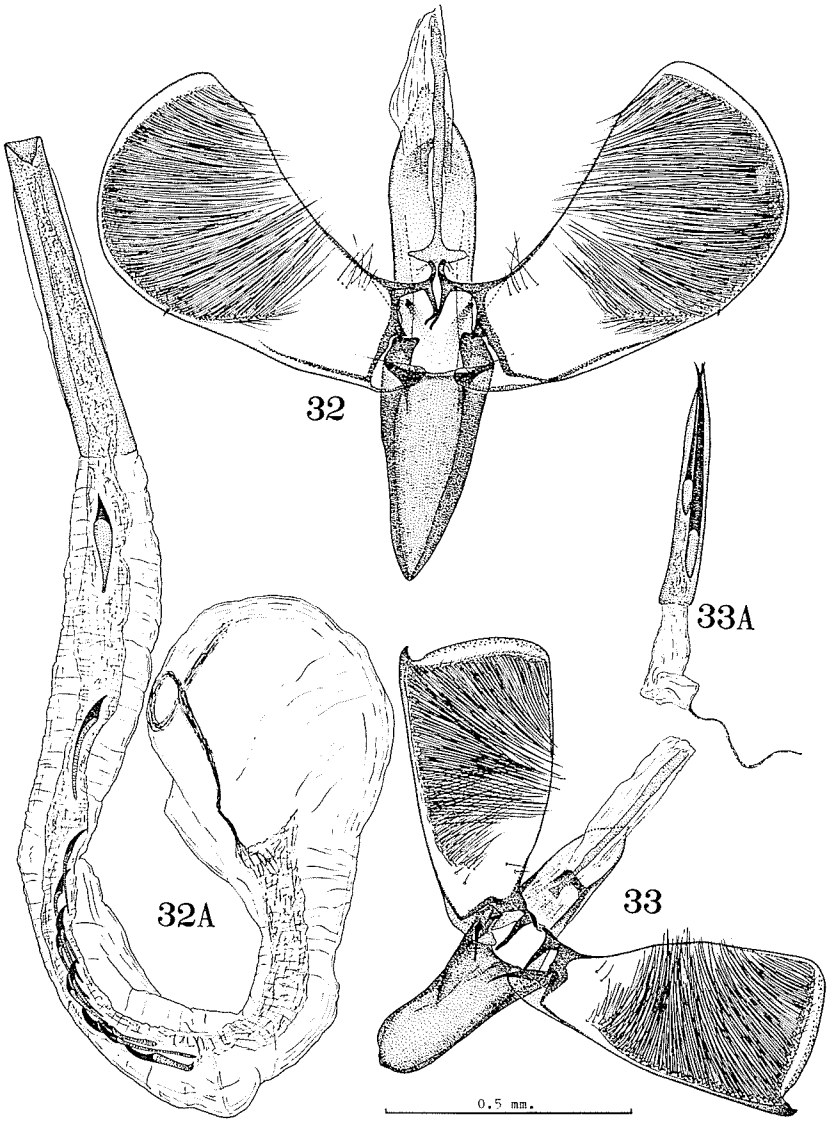

23

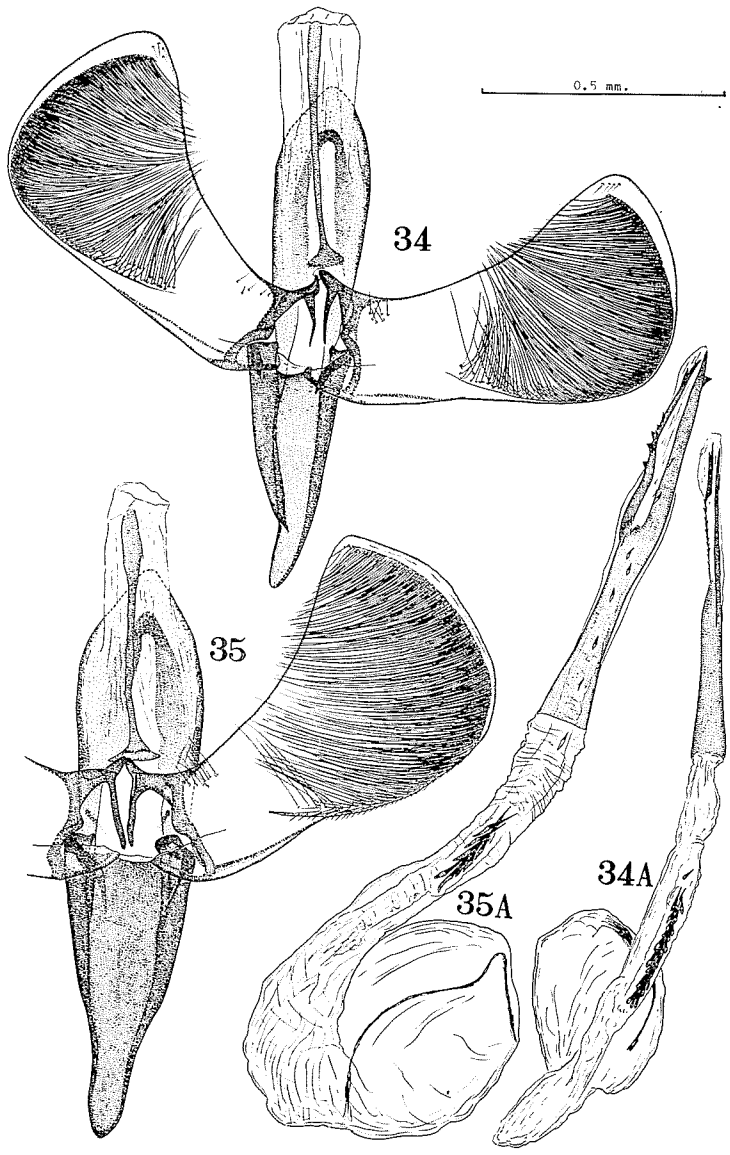

24

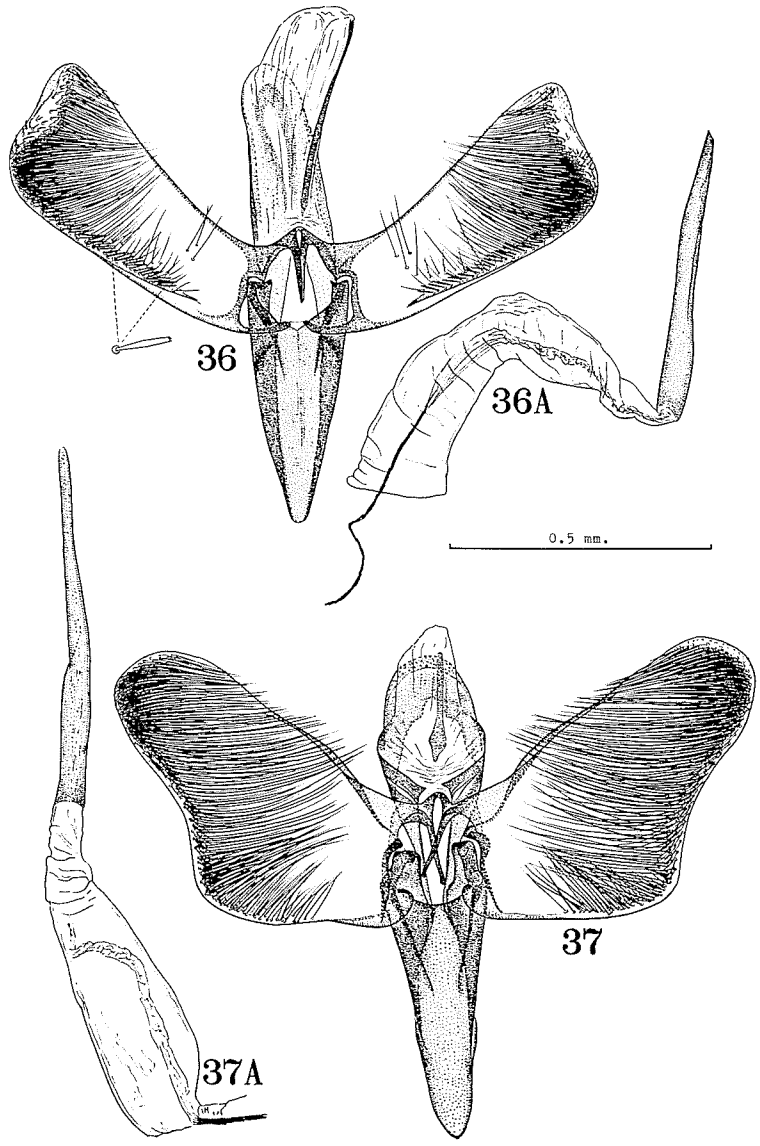

25
26B
26A
26
25A
25B
27A
27
0.5 mm.

