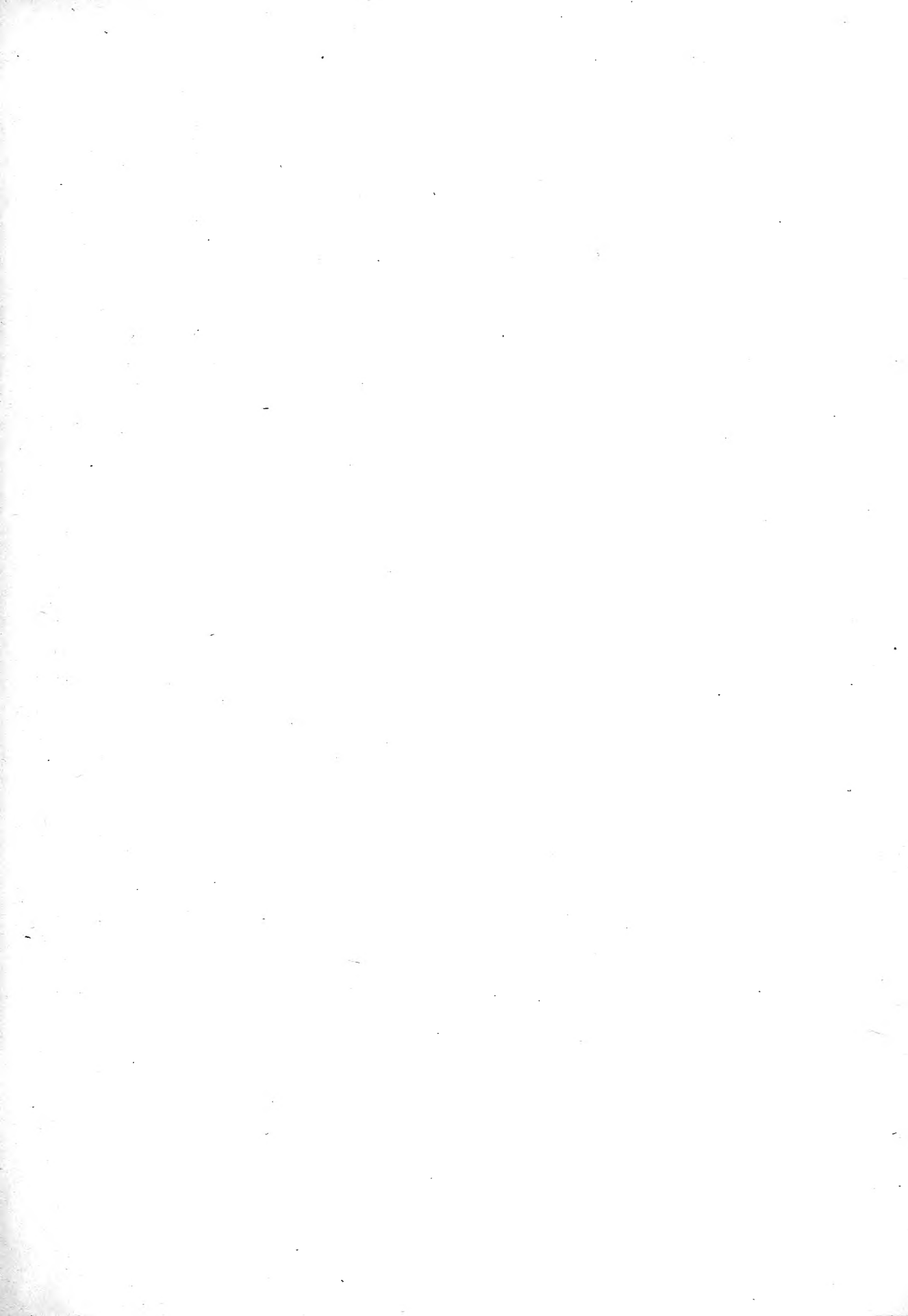




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新日本千蟲圖解

Shin Nihon
senchū zushi

卷之二

UNITED STATES
DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

1914
No. 1000
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新日本千蟲圖解卷之貳

凡例

- 一、本書ニ記載セルモノハ全部双翅目(蠅類)ニシテ食蚜蠅科六十八種、眼蠅科八種、長吻虻科十四種、食蟲虻科四十三種、劍虻科三種、鵝虻科九種、舞蠅科四種、臭虻科一種、木虻科三種、水虻科十種、長脚蠅科一種、鎗翅蠅科一種、蚤蠅科一種、小頭虻科二種、頭虻科一種、虻科四種、擬虻科一種、家蠅科四十四種、蠶蠅科五種、毛蠅科一種、蚊蠅科一種、網蚊科一種、蚊科一種、搖蚊科一種及ビ大蚊科二十二種合計二百四十九種ナリ、
- 二、本書ニ記載セルモノニシテ學術界ニ發表セラレタルモノハ僅ニ六十種ニシテ殘部百八十九種ハ則チ新種ナリ、又全部記載セル屬ハ百五十八ニシテ其内十八屬ハ新屬ナリ、蓋シ此方面ノ研究ハ新鮮ナル標本ヲ要スルヲ以テ他國學者ノ手ヲ付シ能ハザリシニ起因スルモノト云フベシ、
- 三、本書ハ本邦及ビ臺灣ニ産スル大形ノ蠅類ヲ網羅シタル積ナリ、然レドモ圖書ニヨリテ識別ニ困難ナルモノハ爰ニ記載セズ、
- 四、本邦ノ双翅目ヲ研究シタル重ナル双翅學者ハ塊ノれーぶ(Loew)佛ノびごー(Bigo)及ビ米ノこぎれつこ(Coquillett)ノ三氏ニシテ其他東洋一圓ニ涉リテ研究セルモノニハ其著者少ナカラザレドモ今ヤ爰ニ枚擧スルノ餘白ヲ有セズ他日發表スルノ時期アルベシ、
- 五、此書編纂ニ當リ野平安藝雄、鈴木元治郎(京都)、故芝川又之助(大阪)及ビ平山修次郎(東京等)ノ諸氏

ハ多數ノ標本ヲ贈與セラレタルヲ以テ爰ニ深謝ス、

六、本書ノ圖書ハ東北帝國大學農科大學助手大國督氏ノ健筆ニ成ルモノナレバ爰ニ謝意ヲ公表ス、

於東北帝國大學農科大學昆蟲學教室

松 村 松 年 識

大正五年四月三日

新日本千蟲圖解 卷之貳

東北帝國大學農科大學教授理學博士 松村 松年 著

(251) はちもごきはなあぶ

學名 *Ceria pleuralis* Coq.

昆蟲學上ノ地位 食蚜蠅科 (Syrphidae)

體ハ黒褐、觸角砧ノ基部、末端並ニ第二觸角節末端ノ内側ハ褐色、角片ハ黄色ニシテ第三節ノ半ニ達セズ、顔ハ黄色、頰、顔ノ中央ニアル一縦條及ビ觸角砧下ノ一横條ハ褐色、口吻ハ太クシテ前肢ノ基節ニ達ス、胸部ハ稍々正方形ヲ呈シ、肩部ニ一黄紋アリ、褐色ノ短毛及ビ微小ノ小點刻多シ、稜狀部ノ後縁ハ黄色、翅廣ク、少シク尾端ヲ越へ、暗色、半透明ニシテ、外縁ニ稍々三角形ヲナセル透明部アリ、内縁角ニ近キ後縁ハ少シク淡色ナリ、平均棍ハ黄色、鱗狀瓣ハ汚白色、腹部ノ基部ハ細ク溢レ恰モ細腰蜂ノ觀アリ、第二、第三及ビ第四節ノ後縁ハ黄色ニシテ、第四節ニアルモノハ細シ、脚黄褐、腿節及ビ脛節ノ中央ハ少シク暗褐ヲ帶ブ、體長(♂)五分五厘―七分、開張一寸一分、稀ナルガ如シ、分布―本州(播州大山寺)、

第十六圖(1) (♀)

(附言) こきれつと氏ハ此種ヲ *Sphiximorpha* 屬ニ編入シ居ルモ元來此種ノ第二腹節ハ太ク且ツ觸角砧ハ初メノ二節ヲ合シタルモノヨリ短カキヲ以テ明ニ *Ceria* 屬ニ隸スルモノナリ、

(252)

ほりしやはちもごきはなあぶ

第十六圖 (2) (♂)

學名 *Sphiximorpha horishana* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、觸角砧ハ長クシテ第一及ビ第二節ヲ合シタルモノト畧同長、第三節ハ褐色、(角片ハ缺如スルヲ以テ不明)、顔ハ黄色、中央ノ一縦條ハ黑色ニシテ前端ニ達セズ、頬ハ暗褐、肩部ノ一紋、横溝ノ兩側ニアルー紋及ビ側片ニアル三紋ハ黄色、稜狀部ハ黄色、中央ニ稍々圓形ノ一黒紋アリ、翅ハ第三腹節ノ末端ニ達シ、暗褐、半透明、脈ハ褐色、後縁ハ少シク淡色、腹部ノ第二節ハ褐色ニシテ、糸狀ヲ呈シ、後縁ノ太キ部分ハ黑色、後縁ハ黄色、第一節基部ノ兩側ニ二黄紋アリテ、前方ニアルモノハ少シク突出ス、之レニ細キ白毛ヲ裝フ、第三節ノ後縁ハ黄色、兩側ニテ紋狀ニ擴ガル、第四節ノ後縁モ亦黄色ナリ、腹面ニテハ第二及ビ第三節ノ後縁ノミ黄色、脚ハ黒褐、腿節ノ中央黄色、腿節ノ末端、脛節ノ兩端及ビ跗節ノ基部ハ栗色、體長(♂)七分五厘、開張一寸二分、臺灣埔里社ニ捕獲セルモノナルガ稀ナルガ如シ、

分布—臺灣(埔里社)、

Sphiximorpha horishana n. sp. (Pl. XVI, Fig. 2, ♂).

♂ Black. Antennal-process black, underside brown, as long as the first and second antennal joints taken together, the third joint castaneous brown (stylus broken), somewhat shorter than the second joint. Face yellow, with very fine white hairs, in the middle with a longitudinal black vitta, which tapering towards the tip and not reaching to the anterior margin, cheeks dark brown. Proboscis brown. Thorax at the anterior margin somewhat narrower. A spot on humerus, a spot on each side of the suture, 3 spots on the pleural region, scutellum (middle spot being black), 2 spots at the basal sides of the first abdominal segment, each hind margin of the second, third and fourth segments, as well as a middle spot of each femur, citron yellow. Thorax very fine punctulated and very fine tawny pubescent. Wings brownish, subhyaline, veins brown, at the hind margin paler. Halteres yellow. Abdomen narrow^u at the base, the second segment nearly linear, brown, above somewhat darker, enlarged portion of the second segment black; a yellowish band of the third segment on each side somewhat conically produced; with very fine tawny hairs. Legs dark brown, tips of femora, both ends of tibiae and basal part of each tarsus, brownish.

Length—♂ 23 mm., exp. 36 mm.

Hab.—Formosa (Horishan); one ♂ specimen collected by Mr. T. Takano.

(253) きんありすめぶ

第十六圖(♂)

學名 *Microdon auricomus* Coq.

昆蟲學上ノ地位 食蚜蠅科

體ハ黒綠色、頭縁青色、黄白色ヲ装ヒ、觸角ノ後方及ビ單眼ノ前方ニ少シク黒毛アリ、觸角ハ黒褐、雄ニテハ第一節、第二節ノ末端及ビ端刺ハ黄褐、雌ニテハ大部黒褐ニシテ第二節ノ末端及ビ端刺黄

褐ナリ、胸部ハ淡黄毛ヲ密生スレドモ中央ニハ黒毛ヲ混ゼリ、中央ニ三個ノ紫色縦條アリテ、各條ノ兩側ハ虹様ノ黄銅色ヲ帶ブ、稜狀部ノ黄毛ハ長ク且ツ密ナリ、翅透明、少シク褐色ヲ帶ビ、中室外ノ脈ハ多少褐色ヲ以テ縁取ラル、平均棍ハ黄色、腹部ハ金色ノ軟毛ヲ密生シ、雄ハ第二及ビ第三節ノ基部ニ黒毛ヲ混ズ、脚ハ黒褐、腿節ノ末端、脛節ノ兩端及ビ跗節ハ黄褐、(雄ニテハ脛節ノ全部黄褐ナルモノアリ)體長(♂)(♀)四分一四分五厘、開張八分—九分、幼蟲ハ蟻ノ巢ニ寄生ス、本州ニ産スレドモ其數少ナシ、

分布—本州(岐阜、京都、播州)、

(254) おほひげながはなあぶ

第十六圖(4) (♀)

學名 *Chrysotoxum grandis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黒褐、胸部ニハ銅色ノ光澤ヲ有ス、頭ハ橙黄色、頭頂ハ褐色ニシテ二黄紋ヲ裝フ、觸角ハ顔ヨリモ少シク短カク、黒褐ニシテ端刺ハ黄色、觸角砧ハ黄褐、胸背ノ前後兩角ニ赤黄紋アリ、中央ニ灰色ノ二縦條ヲ裝フ、稜狀部ハ黄褐、前縁ハ淡色ナリ、翅根ノ前方及ビ下方ニ各一黄紋ヲ裝フ、翅ハ透明、少シク鼈甲様ノ黄色ヲ帶ビ、翅端ニ暗色ノ曇紋アリ、脈ハ黄色、平均棍ハ黄色、腹部ハ大ニシテ卵形ヲ呈シ、第二、第三、第四及ビ第五節ノ兩側ニ斜走セル淡キ黄褐ノ一帯アリ、第六節ハ全部淡黄褐、中央ニ人字形ノ褐紋アルヲ常トス、各腹面節ノ後縁及ビ脚ハ黄色、基節、轉節及ビ腿

節ノ基部ハ褐色、但シ後腿節ハ末端ヲ除キ大部褐色、體長(♂)六分五厘内外、開張一寸一分—一寸二分、北海道及ビ樺太ニ稀ナラズ、分布—樺太、北海道、

(255) ふたほしひげながはなあぶ

第十六圖(5) (♀)

學名 *Chrysotoxum biguttatum* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、頭頂ノ二紋及ビ後頭ハ灰白色、顔ハ黄色、中央ノ縦條ハ光澤アル黑色、觸角ハ黑色、顔ヨリモ少シク短カク、端刺ハ黄色、前胸、中胸及ビ後胸背ノ兩側ニ各一個ノ黄色紋ヲ具ヘ、後胸背ノ紋ハ雄ニテハ判然セズ、前胸背ノ中央ニ判然セザル灰白ノ二縦條アリ、尙ホ中胸ノ側片ニ黄色ノ一紋ヲ裝フ、翅ハ透明、前縁ハ廣ク暗褐、平均棍ハ黄白、腹部ハ卵形、第二節ノ中央ニ太キ黄色乃至赤黄ノ一斜條ヲ具ヘ、第三及ビ第四節ニアルモノハ帶ヲナシ細クシテ中央ニテ遮斷セラレズ、第五節ニアルモノハ中央ニテ遮斷セラル、腹面ハ頗ル光澤ヲ帶ビ、第三、第四及ビ第五節ノ前縁ハ黄色ナリ、脚ハ黄色、基節、轉節及ビ腿節(兩端ヲ除キ)ハ暗褐、體長(♂)三分五厘—四分、開張七分、此ハ樺太及ビ北海道ニ産スレドモ餘リ多カラザルガ如シ、分布—樺太、北海道、

第十六圖 (8) (♀)

(256) たいわんおほはなあぶ

學名 *Megaspis errans* F.

昆蟲學上ノ地位 食蚜蠅科

體ハ暗褐、頭ハ大ニシテ稍々球形ヲ呈シ、頭ハ黃色、雌ニテハ頭頂ハ黑褐、顔ニ黄白ノ短毛ヲ密生ス、雄ニテハ複眼頭頂ニ相合シ、觸角ノ部分甚ダシク凹陷ス、觸角ハ頗ル小ニシテ黄褐、端刺ハ黃色、胸部ハ頭ヨリモ少シク狭ク、前中兩胸背ノ後縁ハ灰白、全體黄白毛ヲ裝ヒ、前胸背ノ兩側ニアルモノハ長シ、翅ハ透明、翅底及ビ中央ハ少シク褐色ヲ帶ブ、腹部ハ稍々球形ヲ呈シ、淡キ黄褐、第二及ビ第三節ノ後縁ニ三角形ノ大ナル黑褐紋アリ、第四節ノ中央ハ黑褐、腹面ハ黄褐、終リノ二腹節ハ暗褐、第四節ノ中央ニ褐色ノ一紋アリ、脚ハ黄褐、基節、腿節ノ末端、脛節ノ末半及ビ跗節黑褐、脛節ノ基部灰白、體長(♂)三分五厘―四分五厘内外、開張七分―九分、臺灣地方ニ普通ナリ、分布―琉球、臺灣、南方支那、比利賓島、馬來、印度、

(257) たいわんはなあぶ

第十六圖 (7) (♀)

學名 *Eristalodes Kobusi* Meij.

昆蟲學上ノ地位 食蚜蠅科

體ハ灰白色、雌ニテハ頭頂ニ稍々稜形ヲナセル小黒紋アリテ、之レハ細線トナリテ觸角ノ基部ニ達ス、顔ノ瘤狀突起ハ黒色ニシテ、其兩端細小ス、觸角ハ黄色、第三節ノ背部ハ暗色ヲ帶ブ、胸背ニ

ハ四個ノ光澤アル黒縦條ヲ裝ヒ、何レモ稜狀部ニ達セズシテ細小ス、稜狀部ハ暗黃色ニシテ光澤ヲ帶ビ、基部少シク暗色ヲ帶ブ、翅ハ白色、透明、脈ハ黃白、平均棍ハ黃白、腹部ハ楕圓形、黃色乃至淡黃褐ニシテ各節ノ前後縁ハ黒色、但シ雌ニテハ第二節ノ後縁ニアルモノハ中央ニテ稍々三角形ヲナシテ突出ス、雄ニテハ第二節ノ前後兩縁ニアルモノ中央ニテ相合シ、兩側ニハ淡黃褐ノ圓紋ヲ現ハス、尙第三節ノ兩側ニモ黃紋アリ、腹面ニハ斑紋ナシ、脚ハ暗褐、腿節ノ末端、脛節ノ基部並ニ跗節ノ基部ハ黃色、體長(♂)(♀)三分五厘内外、開張六分―七分、此ハ臺灣ニ普通ナリ、分布―臺灣(臺北、臺南、恒春)、

(258) りりはなあぶ

第十六圖(8) (♀)

學名 *Eristalis viridis* Coq.

昆蟲學上ノ地位 食蚜蠅科

體ハ黒綠色、腹部ハ少シク瑠璃色ヲ帶ブ、頭灰白、頭頂ノ廣キ縦條ハ黒綠、顔ノ中央ニアル低キ瘤狀突起ハ黒色、觸角砧ノ上縁及ビ觸角ハ黃色、前胸背ニ四個ノ判然セザル黒縦條アリテ、兩側ニアルモノハ短カシ、淡黃褐毛ヲ裝ヒ、兩側ニアルモノハ長クシテ密ナリ、翅ハ透明、少シク暗色ヲ帶ブ、脈ハ翅底ノ半部ニテ黃褐、外半ニテ黒褐、平均棍及ビ鱗狀瓣ハ灰白、腹部ハ稍々卵形ニ近ク、第二節ニ工字形ノ黒紋アリ、淡キ黃褐毛ヲ裝フ、脚ハ黒色、脛節ノ基部ハ黃白、跗節ノ基部ハ黃褐、體長(♂)三分―四分、開張六分―七分、本邦何レノ地方ニモ稀ナラザレドモ北海道ニ産スルモノア

ルヲ見ズ、

分布—本州、九州、

(259) ぢようざんまめひらたあぶ

第十六圖 (9) (♂)

學名 *Paragus jozanus* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、顔ハ黄色、頬及ビ口縁ハ暗褐、觸角ハ暗褐、第二節ノ末端ハ淡黄褐、後頭ニ銀白毛多シ、胸背ハ光澤ヲ帶ビ、黄褐ノ短毛ヲ裝ヒ、前胸ノ兩側及ビ稜狀部ニアルモノハ長シ、翅ハ少シク尾端外ニ出テ、透明ニシテ少シク暗色ヲ帶ブ、脈ハ黑褐、縁紋ノ部分ハ黄白ニシテ半透明ナリ、平均棍ハ黄白、腹部ハ細長ニシテ兩側ハ稍々平行シ、第三節基部ノ兩側ニ三角形ヲナセル一黄紋ヲ裝フ、尙第四節ノ基部ニ同様ノ斑紋アレドモ小ニシテ判然セズ、腹面ヨリ背面ノ斑紋ヲ透視シ得ベシ、脚ハ黄色、基節、腿節ノ基部及ビ脛節ノ中央紋ハ暗褐、但シ後腿節ノ基部ニ少シク黄色ノ部分アリ、體長(♂)二分、開張四分、此ハ札幌定山溪ニテ採集セラレタルモノナルガ稀ナルガ如シ、分布—北海道、

Paragus jozanus n. sp. (Pl. XVI, Fig. 9, ♂).

♂ Black. Face yellow, cheeks and epistoma dark brown. Antennae dark brown, the second joint at tip pale yellowish brown. Occiput in the middle with fuscous and on the sides with silvery white hairs. Thorax somewhat narrower than the head, with very fine tawny hairs, the hairs on sides and on scutellum being longer, and somewhat more closely

fine punctulated. Wings hyaline, scarcely infuscated, veins fuscous. Halteres pale yellowish white. Alulae grayish white. Abdomen long and narrow, parallel on sides, with black hairs, on the sutures mingling tawny hairs; the third segment at base on each side with a triangular yellowish spot, the fourth segment also with the same spot, but very small and indistinct; upper spots visible from the ventral side. Legs yellow, coxae, bases of femora, as well as a spot of hind the tibia fuscous, hind femur at the base being yellowish.

Length—♂ 6 mm.; exp. 12 mm.

Hab.—Hokkaido (Jozankei near Sapporo).

In the form it resembles somewhat to *P. fasciatus* Coq., but my species is much narrower and differently spotted.

(260) えぐりつやひらたあぶ

第十六圖 (10) (♂)

學名 *Melanostoma incisum* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ光澤アル黒綠色、頭ハ黒色、觸角ノ上縁及ビ觸角ハ黄褐、但シ第三節ノ背部及ビ末端ハ暗褐、端刺ハ黄褐、胸背ニハ黄褐毛多シ、翅ハ透明、遙翅端ヲ越へ、少シク暗色ヲ帶ブ、脈ハ黒褐、平均棍ハ灰白ニシテ頭狀部ハ灰色ヲ帶ブ、腹部ハ長楕圓形ニシテ兩端少シク細ク、第二節ノ兩側ニアル一小紋、第三及ビ第四節ニアル廣帯ハ黄色、後者ハ何レモ兩側及ビ後縁ニ達セズ、後縁ノ中央ニテ三角形ニ劔ラル、腹面ハ周縁ヲ除キ大部黄色、脚ハ黄褐、基節、腿節ノ基部及ビ跗節ノ大部ハ黒褐、但シ後肢ノ大部ハ黒褐ニシテ腿節ノ末端少シク黄褐ヲ帶ブ、體長四分、開張七分五厘、札幌地方ニ産スレドモ稀ナリ、

分布—北海道(札幌)

Melanostoma incisum n. sp. (Pl. XVI, Fig. 10, ♂).

♂ Very closely resembles to *M. 4-guttatum* Mats (Syrphus 4-guttatus Mats. Journ. Imp. Coll. Agric. Sapporo, Vol. IV, pt. I, P. 78, 1911), but differs from the latter as follows:

♀ Abdomen black, the second abdominal segment on each side with a yellow spot, at the base and in the middle not being grayish pruinose as that of *4-guttatum*; the third and fourth segments each with a broad yellowish band, which being incised in the middle of the hind margin, the incision in the female reaching over the middle of the band (in the male not reaching to the middle), hairs of abdomen tawny, especially those of the first and second segments being longer and denser, while in *4-guttatum* grayish hairs being shorter and less denser.

Length—♂ 12 mm.; exp. 22.5 mm.

Hab.—Honshu (Tokyo and Niikko); 2 specimens (1 ♂, 1 ♀) collected by the author.

(261) まごひらたあぶ

第十六圖(11) (♂)

學名 *Eumerus japonicus* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ光澤アル黒色、少シク綠色ヲ帶ブ、觸角ハ黄色、端刺ハ黒褐、顔ハ光澤ヲ缺キ、白毛ヲ裝フ、胸背ニハ黄白毛アリテ兩側ニアルモノハ長シ、翅ハ透明、少シク暗色ヲ帶ビ、縁紋ハ黄白、不透明、脈ハ暗褐、平均棍ハ黄白、腹部ハ細長ニシテ兩側ハ稍々相平行シ、黄白毛ヲ具ヘ、殊ニ兩側ニアル

モノハ長シ、第二節ノ兩側ニ稍々稜形ノ一黃紋ヲ具ヘ、其紋ノ銳角ヲナセル後角ハ稍々後緣角ニ位
 ス、第三節中央ノ兩側ニ橢圓紋アリテ少シク斜ニ横置セラル、腹面ハ黃色ニシテ周緣ハ暗褐、脚ハ
 黒褐、腿節ノ末端並ニ脛節及ビ跗節ハ黃色、但シ前脛節ノ末端、後脛節ノ大部(基部ヲ除キ)及ビ後跗
 節ノ基部ハ黒褐、體長(♂)二分六厘、開張四分三厘、此ハ京都鈴木元治郎氏ヨリ得タル標本ナルガ稀
 ナルガ如シ、
 分布—本州(京都)

Eumerus japonicus n. sp. (Pl. XVI, Fig. 11, ♂).

♂ Shining black, with a greenish shade. Face opaque, with white hairs. Antennae yellow, the third joint on its back
 narrowly fuscous, the arista dark brown. Thorax with pale yellowish hairs, especially those on the sides being longer and denser.
 Wings hyaline, scarcely infuscated, stigma yellowish white, opaque, veins fuscous. Halteres yellowish white. Abdomen long and
 narrow, on its sides nearly parallel, with pale yellowish hairs, those of the sides being longer; the second segment in the middle,
 on each side with a somewhat rhomboidal yellowish spot, which being situated somewhat obliquely, the third segment on each
 side also with an oblong yellowish spot. Legs dark brown, apex of each femur, the tibiae and tarsi yellowish, bases of
 the anterior tibiae and larger part of the hind tibiae (except bases), as well as bases of the hind tarsi, dark brown.

Length—♂ 8 mm.; exp. 13 mm.

Hab.—Honshu (Kyoto); one ♂ specimen collected by Mr. M. Suzuki.

