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MATERIALS FOR THE STUDY OF THE
NEUROPTEROID FAUNA
OF THE KURILE ISLANDS II

By

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(With 1 Text-figure)

Order TRICHOPTERA

Suborder Integrifalpia

Family Molannidae

1. *Molanna moesta* BANKS

Molanna moesta BANKS, Proc. Ent. Soc. Wash., VII, p. 110, Pl. III-figs. 5-6 (1906); ULMER, Deutsch. ent. Zeitsch., 1908, p. 347 (1908); KWAYAMA, Trans. Sapporo Nat. Hist. Soc., IX, p. 134 (1924); KWAYAMA, Icon. Ins. Jap., p. 1510, Fig. 2988 (1932).

Locality: Kunashiri (Nikishiro, 1 ♂ 1 ♀, 17-22. VII. 1935, T. UCHIDA); Etorofu (Rubetsu, 5 ♂ ♂, 2-10. VII. 1935, Y. SUGIHARA).

Distribution: Chishima, Karafuto, Honshu.

Trivial Name: *Hosoba-tobikera*.

Family Leptoceridae

2. *Mystacides azurea* LINNÉ

Phryganea azurea LINNÉ, Fauna Suec., ed. II, p. 380 (1761).

Mystacides azurea MACLACHLAN, Monog. Rev. & Syn. Trich. Eur. Fauna, p. 315, Pl. XXXIV (1877); IWATA, Dobutsu Zasshi, XXXIX, p. 244, Fig. 117 (1927); IWATA, Ann. Zool. Jap., XI, p. 211, Fig. 117 (1927); KWAYAMA, Ins. Mats., V, p. 56, Fig. 4 (1930); KWAYAMA, Icon. Ins. Jap., p. 1509, Fig. 2985 (1932).

Locality: Kunashiri (Nikishiro, 3 ♂ ♂, 17-22. VII. 1935, T. UCHIDA).

Distribution: Chishima, Hokkaido, Honshu, Shikoku; Europe.

Remarks: In addition to the above-mentioned examples, T. UCHIDA captured, at the same locality, many individuals which are now preserved as alcoholic examples.

Trivial Name: *Ao-higenaga-tobikera*.

Family **Limnophilidae****3. *Halesinus ussuriensis* MARTYNOV**

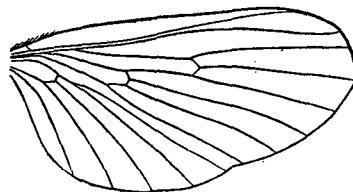
Halesinus ussuriensis MARTYNOV, Ann. Mus. Zool. Acad. Imp. Sci. Petrograd, XIX, p. 276, Figs. 89-91 (1914).

Locality: Kunashiri (Kinakai, 1♂ (without abdomen), 15. VIII. 1925, K. DOI; Furukamappu, 1♂, 29. VII. 1935, T. UCHIDA); Etorofu (Ôyama, 1♂, 24. VII. 1927, K. DOI); Uruppu (Kofune-minato, 1♀ (much damaged), 26. VIII. 1927; K. DOI).

Distribution: Chishima, Karafuto, Hokkaido; South Ussurian-land.

Remarks: This species is hitherto unknown to any other localities but Ussuri. I found, however, this in the collections from Chishima as well as those from Karafuto and Hokkaido. This fact suggests that this species is a septentrional representative of the East Asiatic genus *Halesinus*. As shown in the text-figure, the neuration of the posterior wing of the male much differs from that of the opposite sex, the discoidal cell and median cellule being open.

Trivial Name: *Atsuba-eguri-tobikera*.



Halesinus ussuriensis MARTYNOV
Neuration of the posterior wing of the male.

4. *Grammotaulius sibiricus* MACLACHLAN

Grammotaulius sibiricus MACLACHLAN, Monog. Rev. & Syn. Trich. Eur. Fauna, p. 40, Pl. V (1874); MACLACHLAN, ditto, suppl. II, p. 16, Pl. LIII (1880); MARTYNOV, Ann. Mus. Zool. Acad. Imp. Sci. Petrograd, XIX, p. 205 (1914); ULMER, Ark. Zool., XIX-A, № 8, p. 4 (1927).