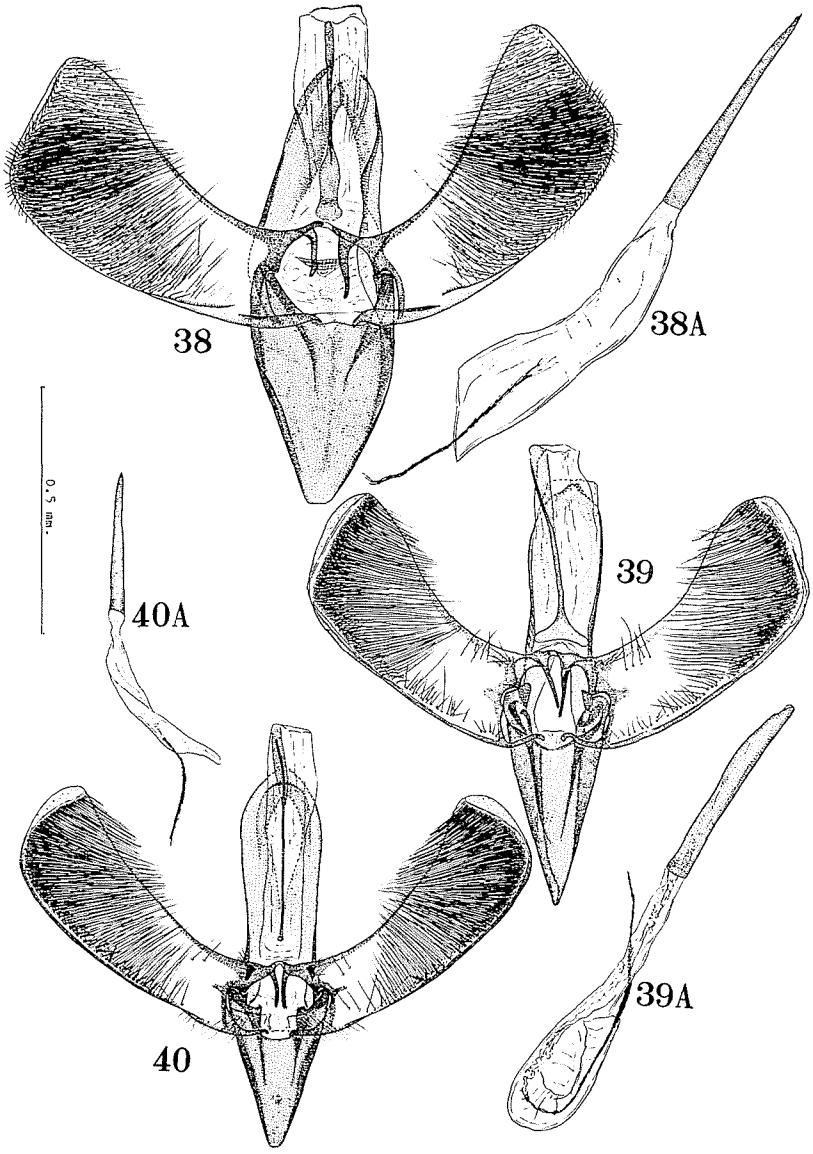

28A
28
0.5 mm.
29A
29

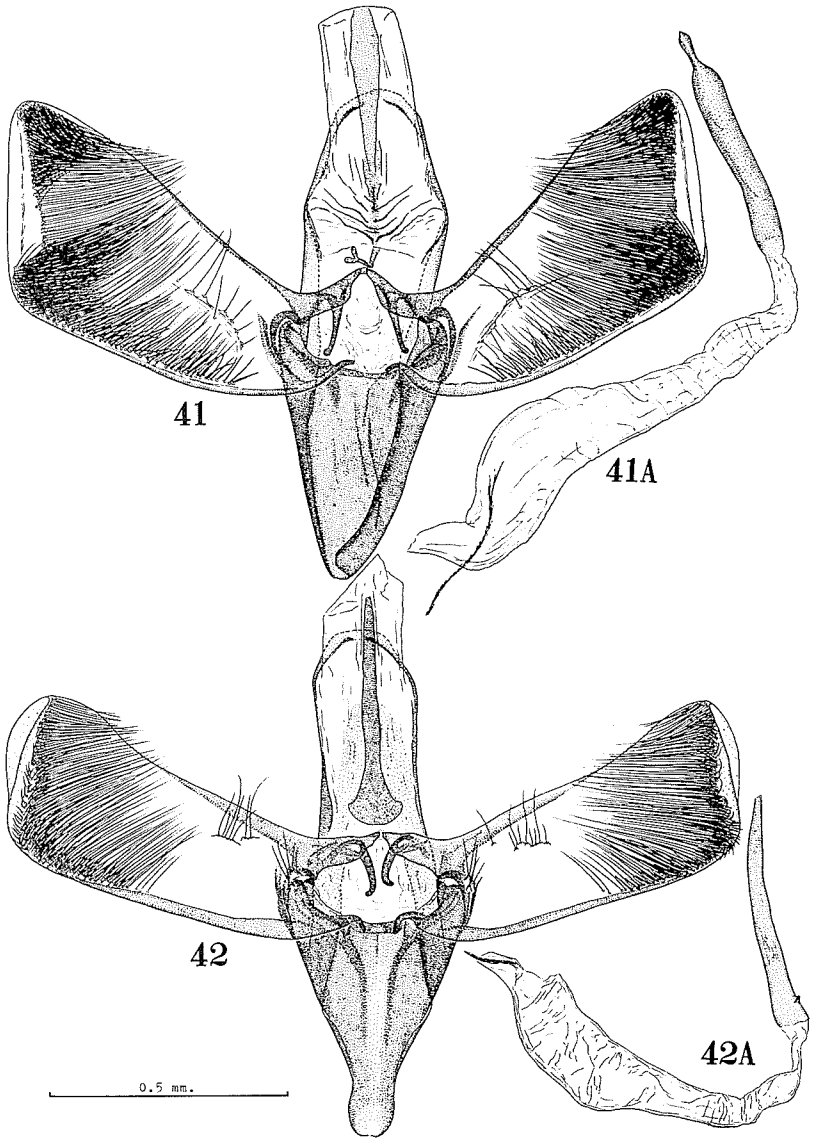