(262) ももあかながはなめぶ

第十六圖 (12) (♀)

學名 *Xylota femorata* L.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、光線ノ工合ニヨリ少シク紺色ヲ現ハス、頭ハ黒毛ヲ装ヒ、觸角ハ黄色、末端ハ少シク黄白ナリ、胸背ニハ黄褐毛ヲ密生シ、兩側ニハ黒毛ヲ混ズ、稜狀部ノ後縁ニ白毛ヲ装フ、翅ハ少シク尾端ヲ越ヘ、透明ニシテ脈ハ暗褐、之レハ淡褐色ニヨリテ縁取ラル、縁紋ハ暗褐ニシテ不透明、脈ハ翅底ノ半部ニテ黄褐、外半ニテ黒褐、平均棍ハ黄色、腹部ハ細長ニシテ灰白毛ヲ装ヒ、雌ニテハ第五節細ク、第一節ニハ横皺多シ、脚ハ赤黄、基節、後腿節ノ末端及ビ同脛跗兩節ハ黑色、後腿節ハ頗ル太ク、同脛節ハ弓狀ニ彎曲ス、體長(♂)(♀)四分五厘—六分、開張八分—一寸一分、此ハ樺太及ビ札幌地方ニ稀ナラズ、分布—樺太、北海道(札幌)、

(263) じょうざんながはなあぶ

第十六圖 (13) (♀)

學名 *Spilomyia jozankkana* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ暗褐、頭、前胸背ノ四紋、胸側ノ一紋、中胸背ノ五紋、稜狀部ノ末端、平均棍及ビ腹部ノ帶ハ橙黄色、頭ニハ淡キ黄褐毛ヲ密生シ、頭頂單眼ノ部分ハ暗褐、之レヨリ觸角ノ基部ニ滑澤ナル細キ黄褐線ヲ出ス、尙觸角下ニモ同様ノ少シク太キ一線アリ、觸角ハ淡黄褐、第三節ハ稍々卵形ヲ呈シ、端刺ノ末端ニ近ク少シク暗褐ヲ帶ビタル部分アリ、胸背ノ中央ニハ灰黄色ノ一縦條アリテ稍々其半

ニ達ス、後縁ニアル五紋ノ内中央ニアルモノハ大ニシテ、兩側ニアルモノハ小ナリ、後者ハ相近接シ、全面ニ黄褐毛ヲ密生シ、翅ハ半透明、中央ニ近ク暗褐ノ一縦條アリテ、外縁ニ達セズ、脈ハ黄色、第二脈ノ末端ニ少シク暗色ヲ帯ビタル部分アリ、平均棍ハ黄色、腹部ハ太キ紡錘狀ニシテ、第二節ニ一帯、第三節以下各節ニ二帯アリテ、後方ニ至ルニ從ヒ其太サヲ増ス、第五節ハ全部黄色ニシテ、基部及ビ中央ノ判然セザル一縦條ハ褐色ナリ、腹面ハ暗褐、第三及ビ第四節ノ基部ニ黄帶アリ、尙尾端ノ大部モ黄色ナリ、脚ハ黄褐、基節、腿節ノ中央及ビ前跗節ハ末端ヲ除キ暗褐、體長(♂)(♀)六分—七分五厘、開張一寸一分—一寸五分、札幌地方ニ産スレドモ餘リ多カラズ、一見胡蜂ニ似タルヲ以テ擬態ノ好例ニ引用セララル、分布—北海道(札幌)。

Spilomyia jozankeana n. sp. (Pl. XVI, Fig. 18, ♀)

Dark brown, with tawny hairs. Head, 4 spots on the anterior part of thorax, 5 spots on the hind part, a spot on the pleura, the hind margin of scutellum, halteres and bands of abdomen, orange yellow. Ocellar region of vertex, a longitudinal bar down to antennae, and a longitudinal bar above epistoma, dark brown; in the female a longitudinal callosity above and below antennae narrow and of testaceous color. Antennae testaceous, the arista near tip being somewhat infuscated. Thorax in the middle with a longitudinal grayish yellow stripe, which ending indistinctly near the middle, humeral spots round, sutural spots somewhat produced inwardly and nearly reach to central vitta, pleural spot oblong. Behind the suture with 5 spots, of which the middle one being larger and of a semicircular form, 2 on each side being smaller and placed together each other. Wings subhyaline, in the middle with a broad fuscous stripe, which not reaching to the margin, below the stigma with a yellowish shade, veins yellow, mostly lined with a yellowish shade. Halteres yellow. Abdomen broad spindle-shaped, the second

segment with a band near the middle (which being in the middle below very narrowly incised), the second, third and fourth segments each with 2 bands, the fifth only at base brownish and with a middle stripe of pale brown. Venter fuscous, at bases of the third and fourth segments each with a yellowish band. Legs ferruginous, coxae and the middle part of each femur, as well as anterior tarsi, except apices, fuscous.

Length—♂♀ 18—22. 5 mm; exp. 33—45 mm.

Hab.—Hokkaido (Sapporo); not rare.

(264)

ねあきながはなあぶ

第十六圖 (14)

(♂)

學名 *Milesia undulata* Voll.

昆蟲學上ノ地位 食蚜蠅科

體ハ暗褐、金色毛多シ、頭ハ黃白乃至黃金色、觸角ハ淡黃褐、端刺ノ末端ハ少シク暗褐ヲ帶ブ、口吻ハ暗褐、肩部ハ赤黃、中央ニハ二個ノ黃色條アリテ中胸背ノ中央ニ達シ、前端ニテハ肩紋ト相合ス、横溝、中胸背ノ兩側紋、同後縁ノ一紋及ビ胸側紋ハ黃色、稜狀部ハ黃褐ニシテ基部ハ少シク暗褐ヲ帶ブ、翅ノ後半ハ稍々透明、前半ハ半透明ニシテ黃褐ヲ帶ブ、脈ハ黃褐、平均棍ハ黃白、腹部ハ細長、第二節ノ中央ニ山字形ノ黑紋アリテ其前縁ハ鼈甲様ノ黃白ヲ呈シ、半透明ナリ、尙第三節ニ同ジク山字形ノ黑紋アレドモ遙ニ低ク、其前縁ハ黃色ナリ、各關節ハ暗褐、第四節ハ黃褐ニシテ光澤アリ、第二腹面節ノ基部ハ半透明ニシテ黃白、脚ハ黃褐、基節及ビ中腿節ノ基部、後腿節ノ大部(末端ヲ除キ)及ビ同脛節ノ中央ハ暗褐、後腿節ノ末端ニ近ク一齒アリテ後方ニ向ク、體長(♂)六分—八分五厘、開張一寸一分—一寸二分、何レノ地方ニモ産スレドモ餘リ多カラズ、

分布—北海道、本州、九州、

(附言) 千蟲圖解二P. 102 No. (351)ノ學名ハ *Tennostoma frequens* Mats. ノ誤ナルヲ以テ爰ニ訂正ス、

(265) にこへながはなあぶ

第十六圖 (15) (♂)

學名 *Tennostoma Nitobei* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ雄暗褐、頭ハ黃白、頭頂及ビ後頭ハ暗褐、顔ノ中央ニアル一縱條、頰及ビ觸角砧ハ光澤アル黑色、但シ雌ニテハ顔及ビ頭頂ニ太キ黑縱條ヲ裝フ、觸角ハ淡黃褐、黃白ノ短毛多シ、肩部ニハ黃紋ヲ裝ヒ、横溝ノ兩側及ビ側片ノ後縁ニアル紋モ亦黃色ナレドモ之レハ餘リ判然セズ、淡黃褐ノ短毛多シ、翅ハ前半ニテ暗褐、半透明、後半ニテ透明、脈ハ黃色、但シ暗褐ナル部分ニアリテハ脈ハ濃色、尙前縁室ハ淡色ナリ、平均棍ハ黃白、腹部ハ細長ニシテ兩側稍々平行シ、第二、第三及ビ第四節ニ黃帶ヲ具ヘ、第二及ビ第三節ニアルモノハ少シク下方ニ弓曲シ、前者ハ後縁ノ中央ニテ少シク列ラル、但シ雌ニテハ何レモ中央ニテ遮斷セリ、第四節ニアルモノ最モ太シ、何レモ兩端ハ細小シ、兩側ニ達セズ、第五節ハ黃褐、腹面ニテハ各節ノ後縁ハ淡黃褐、第二及ビ第三節ノ前縁ニ近キ短帶ハ黃色、脚ハ暗褐、腿節ノ末端、脛節及ビ跗節ハ黃褐、但シ前跗節ハ暗褐、體長(♂)四分—四分五厘、開張七分、此ハ新渡戸稻雄氏ガ初メテ青森ニ捕獲セルモノナルガ餘リ多カラザルガ如シ、分布—北海道(札幌)、本州(青森)、

Temnostoma Nitobei n. sp. (Pl. XVI, Fig. 15, ♂).

Dark brown. Face pale yellow, with the concolorous fine hairs. Vertex, occiput, antennal-process, a middle stripe above the epistoma, as well as cheeks, black, the female being provided with a broad black central vitta. Antennae testaceous, with very fine pale yellowish hairs. Humeral spots yellow, the suture on sides narrowly yellow, the yellowish part in the female being somewhat broader. Wings at the costal halves dark brown and subhyaline, at the posterior halves hyaline, veins testaceous, those of the dark brown ground somewhat deeper in color, costal cell being pale yellowish. Halteres pale yellow. Abdomen long and narrow, nearly parallel on its sides, the 2nd, 3rd and 4th segments each with a yellowish band, all of them not reaching to the margin and on the sides becoming narrower, that of the 2nd segment of the male in the middle shallowly incised, while that of the 2nd and 3rd segments of the female in the middle nearly interrupted, that of the 4th being broadest, the 5th testaceous; hind margin of each ventral segment testaceous, the 2nd and 3rd segments each with a short yellowish band near the anterior margin. Legs fuscous, tips of femora, the tibiae and tarsi ferruginous, anterior tarsi being fuscous.

Length—♂ ♀ 12—14 mm.; exp. 21 mm.

Hab.—Hokkaido (Sapporo), Honshu (Aomori); 3 ♂ and 1 ♀ collected by Mr. I. Nitobe and the author.

(266) みけももぶこはなあぶ

第十六圖 (16) (♀)

學名 *Mallota japonica* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ雌ニテハ黑色、頭ニ黄緑毛ヲ密生ス、但シ頭頂、觸角砧及ビ觸角下ノ一縦線ハ光澤ヲ帶ビ、毛ヲ有セズ、觸角砧ノ上縁ハ黄褐、觸角ハ黄褐、第一及ビ第二節ハ暗褐、端刺ハ淡黄褐、前胸背ニハ

黄緑ノ長毛ヲ密生シ、胸背ノ後方ニ黒色毛ヲ密生ス、稜狀部黄色ニシテ黄毛多シ、翅ハ透明、脈ハ黄褐、但シ翅底ノ前縁及ビ其下ノ二脈ハ暗色、平均棍ハ暗黄色、腹部ハ第二節ニテ最モ廣ク後方ニ至ルニ隨ヒ次第ニ細マル、第一及ビ第二節ハ黄毛ヲ密生シ、第二節ノ後半部ニ黒毛ヲ生ジ、後縁ニハ少シク黄毛ヲ混ズ、此兩節ノ兩側ニ各一黄紋アレドモ黄毛ノ爲メ判然セズ、第三節ニハ黒毛ヲ密生シ、後縁ニハ淡黄褐毛ヲ密生ス、尙第四及ビ第五兩節ニモ淡黄褐毛ヲ密生シ、雄ニテハ體小ニシテ、稜狀部ハ暗褐、灰白毛ヲ裝フ、第二腹節ハ他ヨリ少シク廣シ、初メノ二腹節ニ黄紋ヲ缺キ、灰白毛ヲ密生スル部分ハ灰色、第三節ノ全部ハ黒毛ヲ以テ蔽ハル、脚ハ黒色、腿節ノ末端、脛節ノ兩端及ビ跗節ハ黄褐、腿節太ク、特ニ雄ニテハ一層大ナリ、體長(♂)五分、(♀)六分五厘内外、開張一寸一四分、此ハ本邦稀ナラザル種類ナレドモ未ダ九州及ビ四國ニ捕獲シタルコトナシ、分布—北海道、本州、

Mallota japonica n. sp. (Pl. XVI, Fig. 16, ♀)

♀ Black. Head densely covered with greenish yellow hairs, vertex, the antennal-process and a middle stripe above the epistoma, shining black and bare; upper margin of the antennal-process ferruginous. Antennae ferruginous, the 1st and 2nd joints fuscous, the arista testaceous. Thorax at the anterior part densely covered with greenish yellow hairs and the at posterior part with black hairs. Scutellum yellowish pubescent. Wings hyaline, veins ferruginous, costa as well as the 1st and 2nd veins at bases fuscous. Halteres fulvous. Abdomen broadest at the 2nd segment, gradually becoming narrower towards tip, the 1st and 2nd segments covered with yellowish hairs, posterior half of the 2nd segment black and black pubescent, at the hind margin mingling a few yellowish hairs; a yellowish patch on each side of the 1st and 2nd segments owing to the yellowish pillosity not distinct; the 3rd segment black and black pubescent, at the hind margin with a few

testaceous hairs, the 4th and 5th segments also with testaceous hairs. Male much smaller, scutellum dark brown, with grayish hairs, the 3rd abdominal segment wholly covered with black hairs, the 1st and 2nd segments grayish, without side-spots. Legs black, femora at tips, both ends of each tibia, as well as tarsi, ferruginous.

Length—♂ 16—20 mm.; exp. 30—42 mm.

Hab.—Hokkaido (Sapporo), Honshu (Tokyo and Kyoto); not rare.

In the form and coloring it resembles somewhat to *M. tricolor* Loew from Sarepta.

(267)

おほももぶこはなあぶ

第十六圖 (17)

(♂)

學名 *Criorhina jesoensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ雄淡黃褐、胸部ノ中央ニ二個ノ長キ灰色縱條ヲ具ヘ、兩側ニモ短カキ同色一縱條アリテ之レハ横溝ニテ遮斷セラル、長キ黃毛ヲ密生ス、頭ハ銀白ノ短毛ヲ密生シ、口縁、頬及ビ中央瘤ハ黑色、顔ハ下方ニ延長ス、觸角ハ褐色、第二節ノ基部ハ黒褐、端刺ハ褐色ニシテ基部ハ少シク淡色、翅ハ透明、少シク黃褐ヲ帶ビ、脈ハ淡黃褐、翅端脈ノ半部ハ第一脈ヲ除キ暗褐、平均棍ハ淡黃褐、腹部ハ灰黃色、各節ノ前後兩縁及ビ第二節ノ中央條ハ暗褐、第二節ノ兩側ニ黃色ノ長毛ヲ具ヘ、全面光澤アル淡黃褐ノ短毛ヲ密生ス、第二腹面節ノ兩側紋ハ黃白、脚ハ暗褐、淡黃褐毛ヲ裝ヒ、腿節ノ末端及ビ脛節ノ基部ハ黃褐、後腿節ハ頗ル太ク、同脛節ハ少シク彎曲ス、雌ニテハ頭ハ光澤アル黑色、顔ノ下面ハ著シク下方及ビ前方ニ突出シ、頭頂ノ兩側ニ淡黃褐ノ短毛ヲ密生ス、觸角及ビ觸角砧ノ上縁ハ黃褐、腹部廣ク、第四節下ニ小ナル第五節露出セリ、後腿節ハ雄ノモノヨリ遙ニ細ク、跗節

黄褐ナリ、體長(♂)(♀)六分内外、開張九分五厘—一寸一分、札幌地方ニ稀ナラズ、花上ニ捕獲シ得ベシ、分布—樺太、北海道、本州青森、

(附言) 拙著樺太昆蟲編 (Erster Beitrag zur Insekten Fauna von Sachalien p. 78, No. 255, 1911) ニアル Prioneris
ハ *Criorhina* 屬ナルヲ以テ訂正ス、

(268) たかさごももぶごはなあぶ

第十六圖 (18) (♂)

學名 *Mallota takasagensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ雄黑褐、顔ハ灰白、黄白毛ヲ密生シ、頭頂、觸角砧、口上ノ中央ニアル一縱條及ビ頬ハ黑色、觸角砧ノ上縁及ビ觸角ハ黄褐、但シ第一及ビ第二觸角節ハ黑褐、端刺ハ淡黄褐、末端ハ暗褐、胸背ハ灰色ニシテ黑色及ビ黄白毛ヲ裝ヒ、黑色ノ四縱條アリテ、中央ニアル二條ハ長ク、相近接シ、兩側ニアルモノハ短カクシテ横溝ニテ遮斷セラル、兩側及ビ稜狀部ニ長キ黄毛多シ、翅ハ透明、少シク暗色ヲ帶ブ、脈ハ暗褐、第二及ビ第三脈ト相分支スル所及ビ翅底ハ褐色ヲ帶ブ、平均棍ハ黄白、腹部ハ細ク、基部ニテ少シク太シ、第一及ビ第二節ノ兩側ハ黄白、第二乃至第四節中央ノ兩側ニ各一斜溝アリテ、其内第二節ニアルモノ最モ長シ、第五節ノ基部ハ黄褐、後縁ハ球形ヲ呈シ、黄白ノ短毛ヲ裝ヒ、黒毛ヲ混ジ、各節ノ後縁ニハ黒毛ヲ裝フ、尾端ハ下方ニ曲ル、第一及ビ第二腹面節ハ黄白、脚ハ黑褐、後腿節ノ基部ハ黄色 同三分ノ一ノ處ニアル一紋及ビ其末端、後脛節ノ中央紋、

脛節ノ末端並ニ跗節ハ黃褐、何レモ黃色ノ長毛多シ、雌ニテハ體遙ニ小形、第二及ビ第三腹節ニア
 ル斜溝ハ黃褐、尾端ハ截斷狀ニ終ル、體長(♂)(♀)四分—五分五厘、開張七分—八分五厘、此ハ中國及
 ビ九州地方ニ稀ナラス、
 分布—本州高砂、京都、東京、九州(熊本)。

Mallota takasagensis n. sp. (Pl. XVI, Fig. 18, ♂).

♂ Dark brown. Face grayish white, with pale yellowish hairs, vertex, the antennal-process, a middle stripe above the epistoma and cheeks, black. Upper margin of the antennal-process and antennae ferruginous, the 1st and 2nd joints being fuscous; the arista testaceous, the apical one 3rd being fuscous. Thorax grayish, pale yellowish and black pubescent, with 4 black stripes, of which the middle 2 are longer and somewhat diverging towards the scutellum, but not reaching to it, while those of the sides being shorter and interrupted at the suture; scutellum and sides of thorax long, yellowish pubescent. Wings hyaline, scarcely infuscated, veins fuscous, base and region of the 2nd and 3rd veins at the fork fuscous. Abdomen narrow, at base somewhat broader, the 2nd, 3rd and 4th segments on each side with an oblique furrow, the 1st and 2nd segments on each side with a yellowish patch, with long yellowish hairs, hind margin of each segment and base of hypopygium ferruginous, with pale yellowish and fuscous hairs, the hairs of the hind margin of each segment being fuscous; basal 2 segments of the venter pale yellowish; hypopygium nearly round. Legs dark brown, basal half of the hind femur staceous, a spot of the same near the apex, the middle of the same tibia, as well as the tarsi, ferruginous; with long yellowish hairs. In the female body much smaller, oblique furrows of the 2nd and 3rd abdominal segments ferruginous, pygidium at tip being truncated.

Length—♂ ♀ 12—16.5 mm.; exp. 31—25.5 mm.

Hab.—Honshu (Takasago, Kyoto, Tokyo) and Kiusshu (Kumamoto).

(269)

もんきももぶこはなあぶ

第十六圖 (19)

(♀)

學名 *Acrophila jozana* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ雄黒褐、頭ハ灰白、頭頂、顔ノ二縦條及ビ頬ハ光澤アル暗褐、觸角ハ黄褐、頭ノ二縦條ハ口上ニテ相合シ、顔ハ三角形ヲナシテ下方ニ突出ス、觸角ハ黄褐ニシテ短ク、觸角砧並ニ第一及ビ第二觸角節ハ光澤アル黒色、端刺ハ淡黄褐ニシテ、黒色ノ羽狀毛ヲ有ス、胸背ニハ淡黄褐毛ヲ密生シ、前胸ニ判然セザル黒色ノ二縦條ヲ裝フ、兩側及ビ稜狀部ニアル毛ハ密ニシテ長シ、後者ノ後縁ハ淡黄褐、翅ハ透明、少シク褐色ヲ帯ビ、中央ニ近ク前縁ニ接シテ一暗褐紋ヲ裝フ、脈ハ翅底ノ半部ニテ黄褐、外半ニテ暗褐(但シ第一脈ハ黄褐)、平均棍ハ黄白、腹部ハ黒色、黒毛ヲ裝ヒ、第一及ビ第二節ハ淡黄褐、第二節ノ後縁及ビ中央ノ一縦條ハ黒色、黄褐ナル部分及ビ各節ノ後縁ニ黄褐毛アリ、初メノ三腹面節及ビ殘節ノ各後縁ハ淡黄褐、脚ハ黒褐、腿節ノ末端、脛節ノ兩端、後腿節ノ基部及ビ中肢ノ跗節ハ黄褐、後腿節ハ肥大ス、腿節ニ黄毛ヲ裝ヒ、後腿節ノ末端ニ黒毛アリ、雌ニテハ體少シク小形、稜狀部黄褐、後腿節ハ細ク、基部ノ三分ノ二ハ淡黄褐、體長(♂)四分五厘—五分五厘、開張九分—一寸、札幌地方ニ産スレドモ稀ナリ、分布—北海道札幌、本州(東京)。

Acrophila jozana n. sp. (Pl. XVI, Fig. 19, ♀).

♂ Dark brown. Head grayish white, vertex, 2 longitudinal stripes of front (which meet above the epistomy) and

checks, shining fuscous. Antennae ferruginous, the antennal-process, as well as the 1st and 2nd joints shining black, the arista testaceous, at tip fuscous, the plumose hairs black. Thorax with testaceous hairs, especially those of the pleurae and scutellum being longer and denser, the latter on the hind margin being testaceous. Wings hyaline, somewhat infuscated, in the middle at costa with a large fuscous patch; veins the at the basal half testaceous, at the apical half, except the 1st vein, fuscous. Halteres pale yellow. Abdomen oblong, black pubescent, the 1st and 2nd segments testaceous with the concolorous hairs, hind margin and a middle spot of the 2nd segment being black, each hind margin of the 2nd and of 3rd segments narrowly ferruginous, with some pale yellowish hairs. Ventral side at the basal half testaceous, at the apical half fuscous, only the hind margin of each segment being narrowly testaceous. Legs fuscous, apices of femora, both ends of tibiae, bases of hind femora, as well as the middle tarsi, ferruginous.

Length—♂♀ 13.5—16.5 mm.; exp. 27—30 mm.

Hab.—Hokkaido (Sapporo), Honshu (Tokyo); 2 (♂♀) specimens from Jozankai near Sapporo collected by the author and one female specimen from Tokyo, collected by Mr. S. Hirayama.

(270)

ねほこしぼそはなあぶ

第十六圖 (20) (♀)

學名 *Bacchiopsis vespiformis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑褐、顔ノ兩側、胸背ノ兩側ニアル一縦條、胸側ノ一紋、平均棍及ビ腹部ノ斑紋ハ黄色、頭頂、後頭及ビ顔ノ中央ニアル太キ一縦線ハ黑褐、觸角ハ黄褐、第一節ハ黑褐、端刺ハ黄色、末端ノ半部ハ少シク暗褐ヲ帶ブ、胸背ニハ黄褐ノ短毛アリ、稜狀部ハ黄褐、翅ハ透明、前縁ノ半部ハ暗色ニシテ不透明、脈ニ沿ヘル部分ハ少シク濃色、脈ハ暗褐、平均棍ノ柄部ハ黄褐、腹部ハ恰モ細腰蜂ノ觀

ヲ呈シ、第一及ビ第二節細ク、第二節ノ兩側ニ楕圓形ノ一紋アリテ斜置セラル、第三、第四及ビ第五節ノ前縁並ニ第四節ノ後縁ハ黄色、但シ第四節ノ後縁ニアルモノハ最モ太ク、且ツ中央ニテ三角形ニ突出ス、腹面ニテハ第一節ノ後縁、第二及ビ第三節ノ前後縁並ニ第四及ビ第五節ノ前縁ハ黄色、脚ハ黄褐、基節、轉節及ビ腿節ノ基部若クハ之ニ近キ一紋ハ暗褐、脛節ノ基部ハ黄白、體長(♀)五分五厘、開張一寸一分、此ハ札幌地方ニ産スンドモ稀ナリ、
分布—北海道(札幌)。

Bacchiopsis vespiformis n. sp. (Pl. XVI, Fig. 20, ♀).

♀ Dark brown. Face on sides, a longitudinal stripe on each side of thorax, a pleural spot, the knobs of halteres and markings of abdomen, citron yellow. Vertex, occiput and a broad middle stripe of face, fuscous. Antennae ferruginous, the 1st joint being fuscous; the arista yellow, at base and at the apical half fuscous. Thorax with very short tawny hairs. Scutellum ferruginous. Wings hyaline, at the costal half fuscous and opaque, along the veins being somewhat deeper in color, veins fuscous. Halteres ferruginous. Abdomen narrower towards the base, club-shaped, the 2nd segment on each side with an oblong spot, which being placed obliquely, the 3rd, 4th and 5th segments each at the anterior margin and the 4th at the posterior margin, the latter triangularly produced in the middle, with a yellowish cross-band; the 1st ventral segment at the posterior margin, the 2nd and 3rd on both margins and the 4th and 5th each at the anterior margin, yellow. Legs ferruginous, coxae, trochanter and bases of femora (middle and posterior femora near bases each with a fuscous spot), fuscous, bases of tibiae being pale yellowish.

Length—16.5 mm.; exp. 33 mm.

Hab.—Hokkaido (Sapporo); rare.

Bacchiopsis n. g.

Very near to *Baccha* F., but differs from the latter as follows.

A large wasp-like robust species, but not so narrow as that of *Baccha*. Vertex broad, nearly half as wide as the middle of face. Anterior cross-vein oblique, supernumerally vein between the 3rd and 4th veins only distinct until the posterior cross-vein, while that of *Baccha* runs to base of the 2nd vein, the 2nd abdominal segment broader than the scutellum, nearly twice as long as the width, the 3rd segment at the hind margin somewhat broader than long. Legs long, the hind legs being longer than the abdomen.

Type—*Bacchiopsis vespiiformis* Mats.

(271)

つまぐろこしぼそはなあぶ

第十六圖

(♀)

學名 *Baccha pulchrifrons*. Aust.

昆蟲學上ノ地位 食蚜蠅科

體ハ光澤アル黒色、少シク綠色ヲ帶ブ、頭ハ稍々球形ニ近ク、頭頂ハ黒色、顔ハ黄色、中央ノ瘤狀突起ハ黒色、觸角ハ淡黄褐、胸背ニハ黄白ノ短毛ヲ裝ヒ、中胸側ハ淡黄褐、翅ハ透明、縁紋、第一室及ビ翅端ハ暗色、尙第三脈ノ基部ニ暗色ヲ呈スル小部アリ、脈ハ暗褐、平均棍ハ暗黄色、腹部ハ細長、殊ニ第二節ハ頗ル細ク、第一節ノ基部及ビ兩側、第二節ノ後縁ニ近キ二紋、第三節ノ中央ニアル鈎狀紋、第四節ノ前縁ニアル又狀紋並ニ第五節前縁ノ兩側ニアル二小紋ハ黄色、此内第四節ニアル紋ハ最モ大ナリ、各腹面節ノ中央ハ黄褐、但シ第四節ハ大部黄色ナリ、脚ハ黄色、後腿節ノ中央及ビ同脛節ノ末端ハ褐色、體長(♂)四分内外、開張六分、此ハ本州何レノ地ニモ稀ナラズ、分布—本州九州、臺灣、

(272) しろすぢベツかうはなあぶ

第十六圖 (22) (♀)

學名 *Volucella japonica* Big.

昆蟲學上ノ地位 食蚜蠅科

體ハ雌黑褐、頭及ビ胸背ハ淡黃褐、顔ハ稍々圓錐形ヲナシテ下方ニ延長シ、籠甲様ノ光澤ヲ有ス、觸角ハ橙黃色、黑色ノ羽狀毛アル端刺ヲ具ヘ、口吻ハ暗褐、前胸背ニハ黑色ノ四縱條アリテ、兩側ニアルモノハ後方ニ至リテ尖小ス、何レモ稜狀部ニ達セズ、兩側、後緣及ビ稜狀部ノ後緣ニ黑色ノ剛毛列ヲ裝フ、翅ハ透明、翅底ノ半部ハ黃色ヲ帶ビ、中央ニ暗褐ノ一大紋ヲ具ヘ、翅端ニ近ク暗褐ノ曇狀紋アリ、脈ハ黃色、但シ中央及ビ外緣ニアルモノハ暗褐、平均棍ハ黃白、柄節ノ上方ハ少シク暗色ヲ帶ブ、腹部ハ黑色、第二節ハ黃白、之レニハ黃白ノ短毛ヲ具ヘ、其後緣ニハ黑色ノ短毛ヲ密生ス、腹面ハ腹背ト畧同様ナレドモ第三節ノ前半モ亦黃白ナリ、脚ハ黑褐、脛節ノ基部(後肢ヲ除キ)ハ黃褐、體長(♀)六分内外、開張一寸一分—一寸二分、雄ハ甚ダ稀ナルガ如シ、余ハ十數匹ノ雌ヲ有スレドモ未ダ雄ヲ有セズ、

(273) くろベツかうはなあぶ

第十六圖 (23) (♂)

學名 *Volucella nigricans* Coq.