Locality: Paramushiru (Musashi-wan, 1♀, 28. VII. 1935, K. HATSUMI, K. NISHI & K. ÔTA; Kabari-saki, 1♀, 1. VIII. 1935, K. HATSUMI, K. NISHI & K. ÔTA; Kashiwabara-wan, 1♂, 19. VIII. 1935, K. HATSUMI, K. NISHI & K. ÔTA).

Distribution: Chishima; Kamchatka; Eastern Siberia; Europe (Northern Russia).

Remarks: UENO¹⁾ recently recorded the larva and pupa of *Grammotaulius* sp. captured in Paramushiru and Shumushu Islands.

Trivial Name: *Kita-aya-tobikera*.

5. *Glyphotaelius mutatus* MACLACHLAN

Glyphotaelius mutatus MACLACHLAN, Ann. Soc. Ent. Belg., XV, p. 60, Pl. I-fig. 12 (1872); MACLACHLAN, Monog. Rev. & Syn. Trich. Eur. Fauna, p. 43, Pl. V (1874); MARTYNOV, Rev. Russe

1) Bull. Biol. Soc. Jap., IV, p. 192, Pl. XVIII-F & G (1933).

d' Ent., XIII, p. 480 (1913); MARTYNOV, Ann. Mus. Zool. Acad. Imp. Sci. Petrograd, XIX, p. 175, Figs. 1-2 (1914); ULMER, Ark. Zool., XIX-A, No. 8, p. 4 (1927).

Locality: Kunashiri (Tōfutsu, 1♂ 1♀, 5-6. VIII. 1925, K. DOI).

Distribution: Chishima, Karafuto; Kamchatka; Eastern Siberia.

Trivial Name: *Kogata-eguri-tobikera*.

6. *Halesus sachalinensis* MARTYNOV

Halesus sachalinensis MARTYNOV, Ann. Mus. Zool. Acad. Imp. Sci. Petrograd, XIX, p. 236, Figs. 45-47 (1914).

Phacopteryx jesoenensis MATSUMURA, 6000 Illus. Ins. Jap.-Emp., p. 1125, 1 fig. (1931).

Locality: Uruppu (Tokotan, 1♂, 27. VIII. 1927, K. DOI; 1♂, 14. IX. 1927, ITAGAKI).

Distribution: Chishima, Karafuto, Hokkaido.

Trivial Name: *Yumi-mon-tobikera*.

7. *Dicosmoecus flavus* MARTYNOV

Dicosmoecus sp., MARTYNOV, Rev. Russe d' Ent., XIII, p. 477 (1913); MARTYNOV, Ann. Mus. Zool. Acad. Imp. Sci. Petrograd, XIX, p. 253 (1914).

Dicosmoecus flavus MARTYNOV, Ann. Mus. Zool. Acad. Sci. USSR, 1925, p. 15, Figs. 2-3 (1925); ULMER, Ark. Zool., XIX-A, No. 8, p. 5, Figs. 1-4 (1927).

Locality: Shumushu or Shumshir I. (Jōgasaki, 2♂ 8, 8. VIII. 1926, K. DOI; Bettobu, 1♂ 1♀, 14-15. VIII. 1926, K. DOI).

Distribution: Chishima; Kamchatka.

Remarks: This species originally described on the examples from Kamchatka, is also found in the northern Kuriles. While he did not touch this species, UENO¹⁾ found many larvae and pupae of the related species *Praecosmoecus kamtchaticus* MARTYNOV in the brooks of Paramushiru and Shumushu.

Trivial Name: *Kuro-ten-eguri-tobikera*.