30
0.5 mm.
31
30A
31A

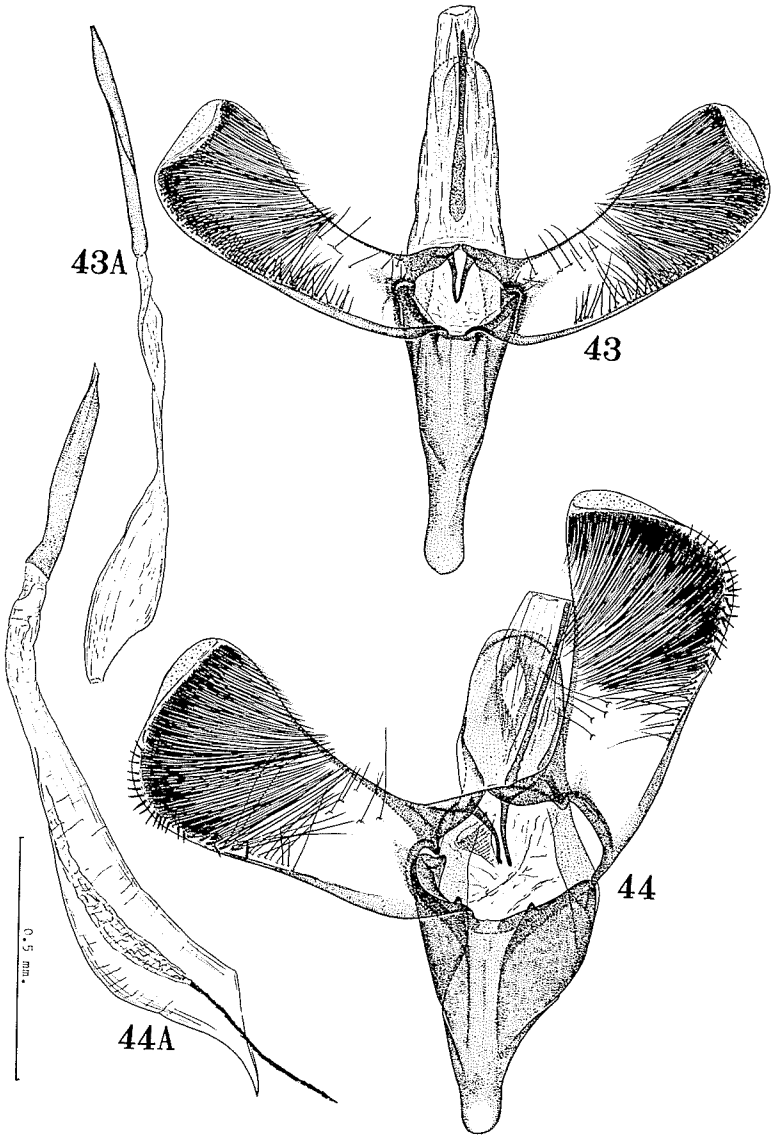

32
33A
32A
33
0.5 mm.