昆蟲學上ノ地位 食蚜蠅科

分布—北海道、本州、

體ハ黑色、頭ハ淡黃褐、雌ニテハ頭頂ニテ複眼分離シ、頭頂ハ暗褐、觸角ハ淡黃褐、端刺ノ羽狀毛ハ褐色、雄ハ複眼ニ暗褐毛ヲ裝フ、胸背ハ光澤ヲ帶ビ、前後ノ兩角ハ黃褐、黃褐ノ短毛ヲ裝フ、兩側、後緣及ビ稜狀部ノ兩側ニ剛毛列アレドモ、稜狀部ノ後緣ニ之レヲ缺ク、翅ハ半透明、翅底ノ半部ハ脈ト共ニ鼈甲様ノ黃色、中央ニ黑褐ノ一大紋ヲ具ヘ、翅端ニ近ク外緣ニ一暗色紋アリ、尙外緣脈ハ暗色ニシテ其兩側モ亦暗色ナリ、平均棍ハ暗褐、頭部ハ黃色、前鱗狀瓣ハ黃色、後鱗狀瓣ハ褐色、何レモ長キ黃毛ヲ後緣ニ裝フ、腹部ハ卵形ニシテ少シク扁タク、第二節ノ前緣ニ二個ノ黃白紋アリ、雄ニテハ紋ヲ缺キ、前緣ニテ少シク黃白ナリ、雄ニテハ第一及ビ第四節、雌ニテハ第一及ビ第五節ニ光澤ヲ帶ブ、何レモ黑色ノ短毛ヲ裝フ、腹面ニテハ第一、第二並ニ第三節ノ前緣ハ黃白、全部光澤アリ、脚ハ黑色、腿節ノ末端及ビ脛節ノ基部ハ少シク黃褐ヲ帶ブ、吸盤ハ黃褐、體長(♂)六分—七分、開張一寸四分、本州ニハ稀ナラザレドモ北海道ニ産スルモノアルヲ聞カズ、分布—本州岐阜、京都、大阪、九州(二日市、長崎)。

(274)

にごべへツかうはなあぶ

第十六圖(24)
(♀)

學名 *Volucella Nitobei* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黃褐、觸角ハ端刺ト共ニ黃褐ニシテ、顔下方ノ兩側ニ褐色ノ一縱紋ヲ有ス、單眼ノ部分少シク褐色ヲ帶ブ、黃褐ノ短毛多シ、胸背ノ中央ニ暗褐ノ一縱條ヲ有スルモノアリ、兩側、後緣及ビ稜狀

部ノ兩側ニ黑色ノ剛毛列ヲ具ヘ、肩部ニハ絹様ノ光澤アル黃白紋アリ、翅ハ前縁ノ前半ニテ暗色、半透明、後半ニテ透明、少シク暗色ヲ帶ブ、前縁室ハ黃色ヲ帶ブ、脈ハ黃色、暗色部ニテ暗褐、中室ハ大部透明ナレドモ、其周縁ハ暗色ヲ帶ブ、平均棍ハ黃色、頭狀部ニ小褐紋アリ、鱗狀瓣ハ黃褐ニシテ同色紋ヲ裝フ、腹部ハ橢圓形ニシテ暗褐、第二節ノ前縁ニ瓢葦形ノ黃白紋ヲ具ヘ、其部黃白毛ヲ裝フ、他ハ黑色ノ短毛ヲ密生ス、尙第三節ノ前縁ニ黃白ノ細キ一帯アリテ中央ニテ少シク縊ラル、腹面ニテハ腹背ト同様ノ斑紋ヲ有スレドモ幅廣クシテ中央ニテ縊ラレズ、脚ハ黃褐、腿節ニ黑色ノ短毛ヲ混ズ、體長(♀)七分、開張一寸二分——一寸三分五厘、此ハ青森ニテ故新渡戸稻雄氏ノ初メヲ捕獲セルモノナルガ、其後京都鈴木元治郎、大阪芝川又之助ノ兩氏ヨリ各一頭ヲ得タリ、稀ナルガ如シ、

分布—本州(青森、大阪、京都)。

Volucella Nitobei n. sp. (Pl. VXi, Fig. 24, ♀).

Ferruginous. Antennae with the arista concolorous with the body; face below eyes on each side with a brownish stripe; ocellar region brown, with short tawny hairs. Thorax in some specimens with a brownish central stripe, on sides and at the hind margin, as well as on sides of scutellum with some black macrochaetae; humerus with a silky pale yellowish spot. Wings at the costal half fuscous, subhyaline, costal and the second cell being yellowish, posterior half hyaline, veins yellow, which in the fuscous region being fuscous, discal cell hyaline, the inner margin of which being lined with fuscous. Halteres yellow, the knobs each with a brownish spot. Calypteres ferruginous, with the concolorous hairs, abdomen oblong, dark brown, the second segment at the anterior margin with a pandulate testaceous spot, the third segment also with a narrow, in the middle scarcely constricted, testaceous band; the second and third ventral segments on each anterior margin

broadly testaceous. Legs ferruginous, with short, fawny hairs femora being covered with short black hairs.

Length—♀ 21 mm.; exp. 36 mm.—40 mm.

Hab.—Honshu (Aomori, Kyoto and Osaka); very rare.

(275)

つまぐろはなあぶ

第十六圖 (25) (♀)

學名 *Leucosoma lucorum* L.

昆蟲學上ノ地位 食蚜蠅科

體ハ暗褐、頭ハ灰白、同色ノ短毛ヲ裝フ、頭頂ハ少シク黄色ヲ帶ブ、顔ノ中央ニアル縦條及ビ頬ハ光澤アル黒褐、前者ノ上部ハ淡色ナリ、觸角ハ端刺ト共ニ黑色、胸背ハ暗灰色ニシテ少シク綠色ヲ帶ビ、黃白ノ長毛多シ、稜狀部黃褐、翅ハ透明、中央紋ハ黑色、脈ハ翅底ノ半部ニテ黄色、外半ニテ黒褐、平均棍ハ褐色、柄節ハ少シク淡色、腹部ノ第二節及ビ第三節ノ前縁ハ黃白、黃白部ニハ黃白毛ヲ有シ、黒色部ニ黒毛ヲ裝フ、腹面ニテハ基部ノ半部黃白、脚ハ黑色、腿節ノ末端及ビ脛節ノ基部ハ黃白、體長(♂)四分内外、開張八分、札幌地方ニ産スレドモ稀ナリ、分布—北海道(札幌)、本州(日光)、歐洲、

(276)

むつばしベツかうはなあぶ

第十六圖 (26) (♀)

學名 *Volucella 6-maculata* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ淡黃褐、觸角砧ノ中央ハ光澤アル黒褐、頭頂及ビ顔ニ黃褐ノ短毛ヲ密生スレドモ、後者中央ノ

凹所ニハ毛ヲ缺ク、觸角ハ少シク濃色、端刺ノ羽狀毛ハ黑褐、胸背ハ暗褐ニシテ前胸背ニ黃褐ノ二
 縱條アリ、中胸背ノ後緣ハ淡黃褐、肩部及ビ胸側片ハ黃白、種類ニヨリ胸背淡黃褐ニシテ褐色ノ縱
 條ヲ有スルモノアリ、前緣、兩側及ビ後緣ニハ黃褐毛ヲ具ヘ、中央ニハ黑毛ヲ裝フ、剛毛ハ總テ黑
 色、翅ハ半透明ニシテ、黃白ヲ帶ビ、翅底ノ半部ハ鼈甲様ノ黃色、脈ハ黃色、橫脈、其周圍並ニ附
 屬脈(Auxiliary vein)ノ末端部ハ暗色、平均棍ハ黃白、頭狀部ニ近ク褐色ノ一小紋アリ、腹部ハ橢圓形
 ニシテ第一節ハ大部暗褐、第二、第三及ビ第四節ノ兩側ニ黑褐紋アリテ、第二節ニアルモノ最モ大
 ナリ、全面光澤アル金色毛ヲ密生シ、黑褐紋上ニハ黑褐毛ヲ混生ス、裏面ハ暗褐、各節ノ兩側ニ黃
 褐紋アリ、脚ハ黃褐、基節ハ暗褐、黑色ノ短毛ヲ裝ヒ、黃色ノ長毛ヲ混生ス、體長(♀)六分一六分五
 厘、開張一寸一分—一寸二分五厘、此ハ本邦稀ナル種類ニシテ、余ハ京都鈴木元治郎及ビ大阪芝川
 又之助ノ兩氏ヨリ得タル三頭ノ標本ヲ有スルノミ、
 分布—本州京都、大阪、

Volucella 6-maculata n. sp. (Pl. XVI, Fig. 27, ♀).

Testaceous. Antennal-process in the middle pitchy borwn, vertex and anterior part of face with short ferruginous
 hairs, a hollow space below the antennae being bare. Antennae ferruginous, plumose hairs of the arista fuscous. Thorax above
 dark brown (one of the specimens being testaceous, with brownish stripes), humeral region, anterior part of thorax and pleurae,
 testaceous, anterior part of thorax in the middle with 2 yellowish stripes; with short ferruginous hairs and in the middle
 with fuscous hairs; on sides and at the hind margin of mesonotum, as well as on the lateral margin of scutellum, with a row
 of macrochaetae. Wings subhyaline, with a pale yellowish shade, its basal half being yellowish; veins yellow, cross-veins

and their environs, as the well as the apical region of auxiliary vein, fuscous. Halteres pale yellow, each with a brownish speck near the knob. Abdomen oblong, the first segment largely fuscous, the second, third and fourth segments each with 2 fuscous spots, those of the second being largest, covered with short golden hairs, mingling some fuscous hairs upon the fuscous spots; venter fuscous, each segment on each side with a testaceous spot. Legs ferruginous, coxae largely fuscous, with some short black and long yellowish hairs.

Length—♀ 18—19.5 mm.; exp. 33—37.5 mm.

Hab.—Honshu (Kyoto and Osaka); collected by Messrs M. Suzuki and M. Shibakawa (rare).

(277)

たいわんひらたあぶ

第十六圖 (27) (♂)

學名 *Didea formosana* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ雄橙黄色、顔ハ金光ヲ放チ、黄色毛ヲ具ヘ、頭頂ニハ暗褐ノ長毛ヲ裝フ、瘤狀突起ニ毛ヲ缺ク、觸角ハ黄褐、第三節ノ背部ハ暗褐ヲ帶ビ、端刺ハ基部ニテ黄色、末端ハ暗褐、胸背ハ暗褐、少シク綠色ヲ帶ビ、中央ニ黑色ノ三縱條ヲ具ヘ、兩側及ビ稜狀部ハ黄褐、黄褐ノ短毛ヲ密生シ、稜狀部ニハ黄褐ノ長毛アリ、翅ハ透明、少シク黄色ヲ帶ビ、殊ニ前縁及ビ副前縁室ハ鼈甲様ノ黄色ヲ帶ブ、脈ハ淡黄褐、平均棍ハ黄色、腹部ハ楕圓形、第一節(兩側紋ヲ除キ)、第二、第三及ビ第四節ノ前後ニアル横帶ハ黑色、但シ第二節ノ前縁ニアルモノハ短カキ廣キ三角形ヲナス、尙關節ノ後縁帶ノ前縁ニモ細キ黑褐條アリテ前縁帶ヲ接續セントス、第三、第四及ビ第五節帶ハ中央ニテ何レモ遮斷ス、第四節ノ後縁ハ少シク鉛色ノ光澤ヲ放ツ、腹面ハ鼈甲様ノ黄色ニシテ第二節ノ中央紋、第三及ビ第

四節ノ一帯之レハ兩側ヨリ前縁ニ一線ヲ出スハ暗褐、脚ハ淡黃褐、基節、轉節及ビ腿節ノ基部ハ黑褐、體長(♂)五分、開張一寸一分、此臺灣ニ産スレドモ餘リ多カラズ、分布—臺灣(臺南、達邦社)、

(附言) 臺灣甘蔗益蟲編(歐文 P. 45)ニ記シアル *Syrphus* ハ *Didea* ノ誤ナルヲ以テ訂正ス、後屬ノ前屬

ト異ナル所ハ第三觸角節ハ末端ニテ少シク細ク、第三縱脈ハ弓狀ニ變曲スルニアリ、

(278) なかくろひらたあぶ

第十六圖 (28) (♂)

學名 *Didea aegrota* F.

昆蟲學上ノ地位 食蚜蠅科

體ハ光澤アル黑色 顔ハ黃白、中央ニ一黑縱條ヲ裝フ、觸角ハ暗褐、第三節ノ上面ハ黃褐、頭頂ニ黑色、顔ニ黃色ノ短毛ヲ密生ス、胸背ハ黑色、兩側ハ褐色、稜狀部ハ淡黃褐、黃褐及ビ暗褐ノ兩毛ヲ裝ヒ、兩側ニアルモノハ黃白ニシテ長ク、稜狀部ニアルモノハ暗褐ナリ、翅ハ透明、翅底ハ少シク黃色ヲ帶ビ、中央ニ廣キ黑褐帶アリテ翅ノ三分ノ一以上ヲ占ム、平均棍ハ黃褐、頭狀部ハ暗褐、腹部ハ橢圓形、第二節ノ兩側ニ橢圓形ノ各一黃紋ヲ具ヘ、第三及ビ第四節ノ前半ハ黃色ニシテ第四節ニアルモノハ細シ、腹面ハ鼈甲様ノ黃色、第二及ビ第三節、第四節ノ後縁並ニ第五節ハ黑色、脚ハ黑褐、前中兩腿節ノ末端、同脛節及ビ同跗節ノ基部ハ黃色、體長(♂)三分六厘—四分五厘、開張八分、臺灣埔里社地方ニ産スレドモ其數多カラザルガ如シ、

分布—臺灣(埔里社)、

(279) みやけひらたあぶ

第十六圖 (29) (♀)

學名 *Chamaesyphus Miyakei* Mats.

昆蟲學上ノ地位 食蚜蠅科

頭ハ黃白、顔ノ中央ハ黃色、頭頂ノ一縱條ハ黑褐ニシテ、觸角砧ニ至ルニ從ヒ其幅ヲ増ス、觸角及ビ觸角砧ハ黑色、尙復眼ノ下方ニ黑褐ノ一細紋アリ、全體黃白毛ヲ裝ヒ、頭頂ノ黑褐條上ニアル毛ハ褐色、複眼ハ黃白毛ヲ簇生ス、口吻ハ暗褐、口部ノ上縁ハ黑褐、胸背ハ暗褐、少シク綠色ヲ帶ズ、判然セザル暗色ノ三縱條アリ、肩部ハ黃白、絹狀ノ光澤ヲ帶ビ、稜狀部ハ淡黃褐ニシテ黃白毛ヲ裝フ、翅ハ透明、少シク暗色ヲ帶ビ、縁紋及ビ脈ハ暗褐、平均棍ハ黃白、腹部ハ黑色、圓柱形ニシテ、中央少シク太ク、第二節ノ前縁ニ青白ノ太キ一帯アリテ、其後縁ノ中央少シク剝ラル、稀ニ二紋ニ分ル、モノアリ、尙ホ第三及ビ第四節ノ前縁ニ近ク一青白帯ヲ裝フ、黑色ノ短毛多シ、尾端ハ光澤ヲ帶ズ、腹面ニテハ第一節及ビ第二節ノ前縁、並ニ第三及ビ第四節ノ前縁黃白、脚ハ黃色、基節ノ轉節及ビ腿節ノ基部ハ黑褐、尤モ後肢ノ腿節ハ大部黑褐ニシテ唯其末端ニテ黃色、體長(♂)四分一四分五厘、開張八分、此ハ樺太地方ニ稀ナラズ、

(附言) 拙著樺太昆蟲編 p. 77 ニアル *Chamaesyphus* 及 *Chamaesyphus* ノ誤ナリ又同處ニ記載シアル (Erster

Beitrag zur Insekten-Fauna von Sachalien, 1911) 雄ハ C. sachalinensis Mats. (からぶとひらたあぶ) ニシテ雌ト

セルハ雄ナリ、合セテ訂正ス、此屬ハ Syrphus ニ酷似スレドモ雄ノ複眼ハ雌ト同様ニ頭頂ニテ廣ク分離スルヲ以テ區別シ得ベシ、

(280) きへりひらたあぶ

第十六圖 (30) (♂)

學名 *Xanthogramma cirrasiatum* Deg.

昆蟲學上ノ地位 食蚜蠅科

體ハ光澤アル綠黒、頭、胸背ノ兩側、中後兩胸側片ノ一紋、稜狀部及ビ腹部ノ斑紋ハ橙黄色、雌ニテハ單眼ノ部分暗褐、尙之レヨリ同色ノ細線ヲ觸角ノ基部ニ送ル、觸角ハ淡黄褐、端刺ハ基部ヲ除キ暗褐、黄白毛ヲ裝ヒ、複眼ニハ黄褐ノ短毛ヲ裝フ、後頭ニ灰白毛アリ、胸背ニ黄毛ヲ密生シ、稜狀部ニハ短カキ黄褐毛ヲ混ズ、翅ハ透明、少シク黄色ヲ帶ビ、脈ハ暗褐、平均棍ハ黄褐、腹部ハ天鵝絨様ノ黒色、第二節以下各節ノ兩側ニ各一紋ヲ具ヘ、第二節ニアルモノハ橢圓形ニシテ廣ク分離ス、第五節ハ黄色ニテ後縁ニ三角形ノ黒褐紋アリ、第四及ビ第五節ノ後縁ハ黄褐、腹面ハ黄白、第一節ハ黒褐、第二、第三及ビ第四節ニ各三黒紋アリテ横置セラレ、中央ニアルモノハ三角形ヲ呈ス、脚ハ淡黄褐、基節及ビ轉節ハ黒褐、後脛節ノ中央ニ黄白ノ一紋アリ、體長(♂)四分一五分、開張八分五厘、此ハ札幌地方ニ普通ナリ、(此屬ハ *Syrphus* ニ酷似スレドモ胸側ニ黄縦條アルヲ以テ容易ニ區別シ得ベシ)。

分布—北海道(札幌)、本州(青森)、歐洲、

(281) あかあしももぶごはなあぶ

第十七圖 (1) (♀)

學名 *Mallota rubripes* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、暗褐ノ長毛ヲ密生ス、頭頂ニハ黑褐ノ長毛多ク、觸角及ビ觸角砧ノ上縁ハ黃褐、複眼ニ黃褐ノ短毛ヲ裝フ、肩部ノ周圍及ビ稜狀部ノ後縁ハ黃褐、翅ハ透明、少シク黃色ヲ帶ビ、翅底ハ暗黃色ヲ帶ブ、脈ハ黃色、外縁脈ハ暗褐、附屬脈前縁脈ノ末端ニ近ク暗褐ノ一點アリ、鱗狀瓣ハ暗黃、同色ノ縁毛ヲ裝フ、平均棍ハ黃色、頭狀部ハ暗褐、腹部ハ稍々圓形ニ近ク、第一及ビ第二節ノ兩側並ニ第四及ビ第五節ニ淡黃褐ノ長毛ヲ裝フ、尙ホ第三節ノ後縁ニモ淡黃褐ノ長毛ヲ混ゼリ、腹面ニテハ基部ノ兩側黃白、尾端ニ淡黃褐ノ長毛ヲ簇生ス、脚ハ淡黃褐、基節、轉節及ビ腿節ノ基部ハ暗褐、淡黃褐ノ長毛多シ、體長(♀)五分、開張一寸二分、此ハ京都鈴木元治郎氏ヨリ送附シ來リタルモノニシテ稀ナルガ如シ、

分布—本州(京都)、

Mallota rubripes n. sp. (Pl. XVII, Fig. 1, ♀).

♀ Dark brown. Head with long and compound eyes with short fuscous hairs. Antennae and the margin of the antennal process ferruginous. Thorax with long fuscous hairs, humerus at the hind margin and scutellum on the posterior half pruinose.

Wings hyaline, with a yellowish shade, at the apices scarcely infuscated, at the bases dirty yellow, veins yellow, those of the outer margin being fuscous, near the tip of the auxiliary vein with a small fuscous spot. Calypteres dirty yellow, with the concolorous long fringes. Halteres yellow, the knobs brownish. Abdomen round, with long fuscous hairs, the 1st and 2nd segments on the sides, as well as the 4th and 5th segments, with long ferruginous hairs, the 3rd on its hind margin mingling some ferruginous hairs; venter fuscous, shining, on the basal sides pale yellowish, at the apex with long ferruginous hairs. Legs ferruginous, with long ferruginous hairs, coxae, trochanter and bases of femora, fuscous.

Length—♀ 15 mm.; exp. 24 mm.

Hab.—Honshu (Kyoto); a very rare species, collected by Mr. M. Suzuki.

(282)

はなばちしもづもあぶ

第十七圖 (2) (♀)

學名 *Nephomyia bombiformis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑綠色、黄白ノ長毛ヲ密生ス、顔ハ光澤アル黑色、口吻狀ニ下方ニ延長シ、前縁ハ深ク剝ラル、觸角ハ黄褐、端刺ハ黑色ニシテ長シ、複眼ニ黄褐ノ短毛多シ、胸背ニアル長毛ハ他ヨリ濃色、翅ハ透明、外半ハ少シク黄色ヲ帶ブ、中央ノ横脈ノ部分ハ暗色、脈ハ翅底ノ半部ニテ黄色、外半ニテ暗色、鱗狀瓣ハ灰白、同色ノ縁毛ヲ裝フ、平均棍ハ淡黄褐、頭狀部ニ褐色ノ一紋アリ、腹部ハ卵形、長毛ハ胸背ノ如ク密ナラズ、腹面ニハ毛少ナク、第一節ノ後縁及ビ第二節ノ基部ハ黄白、尾端ハ下方ニ彎曲ス、脚ハ黑色、腿節ノ末端及ビ脛節(末端ハ褐色)ノ大部ハ黄褐、跗節ハ暗褐、體長(♀)四分五厘、開張一寸一分、此ハ日光ニ捕獲セル珍種ナリ、

分布—本州(日光)。

Nephomyia bombiformis n. sp. (Pl. XVII, Fig. 2, ♀).

♀ Greenish black, covered with long dark grayish hairs. Head black, face shining, without hairs. Antennae and the antennal process at margin ferruginous, the arista long and black. Compound eyes with short ferruginous hairs. Thorax in the middle with long fulvous hairs. Wings hyaline, with a fulvous shade, in the middle at cross-veins with a fuscous nebula; veins on the basal half yellow, on the outer half fuscous. Calypteres grayish white, with the concolorous fringes, halteres pale yellow, the knob with a brownish spot. Abdomen less densely covered with pale fulvous hairs than on the thorax; venter shining, the first segment at the hind margin and the second at the anterior margin pale yellowish, at the apex much curved downwardly. Legs black, femora at the apices and tibiae, except the brown apices, largely ferruginous, tarsi fuscous, beneath with thick ferruginous hairs.

Length 13.5 mm.; exp. 33 mm.

Hab.—Honshu (Nikko); a very rare species.

Nephomyia n. g.

Near *Ansigaster* Wilston.

♀ Head somewhat narrower than the thorax, face black, beak-like produced vertically, in the middle with a low tubercle, oral margin deeply excavated. Antennae short, the 3d joint longer than the 1st and 2nd taken together, nearly quadrate, with a long dorsal arista. Compound eyes separated on its vertex, with short hairs, (probably in the male holoptic), at the vertex a little narrower than at the antennae. Thorax and abdomen thickly covered with long hairs; scutellum usual; abdomen oval, with five segments, the venter excavated, at the apex curved downwardly. Wings somewhat longer than the abdomen, marginal cell open, the 3rd longitudinal vein straight, anterior cross-vein before the middle of the discal cell, somewhat oblique. Legs moderate, hind femora longer and a little thicker than others.

Type—*Nephomyia bombiformis* Mats.

(283)

つなきももぶこはなあぶ

第十七圖 (3) (♂)

學名 *Criorhina apicalis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ雄黒褐、同色ノ長毛ヲ簇生ス、頭ハ三角形ヲナシテ下方ニ延長シ、頭頂ハ觸角砧ノ基部ヨリ少シク廣ク、單眼ハ黃褐ニシテ廣ク相分離ス、顔ハ灰白ノ短毛ヲ密生シ、細長、瘤狀突起ハ黒色、小ニシテ低シ、口縁ハ甚ダシク刳ラル、額片ハ判然ス、觸角砧ハ光澤アル黒色、上縁ハ少シク黃褐、觸角ハ褐色、第三節ハ大ニシテ腎臟形ヲ呈シ、基部ハ淡黃褐、端刺ハ黒褐、口吻ハ光澤アル黒褐ニシテ長ク、末端ハ少シク黃白、翅ハ透明、少シク黃褐ヲ帯ビ、脈ハ黃色、外半ハ暗褐、横脈並ニ第二及ビ第三脈ノ分叉點ノ近邊ハ暗褐ノ曇紋ヲ裝フ、鱗狀瓣ハ灰色、周圍ハ暗褐、平均棍ハ黃白、頭狀部ハ暗褐、腹部ハ長橢圓形ニシテ胸部ヨリ少シク細ク、暗褐、第三、第四及ビ五節ニ黃褐ノ長毛ヲ裝ヒ、第二節以下各節ノ後縁ハ黃褐、第三節ノ基部ニハ黒褐毛ヲ混ズ、腹面基部ノ兩側ハ黃白、脚ハ黒褐、腿節ノ末端、脛節ノ外面及ビ兩端並ニ跗節ハ黃褐、體長(♂)四分、開張八分、此ハ日光中禪寺ニテ捕獲セル珍種ナリ、

分布—本州(日光)

Criorhina apicalis n. sp. (Pl. XVII, Fig. 3, ♂).

♂ Dark brown, with long fuscous hairs. Head black, face covered with short grayish white hairs, proboscis long, pitchy brown. Antennal-process shining black, at the margin narrowly ferruginous; antennae brown, the 3rd joint on the basal half

testaceous; the arista black. Wings hyaline, with a brownish shade, veins on the basal half yellowish, on the apical half fuscous, cross-veins and the forked basal part of the 2nd and 3rd veins somewhat infuscated, calypteres grayish, at the margin fuscous. Halteres pale yellowish, the knobs fuscous. Abdomen oblong, a little narrower than the thorax, the 3rd, 4th and 5th segments with long ferruginous hairs, the 3rd at the anterior margin mingling a few fuscous hairs, all the segments, except the 1st and last, narrowly ferruginous; the venter at the base on each side light yellow. Legs dark brown, tips of femora, both ends of tibiae, as well as their front sides and tarsi, ferruginous.

Length—♂ 12 mm.; exp. 24 mm.

Hab.—Honshu (Chuzenji); a very rare species

It has a close resemblance to the worker of *Bombus ignitus* Sm.

(284)

を も な が は な あ ぶ

第十七圖(4)(♀)

學名 *Merapioidus japonicus* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ光澤アル黒色、顔ノ兩側ニ白色ノ短毛ヲ密生ス、尙頭頂ノ兩側ニモ細キ白色ノ短毛ヲ密生セル部分アリ、後頭ハ灰白、白色ノ長毛ヲ裝フ、觸角ハ褐色、第三節ハ稍々三角形ニシテ少シク淡色、末端ハ尖リ、其尖端ニ黄色ノ端刺ヲ裝ヒ、其末端ハ褐色ヲ帶ズ、胸背ハ中央ニ灰白ノ二縱條ヲ具ヘ、黄白毛ヲ裝ヒ、中央ニハ少シク暗褐毛ヲ混ズ、翅ハ透明、少シク黄褐ヲ帶ビ、脈ハ黄色、外半ニアルモノハ暗褐、横脈及ビ第二並ニ第三脈ノ分叉點ノ近邊ニハ暗褐ノ曇紋アリ、鱗狀瓣ハ白色、同色ノ縁毛ヲ裝フ、平均棍ハ黄白、腹部ハ楕圓形、第一及ビ第二節ノ兩側ニアル三角形ノ一紋、第三、

第四及ビ第五節ノ中央兩側ニアル一横帯ハ灰白、第二節以下各節ノ後縁ハ細ク灰白、灰白毛ヲ装ヒ、其内第一及ビ第二節ノ兩側ニアルモノ長シ、腹面ハ黑色、各節ノ基部ニ灰白帯アリテ、何レモ後縁ノ中央ニテ少シク列ラル、接合膜ハ淡黄褐、脚黑色、腿節ノ末端、脛節及ビ跗節ハ黄褐、但シ脛節ノ基半部ハ淡色、雄ニテハ形小、暗褐、胸背ニ太キ黄白ノ三縦條ヲ具ヘ、雌ニテ灰白ナリシ部分ハ多ク黄白ナリ、體長(♂)三分七厘(♀)四分二厘、開張七分、此ハ札幌地方ニ産スレドモ餘リ多カラズ、分布—北海道(札幌)。

Merapioidus japonicus n. sp. (Pl. XVII, Fig. 4, ♀).