8. *Asynarchus amurensis* ULMER

Linnophius amurensis ULMER, Stett. ent. Zeit., LXVI, p. 8, Pl. I-figs. 4 & 5 (1905); ULMER, Coll. Zool. Edm. Selys. Longs., VI (1), p. 19, Figs. 28 & 29, Pl. I-fig. 5 (1907); NAKAHARA, Dobutsu. Zasshi, XXVI, p. 350, Fig. 12 (1914); NAKAHARA, Canad. Ent., XLVII, p. 94 (1915); NAVÁS, Rev. R. Acad. Cienc. Ex., Fis. y Nat., Mad., XVIII, p. 163 (1919); KUWAYAMA, Trans. Sapporo Nat. Hist. Soc., IX, p. 132 (1924); KUWAYAMA, Icon. Ins. Jap., p. 1506, Fig. 2979 (1932).

Asynarchus amurensis MARTYNOV, Ann. Mus. Zool. Acad. Imp. Sci. Petrograd, XIX, p. 214, Figs. 25-28 (1914).

Locality: Etorofu (Shana, 1♀ (without abdomen), 27. VII. 1927. K. DOI).

Distribution: Chishima, Karafuto, Hokkaido, Honshu; Siberia.

Remarks: In 1914 MARTYNOV separated the Karafuto examples from this species and described them under the name of *A. sachalinensis*. He also

1) l. c., p. 192, Fig. 12.

noted that "from the short ULMER's description of a female (*A. amurensis*) from Japan it may be conclude, that this female belongs not to *A. amurensis*, but probably, to *A. sachalinensis*." On examination of a large series of the examples, I come to express the opinion that the separation between both species is quite unstable. So, in this paper, I reserve the name *A. amurensis* on the Japanese examples.

Trivial Name: *Amur-tobikera.*

NEW SPECIES OF INSECTS FROM JAPAN DESCRIBED DURING THE YEAR 1935*

HYMENOPTERA

MICKEL, C. E.: The Mutillid Wasps of the Islands of the Pacific Ocean (Hymenoptera; Mutilidae) (Trans. Ent. Soc. London, LXXXIII, pp. 177-312).

Cystomutilla (?) teranishii, p. 196; Smicromyrme lewisi lewisi (nom. n.), p. 288; S. lewisi nigricula (n. subsp.), p. 289; S. lewisi yanoi (n. subsp.), p. 289.

MIWA, Y. et SONAN, J.: Taiwansan Hariganemushi ni kisei suru Arigatabachi no 1 Shinshu (Description of a new species of the Genus Pristocera parasitic on the larvae of Elateridae from Formosa) (Trans. Nat. Hist. Soc. Formosa, XXV, pp. 90-92).

Pristocera formosana, p. 91.

_____: Description of a new Egg-parasite of Melanauster chinensis FORST. from Formosa (Trans. Nat. Hist. Soc. Formosa, XXV, pp. 406-407).

Aprostocetus fukutai, p. 406.

SONAN, J.: Descriptions of two new Species of the Family Vespidae (Trans. Nat. Hist. Soc. Formosa, XXV, pp. 370-372).

Vespa matsumurai, p. 370; V. esakii, p. 371.

YASUMATSU, K.: The Genus Pison SPINOLA of the Japanese Empire (Hymenoptera, Trypoxyionidae) (Ann. Zool. Japon, XV, pp. 227-238).

Pison strandi, p. 231; P. iwatai, p. 233; P. tosawai, p. 234.

_____: Notes on some Hymenoptera collected by Mr. C. TAKEYA on Sado Island with Descriptions of two unrecorded Megachile-species from Japan and Amami-Oshima Island (Fukuoka Hakubutsu Zasshi, I, No. 6, pp. 384-389).

Megachile (Chelostomoides) esakii, p. 387.

_____: Two new Eumenidae from Tsushima and Formosa (Mushi, VIII, pp. 86-89).

Rhynchium flavopunctatum SMITH f. tsushimaicum (n. f.), p. 86; Ancistrocerus esakii, p. 86.

_____: The Oxybelidae of Japan and Korea (Hymenoptera) (Trans. Sapporo Nat. Hist. Soc., XIV, pp. 38-41).

Oxybelus strandi, p. 39.

* Insects described in this magazine are omitted.