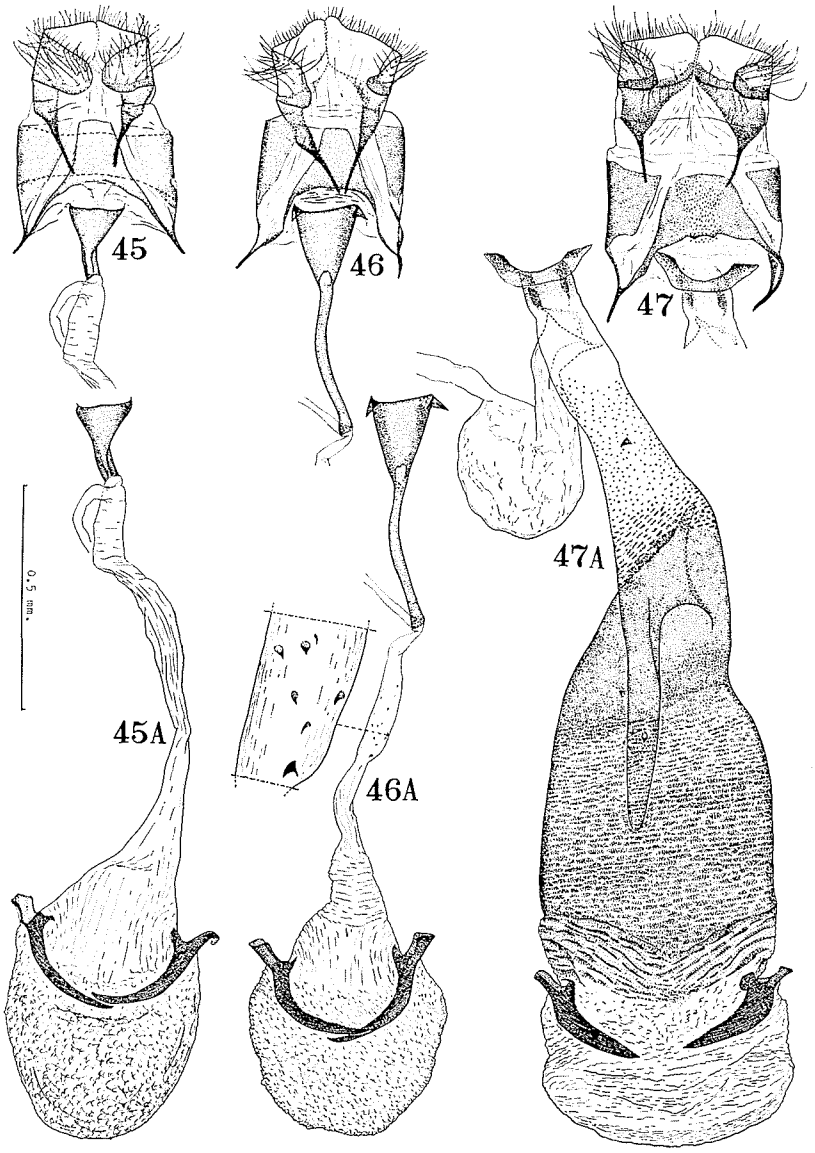

0.5 mm.
34
35
35A
34A

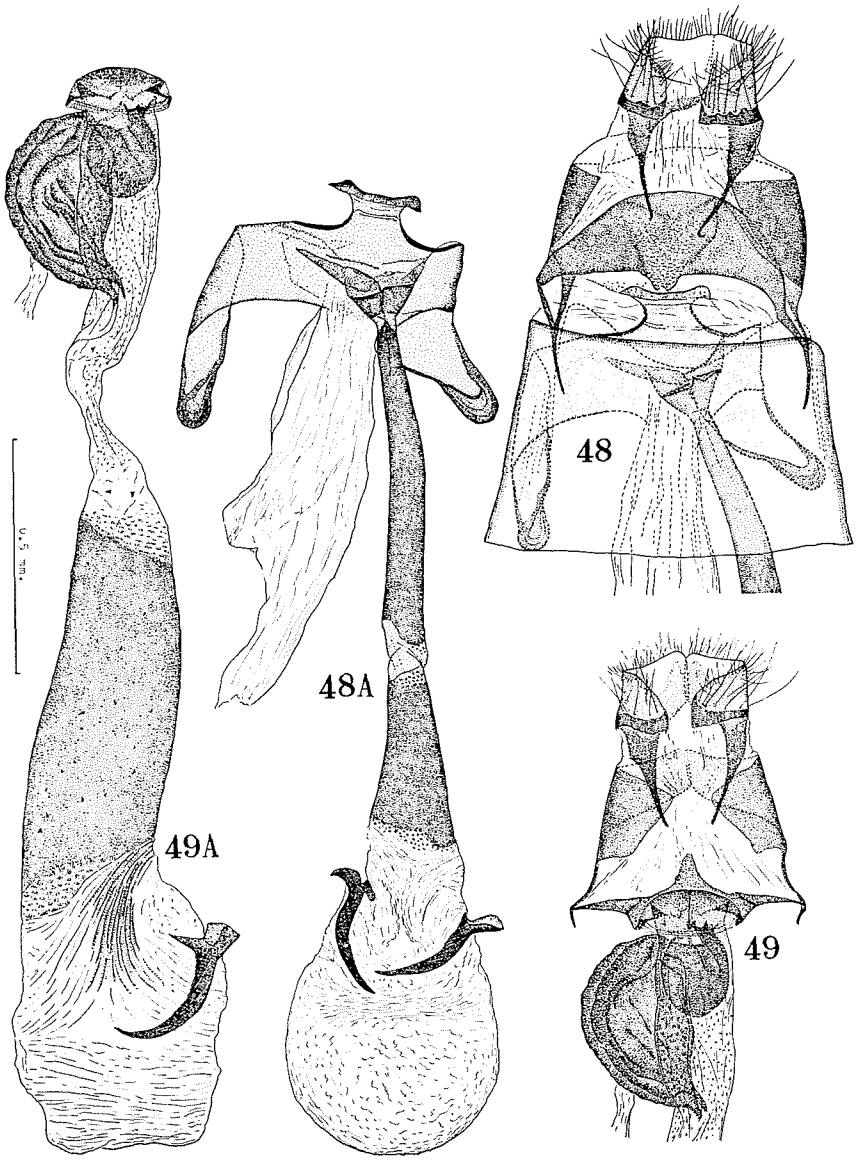

36