Shining black. Face on the sides with short white hairs, vertex also with fine short whitish hairs. Occiput grayish white, with long white hairs. Antennae brown, the third joint nearly triangular, paler, at the apex pointed, with a apical yellowish arista, at the apex being brown. Thorax in the middle with 2 grayish white stripes, pale yellowish pubescent, in the middle mingling a few fuscous hairs. Wings hyaline, with a fulvous shade, veins yellow, on the outer half fuscous, a nebulous spot at the fork of the 2nd and 3rd veins near the cross-vein, fuscous. Calypteres white, halteres pale yellowish. Abdomen oblong, a triangular spot on each side of the 1st and 2nd segments, as well as a band on each side of the 3rd, 4th and 5th segments, grayish white, with the concolorous hairs. Venter black, at the base of each segment with a grayish white band which being incised in the middle. Legs black, tips of femora, tibiae and tarsi, fulvous, the basal half of tibia being paler. The male smaller, fuscous, thorax with 3 broad pale yellowish vittae, grayish white parts of the female becoming pale yellowish in the male.

Length—♂ 11 mm., ♀ 12.9 mm.; exp. 27 mm.

Hab.—Hokokaido, (Sapporo); not rare.

(285) すゞきふたもんはなあぶ

第十七圖 (5) (♀)

學名 *Ferdinandia Suzukii* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ暗褐ニシテ少シク銅色ヲ帶ブ、頭及ビ顔ハ黃褐、口吻ハ暗褐、觸角ハ黃褐、基部ハ少シク暗色ヲ帶ブ、端刺ハ暗褐、觸角ノ約二倍長アリ、頭頂ニハ黒毛ヲ粗生シ、複眼ニハ白毛ヲ密生ス、後頭ニハ黃色ノ短毛ヲ密生シ、黒毛ヲ混ズ、前胸背ハ灰白、暗褐ノ太キ三縱條ヲ裝フ、稜狀部ハ鼈甲様ノ黃褐、短毛ハ黃色、長毛ハ黑色、翅ハ鼈甲様ノ黃褐、半透明、横脈上ノ斑紋及ビ第四縱脈ノ基部ハ暗褐、平均棍ハ黃色、末端ハ暗褐、腹部ハ楕圓形ニシテ金色ノ短毛ヲ密生ス、兩側ノ基部ニアルモノハ長シ、脚ハ黃色、基節及ビ轉節ハ暗褐、體長四分五厘、開張八分五厘、京都ニテ鈴木元治郎氏ノ採集セルモノナリ、其數餘リ多カラズ、
分布—本州(京都)。

Ferdinandia Suzukii n. sp. (Pl. XVII, Fig. 5, ♀).

♀ Dark brown, with a coppery reflexion. Head and face yellowish. Pronotum fuscous. Antennae yellowish brown, at the base somewhat infuscated, the arista fuscous, the latter being twice as long as the antennae. Vertex with a few black hairs occiput densely covered with short yellowish hairs, mingling some black hairs. Compound eyes densely covered with short white hairs, thorax grayish, anteriorly with 3 broad fuscous stripes. Scutellum yellowish brown, with short yellowish hairs, at the posterior margin with a row of long black hairs. Wings subhyaline, yellowish brown, on the cross-veins and at the base of the 4th longitudinal vein each with a fuscous spot. Halteres yellow, the knobs fuscous. Calypters pale yellowish. Abdomen

oval, quite densely covered with short golden hairs. Legs testaceous, coxae and trochanter fuscous, anterior tarsi at the apices somewhat infuscated.

Length—14 mm; exp. 25 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzukiii.

(286)

くろばこしぼそはなあぶ

第十七圖 (6)

(♂)

學名 *Baccha nubilipennis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、觸角砧ハ光澤アル黑色、頭ニハ黒毛アリ、觸角ハ橙黄色、端刺ハ褐色、基部ハ黄色、顔ハ黄白、黄白ノ短毛ヲ装フ、複眼ハ暗褐、後頭ニハ黒毛ヲ具ヘ、兩側ニハ黄白毛アリ、前胸背ノ肩部ハ灰白、兩側ハ黄褐、中胸背ノ兩側及ビ稜狀部ハ褐色、後者ノ後縁ハ黄褐、翅ハ暗色、翅端ハ灰白、半透明、翅端モ亦少シク淡色ナリ、腹部ハ暗褐、第二節ノ基部並ニ末端ニ近キ兩側ノ各一紋及ビ第三節ノ基部ニ近キ一紋ハ黄色、脚ハ黄色、基節、轉節、後腿節ノ末端ニ近キ一紋、同脛節ノ基部ヲ除キタル大部並ニ同第一跗節末端ヲ除キハ暗褐、體長五分五厘、開張九分、沖繩地方ニ産スレドモ餘リ多カラズ、黒岩恒氏ノ採集ニ係ルモノナリ、分布—沖繩、

Baccha nubilipennis n. sp. (Pl. XVII, Fig. 6, ♂).

♂ Black. Antennal-process shining black. Antenna: orange yellow, the arista brown, at the base yellowish. Face pale

yellow, with the concolorous hairs. Occiput with black hairs, tempora densely covered with yellowish hairs. Humerus grayish white, shining. Pleurae yellowish brown, mesonotum on the sides and scutellum brown, the latter at the posterior margin testaceous. Wings fuscous, at the bases subhyaline, grayish white, at the apices somewhat paler. Abdomen fuscous, the 2nd at the base on each side and a spot near the posterior margin of the same segment on each side, as well as a spot near the anterior margin of the 3rd segment yellowish, underside on the basal half yellowish. Legs yellowish, coxae, trochanter, a spot near the apex of the posterior femur, the same tibia except the extreme base and the same metatarsus except the apex, fuscous.

Length.—15.6 mm.; exp. 27 mm.

Hab.—Okinawa, collected by Mr. M. Kuroiwa.

(287)

まへきこしぼそはなあぶ

第十七圖 (7) (♂)

學名 *Baccha fulvicostalis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黃色、頭頂、觸角砧並ニ顔ノ中央ヲ縱走セル一條ハ暗褐、觸角ハ黃色、端刺褐色ニシテ基部ハ黃白、胸背ハ暗褐、前胸背ノ兩側並ニ稜狀部ハ黃色、黃白ノ短毛ヲ粗生ス、翅ハ透明、脈並ニ前縁及ビ末端黃褐、平均棍黃色、腹部ノ第二節ハ次節ヲ全部合シタルモノト約同長、第二節ノ末端ニ近キ一紋並ニ第三節ノ基部兩側ニアル一大紋ハ褐色、第三及ビ第四節ノ後縁ニアル各一帶ハ暗褐、但シ第四節ニアル帶ハ前縁ニテ一齒狀突起ヲ出ス、第三及ビ第四腹面節ノ基部ニ暗色ノ一帶アリ、脚ハ黃色、腿節及ビ脛節ノ末端並ニ第一跗節ノ基半部ハ黃褐、體長(♂)三分、開張四分四厘、臺灣産ニシテ鈴木元治郎氏ノ採集ニ係ルモノナリ、其數多カラズ、

分布—臺灣、

Baccha flavicostalis n. sp. (Pl. XVII, Fig. 7, ♀).

Yellow. Vertex, the antennal-process and a middle stripe of the face, fuscous. Antennae yellow, the arista brown, the latter at the base being pale yellowish. Thorax fuscous, its sides and scutellum yellowish, with short pale yellowish hairs. Wings hyaline, veins and anterior margin, as well as the apex, yellowish brown. Halteres yellowish. Abdomen very narrow on the basal half, the 2nd segment as the long as the following segments taken together, a spot near the apex of the 2nd and a spot on each anterior side of the 3rd, brownish, hind margin of the 3rd and 4th segments fuscous, the latter band in the middle with a small projection anteriorly. The 3rd and 4th ventral segments on each hind margin with a fuscous band. Legs yellow, the apices of the femora and tibiae yellowish brown.

Length—6 mm.; exp. 13.2 mm.

Hab.—Formosa (collected by Mr. M. Suzuki).

(288)

むつぼしはちもぐもはなぬぶ

第十七圖(8) (♀)

學名 *Vespiomyia 6-maculata* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、頭頂及ビ觸角ハ頗ル光澤アリ、後頭ノ兩側ニ短カキ白毛ヲ密生シ、尙顔ニモ灰白ノ鱗毛ヲ装ヒ、頬ニハ灰白毛アリ、觸角ハ橙黄色、第三節ハ稍々圓形ヲ呈シ、端刺ハ觸角ノ約二倍長アリ、口吻及ビ觸鬚ハ黄褐、前胸背ノ肩部ニ一褐紋ヲ具ヘ、胸背ノ中央ニ灰白ノ一紋條アリテ之レハ後縁ニ達セズ、後縁ニ三角形ヲナセル二個ノ灰白縦紋アリテ稍々相平行ス、其兩側ニモ同様ノ一縦條ア

稜レドモ餘リ判然セズ、狀部ニハ灰白ノ短毛ヲ裝フ、前翅ハ灰黃、半透明、翅底脈並ニ綠紋ハ淡黃褐、外縁ニアル脈ハ暗褐、平均棍ハ淡黃褐、腹部ハ基部ニテ細ク、末端ニテ卵形ヲナス、第二節ノ基部及ビ中央ニアル兩側ノ楕圓紋、第三節ノ基部ニ近キ一帶中央ニテ遮斷ス並ニ第四節ノ一帶中央ニテ遮斷スハ黃褐、全體黃白ノ短毛多シ、腹面ノ基半部ハ淡黃褐、脚ハ黃色、基節及ビ轉節ハ暗褐、前跗節ハ褐色、後肢ハ黑色、腿節及ビ脛節ノ基部ハ黃色、初メノ二跗節ハ淡黃褐、残りノ跗節ハ褐色、體長四分、開張七分五厘、七月中旬札幌近傍ノ山地ニ稀ナラザル種類ニシテ花ニ捕獲シ得ベシ、分布—北海道、

Vespiomyia n. g.

♀ Head as broad as the thorax, face shining black, the antennal-process slightly elevated. Antennae short, the 3rd joint short oval, much longer than the 1st and 2nd taken together, the arista somewhat twice as long as the antennae. Oral margin somewhat produced downwardly, at the anterior margin somewhat excavated. Palpi small and narrow, proboscis short. Compound eyes widely separated on the vertex, bare. Thorax covered with short hairs. Abdomen at the 1st and 2nd segments narrower, especially at the anterior margin of the 2nd segment clavate. Wings distinctly longer than the abdomen, marginal cell open, the 3rd longitudinal vein straight, anterior cross-vein near the middle of discoidal cell, somewhat oblique. Legs moderate, hind legs much elongated, coxae large, femora a little thickend, much longer than the tibiae, metatarsus more than twice as long as the 2nd joint. In the shape it resembles much to a certain species of *Vespidae* as *Polistes*.

Type-*Vespiomyia 6-maculata* Mats.

Vespiomyia 6-maculata Mats. (Pl. XVII, Fig. 8, ♀).

♀ Black. Vertex and the antennal process shining. Occiput on the sides covered with short grayish hairs. Head in the

middle and face thinly covered with grayish scally hairs, cheeks with a few long grayish hairs. Antennae orange yellow, the 1st joint somewhat deeper in color, the arista yellow. Humerus with a testaceous spot. Thorax covered with a few short hairs, in the middle with a grayish white longitudinal stripe, not reaching to the posterior margin; on the posterior margin with 2 triangular grayish spots. Scutellum at the hind margin on each side brown. Wings subhyaline grayish yellow, at the apex somewhat infuscated, basal half, the stigma and veins, yellowish, apical veins being fuscous. Abdomen with 3 testaceous bands, respectively on the 2nd, 3rd and 4th segments, each being interrupted in the middle, those of the 2nd segment being placed much obliquely and each of the 3rd and 4th near the anterior margin. Legs yellow, coxae and trochanter fuscous, the anterior tarsi brownish, posterior legs black, femur and tibia at the bases yellow, tarsi testaceous, apical two joints being brownish.

Length—12 mm.; exp. 22.5 mm.

Lab.-Hokkaido (Sapporo); collected by the author on a certain umbell; ferous flower near Jozankei.

(289)

すゞきながはなあぶ

第十七圖 (9) (♀)

學名 *Spilomyia Suzukii* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ暗褐、頭ハ黃色、觸角砧及ビ其直上ノ一縱條及ビ單眼ノ部分ハ暗褐、觸角ハ黃褐、第二節ノ上部ハ暗褐、第三節ハ卵形ニシテ、第二節ヨリモ少シク短カシ、顔ノ中央ニ褐色ノ判然セザル一縱條アリ、口ノ内部ハ黑褐、上縁ノ兩側ニ疣狀突起アリ、口吻及ビ觸鬚ハ黃褐ニシテ、肩部、其後方ノ一點、側片、胸背ノ兩側ニアル弓狀紋、後縁ニアル半圓紋並ニ稜狀部ノ後縁ハ淡黃褐、褐毛及ビ黒毛ヲ裝フ、翅ハ半透明、少シク黃色ヲ帶ビ、翅底及ビ中央ノ大紋並ニ脈ハ黃褐、但シ外縁ニアル脈

ハ暗褐、鱗狀瓣並ニ平均棍ハ黃白、腹部ハ長ク、兩側ハ相平行シ、前半ハ暗褐ナレドモ後方ニ至ルニ從ヒ暗褐トナル、第一節基部ノ兩側、第二乃至第四節ノ前縁ニ近キ一帯及ビ後縁ハ淡黃褐、但シ各前縁ニアル一帯ハ中央ニテ少シク遮斷ス、腹面ハ暗褐、各後縁ハ淡黃褐、脚ハ淡黃褐、跗節ハ少シク褐色ヲ帶ビ、脛節ノ兩端ハ淡色、體長五分五厘、開張一寸、此ハ京都ノ産ニシテ鈴木元治郎氏ノ採集セルモノナリ、餘リ餘カラザルガ如シ、
分布—本州(京都)。

Spilonymia Suzukii n. sp. (Pl. XVII, Fig. 9, ♀).

♀ Dark brown. Head yellow; occiput, the antennal-process and a longitudinal bar just above it, fuscous. Oral opening in the middle fuscous, on each side anteriorly with a small tubercle. Proboscis and palpi yellowish brown. Eyes yellowish brown, with a fuscous band in the middle. Humeral part, a spot just behind it, pleurae, a bow-shaped stripe on each side of the mesonotum, a semicircular ring on the posterior margin of the same, as well as the posterior margin of the scutellum, testaceous. Wings subhyaline, yellowish brown at the base and in the middle, veins testaceous; those of the outer margin being fuscous. Calypteres and halteres pale yellow. Abdomen parallel on sides, on the posterior half somewhat paler than the ground color, the 1st segment at base on each side, each middle band and each posterior margin of the 2nd, 3rd and 4th segments, the former being interrupted in the middle narrowly, yellowish brown. Venter fuscous, each hind margin of the segments yellowish brown. Legs testaceous, tarsi brownish, hind femur beneath near the apex with a blunt tooth, tibiae somewhat paler at the bases. Length—16.5 mm.; exp. 30 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki.

(290)

やえやまながはなめぶ

學名 *Milesia yayeyamana* Mats.

第十七圖 (10)

(♀)

昆蟲學上ノ地位 食蚜蠅科

體ハ黄金色、頭頂ノ細キ一縦條ハ暗褐、觸角砧ハ光澤ヲ帶ビ、籠甲色、觸角ハ淡黃褐、端刺ハ黃色、口吻及ビ觸鬚ハ黃褐、複眼ハ暗褐、胸背ノ中央ヲ縱走スル太キ一線並ニ其兩側ニアル二大紋ハ暗褐、稜狀部ハ黃褐、籠甲色、基部ハ少シク暗色ヲ帶ブ、翅ハ黃褐、半透明、後縁ハ淡色ニシテ少シク灰色ヲ帶ブ、鱗狀瓣及ビ平均棍ハ黃色、腹部ハ暗褐、第二乃至第四節ノ兩側ニ楕圓形ノ黃紋アリテ横置セラレ、第四節ノ後半ハ黃褐、尙第二及ビ第三節ノ後縁ニ近ク黃褐ノ判然セザル細キ一帯アリ、腹面ハ暗褐、各節ノ基部ハ黃褐、脚ハ黃色、腿節ハ淡黃暗、後腿節ハ少シク太ク、中央ニ暗褐ノ一太紋ヲ具ヘ、同末端ニ近ク一齒狀突起アリ、後脛節ハ太ク、少シク弓狀ニ曲ル、體長八分、開張一寸三分、此ハ沖繩八重山ノ産ニシテ黒岩恒氏ノ採集ニ係ルモノナリ、
分布—沖繩(八重山)

Melesia yayeyamana n. sp. (Pl. XVII, Fig. 10, ♀).

Golden yellow. A narrow longitudinal stripe on the vertex fuscous. The antennal-process shining testaceous; antennae testaceous, the arista paler. Proboscis and palpi yellowish brown. Eyes fuscous. A broad longitudinal stripe in the middle of thorax and 2 large spots on each side, fuscous. Scutellum yellowish brown, at the base somewhat fuscous. Wings subhyaline, yellowish brown, at the hind margin grayish. Calypteres and halteres yellow. Abdomen fuscous, the 2nd, 3rd and 4th segments on each side with an oblong yellowish spot, posterior margin of the 4th segment yellowish brown; near the posterior margin of each of the 2nd and 3rd segments with a narrow yellowish brown band. Vertex fuscous, each segment at the base yellowish brown. Legs yellow, femora testaceous, hind femur in the middle with a large fuscous spot, apical tooth being of a moderate size.

Length—24 mm.; exp. 40 mm.

Hab.—Okinawa (Yayeyama); collected by Mr. M. Kuroiwa.

(291) をきなはながはなあぶ

第十七圖(11) (8)

學名 *Milesia elegans* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、顔ハ淡黃褐、金色ノ短毛ヲ密生ス、頬ノ兩側ニ暗褐ノ一紋アリ、觸角砧ニ毛ヲ缺キ、基部ニ一褐紋アリ、後頭ハ暗褐、頭頂ハ灰黃、暗褐ノ長毛ヲ粗生ス、口吻及ビ觸鬚ハ褐色、複眼ハ葡萄様ノ紫黑色、胸背ニ暗褐毛多シ、前胸背ノ肩部ハ橙黃色、中胸背ノ細キ二縱條並ニ之レト直角ヲナセル一橫線ハ黃白、尙中胸背ノ後緣ニモ黃白ノ一橫紋アレドモ餘リ判然セズ、稜狀部ノ後緣ハ赤褐、翅ハ淡黃褐、半透明、翅底及ビ前緣並ニ其脈ハ鼈甲色ヲ呈ス、他ノ脈ハ褐色、鱗狀瓣並ニ平均棍ハ黃色、腹部ハ長ク尾端ニ至リテ少シク細マル、第二節ノ後緣ニ近キ一帶、第三節ノ前緣ノ兩側ニアル一三角紋、同後緣並ニ第四節ノ大部ハ黃褐、但シ第四節ニハ第三節同様ノ斑紋アレドモ餘リ判然セズ、暗褐毛ヲ裝ヒ、後緣及ビ兩側ニアルモノハ長シ、腹面ハ黃色、第一節ノ一紋、第二及ビ第三節ノ三角大紋ハ暗褐、第四節ニモ同様ノ大紋アレドモ餘リ判然セズ、脚ハ黃色、後腿節ノ中央ニ暗褐ノ大紋ヲ具ヘ、暗褐ノ長毛多シ、末端ニ近キ一齒狀突起モ亦有毛ナリ、跗節ハ末端ヲ除キ褐色、體長八分五厘、開張一寸三分、此ハ沖繩ニテ黑岩恒氏ノ採集セルモノナリ、
分布—沖繩、

Milesia elegans n. sp. (Pl. XVII, Fig. 11, ♂).

Black. Face testaceous, covered with short golden hairs, antennal-process, a middle stripe of the face and the antennae, yellowish brown; a basal spot of the antennal-process brown and a spot of the cheek black; occiput fuscous, vertex dirty yellow. Thorax covered with fuscous hairs, humerus orange yellow, a L-shaped mark on each side of the mesonotum grayish yellow, a cross-band at the base of the mesonotum also grayish yellow, scutellum at the posterior margin reddish brown. Wings subhyaline, grayish yellow, the base and costal region, as well as its veins yellowish brown, the other veins brown. Calypteres and halteres yellow. Abdomen long, narrower towards the apex, a band of the 2nd segment near the hind margin, a basal triangular spot on each side of the 3rd segment, the apical half of the same, as well as the larger part of the 4th segment, yellowish brown; the 4th segment marked as that of the 3rd, but not distinct, hairs fuscous, those of the apex and the sides being longer. Venter yellowish, each segment on the hind margin with a fuscous spot, those of the 2nd and 3rd being triangular. Legs golden yellow, femora yellowish brown, the hind femur with long fuscous hairs and in the middle with a large fuscous spot, its apical tooth being blunt and with fuscous hairs; tarsi except the apical joints brownish.

Length—25.5 mm.; exp. 39 mm.

Hab.—Okinawa, collected by Mr. M. Kuroiwa.

(292) にっくわうひらたにあぶ

第十七圖 (12) (♀)

學名 *Brachyopa nikkoensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黃褐、觸角ハ淡黃褐、觸角砧ノ兩側ニ黑點アリ、第三節ハ卵形ニシテ初メノ二節ヲ合シタルモノト約同長、端刺ハ全長ヨリモ少シク長シ、口部ハ前方ニ突出ス、口吻及ビ觸鬚ハ褐色、頭頂及ビ

後頭ハ濃色、黄褐及ビ暗褐ノ短毛ヲ装フ、胸背ハ黑色、兩側及ビ稜狀部ハ黄褐、鱗狀瓣及ビ平均棍ハ黄色、腹背ノ初メノ三節ハ黑色、各兩側ニ大ナル一橙黄紋ヲ具ヘ、後方ニ至ルニ從ヒ其紋大ナリ、第四節ノ中央ニ逆丁字形ノ暗色紋ヲ具ヘ、各腹面節ノ中央ニ暗褐ノ弓狀帶アリ、翅ハ透明、黄褐ヲ帶ビ、脈及ビ縁紋ハ黄褐、翅端ニ近ク判然シタル一暗色紋アリ、脚ハ黄褐、脛節ノ末端及ビ跗節ハ黄色、體長四分三厘、開張八分、此ハ日光ニテ採集セルモノナルガ餘リ多カラズ、
分布—本州(日光)。

Brachyopa nikkoensis n. sp. (Pl. XVII, Fig. 12, ♀).

Yellowish brown. Face orange yellow, occiput reddish yellow. Antennae yellowish brown, on each side of the antennal-process; with a small fuscous spot, the arista somewhat longer than the antennae. Proboscis and palpi brownish. Thorax black, with some aeneous reflexion, on the sides and the scutellum yellowish brown. Calypteres and halteres yellow. Abdomen oblong, broadest in the middle, the first three segments black, each with a orange yellow spot on the side, which becoming larger towards the apex, the 4th in the middle with an inversed T-shaped fuscous spot. Venter pale: towards the base, each segment in the middle with a bow-shaped fuscous band. Wings hyaline, yellowish brown suffused, veins and stigma yellowish brown, near the apex with a cloudy fuscous spot. Legs yellowish brown, tibiae at the basis and tarsi golden yellow.

Length—13 mm.; exp. 24 mm.

Hab.—Honshu (Nikko); collected by the author; not common.

(293)

こよはらはなめぶ

學名 *Eristalis toyoharensis* Mats.

第十七圖 (13)

(♀)

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、顔ハ黃白、中央ノ一縱條ハ黑色、下方ノ突起ハ判然ス、頬及ビ口部ハ黑色、觸角暗褐、觸角砧ノ末端ハ黃褐、眼ニ褐毛ヲ密生ス、胸背ノ前縁及ビ兩側ニ黃色毛多ク、中胸背ハ灰黃、黑色ノ三縱條アリテ、中央相癒合ス、稜狀部半透明ニシテ暗黃色、黒毛ヲ裝ヒ、後縁ニハ黃白毛アリ、翅ハ透明、脈ハ暗褐、横脈ノ周圍及ビ横脈間ノ脈ニ沿フテ暗褐ヲ呈スル部分アリ、鱗狀瓣及ビ平均棍ハ灰黃、後者ノ頭狀部ハ暗色、腹部ハ胸部ヨリモ廣ク、第一節ハ灰黃ニシテ黃毛多ク、他節ハ黑色ニシテ黃毛ヲ粗生ス、第一腹面節ノ兩側ハ黃褐、脚ハ黑色、腿節ノ末端及ビ脛節ノ基部ハ白色、體長四分二厘、開張八分四厘、此ハ樺太豊原ニテ余ノ採集セルモノナルガ稀ナラズ、
分布—樺太(豊原)、

Eristalis toyoharensis n. sp. (Pl. XVII, Fig. 13, ♀).

Black. Face pale yellowish, a middle stripe black and shining, a tubercle near the epistoma conspicuous, cheeks and epistoma shining black. Antennae fuscous, the antennal-process on the apex testaceous, compound eyes densely covered with fuscous hairs. Thorax grayish yellow, on the sides with long yellowish hairs, mesonotum with 3 broad stripes, which being united on the posterior half, scutellum dirty yellow, with fuscous long hairs, on the posterior margin with yellowish hairs. Calypteres and halteres yellow, the latter with a fuscous knob. Wings hyaline, veins fuscous, cross-veins and the veins between these cross veins lined with fuscous. Abdomen broader than the thorax, the first segment dirty yellow, with long yellowish hairs, the remaining segments black and with a few yellowish hairs. The 1st ventral segment on each side with a testaceous spot. Legs black, apices of the femora and bases of the tibiae, white.

Length—13 mm.; exp. 26 mm.

Had.—Saghalien (Toyohara); collected by the author (not rare).

(294) すゞきベツかうはなあぶ

第十七圖 (14) (♂)

學名 *Volucella Suzukii* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黃褐、複眼ハ暗褐、觸角ハ少シク褐色ヲ帶ズ、端刺ハ淡色ニシテ其羽狀毛ハ更ニ一層淡色ナリ、口吻及ビ下唇鬚ハ黃褐、複眼ハ暗褐毛ヲ缺ク、胸背ノ兩側、後縁及ビ稜狀部ニ黃褐ノ剛毛ヲ裝フ、翅ハ淡黃褐、半透明、脈及ビ縁紋ハ黃褐、鱗狀瓣及ビ平均棍ハ黃褐、後者ハ少シク淡色、腹部ハ暗褐、橢圓形ニシテ胸部ヨリモ廣ク、暗褐毛及ビ金色ノ短毛多ク、兩側ニアルモノハ金色ナリ、腹面ノ基部ハ光澤アル褐色、脚ハ黃褐、後腿節ハ少シク濃色ナリ、體長五分六厘、開張九分五厘、此ハ京都ノ産ニシテ鈴木元治郎氏ノ採集ニ係ルモノナリ、餘リ多カラズ、分布—本州(京都)。

Volucella Suzukii n. sp. (Pl XVII, Fig. 14, ♂).

Yellowish brown. Compound eyes fuscous, bare. Antennae brownish, the arista yellowish brown, the plumose hairs testaceous. Proboscis and palpi yellowish brown. Thorax on the sides and the posterior margin, as well as scutellum, with yellowish brown macrochaetae. Wings testaceous, subhyaline, veins and stigma yellowish brown. Calypteres and halteres yellowish brown, the latter somewhat paler in color. Abdomen oblong, broader than the thorax, fuscous, with short fuscous hairs, the hairs on the sides being golden yellow; venter on the basal half somewhat paler in color. Legs yellowish brown, the hind femur brownish.

Length—16.8 mm.; exp. 28 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki.

(295) てらうちベツかうはなあぶ

第十七圖 (15) (♀)

學名 *Volucella Terauchii* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ光澤アル淡黃褐ニシテ鼈甲色ヲ呈ス、口部ハ圓錐形ヲナシテ、下方ニ突出シ、黒毛ヲ裝フ、觸角ハ黃褐、端刺ハ淡黃褐、羽狀毛ハ暗褐、頭ハ暗黃ニシテ、黃毛ヲ裝フ、複眼ハ赤褐、黃褐ノ短毛多シ、胸背ニ黃褐毛多ク、中胸背ノ兩側ニ黒褐ノ三剛毛アリ、稜狀部ハ黃色、翅ハ透明、脈ハ淡黃褐、中央ノ一紋及ビ翅ノ外縁ハ(廣ク)暗灰色、橫脈ハ暗褐、腹部ハ暗褐、第一節並ニ第二及ビ第三節ノ後縁ハ細ク黃褐、裏面ニテハ第一節、第二節ノ兩側及ビ後縁並ニ次ノ二節ノ後縁ハ細ク黃褐、暗褐毛多ク、各節ノ後縁及ビ兩側ニアルモノハ金色ナリ、脚ハ淡黃褐、後腿節ノ基部ハ褐色、體長五分、開張一寸一分、此ハ臺灣魚池ニテ寺内又男氏ノ採集セルモノナリ、分布—臺灣(魚池)。

Volucella Terauchii n. sp. (Pl. XVII, Fig. 15, ♀).

Shining testaceous, with a golden luster. Proboscis long, conically produced downwardly, with short black hairs; antennae yellowish brown, the arista paler, the plumose hairs fuscous; vertex dirty yellow, with yellowish hairs. Compound eyes

reddish brown, with short fulvous hairs. Thorax with golden hairs, mesonotum on each side with 3 black macrochaetae. Scutellum yellowish. Wings hyaline, veins yellowish brown, a middle cloudy spot pale fuscous, the apex quite broadly somewhat infuscated. Abdomen fuscous, the 1st segment, as well as the hind margin of each of the 2nd and 3rd segments, yellowish brown, with short yellowish and fuscous hairs, hairs on the sides being mostly yellowish. Ventral segments on each hind margin and the 2nd on the sides testaceous. Legs testaceous, the hind femur at the basal half brownish.

Length—16 mm.; exp. 33 mm.

Hab.—Formosa (Gyochi near Horisha); collected by Mr. M. Terauchi.

(296) すかしベツかうはなあぶ

第十七圖 (16) (♂)

學名 *Volucella pellucens* L. var. *japonica* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、頭ハ淡黃褐、口部ハ圓錐形ヲナシテ下方ニ突起シ、黑色ノ短毛ヲ粗生ス、觸角ハ橙黃色、羽狀毛ハ暗褐、口吻及ビ觸鬚ハ暗褐、複眼ニハ暗褐ノ短毛ヲ密生ス、頭頂ハ暗褐、胸部ハ光澤ヲ帶ビ、黑色ノ短毛多シ、稜狀部ハ褐色、翅ハ透明、翅底ハ少シク黃色ヲ帶ビ、外縁ノ半部ハ脈トモ灰色、中央ニ雲様ノ暗褐紋ヲ具ヘ、縁紋モ亦暗褐ナリ、鱗狀瓣ハ褐色、後縁及ビ縁毛ハ黃色、平均棍ハ黃色、腹部ハ黑色、第二節ハ黃白、脚ハ黑色、前中兩脛節ノ基半部ハ黃褐、體長四分五厘、開張一寸、此ハ札幌地方ニ産スレドモ稀ナリ、分布—北海道(札幌)、原種ハ歐洲及ビ西比利亞ニ産ス、

Volucella pellucens L. var. *japonica* n. (Pl. XVII, Fig. 16, ♂).

Differs from the type as follows:

Wings at the base not yellowish, the middle cloudy spot not distinct, the apical half distinctly grayish. The 2nd abdominal segment in the middle lacks the fuscous longitudinal bar.

Hab.-Hokkaido (Sapporo); not common, collected by the author.

(297) もごごまりくろはなあぶ

第十七圖 (17) (♀)

學名 *Cheliosia motodomariensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑褐、少シク銅色ノ光澤ヲ帶ブ、觸角ノ第三節ハ稍々圓形ニシテ灰黄ノ光澤アル短毛ヲ密生ス、端刺ハ褐色、灰黄ノ短毛多シ、觸角砧ノ上縁ハ黄褐、頭頂及ビ複眼下方ノ内側ニハ黄色ノ長毛ヲ裝ヒ、頭頂ノ中央ニハ淺キ一縱溝アリ、頬ニハ灰白毛ヲ密生シ、口吻ハ暗褐、複眼ニハ灰白毛ヲ密生ス、前胸背ニ黄褐毛、中胸背ノ中央ニハ黑毛、後縁ニハ黄褐毛、稜狀部ニハ黄白毛ト黑毛ヲ混ジ、其後縁ニハ黄白ノ長毛ヲ裝フ、胸側ニハ灰白ノ長毛多シ、翅ハ透明、少シク灰色ヲ帶ビ、脈ハ黄色、外半ニテハ暗褐、中央ニ黄褐ノ判然セザル雲様紋アリ、鱗狀瓣及ビ平均棍ハ淡黄褐、腹部ハ中央ニテ幅廣ク、第一及ビ第二節ノ基部ハ灰白、灰白毛多シ、第二節ノ後縁並ニ第三及ビ第四節ニ黄褐毛ヲ裝ヒ、第四節ノ後縁ニ灰白ノ長毛アリ、脚ハ黑褐、跗節ノ下面ニハ金色毛多シ、體長四分、開張八分、此ハ樺太元泊ニテ採集セルモノナリ、
分布—樺太(元泊)。

Cheliosia motodomariensis n. sp. (Pl. XVII, Fig. 17, ♀).

Dark brown, with some coppery reflexion. The 3rd antennal joint nearly round, with short silky dirty yellow hairs, the arista brown, with short dirty yellowish hairs, the antennal-process above testaceous; vertex and the inner margin of the eyes below the antennae with long yellowish hairs; cheeks with grayish white hairs. Proboscis fuscous. Compound eyes with grayish white hairs. Thorax on the anterior and posterior parts with yellowish brown hairs and the middle part with fuscous hairs, on the sides with long grayish white hairs, scutellum mingling some fuscous and pale yellowish hairs, on its posterior margin with long pale yellowish hairs. Calypteres and halteres testaceous. Wings hyaline, somewhat grayish, veins testaceous, on the outer half fuscous, a nebula-spot in the middle yellowish brown. Abdomen in the middle much broader, the 1st and the basal half of the 2nd segment grayish, with grayish white hairs, the posterior half of the 2nd segment, as well as the 3rd and 4th segments, yellowish brown pubescented, the hind part of the 4th with long grayish hairs. Legs fuscous, the undersides of the tarsi golden yellow pubescented.

Length—12 mm.; exd. 24 mm.

Hab.—Saghalien (Motodomari); many specimens collected by the author.

(298)

いッしきはそくろはなあぶ

第十七圖 (18) (♀)

學名 *Stenocheilosia* *Isshikii* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ暗褐、頭及ビ胸背ハ銅色ヲ帶ブ、觸角ハ長ク、第三節ハ橢圓形ニシテ褐色。基部ハ黃褐、端刺ハ黃褐、黑褐ノ短毛多シ、頭頂ニハ黑毛ヲ粗生シ、複眼ノ内側ニハ黃褐ノ短毛ヲ密生ス、頭ノ中央ニ瘤狀ノ一突起ヲ具ヘ、尙口ノ上縁ニモ同様ノ一突起アリ、口吻ハ暗褐、末端及ビ兩鬚ハ黃褐、複

眼ニ毛ヲ缺ク、胸背ニハ金色ノ短毛ヲ装ヒ、稜狀部ノ後縁ニ淡黃褐ノ長毛アリ、鱗狀瓣及ビ平均棍ハ淡黃褐、翅ハ透明、少シク暗褐ヲ帶ビ、脈ハ暗褐、翅底及ビ第一縦脈ハ黃褐、縁紋ハ黃褐、腹部ハ細長、第三節ノ末端ニテ最モ廣シ、黃褐ノ短毛ヲ装フ、尾端ハ少シク黃褐、各腹面節ノ後縁ハ黃褐、脚ハ黃色、基節、後腿節ノ末端ニ近キ一大紋、同脛節ノ外半(末端ヲ除キ)並ニ跗節ノ大部(第一節ノ末端ヲ除キ)ハ暗褐、體長三分八厘、開張七分、此ハ一色周知氏ノ大和國大臺ヶ原ニテ採集セルモノナリ、
分布—本州(大和)。

Stenocheilosia Isshikii n. sp. (Pl. XVII, Fig. 18, ♀).

Dark brown, head and thorax with some coppery luster. Antennae long, the 3rd joint oblong, brownish, at the base yellowish brown, the arista yellowish brown, with short fuscous hairs; vertex with few black hairs, the inner sides of the eyes densely covered with short testaceous hairs; on the lower part of the face with a shining; and another tubercle near the epistoma. Proboscis fuscous, its apex and palpi testaceous. Eyes bare. Thorax above with short golden hairs, scutellum on the posterior margin with 2 long testaceous hairs. Calypteres and halteres testaceous. Wings hyaline, with some fuscous tinge, longer than the abdomen, veins fuscous, at the base and the 1st longitudinal vein testaceous. Abdomen long, broadest at the apex of the 3rd segment, with short yellowish brown hairs, pygidium testaceous. Legs yellow, coxae, a large spot near the end of the posterior femur, the apical half of the tibia (except the extreme apex), as well as the larger part (except the extreme apex of metatarsus) of the same tarsi fuscous.

Length—11.4 mm.; exp. 21 mm.

Hab.—Honshu (Odaigahara in Yamato). Few specimens collected by Mr. S. Isshiki.

Stenocheilosia n. g.

Much resembles to *Cheilosia* Meig. but differs from the latter as follows.

1. Body narrow, nearly linear.
2. Antennae long, reaching to the middle of the facial tubercle, the 3rd joint oblong, nearly as long as the foregoing joints taken together; near the upper margin of the epistoma with a tubercle; proboscis much longer than in *Cheilosia*.
3. Compound eyes bare.
4. Scutellum conical, on the hind margin with 2 long hairs.
5. Abdomen narrow and flat.
6. Legs narrower and with few hairs.

Type.—*Stenocheilosia Issikihi* Mats.

(299)

まがくろはなあふ

第十七圖

(♀)

學名 *Chrysogaster semiopaca* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、青銅色ノ光澤アリ、觸角ハ黒褐、第三節ノ末端並ニ端刺ノ附着部ハ少シク暗褐、端刺ハ暗褐、顔ニハ瘤狀突起ヲ缺キ、口部ノ上縁ハ高ク突出シ、少シク紫藍色ヲ帶ビ、黄褐ノ短毛ヲ裝フ、口吻ハ暗褐、複眼ニ毛ヲ缺キ、胸背ニハ灰白ノ短毛ヲ粗生ス、翅ハ透明、少シク黄色ヲ帶ビ、脈及ビ縁紋ハ淡黄褐、鱗狀瓣ハ灰白、後縁ハ暗色、平均棍ハ暗黄、頭狀部ハ少シク暗色ヲ帶ブ、腹部ハ暗褐、卵形、第二節ノ兩側ニ灰白ノ一紋ヲ裝ヒ、半透明ノ觀アリ、第二節ノ基部及ビ第一節ハ灰白、

腹面ハ灰白、末端ハ少シク暗色ヲ帶ブ、脚ハ褐色、跗節ハ黃褐、體長二分五厘、開張四分七厘、此ハ京都ニテ鈴木元治郎氏ノ採集セルモノナリ、分布—本州(京都)。

Chrysogaster semiopaca n. sp. (Pl. XVII, Fig. 19, ♀).

Black, shining, with an aeneous reflexion. Antennae yellowish brown, apex of the antenna and the insertion of the arista somewhat fuscous, the arista fuscous. The upper margin of the epistoma much elevated, with a light purple bluish tinge, sparsely yellowish brown pubescent. Proboscis fuscous. Thorax with short grayish hairs. Wings hyaline, with a yellowish shade, veins and stigma testaceous. Calypteres grayish white, the hind margin infuscated, halteres grayish, the knobs infuscated. Abdomen oval, fuscous, the 2nd segment on each side with a grayish white spot, somewhat semiopapae, the 1st and 2nd segments each on the anterior margin grayish. Venter grayish white, on the apical one third fuscous. Legs brownish, tarsi yellowish brown.

Length—7.5 mm.; exp. 14 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki.

(300)

きあしくろはなあぶ

第十七圖 (20) (♀)

學名 *Cheiliosia fluvipes* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ綠黑色、觸角ハ橙黃色、第一節及ビ觸角砧ノ上縁ハ黃褐、端刺ハ暗褐、基部ハ少シク淡色、頭頂ニハ黒毛及ビ暗黃毛多シ、顔ノ瘤狀突起ハ高ク稍々圓錐形ヲナス、口ノ上縁ニモ一突起ヲ具ヘ、

顔ノ兩側ニハ灰白ノ短毛アリ、口吻ハ褐色、複眼ハ褐色ノ短毛ヲ粗生ス、胸背ニハ淡キ黃褐毛多ク、翅ノ着部ノ上方ニハ黑褐毛ヲ混ズ、鱗狀瓣及ビ平均棍ハ灰黃、翅ハ透明、少シク黃褐ヲ帶ビ、脈及ビ縁紋ハ黃褐、前縁暗褐、腹部ハ橢圓形、中央ハ胸部ヨリモ廣シ、淡キ黃褐毛多ク、第二節ノ後縁並ニ第三及ビ第四節ノ中央ニ黑色ノ短毛アリ、脚ハ淡黃褐、基節ノ轉節及ビ腿節末端ヲ除キハ黑色、跗節端ハ暗褐、體長四分五厘、開張七分五厘、此ハ東京及ビ京都ニ普通ナル種類ニシテうすぐろはなあぶ (*Cheilosia yezoica* Mats.) ニ酷似スレドモ後者ハ全脚部黑色ナルヲ以テ容易ニ區別スルコトヲ得ベシ、

分布—本州東京、京都、

Cheilosia fluvipes n. sp. (Pl. XVII, Fig. 20, ♀.)

Aeneus black. Antennae orange yellow, the 1st joint and the antennal-process above yellowish brown, the arista fuscous, at the base paler. Vertex with black and fulvous hairs, facial tubercle somewhat conical, above the epistoma also with a small tubercle, face on the sides with short grayish white hairs. Proboscis brown. Compound eyes with short brown hairs. Thorax with fulvous hairs, on the sides above the wing-incertions with few fuscous hairs. Calypteres and halteres testaceous. Wing hyaline, with a few yellowish brown shade, veins and stigma yellowish brown, costa being fuscous. Abdomen oblong, in the middle broader than the thorax, with fulvous hairs, the hind margin of the 2nd segment, the 3rd and 4th in the middle with short fulvous hairs. Legs fulvous, coxae, trochanter and femora (except the extreme apices), black.

Length—13.5 mm.; exp. 22.6 mm.

Hab.—Honshu (Tokyo, Kyoto); many specimens in my collection.

In the form it resembles much to *C. yezoica* Mats., but differs from the latter by having the fulvous legs.

(301) ほしあしぶこはなあぶ

學名 *Helophilus pendulus* L. var. *sapporensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黃色、頭頂及ビ觸角上ノ一縱條ハ暗褐ニシテ同色毛ヲ裝フ、顔ハ黃白ニシテ同色ノ短毛アリ、中央ノ一縱條及ビ頬ハ光澤アル黑色、觸角砧ノ上縁及ビ觸角ハ橙黃色、第三節ノ背部ハ少シク暗褐ヲ帶ブ、端刺ハ淡黃褐、口吻暗褐、胸背ニ三個ノ黑縱條アリテ、兩側ニアルモノハ紡錘形ヲナス、黃色ノ短毛多シ、胸面ハ黑褐、中胸ノ側片ハ灰白、稜狀部ハ鼈甲様ノ淡黃褐、黑色ノ短毛多ク、兩側及ビ後縁ニハ黃白毛ヲ裝フ、鱗狀瓣及ビ平均棍ハ黃白、翅ハ透明、少シク灰色ヲ帶ビ、脈ハ暗褐、第一脈ハ黃褐、縁紋ハ黃色、其内側ニ褐色ノ一點アリ、腹部ハ暗褐、第二節ノ兩側ニ淡黃褐ノ一大紋アリテ内側ハ稍々圓形ヲナス、第三節ノ兩側ニ小形ノ同様紋アリテ濃色ナリ、同節ノ中央ニ更ニ黃白ノ二小紋ヲ裝フ、第四及ビ第五節ノ中央ニ黃白ノ一帯アリテ之レハ中央ニテ遮斷ス、黃色及ビ黑色ノ短毛多シ、腹面ハ暗褐、基部及ビ兩側ハ黃色、脚ハ暗褐、腿節ノ末端及ビ脛節ノ基部ハ黃色、但シ前中兩脛節ハ末端ヲ除キ黃色、體長三分八厘、開張七分、此ハ札幌及ビ樺太ニ普通ナル種類ニシテ花ニ多シ、

分布—樺太、北海道、(原種ハ歐洲ニ産ス)。

(302) あかくらあしぶこはなあぶ

第十七圖 (22) (♀)

學名 *Helophilus akakurensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ灰黃色、頭頂ノ中央ニ太キ黑褐ノ一縱條アリ、顔ハ黃白、白毛ヲ裝フ、頰及ビ觸角ハ黑褐、後者ノ第三節ハ外側ノ基部ニテ黃褐、端刺ハ黃色、口吻ハ黑褐、頭頂ニ暗褐毛ヲ混ズ、胸背ニハ三個ノ黑縱條アリテ、兩側ニアルモノハ紡錘狀ヲナス、灰黃毛多シ、胸側ハ灰黃、翅ハ透明、翅底ハ黃色ヲ帶ズ、脈ハ黃褐、外縁ニアル脈ハ暗褐、鱗狀瓣及ビ平均棍ハ灰黃白、腹部ハ暗褐、基部ノ兩側ハ黃褐、第一節、各節ノ後縁並ニ兩側紋ハ灰白、但シ第二節ニアルモノハ内側ニテ圓形ナリ、灰黃毛ト黑毛トヲ混生ス、腹面ハ褐色、基部ハ黃褐、脚ハ暗褐、腿節ノ末端並ニ脛節及ビ第一跗節ノ大部ハ黑色、但シ後肢ニアリテハ脛節ノ基部ノミ黃色ナリ、後肢ノ基部ハ灰白、之レニ白毛ヲ簇生ス、體長四分五厘、開張七分、此ハ信州赤倉ニテ芝川又之助氏ノ採集セルモノナリ、
分布—本州(信州)。

Helophilus akakurensis n. sp. (Pl. XVII, Fig. 22, ♀).

Grayish yellow. Vertex with a broad fuscous stripe, with fuscous pubescent face pale yellow, with whitish hairs, cheeks and antennae fuscous, the 3rd joint of the latter at the base on the outside yellowish brown; the arista yellow. Proboscis fuscous. Thorax with 3 fuscous stripes, those of the sides somewhat spindle-shaped, with yellowish brown hairs, on the sides. yellowish brown. Wings hyaline, at the base yellowish, veins yellowish brown, those of the outer margin fuscous. Calypteres

and halteres pale yellowish brown. Abdomen fuscous, at the base on each side with a large testaceous spot, the 1st segment, as well as 2 spots on each side and the hind margin of each following segment, grayish white, those spots of the 2nd segment much larger and of a roundish form. Venter brown, at the base testaceous. Legs fuscous, apices of the 1st 4 femora and larger parts of the same tibiae and metatarsi, testaceous, the hind tibia being only at the base testaceous.

Length—13.5 mm.; exp. 21 mm.

Hab.—Honshu (Akakura in the Prov. Shinano); 2 specimens collected by Mr. M. Shibakawa.

(303)

きべりあしぶこはなあぶ

第十七圖 (23)

(♀)

學名 *Helophilus lateralis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑褐、頭ハ金色、顔ニハ黄毛、頭頂ニハ暗褐毛アリ、顔ノ縦條及ビ頬ハ黑色、觸角ハ黄褐、觸角砧ノ基部及ビ頭頂ノ單眼ノ部分ハ暗褐、口吻ハ黑褐、前胸背ノ兩側ハ黄色ニシテ黄毛ヲ裝ヒ、黒褐ノ部分ニハ黄褐毛アリ、稜狀部ハ黄褐、中央ニハ黑色ノ短毛ヲ具ヘ、後縁及ビ兩側ニ黄白毛アリ、鱗狀瓣及ビ平均棍ハ黄白、翅ハ透明、少シク灰色ヲ帶ビ、縁紋及ビ前縁室ハ黄褐ヲ帶ブ、脈ハ黑褐、前縁、附屬脈、第一縦脈並ニ重複脈ハ黄褐、腹部ハ胸部ト同幅、第二、第三及ビ第四節ノ兩側ニ黄色紋ヲ具ヘ、其内第四節ニアルモノハ小ニシテ橢圓形、稍々斜ニ排置セラル、第一節ヲ除キ各節ノ後縁ハ細ク黄色、腹面ハ暗黄、第五節ハ暗褐、脚ハ黑褐、腿節ノ末端、脛節及ビ前中兩跗節ノ第一節ハ黄色、但シ後肢ニアリテ黄褐ヲ呈ス、後腿節ハ中央ニテ頗ル肥大シ、同脛節ハ甚ダシク彎曲ス、

體長四分二厘、開張六分五厘、此ハ札幌地方ニ稀ナラス、
分布—北海道(札幌)。

Helophilus lateralis n. sp. (Pl. XVII, Fig. 23 ♀).

Fuscous. Head golden yellow, face with yellowish and vertex with fuscous hairs, a middle stripe of the face and the cheeks, fuscous. Antennae yellowish brown, the antennal-process at the base and ocellar region, fuscous. Proboscis fuscous. Thorax with dirty yellow hairs, sides yellow, with yellowish hairs. Scutellum yellowish brown, on the sides with short black hairs and on the posterior margin with pale yellowish hairs. Calypteres and halteres pale yellow. Wings hyaline, grayish, costal cell and stigma dirty yellow, veins fuscous, the costal, axillary, 1st longitudinal and supernumerary veins, yellowish brown. Abdomen scarcely broader than the thorax, the 2nd, 3rd and 4th segments on each side with a yellowish spot, those of the 4th being smaller and placed somewhat obliquely, each segment, except the 1st, on the hind margin yellowish brown. Venter yellowish brown, the 4th segment fuscous. Legs fuscous, apices of the femora, the tibiae and the 1st tarsi of the anterior and posterior legs, yellow, apices of the hind femora and the tibiae dirty yellow.

Length—12.6 mm.; exp. 16.5 mm.

Hab.—Hokkaido (Sapporo); not rare.

(304)

ねうすながはなあぶ

第十七圖 (24) (♀)

學名 *Xylota basalis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、顔ハ灰黄、絹様ノ光澤アリ、前縁ハ黄褐、觸角ハ黒褐、第三節ノ基部及ビ觸角砧ノ上縁ハ黄褐、端刺ハ黑色ニシテ長シ、頬ニハ白毛アリ、口吻ハ黒褐、胸背ニハ黑色ト黄色ト短毛ヲ装ヒ、

肩部ハ灰白、胸側及後縁ニ白毛アリ、稜狀部ニハ黑色ノ短毛ト白毛ヲ裝ヒ、後縁及ビ兩側ニハ白毛アリ、鱗狀瓣ハ黃白、平均棍ハ黃色、翅ハ透明、少シク灰色ヲ帶ビ、中央ハ黃褐、脈及ビ縁紋ハ暗褐、腹部ハ胸部ヨリモ少シク細ク、黑色、第二節及ビ第三節(後縁ヲ除キ)ハ橙黃色、腹面ハ腹背ト同色、脚ハ黑色、脛節及ビ跗節ハ黃色、脛節ノ中央ニハ褐色紋アリテ、後肢ニアルモノハ大ニシテ判然ス、跗節端ハ暗褐、體長四分、開張八分、此ハ樺太ニテ採集セルモノナルガ餘リ多カラズ、分布―樺太(ソロビョフカ)、

(305) はいじまはなあぶ

第十七圖 (25) (♀)

學名 *Paragopsis griseofasciatus* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ綠黒ニシテ銅色ノ光澤アリ、顔及ビ兩側ニ灰白毛ヲ密生シ、頭頂ニハ褐毛アリ、觸角ハ黑色、割合大ニシテ第三節ハ特ニ大キク、稍々圓形ヲ呈シ、初メノ二節ヲ合シタルモノヨリ約二倍長シ、端刺ハ第三節ノ稍々末端ニ位シ、基部ハ褐色、顔ハ平坦ニシテ瘤起ヲ缺キ、口吻ハ黃褐、複眼ニハ短カキ白毛ヲ粗生ス、胸背ハ頭部ヨリ少シク狭ク、暗色ノ判然セザル四縱條アリテ、中央ニアル二條ハ相接近ス、黃褐ノ短毛多シ、鱗狀瓣及ビ平均棍ハ黃白、翅ハ透明、少シク灰色ヲ帶ビ、脈ハ暗褐、縁紋ハ黃色、腹部ハ胸部ト同幅、黑色ノ短毛ヲ裝ヒ、第二及ビ第三節ノ兩側中央ニ光澤ナキ楕圓形ノ暗色紋アリテ之レニ灰白毛ヲ密生ス、尙ホ第四節ノ後半ニモ灰白毛多シ、腹面ハ黃褐、脚ハ

綠黒、腿節ノ末端、脛節ノ基部並ニ各跗節ノ兩端ハ黃褐、後腿節ハ短クシテ肥大ス、體長二分七厘、開張四分六厘、此ハ札幌地方ニ産スレドモ餘リ多カラズ、花ニ捕獲シ得ヘシ、分布—北海道(札幌)。

Paragopsis griseofasciatus n. sp. (Pl. XVII, Fig. 25, ♀)

Greenish black, with a coppery reflexion. Face and vertex on the sides with grayish white hairs, the vertex with brown hairs. Antennae large, black, the 3rd joint round, somewhat twice as long as the 1st and 2nd taken together; the arista black, at the base brown. Face nearly flat, at the oral margin somewhat elevated. Proboscis yellowish brown. Compound eyes with short sparse whitish hairs. Thorax somewhat narrower than the head, with 4 indistinct fuscous stripes, those of the middle two placed nearly together each other, with short yellowish brown hairs. Calypteres and halteres yellow. Wings hyaline, with a grayish tinge, veins fuscous, stigma yellowish. Abdomen nearly as broad as the thorax, with short black hairs, the 2nd and 3rd segments in the middle on each side with an oblong fuscous spot; grayish white pubescent, posterior half of the 4th also with some grayish white hairs. Venter yellowish brown. Legs greenish black, apices of femora, bases of tibiae, as well as both ends of tarsi, yellowish brown.

Length—7.4 mm.; exp. 13.8 mm.

Hab.—Hokkaido (Sapporo); not rare.

Paragopsis n. g.

In the form much resembles to *Pirragus*. Head oval, no antennal-process, at the insertions of antennae face somewhat elevated, on facial tubercle, nearly flat, at the oral margin somewhat vaulted. Antennae large, the 1st joint short and small, near the half length of the 2nd, the 3rd nearly round, somewhat twice as long as the 1st and 2nd taken together; the arista near the apex of the 3rd joint, long, at the base with 2 short joints. Proboscis short. Compound eyes of the female widely separated

at the vertex, with short sparse hairs, occiput broad and somewhat elevated. Thorax somewhat narrower than the head. Wings nearly like that of *Paragus*. Abdomen in the middle nearly as broad as the thorax, the 2nd and 3rd segments subequal in length, the 4th somewhat longer than the former, at the apex somewhat curved downwardly. Legs short, hind femora much enlarged, clavate, somewhat longer than the same tibiae.

Type—*Paragopsis griseopascatus* Mats.

(306) たいわんよつぼしながはなあぶ

第十七圖 (26) (♂)

學名 *Xylota formosana* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、顔ハ絹様ノ白色、頭頂ニハ灰黄ノ長毛アリ、觸角ハ褐色、觸角砧ノ上縁、觸角ノ第三節並ニ端刺ノ基部ハ黄褐、口吻ハ黒褐、末端ハ黄褐、胸背ニ灰黄色ノ短毛多シ、翅ハ透明、灰色ヲ帶ブ、脈ハ褐色、縁紋ハ黄褐、腹部ハ兩側ニテ相平行シ、第二及ビ第三節ニ各二個稍々四角形ノ黄褐紋アリ、腹面ハ黄褐、末端ハ暗色、脚ハ黑色、腿節ノ末端後肢ヲ除キ及ビ脛節ノ基部ハ黄色、後腿節ノ下面ニ黑色ノ刺毛ヲ列ヌ、體長二分七厘、開張五分二厘、此ハ臺灣埔里社ニテ採集セルモノナルガ稀ナルガ如シ、
分布—臺灣(埔里社)、

Xylota formosana n. sp. (Pl. XVII, Fig. 26, ♂).