36A
0.5 mm.
37
37A

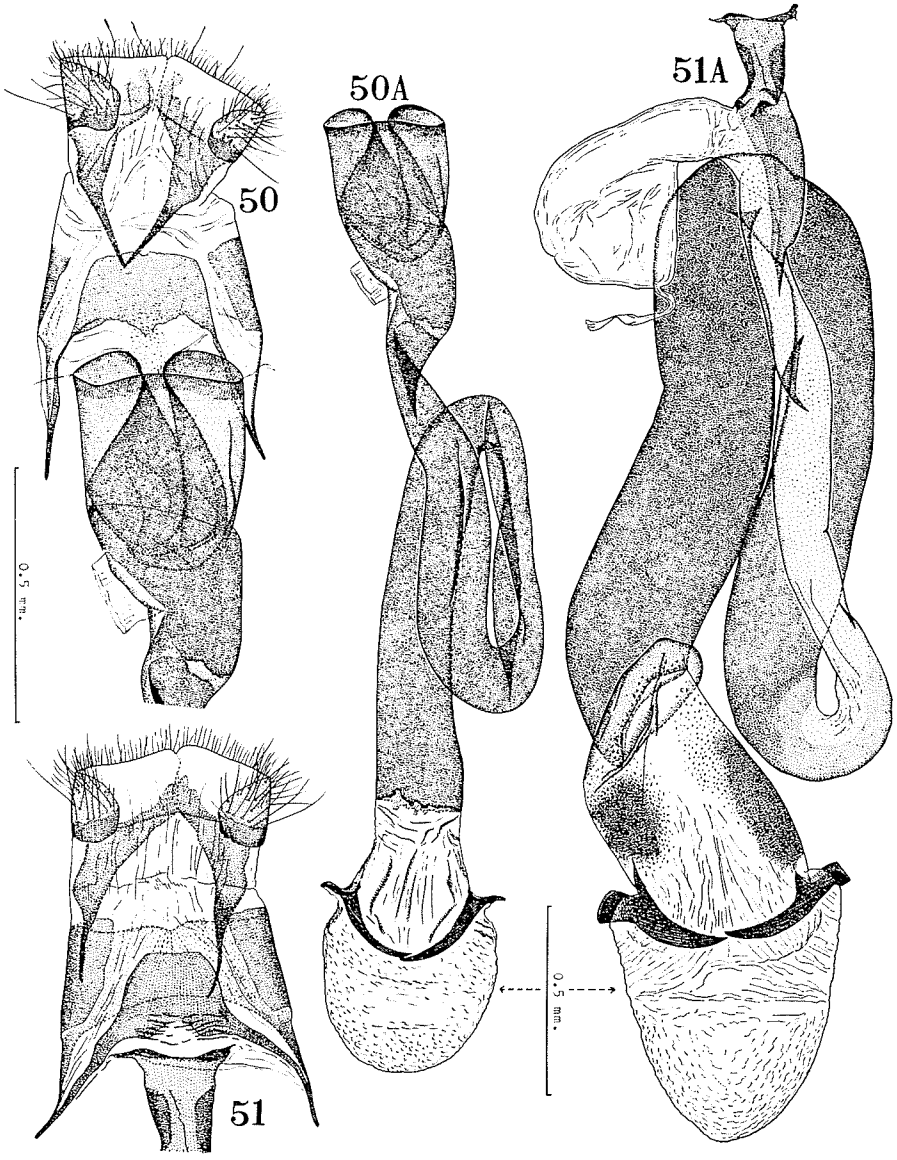

38
38A
0.5 mm
40A
39
39A
40