Black. Face silky white, vertex with long fuscous hairs. Antennae brown, the antennal-process at the apices, the 3rd

joint, as well as the basal part of the arista yellowish. Proboscis fuscous, at the apex yellowish brown. Thorax with short fulvous hairs. Wings hyaline, with a grayish tinge, veins brown, stigma yellowish. Abdomen parallel on the sides, the second and 3rd segments on each side with a quadrate yellowish spot. Venter yellowish, at the apex fuscous. Legs black, femora at the apices (except the hind femora) and tibiae at the bases yellowish, the hind femur beneath with short fuscous bristles.

Length—8 mm.; exp. 15.4 mm.

Hab.—Fomosa (Horisha).

(307)

からふこひげながはなあぶ

第十七圖 (27)

(♀)

學名 *Chrysotoxum sachalinense* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、頭頂ノ二紋及ビ後頭ハ灰色、暗褐毛ヲ装フ、顔ハ橙黄色、中央ノ縦條並ニ頰ノ一紋ハ黑色、口吻ハ褐色、觸角ハ黒褐、約顔ト同長、端刺ハ淡黄褐、複眼ニハ灰白ノ短毛ヲ装フ、胸背ノ前後兩角並ニ稜狀部ノ前縁ハ橙黄色、灰色ノ四縦條アリテ、褐色及ビ黄白ノ短毛ヲ装フ、稜狀部ハ褐色、翅ハ透明、縁紋及ビ其外方ノ前縁ハ暗褐、脈及ビ翅底ハ黄褐、腹部ハ楕圓形ニシテ第二節最モ廣ク、第二、第三、第四及ビ第五節ニ黄色ノ弓狀帶アリテ、之レハ何レモ中央ニテ遮斷セラル、第三、第四及ビ第五節ノ後縁ハ淡黄褐、灰黄ノ短毛多ク、絹様ノ光澤ヲ有ス、裏面ハ光澤アル黑色、各節ノ後縁ハ灰黄、脚ハ橙黄色、脛節及ビ第一跗節ハ淡色ナリ、體長六分、開張一寸、此ハ樺太ニ捕獲セルモノナルガ餘リ多カラザルガ如シ、分布—樺太(ソロビョフカ)。

(308) やまごひげながはなあぶ

第十七圖 (28) (♀)

學名 *Chrysotoxum japonicum* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、頭頂ノ兩側複眼ニ接シテ灰色ノ二紋ヲ具ヘ、黑褐ノ短毛アリ、顔ハ橙黄色、黄白ノ短毛ヲ裝フ、中央ノ一縦條並ニ頬ノ一紋ハ黑色、口吻ハ褐色、觸角ハ黑色、顔ヨリモ少シク長ク、端刺ハ黄色、複眼ハ毛ヲ缺ク、胸背ノ前後兩角及ビ稜狀部ハ橙黄色、後者ノ中央ハ黑色、灰色ノ二縦條アリテ中央ニ達ス、灰白毛及ビ黑褐毛ヲ混ズ、稜狀部ニ黑毛ヲ裝フ、鱗狀瓣及ビ平均棍ハ黄白、柄部ハ少シク褐色ヲ帶ブ、翅ハ透明、黄色ヲ帶ビ、翅底及ビ前縁ハ淡黄褐、縁紋及ビ其下方ノ一紋ハ黄褐、脈ハ黄褐、外縁ニアルモノハ暗褐、腹部ハ卵形、第二、第三、第四及ビ第五節ニ黄白ノ弓狀帶ヲ具ヘ、之レハ何レモ中央ニテ遮斷ス、第三、第四及ビ第五節ノ後縁ハ黄白、灰白ノ短毛多シ、第一節、第二、第三、第四及ビ第五腹面節ノ各基部ハ黄白ニシテ第四及ビ第五節ニアルモノハ中央ニテ遮斷セラル、脚ハ橙黄色、基節及ビ轉節ハ褐色、體長四分七厘、開張八分四厘、此ハ本州何レノ地ニモ稀ナラズ、

分布—本州(日光、京都)、

Chrysotoxum japonicum n. sp. (Pl. XVII, Fig. ♀)

Black. Vertex on each side with a grayish spot, fuscous pubescent. Face orange yellow, pale yellowish pubescent.

a broad middle stripe, as well as a spot on each side of cheeks, black. Proboscis brownish. Antennae black, somewhat longer than the face, the arista yellow. Compound eyes bare. Thorax on the anterior and posterior angles, scutellum, as well as pleural spots, orange yellow, scutellum in the middle fuscous. Calypteres and halteres pale yellowish, the latter at the stem somewhat brownish. Wings hyaline, with a few yellowish tinge, bases and costa testaceous, veins, stigma and a spot below the latter, yellowish brown, veins on the outer margin fuscous. Abdomen oblong, broader at the 2nd segment, the 2nd, 3rd, 4th and 5th segments each with a bow-like yellowish band, all of them being interrupted in the middle, the 3rd, 4th and 5th each on the hind margin yellowish, with short grayish-white hairs. The first 5 ventral segments each at the base yellowish, the 4th and 5th being interrupted in the middle. Legs orange yellow, coxae and trochanter brown.

Length—14 mm.; exp. 25.2 mm.

Hab.—Honshu (Nikko, Kyoto).

In the form and coloring much resembles to *C. sachalinense* Mats.

(309)

ふたをびありすあぶ

第十七圖

(♀)

學名 *Microdon bifasciatus* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、顔ニハ絹様ノ光澤アル灰白毛ヲ密生シ、頭頂ニハ暗褐毛アリ、觸角ハ黑色、第一節ハ第二及ビ第三節ヲ合シタルモノト約同長、第三節ハ紡錘形ニシテ長ク、端刺ハ黃褐、胸背ニハ灰黃ノ短毛アレドモ餘リ判然セズ、稜狀部ニアルモノハ長クシテ判然ス、鱗狀瓣及ビ平均棍ハ黃色、翅ハ半透明、少シク暗色ヲ帶ビ、稍々脈ニ沿フタル部分ニテ然リトス、脈ハ暗黃、腹端ニ達ス、腹部ハ長ク、末端ニ至ルニ從ヒ次第ニ細小ス、黑色ノ短毛ヲ裝ヒ、第二及ビ第三節後縁ニ金色ノ短毛ヲ密

生スルガ爲メ黄帶ヲ有スルガ如シ、但シ第二節ニアルモノハ細シ、腹面ハ黑色、脚ハ黑色、脛節及
ビ跗節ニ灰白毛ヲ裝ヒ、跗節下ニハ黄褐毛ヲ混ズ、體長四分二厘、開張七分六厘、此ハ札幌地方ニ
稀ナラズ、

分布—北海道(札幌)、

Microdon bifasciatus n.sp. (Pl. XVII, Fig. 29, ♀).

Black. Face with silky grayish white hairs, vertex with brown hairs. Antennae black, the 1st joint as long as the following taken together, the arista yellowish brown. Thorax finely granulated, with short grayish-yellow hairs, those of the scutellum being much longer. Calypteres and halteres yellow. Wings as long as the abdomen, subhyaline, with a light fuscous tinge, the narrow parts along the veins infuscated, veins yellowish brown. Abdomen long, gradually narrower towards the apex, with short fuscous hairs, the 2nd and 3rd segments on each hind margin with a golden yellow hair-band, that of the 2nd being narrower. Legs black, tibiae and tarsi with grayish-white hairs, underside of the latter being provided with yellowish brown hairs.

Length—12.6 mm.; exp. 22.8 mm.

Hab.—Hokkaido (Sapporo); a quite rare species.

(310) えぞありすあぶ

學名 *Microdon jezoensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色ニシテ少シク綠色ヲ帶ブ、顔ニ絹様ノ光澤アル黄白ノ短毛ヲ密生シ、頭頂ニハ黒毛、後頭
ニハ黄褐毛アリ、觸角ハ暗褐、第一節ハ褐色、端刺ハ暗褐、胸背ニハ黄褐毛多ク、紫色ノ四縦條ア

第十七圖 (30) (♀)

レドモ餘リ判然セズ、中央ハ稍々滑澤ニシテ毛ヲ缺ク、稜狀部ニ灰黄ノ長毛多シ、鱗狀瓣及ビ平均棍ハ黄色、翅ハ稍々透明、少シク灰色ヲ帶ビ脈ニ沿ヒ細ク暗色ヲ帶ブ、脈ハ前緣脈ヲ除キ暗色、腹部ヨリ少シク短カシ、腹部ハ卵形、胸部ヨリモ遙ニ廣ク、黑色ノ短毛ヲ裝ヒ、第二節、第三及ビ第四節ノ後緣並ニ兩側ニ絹様ノ黄白毛ヲ裝フ、何レモ帶ヲナセドモ中央ニテ遮斷セラレ、腹面ニモ金色毛アリ、脚ハ黒褐、腿節ノ末端、脛節及ビ跗節ハ黄褐、跗節ニハ金色ノ短毛ヲ密生ス、體長四分五厘、開張八分、此ハ札幌地方ニ産スレドモ其數多カラズ、
分布—北海道(札幌)。

Microdon jezoensis n. sp. (Pl. XVII, Fig. 30, ♀).

Black, with an aeneous reflexion. Face with silky pale yellowish hairs, vertex fuscous occiput fuscous pubescented. Antennae fuscous, the 1st joint except the apex brown, the arista fuscous. Thorax with silky pale yellowish hairs, in the middle bare and nearly smooth, with 4 purple stripes, scutellum with long fulvous hairs. Calypteres and halteres yellow. Wings subhyaline, the part along the veins narrowly infuscated, veins except the axillary fuscous. Abdomen broad, with short black hairs, those of the sides being yellowish, the 2nd, as well as each hind margin of the 3rd and 4th segments with a pale yellowish hair-band, which being interrupted in the middle. Venter with short golden yellow hairs. Legs fuscous, apices of femora, tibiae and tarsi with some testaceous hairs, those of the tarsi mingling some golden yellowish hairs.

Length—13.5 mm.; exp. 24 mm.

Hab.—Hokkaido (Sapporo); a quite rare species.

(311)

かはむらももぶこはなあぶ

學名 Merodon Kawamurae Mats.

第十八圖 (1) (♀)

昆蟲學上ノ地位 食蚜蠅科

體ハ黑褐ニシテ少シク銅色ノ光澤ヲ帶ブ、顔ニハ灰白ノ短毛ヲ密生シ、頭頂ニハ黑毛ヲ裝フ、觸角ハ褐色、第三節ハ橢圓形ニシテ初メノ二節ヲ合シタルモノヨリモ長ク、端刺ハ暗褐、基半部ハ黃色、口吻ハ褐色、末端ハ黃褐、複眼ニハ灰白毛多シ、胸背ニハ暗黃毛多ク、鱗狀瓣ハ黃白、平均棍ハ黃褐、翅ハ稍々透明、少シク灰色ヲ帶ブ、脈ハ褐色、腹部ハ橢圓形、灰黃及ビ暗褐毛ヲ裝ヒ、第二節基部ノ兩側ニ黃褐ノ一紋ヲ具ヘ、第三及ビ第四節ノ中央ニ灰白帶アリテ、何レモ中央ニテ遮斷セラ、第五節後縁ノ中央ハ黃色、腹面基部ノ兩側ハ黃褐、脚ハ黑褐、腿節ハ肥大シ、末端ノ下方ニ小齒ヲ列テ、腿節ノ末端及ビ脛節ノ基部並ニ爪ハ黃褐、體長三分五厘、開張六分二厘、此ハ熊本地方ニテ河村英男氏ノ採集セルモノナリ、
分布—九州(熊本)。

Merodon Kawamurae n. sp. (Pl. XVIII, Fig. 1, ♀).

Fuscous, with a coppery reflexion. Face with short whity hairs, vertex with longer fuscous hairs. Antennae brown, the 3rd joint oblong, longer than 2 foregoing joints taken together, the arista fuscous, on the basal half yellow. Proboscis brown, at the apex paler. Compound eyes with short whity hairs. Thorax with fulvous hairs. Calypteres pale yellowish white, halteres testaceous. Wings subhyaline, with a light grayish shade, veins fuscous. Abdomen oblong, with short fulvous and fuscous hairs, the 2nd segment on each side with a large testaceous spot, the 3rd and 4th segments each in the middle with a grayish white band, which being interrupted in the middle, the 5th on the hind margin with a testaceous spot. Venter at the base on each side with a testaceous spot. Legs fuscous, apices of femora and bases of tibiae, as well as the claws, testaceous.

Length—10.5 mm.; exp. 18.5 mm.

Hab.—Kiusiu (Kumamoto); collected by Mr. H. Kawamura.

(312) をきなはひらたあぶ

第十八圖 (2) (♂)

學名 *Syrphus okinawensis* Mats

昆蟲學上ノ地位 食蚜蠅科

體ハ黄色、胸背ハ緑黑色、頭頂ハ黒褐、顔ニ黄毛、頭頂ニハ暗褐毛アリ、觸角ハ黄褐、第三節ノ背部ハ褐色、端刺ハ黄色、口吻ハ黄褐、後頭ノ兩側ニハ灰白毛ヲ密生ス、胸背ノ兩側及ビ稜狀部ハ黄褐、稜狀部ニハ黒褐ノ長毛アリ、鱗狀瓣及ビ平均棍ハ黄色、翅ハ腹部ヨリモ遙ニ長ク、稍々透明、少シク灰黄ヲ帶ビ、脈ハ暗褐、縁紋ハ淡黄褐、腹部ハ長楕圓形、第一節及ビ第二乃至第四節ノ後縁ハ暗褐、尙各節ノ前縁モ少シク暗色ヲ帶ブ、腹面ハ半透明ニシテ鼈甲色ヲ呈ス、脚ハ黄色、基節、轉節及ビ腿節ノ中央ハ褐色、體長五分、開張九分、此ハ沖繩地方ニ稀ナラズ、黒岩恒氏ノ採集セルモノナリ、
分布—沖繩(首里)。

Syrphus okinawensis n. sp. (Pl. XVIII, Fig. 2, ♂).

Yellow, thorax aeneus black. Vertex fuscous, with fuscous hairs, face with yellowish hairs. Antennae yellowish brown, the 3rd joint on its back brown, the arista yellowish. Proboscis yellowish brown. Scutellum yellowish brown, with long fuscous hairs. Calypteres and halteres yellowish. Wings longer than the abdomen, subhyaline, with a grayish yellow tinge, veins fuscous, stigma yellowish brown. Abdomen long, the 1st, and the 2nd to 4th segments on each hind margin, fuscous, on each anterior margin somewhat infuscated. Venter on the sides fuscous spotted, subhyaline. Legs yellowish, coxae, trochanter and a

spot in the middle of each femur, brownish.

Length—15 mm.; exp. 27 mm.

Hab.—Okinawa; collected by Mr. M. Kuroiwa.

In the form resembles somewhat to *S. formosanus* Mats.

(313) ほそくびひらたあぶ

第十八圖 (3) (♀)

學名 *Syrphus cinctellus* Zett

昆蟲學上ノ地位 食蚜蠅科

體ハ黑色、顔ハ黄色、黄毛ヲ装フ、頭頂ハ暗灰色、二個ノ光澤アルニ黒紋アリテ一ハ觸角ノ基部、他ハ後頭ニ近位ス、觸角ハ黄褐、第三節ノ背上及ビ端刺ハ暗褐、基部ハ黄色、胸背ハ光澤ヲ帯ビ、黄毛アリ、稜狀部ハ黄色、黄白毛ヲ装フ、鱗狀瓣及ビ平均棍ハ黄白、腹部ハ長ク、中央ニテ少シク幅廣シ、第二乃至第五節ノ後縁ハ黑色、第二節ニハ前縁ヨリ後縁ニ達スル黑色ノ一縦條アリ、尙第六節モ黑色、黄毛ヲ装ヒ、黑色部ニハ黒毛アリ、腹面ヨリハ腹背ノ斑紋ヲ透視シ得ベシ、脚ハ黄色、腿節ノ中央紋、同脛節基部ヲ除キ並ニ同跗節ハ黒褐、體長三分一三分五厘、開張五分五厘一六分、此ハ樺太ニ稀ナラズ、

分布—樺太、西比利亞、歐洲、

(314) ほそむつもんひらたあぶ

第十八圖 (4) (♂)

學名 *Syrphus lasiophthalmus* Zett.

昆蟲學上ノ地位 食蚜蠅科

體ハ黑褐、顔ハ黄色、鉛色ノ光澤アリ、黒毛ヲ装フ、頰、口部(口縁ヲ除キ)及ビ顔ノ縦條ハ光澤アル
 黒色、觸角ハ黑褐、端刺ハ黒色、頭頂ニアル黒毛ハ長シ、胸背ニハ黄褐毛多ク、稜狀部ハ黄褐ニシ
 テ之レニ黑褐ノ長毛ヲ装フ、鱗狀瓣ハ灰黄、平均棍ハ黄褐、翅ハ透明、少シク灰褐ヲ帶ビ、脈ハ暗
 褐、縁紋ハ黄褐、腹部ヨリ遙ニ長シ、腹部ハ長ク、兩側稍々相平行シ、橙黄色ノ六紋アリテ二列ニ
 縦列ス、腹面ハ暗灰色、各節ノ基部ハ灰色、黄褐毛多ク、中央ニハ黑褐毛ヲ混ズ、脚ハ黑褐、前中
 兩腿節ノ末端及ビ脛節ノ基部並ニ跗節ノ基部ハ黄褐、體長三分二厘、開張六分二厘、此ハ樺太ニ普
 通ナリ、

分布—樺太元泊、救香、

(315) すずきひめひらたあぶ

第十八圖 (5) (♀)

學名 *Melithreptus Suzuki Mats.*

昆蟲學上ノ地位 食蚜蠅科

體ハ灰黒、頭ハ黄白、頭頂及ビ之レヨリ觸角砧ニ至ル一縦條ハ黒色、顔ニハ鉛色ノ光澤アリ、觸角
 ハ橙黄色、第三節ノ背部及ビ端刺ハ褐色、後者ノ基部ハ黄褐、口縁ハ少シク暗褐ヲ帶ブ、頭頂ニハ
 黒毛アリ、胸背ノ兩側ハ黄白、中央ニ黒色ノ三縦條アリテ、兩側ニアルモノハ前縁ニ達セズ、稜狀
 部ハ黄白、黄白毛及ビ黑褐毛ヲ混ズ、鱗狀瓣ハ黄白、平均棍ハ黄色、翅ハ透明、少シク灰色ヲ帶ビ、

脈ハ附屬脈及ビ第一縱脈黃褐ヲ除キ暗褐、腹部ハ細長ク、中央ニテ少シク幅廣シ、暗褐ニシテ斑紋ハ橙色、第二乃至第四節ノ中央ニ兩側ニ達セザル各一帶ヲ具ヘ、第五及ビ第六節ニハ各二紋アリ、尙各節ノ兩側ニ一黃紋ヲ具ヘ、黑色及ビ黃白ノ短毛アリ、腹面ノ斑紋ハ腹背ノ斑紋ト稍々同様、脚ハ黃白、跗節ハ少シク濃色、體長二分五厘、開張四分二厘、此ハ京都ニテ鈴木元治郎氏ノ採集セルモノナルガ餘リ多カラザルガ如シ、
分布—本州(京都)。

Melithreptus Suzukii n. sp. (Pl. XVIII, Fig. 5, ♀).

Grayish black. Head pale yellowish, vertex and a stripe down to the antennal-process black, with black hairs, face with a leaden reflexion. Antennae orange yellow, the 3rd joint in its back and the arista brown, the latter at the base yellowish. Thorax on the sides pale yellowish, in the middle with 3 black stripes, those of the sides not reaching to the anterior margin. Scutellum pale yellowish, with few pale yellowish and fuscous hairs. Calypteres pale yellowish, halteres yellow. Wings hyaline, with a grayish shade, veins except the auxiliary and the 1st (yellowish brown) fuscous. Abdomen narrow, fuscous, with orange yellow bands and spots, in the middle somewhat broader, the 2nd to 4th segments each in the middle with a broad to the sides not reaching band, those of the 5th and 6th segments being interrupted in the middle, each segment on the sides with a yellowish spot. Venter nearly spotted as that of the dorsum. Legs pale yellowish, tarsi somewhat deeper in color.

Length—7.5 mm.; exp. 12.6 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki.

(316)

をきなははなあぶ

第十八圖 (6) (♂)

學名 *Eristalis okinawensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ淡黃褐、頭頂ハ暗褐、觸角ノ上方ニ黑褐毛ヲ具ヘ、顔ニハ黃白毛ニ暗褐ノ短毛ヲ混ズ、觸角ハ淡黃褐、第三節ノ背面ハ褐色、端刺ハ黃色、末端ハ暗褐、口吻ハ褐色、複眼ニハ褐毛多シ、胸背ハ灰黃、兩側、後縁及ビ稜狀部ハ淡黃褐、黑色ノ四縱條アリテ、兩側ニアルモノハ中央ニアルモノヨリ少シク長シ、上中トモ後縁ニ達セズ、暗黃毛ヲ裝ヒ、少シク暗褐毛ヲ混ズ、稜狀部ニハ暗褐毛アリテ、周圍ニアルモノハ灰黃、鱗狀瓣ハ灰黃、平均棍ハ黃白、翅ハ透明、脈ハ黃褐、腹部ハ胸部ト稍々同長、第二節ノ基部最モ廣ク、第二及ビ第三節ノ後縁並ニ第四節ノ中央帶ハ暗褐、第四節ノ後縁並ニ第五節ハ黑褐、之レニ同色毛ヲ裝フ、尙第二節ノ兩側ニモ暗褐毛アリ、腹面ニハ斑紋ヲ缺ク、脚ハ淡黃褐、後腿節、後脛節並ニ跗節ノ末端ハ褐色、脛節ノ基部ハ黃白、體長四分五厘、開張七分、此ハ沖繩ニテ黑岩恒氏ノ採集セルモノナリ、
分布—沖繩、

Eristalis okinawensis n. sp. (Pl. XVIII, Fig. 6, ♂).

Testaceous. Vertex fuscous, with fuscous hairs, face with pale yellowish and a few short fuscous hairs. Antennae testaceous, the 3rd joint on its back brown, the arista yellow, on its apical half fuscous. Proboscis brown. Compound eyes with brownish hairs. Thorax in the middle grayish yellow, with 4 black stripes, those of the outer sides somewhat longer than the inner, not reaching to the posterior margin, with testaceous hairs. Scutellum in the middle with fuscous hairs, those on the periphery being pale yellowish. Calypteres dirty yellow, halteres pale yellow. Wings hyaline, veins yellowish brown. Abdomen as long as the thorax, at the base of the 2nd segment broadest, hind margins of the 2nd and 3rd segments and a middle band of the 4th, fuscous, hind margin of the 4th, and the 5th pitchy black. Legs testaceous, apical halves of the hind femora and tibiae, as

well as tips of tarsi, brown.

Length—13.5 mm.; exp. 21 mm.

Hab.—Okinawa; collected by Mr. M. Kuroiwa.

(317) からふごはなあぶ

第十八圖 (7) (♀)

學名 *Eristalis sachalinensis* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ灰褐、頭頂ハ暗褐、黒褐毛ヲ混ズ、顔ハ灰白ニシテ同色毛ヲ密生ス、觸角ハ褐色、初メノ二節ハ暗褐、端刺ハ黄色、末端ノ半部ハ黄褐、白毛ヲ装フ、頬ハ光澤アル黒色、胸背ニ暗色ノ三縦條アリテ、何レモ横皺線ノ處ニテ遮斷セラル、黄褐毛多シ、稜狀部ハ灰黄、黄褐毛多ク、後縁ニハ灰白毛ヲ混ズ、鱗狀瓣灰黄白、平均棍ハ黄色、翅ハ透明、中央ニ暗褐ノ曇紋アリ、脈基部及ビ前縁ヲ除キ及ビ縁紋ハ暗褐、腹部ハ黒褐、第一節ハ灰色、第二乃至第四節ノ後縁ハ細ク黄褐ニシテ、其前縁ハ更ニ灰色ナリ、暗黄毛ヲ装ヒ、第一節、各節ノ後縁並ニ兩側ニアルモノハ黄白、腹面ノ基部ハ黄褐、脚ハ黒色、腿節ノ末端、脛節末端ヲ除キ及ビ附節ハ黄色、但シ後跗節ハ黒色、體長四分、開張六分五厘、此ハ樺太ニテ余ノ採集セルモノナルガ稀ナラズ、分布—樺太、

Eristalis sachalinensis n. sp. (Pl. XVIII, Fig. 7, ♀).

Grayish brown. Vertex fuscous, with fuscous hairs, face grayish white, with the concolorous hairs. Antennae brown, the

1st 2 joints fuscous, the arista yellow, on the apical half brownish, with whiry hairs, cheeks shining black. Thorax with 3 broad stripes, all being interrupted at the suture, with dirty yellow hairs. Scutellum yellowish brown, with dirty yellow hairs, on the hind margin with grayish white hairs. Calypteres pale grayish yellow, halteres yellow. Wings hyaline, in the middle with a large nebulous fuscous spot, veins (except bases and costa) and stigma fuscous. Abdomen dark brown, with dirty yellow hairs, the 1st segment grayish, the 2nd to 4th each at the hind margin narrowly dirty yellow, each being anteriorly lined with gray; the first, and other segments each at the hind margin, as well as on the sides with pale grayish yellow hairs. Venter at the base dirty yellow. Legs black, femora at the apices, tibiae except apices, as well as tarsi, yellowish, hind tarsi being blackish.

Length—12 mm.; exp. 19.5 mm.

Hab.—Saghalien; many specimens collected by the author.

(318)

ありさん はなあぶ

第十八圖 (8) (♂)

學名 *Eristalis arisanus* Mats.

昆蟲學上ノ地位 食蚜蠅科

體ハ灰黄色、頭ハ黒褐、同色毛ヲ装フ、觸角砧ノ上縁ハ黄色、顔ハ灰黄白、同色毛ヲ装フ、觸角褐色、第三節ノ腹面ニ黄紋アリ、端刺黄色、複眼ハ暗褐ニシテ(♂)ニテハ赤褐ノ五條アリ、褐毛ヲ密生ス、胸背ニハ黒色ノ四縦條ヲ具ヘ、何レモ後縁ニ達セズ、兩側ニアルモノハ紡錘狀ヲナス、黄褐毛多シ、稜狀部ハ灰黄、後縁ハ黄色、黄褐毛多ク、中央ニ褐毛ヲ混ズ、鱗狀瓣ハ灰黄、平均棍ハ黄白、翅ハ透明、中央點ハ少シク黄褐ヲ帶ブ、脈ハ黄褐、前縁ハ基部ヲ除キ暗褐、腹部ハ暗褐、第一節ハ灰黄、胸部ト約同長、第二及ビ第三節ノ中央ニ淡黄褐ノ一帯アリテ、何レモ中央ニテ少シク遮斷セラレ、兩側ニテ増幅ス、黄褐毛ヲ裝ヒ、第二及ビ第三節ノ後縁ニアルモノハ暗褐、腹面ハ暗黄白、

第二及ビ第三ノ中央ニアル一紋並ニ尾端ノ二節ハ黒褐、脚ハ黒色、腿節末端、脛節及ビ跗節ハ灰黄、但シ後脛節ハ基部ヲ除キ黒色、體長四分二厘、開張八分、此ハ臺灣阿里山ニテ余ノ採集セルモノナルガ稀ナルガ如シ、分布—臺灣(阿里山)。

Eristalis arisanus n. sp. (Pl. XVIII, Fig. 8, ♂).

Dirty yellow. Head fuscous, with the concolorous hairs. Antennal-process on the upper margin fulvous. Face pale grayish yellow, with the concolorous hairs. Antennae brown, the third joint beneath with a yellowish spot, the arista yellow. Compound eyes fuscous, in the male with 5 reddish brown stripes and brownish pubescent. Thorax with 4 black stripes, not reaching to the hind margin, the lateral ones being spindle-shaped. Scutellum dirty yellow, at the hind margin yellowish, with dirty yellow hairs, in the middle mingling some brown hairs. Calypteres dirty yellow, halteres pale yellowish. Wings in the middle hyaline, with a brownish shade, veins yellowish brown, costa except the base fuscous. Abdomen fuscous, the 1st segment fuscous, the 2nd and 3rd each in the middle with a yellowish brown band, which being interrupted in the middle narrowly and enlarged towards the sides, with testaceous hairs, those of the 2nd and 3rd being fuscous. Venter dirty yellow, middle spot of the 2nd and 3rd segments and the following segments, fuscous. Legs black, apices of femora, tibiae and tarsi fuscous, hind tibiae except the base being black.