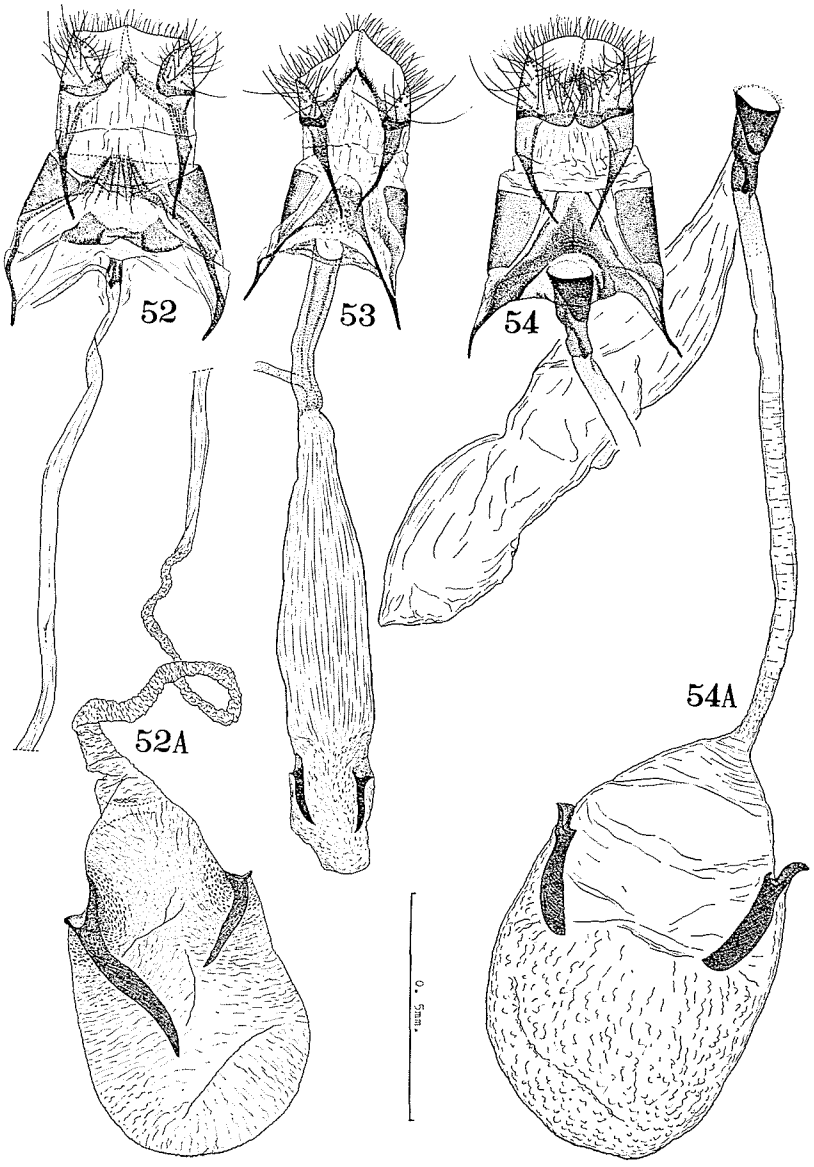

41
41A
42
42A
0.5 mm.

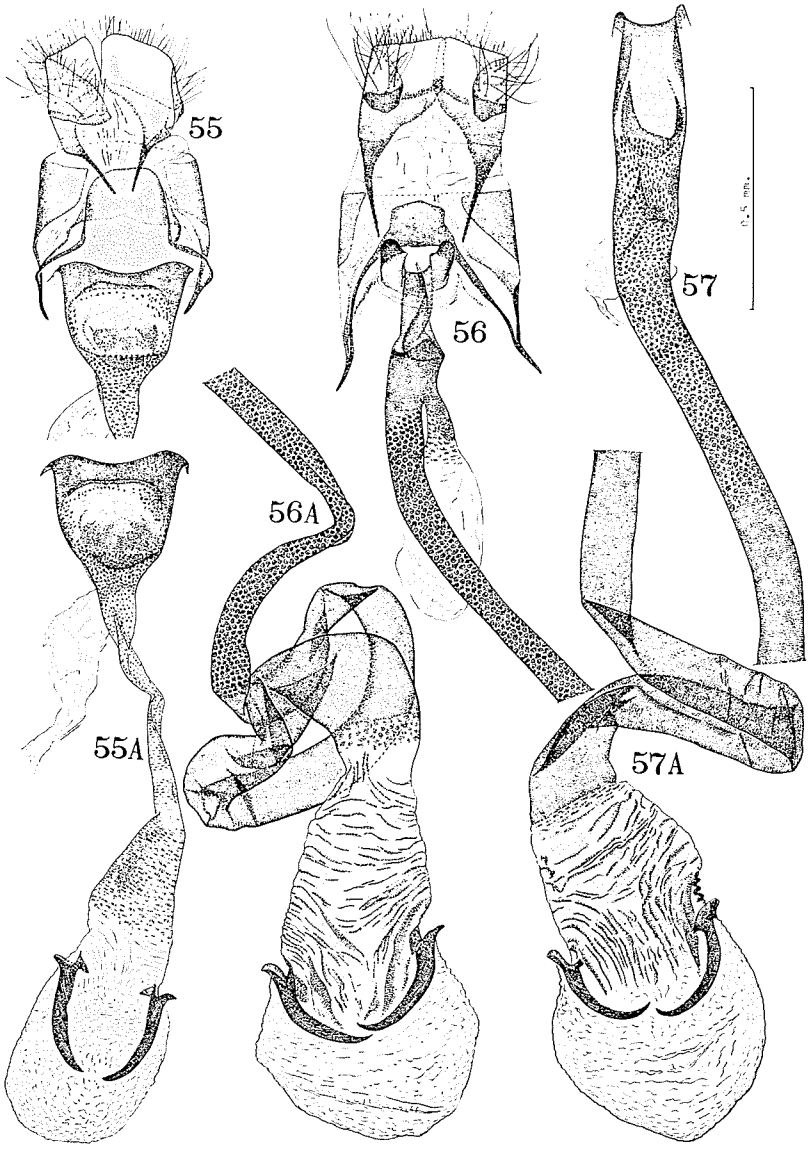

43A
43
44
44A
0.5 mm.