Length—12.6 mm.; exp. 24 mm.

Hab.—Formosa (Arisan); few specimens collected by the author.

(319)

おめしくろめばい

第十八圖(9) ♂

學名 *Conops curtulus* Coq.

昆蟲學上ノ地位 眼蠅科

體ハ黑褐、頭ハ淡黃褐、顔ニハ天鷲絨様ノ光澤アリ、口吻ハ觸角ヨリモ短カク、褐色、基部ハ暗褐、觸角甚ダ長ク、膝狀ヲ呈シ、暗褐、第三節及ビ端刺ハ褐色、胸背ニ暗褐ノ短毛多ク、肩部及ビ稜狀部ノ末端ハ黃褐、鱗狀瓣ハ黃白、平均棍ハ黃色、翅ハ半透明、暗褐ヲ帶ビ、脈ハ黃褐、基部、前縁及ビ外縁ニアルモノハ暗褐、腹部ハ末端ニテ棍棒狀ヲ呈シ、少シク下方ニ曲ル、第二乃至第五節ノ後縁ハ黃褐、第二及ビ第三節ノ黃褐部ハ他節ノモノヨリハ廣ク、其兩側ニ灰白粉ヲ裝フ、脚ハ暗褐、腿節及ビ脛節ハ黃褐、但シ腿節ノ基半部ハ少シク濃色ナリ、體長三分八厘内外、開張六分五厘、分布—本州(岐阜、東京、青森)、

(320) はなぞのめばい

第十八圖 (10) (♂)

學名 *Conops hanazonensis* Mats.

昆蟲學上ノ地位 眼蠅科

體ハ暗褐、頭、觸角、胸背ノ肩部及ビ兩側、稜狀部、腹部ノ斑紋並ニ脚ノ大部ハ黃褐、顔ハ淡黃褐、天鷲絨様ノ光澤アリ、口吻ハ褐色ニシテ長ク膝狀ヲ呈ス、觸角ハ口吻ト約同長、端刺ハ三節ヨリ成リ、基部ノ二節ハ短カシ、頭頂ニハ横皺多ク、後頭ニハ黑毛ヲ具ヘ、胸背及ビ稜狀部ニハ黑色ノ短毛ヲ裝フ、翅ハ半透明、黃褐、後縁ノ半部ハ少シク淡シ、鱗狀瓣及ビ平均棍ハ淡黃褐、後者ノ頭狀部ハ末端ニテ褐色ナリ、腹部ハ棍棒狀ヲ呈シ、黑褐毛ヲ裝フ、第二、第三及ビ第四節ノ兩側ニ三角形ノ大紋ヲ具ヘ、第五節ノ後縁及ビ第六節基部ヲ除キノ大部ハ黃褐、尾節兩側ニ褐色ノ一點アリ、

生殖板ハ黒褐、腿節ノ基半部ハ暗褐、體長五分三厘、開張九分五厘、此ハ京都ニテ採集セラル、
分布—本州(京都)

Conops hamazonensis n. sp. (Pl. XVIII, Fig. 10, ♂).

Fuscous. Head, antennae, humeri, thorax on the sides, scutellum, spots of abdomen, as well as the larger part of legs, yellowish brown. Face testaceous, with a velvety luster. Proboscis as long as the antennae. Antennae long, the arista 3 jointed, the basal 2 small. Occiput with short black hairs. Thorax and scutellum with short fuscous hairs. Wings subhyaline, ferruginous, somewhat paler on the posterior half. Calypteres and halteres testaceous, the knobs of the latter at apices infuscated. Abdomen clavate, the second, third and fourth segments on each side with a triangular spot, hind margin of the fifth and the sixth except base, ferruginous, the latter near the apex on each side with a fuscous speck; genital plates fuscous. Legs ferruginous, the basal halves of femora fuscous.

Length—16 mm.; exp. 29.5 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki.

(321) くろめばい

第十八圖 (10) (♀)

學名 *Conops nigricans* Mats.

昆蟲學上ノ地位 眼蠅科

體ハ黒褐、顔ハ橙黄色、顔ニハ銀色ノ光澤アリ、口吻ハ褐色、末端ハ黒褐、觸角ヨリモ遙ニ長シ、
觸角ハ黒褐、端刺ハ第三節ヨリ成リ、第二節ハ葉狀ヲナシテ内方ニ突出ス、後頭ニハ黄白毛ヲ粗生
シ、暗褐ノ短毛ヲ混ズ、肩部ハ黄褐ナレドモ白粉ヲ有スルヲ以テ判然セズ、胸側ハ暗褐ニシテ白粉

ヲ装フ、胸背ノ前縁ニ灰黄ノ二縦條アレドモ餘リ判然セズ、翅ハ透明、翅底及ビ外縁ノ半部中央ヲ除キハ暗色、脈ハ灰黄、平均棍ハ暗褐、柄部ハ少シク淡色、腹部ハ背面ヨリ見ルトキハ後方ニ至リテ細マリ、第三四節ノ處ニテ最モ太シ、黑色ノ短毛ヲ粗生シ、兩側ニ白粉ヲ装フ、尾節ハ褐色ヲ呈ス、脚ハ暗褐、前腿節ノ基部ハ黄褐、體長五分、開張九分、此ハ本州及ビ九州ニ稀ナラズ、分布—本州、九州、

Conops nigricans n. sp. (Pl. XVIII, Fig. 10, ♀).

Dark fuscous. Head orange yellow, face with a silvery reflexion. Proboscis brown, at the apex fuscous, much longer than the antennae. Antennae fuscous, the arista 3-jointed, the second joint at the inner side with an elongated lobe. Occiput with few long dirty-yellow hairs, mingling a few short fuscous hairs. Humerus ferruginous, white pruinose, thorax on the anterior margin with 3 indistinct grayish-yellow stripes, pleurae fuscous, grayish pruinose. Wings hyaline, base and the apical half (except the middle) fuscous, veins dirty yellow. Halteres fuscous, at the base paler. Abdomen seen from above narrower towards the apex with few short black hairs, on the sides white pruinose, hypopygium brown. Legs fuscous, anterior femur at the base ferruginous. Length—15 mm; exp. 27 mm.

Hab.—Kiusiu and Honshu (many specimens in my cabinet).

(322)

ぢやうざんめばい

第十八圖 (12) (♂)

學名 *Conops jozankeanus* Mats.

昆蟲學上ノ地位 眼蠅科

體ハ黑色、頭ハ黄色、後頭ニ鼈甲様ノ圓キ大紋アリ、其前方ノ一帯並ニ更ニ其前方ヨリ觸角ニ至ル

太キ縦條ハ黑色、口部ノ上方ニ細キ三角形ノ暗色紋アリ、口吻ハ黑色、末端ハ灰黄、觸角ハ口吻ト約同長、角片ハ三節ヨリ成リ、第二節ハ葉狀ニ延長シ、第三節ハ稍々三角形ヲ呈シ、末端ハ尖ル、後頭ニ黒毛ヲ粗生ス、肩部ノ中央ハ黄褐、翅透明ニシテ暗褐ヲ帶ビ、翅底並ニ第二及ビ第三脈ノ間ハ濃色、脈ハ暗褐、稜狀部ノ後縁ハ褐色、後胸ノ後角ニ一黄紋アリ、平均棍ハ黄色、基部ハ黄褐、腹部ハ棍棒狀ヲ呈シ、第一節ノ兩側ニアル耳様突起及ビ第二乃至第四節ノ後縁ハ黄色、何レモ前縁ノ中央ニテ少シク列ラル、第五及ビ第六節ニハ灰色粉ヲ裝ヒ、黑色ノ短毛ヲ粗生ス、脚ハ黄色、基節、轉節及ビ腿節基部ヲ除キハ黑色、跗節ノ末端ハ褐色、爪及ビ吸盤ハ黄色、前者ノ末端ハ暗褐、體長三分七厘、開張六分、此ハ九月頃札幌地方ニ稀ナラズ、分布—北海道(札幌)。

Conops jozankeanus n. sp.

Black. Head yellow, occiput black, with a large, round, semiopaque, fulvous spot, a broad longitudinal bar down to the antennal-process black; a narrow triangular spot above epistoma fuscous. Proboscis black, at the apex testaceous. Antennae black, subequal with the proboscis, styli 3-jointed, the 2nd joint with an elongated lobe interiorly, the 3rd triangular, pointed at the apex. Occiput with a few black hairs. Humerus in the middle yellowish. Scutellum at the hind margin brown, metanotum on the hind angles each with a yellowish spot. Wings hyaline, with a few fuscous tinge, base and the space between the 2nd and 3rd longitudinal veins deeper in color, veins fuscous. Halteres yellow, at the bases brownish. Abdomen clavate, broader towards the apex, with short black hairs, side-tubercles of the 1st segment, hind margins of the 2nd to 4th, yellow, each being emarginated in the middle anteriorly, the 4th and 6th grayish pruinose. Legs yellow, coxae, trochanter and femora (except the bases), fuscous, the apical 3 tarsal joints brown, claws and pulvilli yellow, the former at the apices fuscous.

Length—11. mm ; exp. 18 mm.

Hab.—Hokkaido (Jozankei near Sapporo).

(323) えぞはらぼそめばい

第十八圖 (13) (♂)

學名 *Physocephala jezoensis* Mats.

昆蟲學上ノ地位 眼蠅科

體ハ黑褐、顔ハ黄色、後頭及ビ之レヨリ觸角砧ニ至ル一縦條ハ黑褐、尙觸角着部ノ下方ニモ褐色ノ短カキ三縦條アリテ中央ニアルモノハ少シク長シ、口吻ハ黑色ニシテ觸角ヨリモ遙ニ長ク、觸角ハ黑褐、第二節ハ褐色、角片三節ヨリ成リ、第二節ハ長ク延長セルガ爲メ角片ハ二分セルガ如シ、後頭ニ黑褐毛ヲ裝フ、肩部ノ末端ハ少シク黄褐、胸背ニ黑色ノ短毛ヲ粗生ス、稜狀部ノ後縁ハ褐色、翅ハ透明、少シク灰色ヲ帶ビ、前縁ノ半部ハ暗色、但シ末端ニテ前後兩縁ハ透明ナリ、脈ハ褐色、平均棍ハ黄色、腹部ノ第一及ビ第二節ハ細ク、第二節ハ第三節ト約同長、第三節基部ノ兩側ニ赤褐ノ一紋アリ、第四、第五及ビ第六節ノ中央ニ灰色粉ヲ裝フ、尾節ハ鈎狀ヲナシテ下方ニ曲ル、脚ハ褐色、基節ニ銀色ノ光澤アリ、腿節ノ兩端、脛節及ビ跗節ノ基部ハ黄褐、體長四分五厘、開張八分、此ハ七月頃札幌地方ニ稀ナラズ、

Physocephala jezoensis n. sp.

Fuscous. Face yellow, occiput and a broad bar down to the antennal-process, as well as 3 short stripes below the

antennal-insertions, fuscous. Proboscis black, much longer than the antennae, antennae fuscous, the 3rd joint brownish, stylus 3 jointed, the 2nd joint much elongated, so that the stylus seems as if composed of 2 branches. Vertex thinly fuscous pubescent. Humerus in the middle with a yellowish spot; thorax with short sparse black hairs. Scutellum at the hind margin brownish. Wings hyaline, with a few grayish tinge, costal half fuscous, at the apex becoming narrower, veins brown. Halteres yellow. The 3rd abdominal segment at the base on each side with a ferruginous brown spot, the 5th and 6th each in the middle grayish pruinose. Legs brown, coxae silvery pruinose, femora on both ends, tibiae and bases of tarsi, yellowish brown.

Length—13.5 mm.; exp. 24 mm.

Hab.—Hokkaido (Sapporo); not uncommon.

(324) なかほしめばい

第十八圖 (14) (♀)

學名 *Myopa testacea* L.

昆蟲學上ノ地位 眼蠅科

體ハ褐色、顔ハ黃白、黃白毛多シ、複眼ノ内側ニ一褐紋アリ、頭頂ハ褐色、暗褐毛ヲ裝フ、三個ノ黃紋アリ、口吻褐色ニシテ頗ル長ク、三折シ、第二節ハ暗褐、小腮鬚ニ長毛多シ、觸角黃褐、第三節ハ卵形ヲ呈シ、端刺ハ背部ノ中央ヨリ出ヅ、胸背ノ中央ハ廣ク暗褐、暗褐毛多シ、鱗狀瓣ハ白色、平均棍ハ黃白、翅ハ半透明、少シク褐色ヲ帶ビ、脈ハ褐色、後横脈上ニ暗褐ノ一紋アリ、腹部ハ卵形、第一節、第二節ノ基半部、第三及ビ第四節ノ基部ハ暗褐、第二乃至第四節ノ兩側並ニ第五節ニ灰白粉ヲ裝フ、脚ハ黃褐、後肢ハ短大、黒毛多ク、爪ハ白色、末端ハ黒色、體長二分五厘—三分、開張四分五厘—五分五厘、此ハ東京地方ニ稀ナラズ、

分布—北海道、本州、九州、歐洲、

(325) ふたをれめばい

第十八圖 (15) (♂)

學名 *Occenyia nishitapensis* Mats.

昆蟲學上ノ地位 眼蠅科

體ハ暗褐、頭頂及ビ顔ハ橙黃色、頬ニ絹様ノ光澤アリ、口吻ハ暗褐ニシテ、三折シ、末端ハ黃褐、觸角ハ黃褐、初メノ二節ニ暗褐毛ヲ裝フ、第三節ハ第二節ヨリ遙ニ短カク、卵形ヲ呈シ、背上ノ中央ニ短カキ端刺ヲ裝フ、後頭褐色ニシテ、黑色ノ二縱條ヲ具ヘ、黒毛ヲ粗生ス、肩部及ビ胸背ノ兩側ハ黃褐、黒褐ノ短毛ヲ粗生ス、稜狀部ノ後縁ニ四個ノ長キ黃褐毛アリ、鱗狀瓣及ビ平均棍ハ黃白、翅ハ透明、少シク暗褐ヲ帶ビ、脈ハ暗褐、腹部ハ胸背ヨリモ細ク、第一節ノ兩側、第二節前後縁ノ兩側、第三節ノ兩側並ニ第四以下ノ各節ハ黃褐、第二節ノ末端、第三節ノ前後縁、第四節並ニ第五節前縁ニ灰白粉ヲ裝フ、尾端ハ鈎狀ヲナシテ下方ニ曲ル、第四腹節ノ下面ニ葉狀ノ一突起アリ、脚ハ黃褐、腿節中央ニ暗褐ノ一紋アリ、體長三分五厘、開張六分、此ハ札幌地方ニ稀ナラズ、八九月頃ニ花上ニ捕獲シ得ベシ、

Occenyia nishitapensis n. sp. (Pl. XVIII, Fig. 15, ♂).

Fuscous. Vertex and face orange yellow. Cheeks with a silky reflexion, occiput brown, with 2 black stripes, thinly

black pubescent. Proboscis long, fuscous, at the apex testaceous. Antennae testaceous, the 1st 2 joints with short fuscous hairs, the 3rd oval, the arista short and concolorous with the antennae. Humerus and thorax on sides, ferruginous, with short fuscous hairs, scutellum with 4 long ferruginous bristles. Calypteres and halteres pale yellow. Wings hyaline, with a fuscous shade, veins fuscous. Abdomen narrower than the thorax, the 1st and 3rd segments on each side, the 2nd at the anterior and posterior margins and the following 3 segments, ferruginous, the 2nd at the posterior, the 3rd at the anterior and posterior margins and the 4th and 5th each at the anterior margin, grayish pruinose; hypopygium hook-like curved downwardly; the 4th ventral segment in the male with a leaf-like projection downwardly. Legs ferruginous, femora each with a fuscous spot.

Length—10.5 mm.; exp. 18 mm.

Hab.—Hokkaido (Sapporo); not rare.

(326) をぐまふたをれめばい

第十八圖 (16) (♀)

學名 *Oocemyia Ogumae* Mats.

昆蟲學上ノ地位 眼蠅科

體ハ黃褐、頭頂及ビ顔ハ橙黃色、後頭、頰及ビ觸角ハ黃褐、口吻ハ暗褐、末端ハ黃褐、三折シ、末端ノ二節ハ稍々同長ニシテ長シ、觸角ニハ絹様ノ光澤ヲ帶ブ、後頭及ビ頭頂ニ黒毛ヲ裝フ、胸背ニ四條ノ黒褐條アリテ、中央ニアル二條ハ長シト雖ドモ後縁ニ達セズ、且ツ相近接ス、黒毛ヲ具ヘ、平均棍ハ橙黃色、翅ハ透明、少シク灰色ヲ帶ブ、脈ハ基部ヲ除キ暗褐、腹部ニ黒毛多ク、第二節ノ基部ニ二個ノ黒紋ヲ具ヘ、第三、第四及ビ第五節ノ基部ニ灰白粉ヲ裝ヒ、帶ヲナス、脚ハ黃褐、黒毛ヲ裝フ、中胸片ノ兩側ニ一暗褐紋アリ、體長三分、開張五分、此ハ樺太ニテ小熊桿氏ノ採集セル

ノナリ、稀ナラス、
分布—樺太(しうらか)。

Occemyia Ogunae n. sp. (Pl. XVIII, Fig. 16, ♀).

Yellowish brown. Vertex and face orange-yellow, occiput, cheeks and antennae, ferruginous. Proboscis fuscous, at the apex ferruginous. Antennae with a silky luster. Occiput and vertex with a few black hairs. Thorax with 4 fuscous vittae, the middle two longer and placed close each other, with short black hairs. Wings hyaline, with a few grayish tinge, veins except the base, fuscous. Abdomen densely black pubescent, the 2nd segment at the base with 2 black spots, the 3rd, 4th and 5th each at the base grayish pruinose. Mesopleurae each with a fuscous spot. Legs ferruginous, with short black hairs.

Length—9 mm.; exp. 15 mm.

Hab.—Sighalien (Shirataka); not rare.

(327)

しらつりあぶ

第十八圖 (17) (♀) (18) (♂)

學名 *Anastoechus nitidulus* F.

昆蟲學上ノ地位 長吻虻科 (Bombyliidae)

體ハ灰黒、灰黄ノ長毛ヲ密生シ、光線ノ工合ニヨリ黄白ニシテ絹様ノ光澤ヲ帶ブ、觸角ハ灰黒、末端ハ褐色、第二節ハ短カシ、頭ニハ灰白ノ長毛ヲ密生シ、後頭ニハ黒毛ヲ混ズ、口吻ハ黒褐、割合ニ短カク、頭ノ約三倍長アリ、末端ハ二分ス、翅底ノ前線ニ黒色ノ剛毛ヲ簇生ス、翅ハ透明、少シク灰黄ヲ帶ビ、前線室及ビ脈ハ淡黄褐、平均棍ハ黄褐、頭狀部ハ黒色、腹部ノ兩側及ビ末端ニ黒色ノ剛毛ヲ粗生シ、其基部及ビ末端ハ灰白、體下ニ灰白ノ長毛ヲ密生ス、脚ハ灰黄、腿節ハ黒色、白

鱗ヲ密生ス、跗節ハ黃褐、體長三分六厘—四分二厘、開張九分、此ハ中國及ビ九州地方ニ産スレドモ稀ナリ、

分布—本州、九州、支那、歐洲、

(328) すゞきつりあぶ

第十八圖 (18) (1)

學名 *Anastoechus Suzukii* Mats.

昆蟲學上ノ地位 長吻虻科

前種ニ酷似スレドモ其異ナル所ハ左ノ如シ、

(1) 形少シク大ナルコト、體長四分五厘、(♀)ハ更ニ一層大ナラン(標本ヲ所有セズ)。

(2) 體ハ天鵞絨様ノ黑色、體毛ハ一層細ク、腹側ニ黒毛ヲ缺キ、尾端ニ混ズル黒毛ハ其數少ナク其末端灰白ナラズ、

(3) 複眼ノ内側及ビ後側ニ黒毛多シ、口吻ハ少シク長シ、

(4) 翅ハ長大ニシテ廣ク、翅底及ビ前縁ノ半部ハ黃褐ニシテ翅底ノ前縁ニアル黒毛ハ短カシ、此ハ京都鈴木元治郎氏ノ採集セルモノナルガ稀ナルガ如シ、

分布—本州(京都)。

Anastoechus Suzukii n. sp. (Pl. XVIII, Fig. 18, ♂).

Much resembles to *A. multihus* F., but differs from the latter as follows. Body deep black, with some velvety luster.

Head on the sides along the facial orbit with a few black hairs, black hairs at tempora being much denser. Proboscis somewhat longer. Wings much broader, $\frac{3}{4}$ of the costa and base ferruginous, black fringes of the costa at base much shorter. Abdomen with narrower hairs, on the sides not mingling black hairs, black hairs on the posterior margin not grayish tipped.

Length—♂ 13.5 mm.; exp. 33 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki, not common.

(329) しばかはつりあぶ

第十八圖 (19) (♀)

學名 *Bombylius Shibakawae* Mats.

昆蟲學上ノ地位 長吻虻科

體ハ黑色、金色ノ光澤アル黃褐ノ長毛ヲ密生ス、頭ニハ黒毛ヲ裝ヒ、觸角ノ後方ニ金色ノ短毛ヲ簇生ス、顔ハ灰黃、金色ノ短毛ヲ混ズ、觸角及ビ口吻ハ黑色、後者ハ長ク、體長ヨリモ少シク短カシ、胸側ニ少シク黒毛ヲ混ズ、翅ハ透明、翅底ノ半部ハ暗色、外半ハ少シク灰色ヲ帶ブ、脈ハ黒褐、横脈ハ太ク判然ス、平均棍ハ黄色、頭狀部ニ一黒紋アリ、腹部ハ短カク、胸部ヨリモ廣ク、兩側ノ二ヶ所ニ一塊ヲナシテ黒毛ヲ混ズ、尾端ニモ黒毛ヲ混ズ、脚ハ淡黃褐、基節、轉節及ビ跗節ハ褐色、體長三分五厘(口吻ヲ除キ)、開張九分五厘、此ハ初メ芝川又之助氏ノ大阪ニテ採集セルモノナルガ、京都ニモ稀ナラズ、

分布—本州大阪、京都、

Bombylius Shibakawae n. sp. (Pl. XVIII, Fig. 19, ♀)

Deep black, with long velvety fulvous hairs. Head fuscous pubescent, behind the antennae with short fulvous hairs,

ace dirty yellow, mingling a few short golden hairs. Proboscis and antennae fuscous, the former somewhat shorter than the body. Thorax on the sides mingles some few black hairs. Wings hyaline, with a few grayish tinge, on the basal half fuscous, veins fuscous, cross-veins conspicuous. Halteres yellowish, the knobs each with a luscous speck. Abdomen short, broader than the thorax, on each side with 2 clusters of black hairs, on the hind margin mingling some black hairs. Legs testaceous, coxae, trochanter and bases of femora and tarsi, brownish.

Length—10.5 mm.; exp. 28.5 mm.

Hab.—Honsu (Osaka and Kyoto); collected by Mr. M. Shibakawa in Osaka and by A. Nohira in Kyoto.

(330) わたなべつりあぶ

第十八圖 (20) (♀)

學名 *Bombylius Watanabei* Mats

昆蟲學上ノ地位 長吻虻科

體ハ黑色、淡黄褐ノ長毛ヲ密生シ、觸角ハ黒褐、初メノ二節ニ黑色ノ長毛ヲ装フ、頭頂、顔ノ兩側並ニ複眼ノ後方ニ黒毛ヲ混シ、口吻ハ體ト約同長、翅ハ透明、前縁ノ半ハ暗色、其後縁ニ三個ノ凹所アリ、脈ハ暗褐、平均棍ハ黄色、頭狀部ハ暗色ニシテ之レニ一黄紋アリ、金色ノ長毛ヲ密生シ、後縁ノ下方ニ少シク暗褐毛ヲ混ズ、脚ハ黄褐、基節、轉節並ニ跗節ノ末端ハ褐色、體長四分五厘、開張一寸一分、此ハ臺灣北埔ニテ故渡邊龜作氏ノ捕獲セル珍種ナリ、分布—臺灣(北埔)。

Bombylius Watanabei n. sp. (Pl. XVIII, Fig. 20, ♀).

Black, with a silky luster, with long silky pale-yellowish hairs. Antennae uscous, the first joint with long black

hairs. Vertex, ace on the sides, occiput and tempora mingling some black hairs. Proboscis nearly as long as the body. Wings hyaline, the costal half fuscous, veins fuscous. Halteres yellow, the knobs fuscous, with a yellowish patch. Abdomen with long fulvous hairs, on the hind margin beneath mingling some few fuscous hairs. Legs yellowish brown, coxae, trochanter, bases of femora, as well as apices of hairs, brownish.

Length—13.5 mm ; exp. 33 mm.

Hab.—Formosa (Hoppo) ; a single specimen collected by the former. K. Watanabe.

(331) こびろつりあぶ

第十八圖 (21) (♂)

學名 *Bombylus atriceps* Loew

昆蟲學上ノ地位 長吻虻科

體ハ黑色、絹様ノ光澤アル黄白ノ長毛ヲ装フ、頭頂、顔ノ兩側及ビ初メノ二觸角節ニ黒毛ヲ装ヒ、顔ニ少シク黒毛ヲ混ズ、口吻ハ體ト約同長、翅ハ透明、翅底及ビ前縁ノ半部ハ暗色、暗色部ハ第三脈ノ末端外ニ達セズ、翅底ノ葉狀部ハ灰白ニシテ周圍少シク暗色ヲ帶ブ、腹部中央ノ兩側ニ暗褐ノ一毛束アリ、後縁ニモ暗褐毛ヲ混ズ、腹面ノ中央ニ近ク褐色ノ一毛帶アリ、脚ハ黄色、基節、轉節、腿節ノ基部並ニ跗節ノ末端ハ褐色、體長三分、此ハ札幌地方ニ普通ナリ、分布—北海道、本州、歐洲、

(332) まへぐろつりあぶ

第十八圖 (22) (♀)

學名 *Hyperalonia similis* Coq.

昆蟲學上ノ地位 長吻虻科

體ハ黑色、頭ハ球形、觸角ハ黑色、末端節ハ褐色、胸背ニハ黒毛ヲ裝ヒ、兩側ニハ黄褐毛ヲ簇生ス、翅ハ透明、少シク灰色ヲ帶ブ、翅底及ビ前縁ノ半部ハ黑色、脈ハ黒褐、鱗狀瓣及ビ平均棍ハ暗色、稜狀部ハ少シク褐色ヲ帶ブ、腹部ハ胸部ト同長、基部ノ兩側ニ黄褐毛多シ、初メノ三腹面節ニハ銀白毛ヲ裝フ、脚ハ黑色、黒毛多シ、體長四分、開張九分五厘、此本州ニ産スレドモ餘リ多カラズ、分布—本州(岐阜、京都)。

(333) えぞくろつりあぶ

第十八圖 (23) (♀)

學名 *Anthrax jezoensis* Mats.

昆蟲學上ノ地位 長吻虻科

體ハ黑色、短カキ黒毛多シ、觸角ハ短カク、第三節ノ角片ハ頗ル細シ、頭ハ球形、後頭及ビ胸背ハ暗褐、兩側ニ黒毛ヲ簇生シ、之レニ少シク灰白毛ヲ混ズ、翅ハ黑色、外縁及ビ後縁ハ透明ニシテ後縁ニハ二黒紋ヲ突出シ、外縁ニハ黑色ノ四脈ヲ具ヘ、其内末端ニアル一脈ハ太クシテ弓狀ニ曲ル、鱗狀瓣ハ灰白、平均棍ハ暗褐ニシテ末端ハ暗黄、腹部ハ長楕圓形、基部ノ兩側及ビ第七節ノ兩側ニ白毛、尾端ニハ暗黄毛ヲ簇生ス、脚ハ黑色、基部及ビ胸面ハ灰色ヲ帶ビ、前胸面ニハ灰白毛ヲ混ズ、體長四分、開張一寸、此ハ札幌地方ニテ普通ナルモノニシテ山間ノ道路ニ捕獲シ得ベシ、分布—北海道、本州、臺灣、

Anthrax jezezensis n. sp. (Pl. XVIII, Fig. 23, ♀).