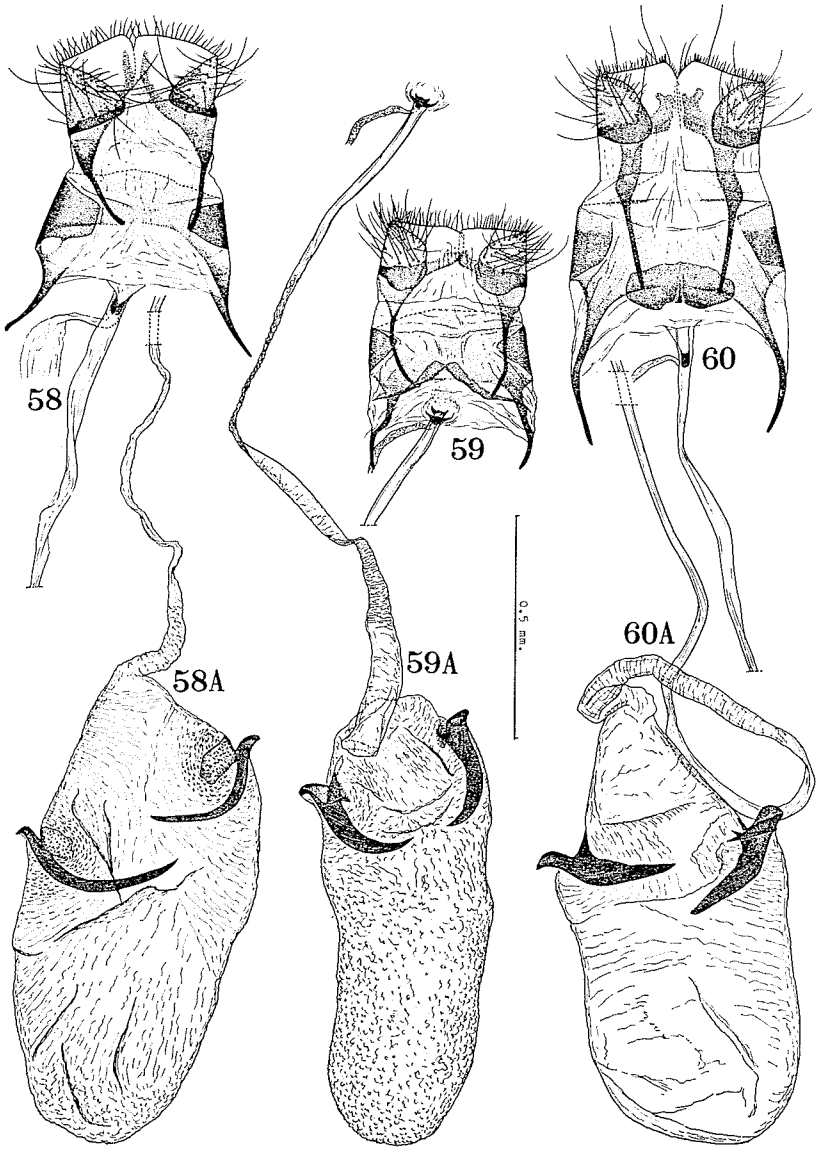

45
46
47
47A
0.5 mm
45A
46A

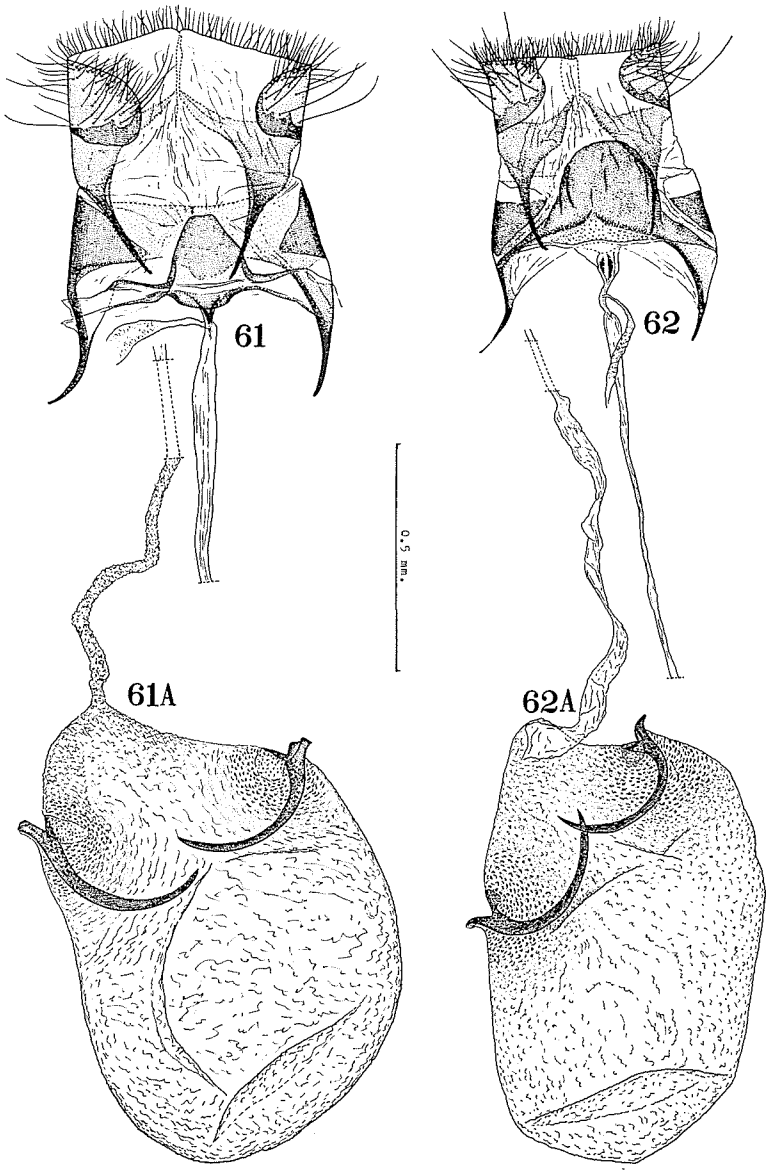

48
48A
49A
49

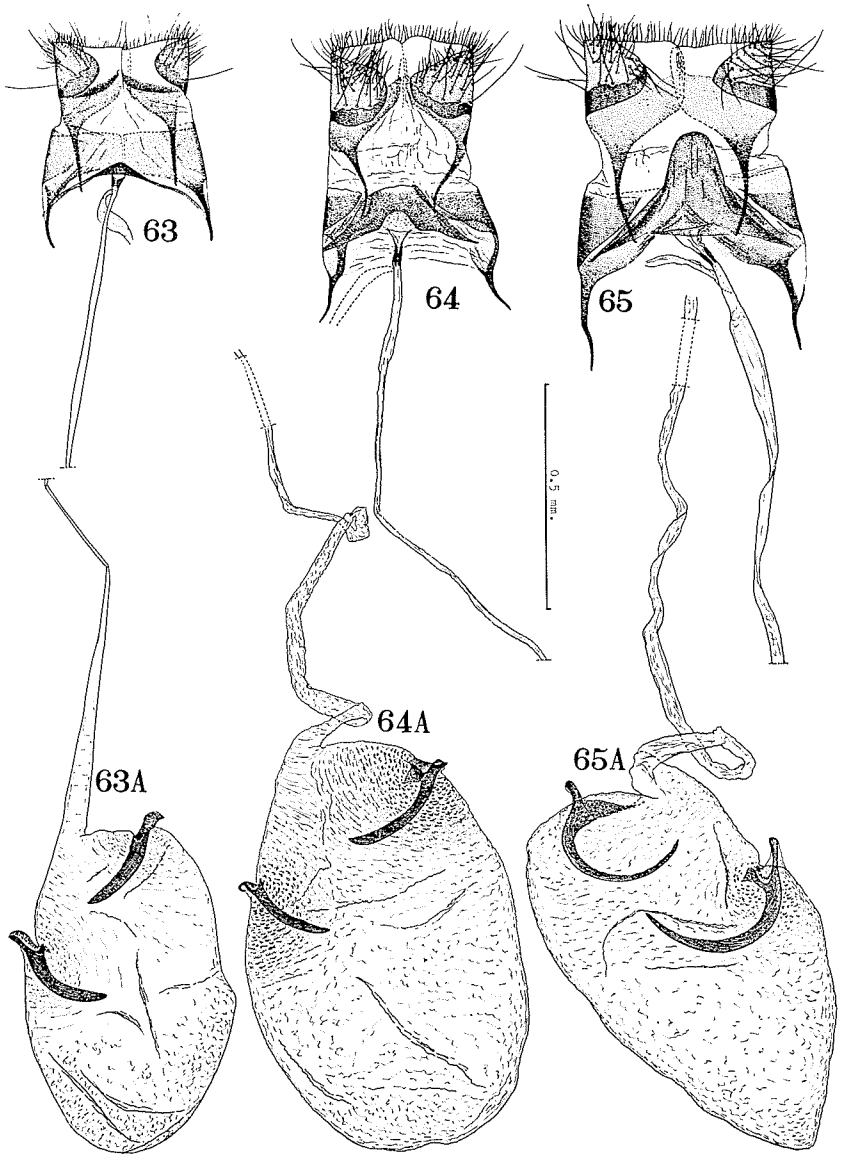

50
50A
51A
51
0.5 mm.
0.5 mm.


52
53
54
52A
54A
0.5mm.


55
56
57
0.5 mm.
56A
55A
57A


58
59
60
58A
59A
60A
0.5 mm.


61
62
0.5 mm.
61A
62A


63
64
65
0.5 mm.
63A
64A
65A

Errata

Vol. 26, No. 1, 1963, p. 19, line 13 from top; p. 26, line 5 from top; p. 36, line 11 from top; p. 37, line 5 from bottom; p. 41, line 15 from bottom; and p. 42, line 9 from bottom, for "hardly" read "strongly".

Vol. 29, No. 1, 1966, p. 4, line 9 from top and line 4 from bottom; p. 5, lines 11 and 12 from bottom; p. 6, line 23 from top; p. 12, lines 5 and 7 from bottom; and p. 16, line 11 from botttom, for "hardly" read "strongly".

Vol. 29, No. 1, 1966, p. 7, line 8 from top, for "borwn" read "brown"; p. 8, line 19 from top, for "Fig. 30" read "Fig. 32"; p. 13, line 15 from top, for "XVIII" read "XVII"; and p. 17, line 17 from bottom, for "posterior" read "anterior".

Vol. 29, No. 1, 1966, p. 22, line 6 from bottom, for "*Ltihocolletis*" read "*Lithocolletis*".

PRINTED BY
BUNYEIDO PRINTING CO., FOREIGN DEPT.
SAPPORO JAPAN