Black, with short black hairs. Antennae black, thorax on the sides with dense black hairs, mingling a few grayish hairs. Wings black, apex and hind margin hyaline, the latter with 2 produced black spots, veins black, one of the apex being broader and curved. Calypteres grayish, halteres fuscous, at the tip dirty yellow. Abdomen oblong, the 1st and 7th segments on each side with dense silvery white hairs, hypopygium with dense testaceous hairs. Pectus somewhat grayish pruinose, at the anterior margin with some grayish hairs. Legs black, coxae grayish pruinose.

Length—12 mm.; exp. 33 mm.

Hab.—Hokkaido, Honshu and Formosa (not rare).

(334)

やましろうくろつりあぶ

第十八圖

(24)

(♀)

學名 *Anthrax yamashiroensis* Mats.

昆蟲學上ノ地位 長吻虻科

體ハ黑色、黒毛ヲ装フ、頭及ビ觸角ハ前種ト同様、複眼ノ内側ハ褐色、翅ハ翅底ノ半部及ビ前縁ニテ黑色、第三脈ノ基部ハ直角ヲナシ、其内側ニ沿ヒ黒紋ノ一突起ヲ出ス、極ク翅端ハ透明、脈ハ褐色、鱗狀瓣ハ灰色、平均棍ハ暗色、頭狀部ノ末端ハ少シク暗黄ヲ帶ブ、腹部ハ細ク、胸部ト同長、第一節ノ兩側ニ白毛塊アリ、胸面ニ灰白毛ヲ装フ、脚ハ黑色、脛節及ビ跗節ハ黄褐、後脛節ハ少シク濃色、體長二分二厘、開張五分五厘、此ハ京都ニテ鈴木元治郎氏ノ採集セルモノナルガ稀ナルガ如シ、

分布—本州(京都)。

Anthrax yamashiroensis n. sp. (Pl. XVIII, Fig. 24, ♀).

Back, with short black hairs. Antennae black, the third joint somewhat brownish; inner sides of the compound eyes also brownish. Thorax on the sides mingling some grayish-white hairs. Wings hyaline, the basal half bounded obliquely and costa, black, at the base of the third vein with a triangular black projection, at the extreme apex being hyaline. Calypteres grayish, halteres fuscous, the knobs each at the extreme apex dirty yellow. Abdomen narrow, as long as the thorax, the first segment on each side with a bundle of white hairs. Pectus with some grayish white hairs. Legs black, tibiae and tarsi yellowish brown, the hind tibiae being somewhat deeper in color.

Length—6.6 mm.; exp. 16.5 mm.

Hab.—Honsu (Kyoto, in the Prov. Yamashiro); collected by Mr. M. Suzuki.

(335)

をがさはらつりあぶ

第十八圖 (25)

(♀)

學名 *Anthrax ogasawarensis* Mats.

昆蟲學上ノ地位 長吻虻科

體ハ黑色、金色ノ短毛多シ、顔ハ短カキ圓錐形ヲナシテ突出ス、口吻ハ褐色、頭ノ高サヨリ少シク短カシ、觸角ハ褐色、第二節ハ少シク濃色、金色ノ鱗毛ヲ裝ヒ、黒毛ヲ混ズ、胸背ニハ短カキ黒毛ヲ粗生シ、兩側ニ金色毛ヲ簇生ス、稜狀部ノ後縁ニアル剛毛ハ黑色、翅ハ透明、少シク灰色ヲ帶ビ、前縁ニ於ケル翅底ノ半部ハ廣ク黑色、何レモ横脈ノ處ニテ黑色ノ鈍角紋ヲ出ス、鱗狀瓣及ビ平均棍ハ黃褐、脈ハ褐色、腹部ハ楕圓形、金色ノ鱗毛多ク、少シク黒毛ヲ混ズ、兩側ニ黒毛多シ、腹面ノ基部ニ黄色ノ長毛ヲ粗生ス、脚ハ黒褐、脛節及ビ跗節ハ少シク淡色、體長三分、開張六分五厘、此

ハ小笠原島ニテ余ノ採集セルモノナルガ稀ナルガ如シ。
分布—小笠原島(父島)。

Anthrax ogasawarensis n. sp. (Pl. XVIII, Fig. 25, ♀)

Black, with black and golden scally hairs. Face above the epistoma with a short cone-like projection, vertex with long black hairs, mingling some golden scally hairs; proboscis and antennae black, the former somewhat shorter than the height of the head, the latter at the base and the second joint, deeper in color. Thorax in the disk with a few black hairs, on the sides with dense golden hairs. Scutellum on the hind margin with long black bristles. Wings hyaline, at the basal half of the costa black, with an obtuse projection respectively at the cross-veins, veins fuscous. Calypteres and halteres yellowish brown. Abdomen oblong, with some golden scally hairs, mingling some black hairs, on the sides with dense black hairs. Venter at the base with a few long yellowish hairs. Legs fuscous, tibiae and tarsi brownish.

Length—9 mm.; exp. 19.5 mm.

Hab.—Bonin-Island (Ogasawarajima); 2 specimens collected by the author.

(336)

こうしゆんつりあぶ

第十八圖 (26) (♀)

學名 *Anthrax koshunensis* Mats.

昆蟲學上ノ地位 長吻虻科

體ハ黒褐、黒毛ヲ装フ、觸角ハ黒褐、角片ノ末端ハ黄褐、顔ニハ黒色ノ剛毛多シ、頰及ビ複眼ノ後方ハ灰色ヲ帯ビ、灰白ノ鱗毛ヲ装フ、胸背ニハ短カキ灰白毛ト黒毛ヲ混生ス、兩側ニアルモノハ長シ、翅ハ透明、翅底ノ半部ハ黒色ニシテ透明部ト斜ニ限界セラル、兩横脈ノ處ニ各一突起ヲ出ス、

脈暗褐ニシテ、第三脈ハ横脈ヨリ少シク内方ニテ終止ス、鱗狀瓣ハ灰白、平均棍ハ暗黄、頭狀部ニ判然セザル一褐紋アリ、腹部ハ胸部ト同長、兩側ニ黒毛多ク、兩側ニ長黒毛アリテ少シク白毛ヲ混ズ、第一節ノ兩側ニハ白毛ヲ簇生ス、脚ハ黒褐、前半ノ脛節及ビ跗節ハ褐色、體長三分、開張七分五厘、此ハ臺灣恒春ニテ捕獲セルモノナルガ稀ナルガ如シ、
分布—臺灣(恒春)。

Anthrax koshunensis n. sp. (Pl. XVIII, Fig. 26, ♀).

Dark brown, with black hairs. Antennae fuscous, stylus at the apex yellowish brown. Face with strong black hairs. Cheeks and tempora grayish, with grayish white scally hairs. Thorax with short grayish and black hairs, those of the sides being much longer and denser. Wings hyaline, the basal half obliquely black bounded, at the cross-veins each with a blunt spot-like projection, veins fuscous, the third vein ending abruptly just before the apical cross-vein. Calypteres grayish white, halteres dirty yellow, the knobs each with a brownish spot. Abdomen as broad as the thorax, with short black hairs, on the sides with long black hairs, mingling a few grayish-white hairs, those of the first segment being largely white. Legs fuscous, the first 4 tibiae and tarsi brownish.

Length—9 mm.; exp. 22.5 mm.

Hab.—Formosa (Koshun); collected by the author.

(337) をがさはらほしつりあぶ 第十八圖 (27) (♀)

學名 *Argyromoeba boninensis* Mats.

昆蟲學上ノ地位 長吻蛇科

體ハ黒色ニシテ少シク灰色ヲ帶ブ、頭ハ球形、頭頂ニ黒毛ヲ具ヘ、前頭ニ白毛ヲ混ズ、觸角ハ黒褐、

角片ハ黄褐、顔ニモ黒毛及ビ白毛ヲ混生ス、口吻ハ褐色、胸背ニ白毛ト黒毛ヲ混生シ、殊ニ兩側ニハ白毛多シ、稜狀部ニハ黒褐ノ長毛多ク、白色ノ短毛ヲ混生ス、翅ハ透明、少シク灰色ヲ帯ビ、脈ハ暗褐、副前緣室及ビ翅底ノ大部ハ暗色、中央ニアル二横脈上ニ暗色ノ一紋ヲ具ヘ、其直下ノ脈上ニモ小暗色紋ヲ裝フ、第二脈ハ中横脈ノ少シク内方ニテ終止シ、第三脈ハ外横脈ノ少シク内方ニテ終止ス、鱗狀瓣ハ灰白、平均棍ハ暗黄、腹部ハ細長、黒毛多ク、白色ノ鱗毛ヲ混ズ、第一節ノ兩側ニハ白毛ヲ密生シ、尾端ニハ金色毛ヲ簇生ス、脚ハ褐色、脛節及ビ跗節ハ少シク淡色、體長二分五厘、開張六分、此ハ小笠原島ニテ採集セルモノナルガ稀ナルガ如シ、
分布—小笠原島(父島)。

Argyrocnoba boninensis, n. sp. (Pl. XVIII, Fig. 27, ♀).

Black, with a slight grayish shade. Vertex black hairy, front mingling some white hairs. Antennae fuscous, styli yellowish brown. Face with white and black hairs, on the sides with more white hairs. Scutellum with long fuscous hairs, mingling some short whitish hairs. Wings hyaline, with a few grayish tinge, veins fuscous, subcostal cell and a larger part of the base dark, in the middle upon the cross-vein with a fuscous spot, directly just below the spot also with a small fuscous spot (at the base of the sixth vein); the second vein terminates in the inner side of the middle-cross-vein and the third in the inner side of the outer cross-vein. Calypteres grayish white, halteres dirty yellow. Abdomen narrow, with black hairs, mingling some whitish scaly hairs, on the sides of the first segment with dense white hairs, at the apex with dense golden yellowish hairs. Legs brown, tibiae and tarsi somewhat paler.

Length—7.5 mm.; exp. 18 mm.

Hab.—Bonin-Island; collected by the author.

(338)

ほッぽはらぼそつりあぶ

第十八圖 (28)

(♂)

學名 *Sytropus hoppo* Mats.

昆蟲學上ノ地位 長吻虻科

體ハ黑褐、頭頂ハ黃褐、前頭ハ黑色、顔ハ前方ヨリ見レバ銀白色、觸角ハ黑褐、觸角砧ハ黃白、第一節ハ黄色、末端ハ黑色、黒毛多ク、第一節ハ第二及ビ第三節ヲ合シタルモノト約同長、第三節ハ薙刀狀ヲ呈ス、口吻ハ暗褐、基部ハ黃褐、胸背ノ各肩部ニアル一長紋、翅ノ附着部ノ前後ニアル各一紋ハ黄色、附着部ノ下方ニ黃白紋アリ、中央ニ灰色ノ一縦條ヲ具ヘ、稜狀部ノ前方ニ黃褐ノ二紋アリ、稜狀部ノ後縁黄色ニシテ同色毛ヲ装フ、翅ハ半透明、褐色ヲ帶ビ、脈ハ褐色、第六腹節ノ半ニ達ス、鱗狀瓣ハ黃白、平均棍ハ黃褐、頭狀部ハ黄色、其外側ニ黑褐ノ一紋アリ、後胸面ハ大ニシテ兩側及ビ中央ニ黄色ノ各一縦條アリ、第二乃至第四腹節ハ側面ニテ黃白、第五及ビ第六節ノ後縁ハ黄色、但シ背面ニ黄色部ナシ、脚ハ黑褐、後肢頗ル長シ、前肢ハ腿節ノ基部ヲ除キ黄色、中後兩肢ノ腿節末端及ビ脛節ノ兩端ハ黄色、後腿節ハ褐色ニシテ、末端及ビ下面ハ黄色、體長八分、開張一寸一分、此ハ臺灣ニテ捕獲セルモノナルガ餘リ多カラズ、

分布—臺灣(北埔)。

Sytropus hoppo n. sp. (Pl. XVIII, Fig. 28, ♂)

Fuscous. Vertex yellowish brown, front black, face silvery white. Antennal process pale yellow, antennae fuscous, the first joint yellowish, at the tip fuscous, with fuscous hairs, proboscis fuscous, at the base yellowish brown. A long spot at the

humerus and a spot each before and behind the wing-insertion, yellow, below the insertion with a pale yellowish spot, in the middle with a grayish longitudinal stripe, before the scutellum with a yellowish-brown spot, scutellum on the hind margin yellowish, with the concolorous hairs. Wings subhyaline, brownish infuscated, veins fuscous. Calypteres pale yellow, halteres yellowish brown, the knobs yellowish, on the outer side with a fuscous spot. Metasternum with three broad longitudinal yellowish stripes. Abdomen much longer than the wings, the second to fourth segments, except the dorsum, and each hind margin of the fifth and sixth, yellowish; the second to fourth ventral segments each with 2 narrow fuscous stripes. Legs fuscous, the anterior legs except the bases of femora, apices of the femora and both ends of the tibiae, yellowish, the posterior femora beneath being pter.

Length—26 mm.; exp. 33 mm.

Hab.—Formosa (Hoppono, Taikokan); collected by the author.

(339) すずきはらぼそつりあぶ

學名 Syrtropus Suzuki Mats.

昆蟲學上ノ地位 長吻虻科

前種ニ酷似スレドモ其重ナル差異ハ左ノ如シ、

(1) 體ハ小形ナルコト、(2) 顔ハ黄褐ニシテ銀色ノ光澤ヲ缺キ、前頭ハ黒褐、(3) 胸背ノ黄紋ハ相連續シ、兩側ニ丁字形ノ斑紋ヲ現ハシ、中央ニハ灰色ノ縦條ヲ缺キ、稜狀部ノ前方及ビ後縁ニ黄紋ヲ缺ク、(4) 平均棍ハ黄色、頭狀部ノ内側ニ一褐紋アリ、(5) 腹部ハ第二節以下全部黄褐、兩側ニテ少シク淡色、腹面ニ黒褐ノ二縦條アリ、(6) 後胸面ハ全部暗褐、第一腹節ニ接スル所ノ兩側ニ各一黄褐紋ヲ具ヘ、翅ノ附着部ノ下方ニ黄白紋ヲ缺ク、(7) 脚ハ黄褐、基節、轉節、後脛節ノ中央並ニ跗節末端ノ二節ハ褐色、體長七分内外、開張九分、此ハ京都鈴木元治郎氏ノ採集セルモノナリ、

第十八圖 (29) (♂)

分布—本州(京都)。

Syrtropus Suzukii n. sp. (Pl. XVIII, Fig. 29, ♂).

Much resembles to *S. hoppe* Mats., but differs from the latter as follows:

Body smaller. Face yellowish brown, without a silvery reflexion, front fuscous, thorax without any grayish stripe in the middle, on each side with T-shaped broad yellowish stripe, before the scutellum and the latter at the hind margin without any yellowish spot. Halteres yellow, the knobs each with a brownish spot interiorly. Abdomen except the first segment yellowish brown, on the sides somewhat paler, venter with 2 fuscous stripes. Metasternum fuscous, the hind angles being yellowish brown. Beneath the wing-insertion it lacks pale yellowish spot. Legs yellowish brown, coxae, trochanter, the middle part of the hind tibia, as well as the last 2 tarsal joints, brown.

Length—21 mm.; exp. 27 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki.

(340) にこへはらばそつりあぶ

第十八圖 (30) (♂)

學名 *Syrtropus Nitobei* Mats.

昆蟲學上ノ地位 長吻虻科

體ハ黑色、頭頂ハ褐色、顔ハ銀白色、觸角ハ暗褐、第一節ハ黄色、末端ハ黄褐、黒短毛ヲ密生ス、口吻ハ暗褐、基部ノ下面ハ黄褐、觸角ヨリモ長シ、胸背ノ兩側ニ各三黄紋ヲ縦列ス、氣門及ビ其直下ノ一紋ハ黄白、後胸側ニ灰白粉ヲ装ヒ、白色ノ短毛多シ、翅ハ半透明、暗色ヲ帶ブ、脈ハ翅底ノ半部ニテ黄褐、外半ニテ暗褐、平均棍ハ橙黄色、腹部ハ第一節ヲ除キ淡黄褐、第二節及ビ第五節ハ

背部ニテ少シク濃色、脚ハ橙黄色、後肢ノ基節、脛節ノ中央、第一節ヲ除キタル跗節ハ暗褐、脛節ノ末端及ビ第一跗節ハ黄白、體長五分、開張五分、青森ニテ初テ新渡戸稻雄氏ノ採集セルモノナリ、分布—北海道(札幌)本州青森、東京、

Syrtopus Niobei n. sp. (Pl. XVIII, Fig. 30, ♂).

Black. Vertex yellowish brown. Face silvery white. Antennae fuscous, the first joint yellowish, at the apex brownish, with short black hairs. Proboscis fuscous, under side at the base yellowish brown, somewhat longer than the antennae. Thorax on the sides with 3 yellowish spots in a longitudinal row, stigma and a spot below it pale yellowish, metapleurae grayish pruinose, with short white hairs. Wings subhyaline, quite deeply infuscated, veins fuscous, at the basal half yellowish brown. Halteres orange yellow. Abdomen except the first segment orange yellow, the second to fifth segments each on the dorsum yellowish brown. Legs orange-yellow; cox 1, the middle part of the tibia, and tarsus (except the first joint) of the hind legs, fuscous, apex of the tibia and the first joint of the tarsus pale yellowish.

Length—15 mm.; exp. 15 mm.

Hab.—Hokk. (Sapporo), Honshu (Aomori, Tokyo); at first collected by Mr. I. Niobe in Aomori.

(341) りりいろおほむしひら

第十九圖 (1) (♂) (1a) (♀)

學名 *Microstylum Oberthuri* Wulp.

昆蟲學上ノ地位 食蟲蛇科 (Asilidae).

體ハ黑色、頭ハ稍ヤ圓形ニシテ平タク、口吻ハ大ニシテ前方ニ突出ス、口上毛ハ黑色、口下縁ニハ淡黄褐ノ長毛ヲ簇生ス、顔ハ褐色、頭頂ハ暗褐、後者ノ兩側ニ剛毛ヲ粗生ス、觸角ハ長ク、第一節

ノ基部ハ黃褐、第三節ハ第一及ビ第二節ヲ合シタルモノヨリモ少シク長ク、末端ニアル兩片ハ微小ナリ、胸背ニハ黑色ノ短毛ヲ粗生シ、兩側ニハ同色ノ剛毛アリ、翅ハ半透明、黑藍色、脈ハ黑色、後胸ノ兩側ニ淡黃褐毛ヲ簇生ス、平均棍ハ暗褐、雌ニテハ腹部ハ細ク圓柱形ヲ呈シ、末端ニ至ルニ從ヒ細小ス、初メノ四節ハ光澤ヲ缺ケドモ終リノ四節ハ頗ル光澤ヲ帶ビ、尾端ニハ十數個ノ褐色ノ剛刺ヲ裝ヒ、第一及ビ第二節ノ兩側ニハ黃褐毛ヲ簇生ス、前胸片及ビ前基節ニ黃褐毛多シ、脚ハ頗ル太ク、三双稍々同長ニシテ、後肢少シク長シ、腿節ニ剛毛ヲ裝ヒ、吸盤及ビ中央ノ剛毛ハ暗黃、雄ニテハ胸背ニ灰白粉ヲ裝ヒ、體ハ天鷲絨様ノ黑色、腹部ハ廣ク、黑毛多ク、殊ニ兩側ニアルモノハ總狀ヲナス、生殖器ハ黃褐、體長(♂)一寸三分、(♀)一寸五分内外、開張二寸二分—二寸六分、此ハ臺灣恒春地方ニ稀ナラズ、其性頗ル猛烈ニシテ蜻蛉其他金龜子ノ如キ甲蟲ヲ捕食スルヲ見ル、分布—臺灣(恒春)。

(342)

つまぐろおほむしひき

第十九圖(2) (♀)

學名 *Microstylum amoense* Bigot.

昆蟲學上ノ地位 食蟲虻科

體ハ灰色、頭ハ灰白、口上毛ハ黃白、口下緣及ビ頬ニアルモノハ灰白、後頭ニ黑色ノ剛毛ヲ列シ、觸角ハ黑色、第三節ノ基部ハ黃褐、胸背ノ中央ニ暗色ノ二縱條ヲ具ヘ、黑色ノ短毛ヲ粗生シ、兩側ニ剛毛ヲ列ス、胸側ハ少シク黃色ヲ帶ブ、翅ハ半透明、少シク褐色ヲ帶ビ、脈ハ褐色乃至黑褐、平

均棍ハ淡黄、腹部ハ細長、圓柱形、初メノ四節ハ背上ニテ暗灰色ヲ呈シ、兩側及ビ下面ハ灰色、終リノ四節ハ光澤アル黑色ニシテ横雜多シ、尾端ニ褐色ノ剛刺十數個アリ、脚ハ黑色、前脛節ノ基部ハ褐色、黄色及ビ黑色ノ剛毛ヲ裝ヒ、吸盤ハ橙黄色ニシテ中央ノ剛毛ハ黄褐、第五跗節ノ剛毛ハ末端黄褐、體長一寸四分、開張一寸五分—二寸一分、此ハ前種同様ニ恒春地方ニテ普通ナリ、前種同様ニ他蟲ヲ捕食ス、
分布—臺灣(恒春)、支那(福州)、

(343) めすあかおほむしひき

第十九圖 (♂) (♀)

學名 *Microstylum dimorphum* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ雌ニテハ暗褐、口吻ノ末端ハ黄褐、口上毛及ビ口下毛ハ金色、小腮鬚ハ褐色、之レニ黄毛ヲ裝ヒ、上方ニアルモノハ少シク濃色ナリ、頭頂ノ兩側ニハ淡キ黄褐毛ヲ簇生ス、觸角ハ暗褐、第一節ノ下面並ニ第三節ノ基部ハ黄褐、前胸背ノ兩側突起、中胸背ノ前後兩角、兩側並ニ稜狀部ハ黄褐、金色ノ短毛ヲ裝ヒ、兩側ニアルモノハ長シ、翅ハ半透明、暗黄色ヲ帶ビ、脈ハ淡黄褐、前縁ノ基部ハ暗褐、平均棍ハ淡黄、腹部ハ黄褐、稍々圓柱形ニシテ次第ニ後方ニ細小ス、各節ノ後縁ハ褐色ニシテ横皺ヲ裝フ、金色毛多シ、尾端ニ黄褐ノ剛刺十數個アリ、脚ハ黄褐、基節ニハ金色ノ長毛ヲ裝ヒ、他節ニハ黑色ノ剛刺ト金色ノ短毛ヲ裝フ、但シ第五跗節ニアル剛毛ハ黄色、雄ニテハ黑色、頭

頂ハ褐色、中央ニ黑色ノ一縦條ヲ具ヘ、兩側及ビ後頭ニ黒毛多シ、顔ハ灰白、口上毛ハ黃白、口下縁ニ灰白ノ長毛ヲ裝フ、小腮鬚ハ黑色、長キ黒毛アリ、觸角ハ黑色、第二節ノ末端及ビ第三節ノ基部ハ黃褐、中胸背ハ暗褐、肩部ハ褐色、中央ニ判然セザル黑色ノ二縦條ヲ具ヘ、兩側ニハ灰色ノ絹様光澤ヲ帶ブ、翅ハ暗色、半透明、脈ハ黒褐、鱗狀瓣ハ灰色、平均棍ハ淡黃色、腹部ハ黑色、少シク灰白粉ヲ裝ヒ、第一節ノ兩側ニ黑色ノ剛毛ヲ具ヘ、第二及ビ第三節ノ兩側ニハ灰白ノ長毛ヲ裝フ、生殖器ノ末端ハ黃褐、黑色ノ長毛ヲ密生ス、脚ハ黑色、基節ニ灰白ノ長毛多ク、他節ニハ黑色ノ剛毛及ビ短毛ヲ具ヘ、腿節ノ上面ニハ少シク灰白ノ長毛ヲ裝フ、吸盤ハ淡黃褐、中間ノ一剛毛ハ黃褐、體長(♂)一寸二分五厘、(♀)一寸二分、開張二寸—二寸一分、此ハ沖繩ニテ黒岩恒氏ノ採集セルモノナルガ稀ナラザルガ如シ、

分布—沖繩、

Microstylum dimorphum n. sp. (Pl. XVIII, Fig. 3, 3a, ♂, ♀).

♀ Dark brown. Proboscis at the apex yellowish brown, maxillary palpi brown, with yellowish hairs. Vertex on the sides with dense testaceous hairs. Antennae dark brown, the first joint beneath and the third at the apex yellowish brown, the first 2 joints with yellowish bristles. Thorax on the sides and scutellum yellowish brown, with short fulvous hairs, those of the sides being longer. Calypteres grayish, with yellowish fringes. Halteres pale yellow. Wings subhyaline, dirty yellowish, veins fulvous, costa at the base fuscous. Abdomen yellowish brown, with short fulvous hairs, cylindrical, narrower towards the apex, the first 5 segments each on the hind margin brownish, hypopygium with many hook-like fulvous spines. Legs fulvous, knees brownish, coxae with dense long yellowish hairs, other joints with black bristles and short fulvous hairs, pulvilli fulvous.

♂ Black, vertex brownish pruinose, in the middle with a longitudinal black bar, face grayish white, mystax pale yellow, maxillary palpi black, with black hairs, cheeks with long grayish hairs, occiput with long black hairs. Thorax fuscous, with 2 indistinct longitudinal black stripes, with black hairs. Wings subhyaline, fuscous, with black veins. Halteres pale yellow. Pleurae grayish pruinose. Abdomen narrower than that of the female, grayish pruinose, with short black hairs. Genital process black, at the apices fulvous, with long black hairs. Legs black, coxae grayish pruinose, with long grayish hairs, the other joints with long black bristles and short hairs, pulvilli yellowish.

Length—♂ 37.5—♀ 36; mm. exp. 66 mm.

Hab.—Okinawa (Riukiu); collected by Mr. M. Kuroiwa.

(344) かはむらひげながあぶ

第十九圖 (4) (♀)

學名 *Ceraturgus Kawamurae* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、頭ハ暗褐、顔ハ金色、金色毛多シ、口吻ハ暗褐、末端ハ黄褐、小腮鬚ハ黒褐、黄褐毛ヲ装フ、觸角長ク、頭、胸ヲ合シタルモノト約同長、六節ヨリ成リ、第三節最長、第五及ビ第六節ハ短毛ヲ密生ス、胸背ノ兩側及ビ中央ノ短カキ三縦條ハ灰黄ニシテ、中央ニアルモノハ細シ、兩側條ヲ延長シタル線上ニ黄色ノ毛列アリ、兩側及ビ後縁ニアル毛ハ淡キ黄褐ニシテ長シ、稜狀部ニ毛少ナシ、胸側ニ黄紋アリ、翅ハ半透明、少シク黄褐ヲ帶ビ、脈ハ褐色、脈ノ周圍ハ多少褐色ヲ帶ブ、平均棍ハ黄褐、頭狀部及ビ柄部ノ基部ハ褐色、腹部ハ細長、各節ノ末縁ハ明ニ縊レ、其部分光澤ヲ有ス、黄毛ヲ装ヒ、第二及ビ第三節ノ兩側ニアルモノハ長シ、各節ノ後縁ニハ多少灰黄粉ヲ装フ、尾端ニハ數個ノ黄褐刺アリ、脚ハ暗褐、基節及ビ腿節ニハ黄白毛ヲ装ヒ、剛毛ハ黄褐、吸盤ハ黄白、

體長七分五厘、開張一寸二分。此ハ本州及ビ九州ニ産スレドモ其數多カラズ、
分布ハ本州(播州)、九州(熊本)。

Ceraturgus Kawamurae n. sp. (Pl. XIX, Fig. 4, ♀)

Black. Head fuscous, face golden yellow, with the concolorous hairs. Proboscis fuscous, with yellowish brown apex, maxillary palpi fuscous, with yellowish brown hairs. Antennae long, nearly as long as the head and thorax taken together, 6 jointed, the third longest, the fifth and sixth with short dense black hairs. Vertex with fulvous hairs. Thorax on the sides and 3 middle stripes at the anterior half, dirty yellow, the middle stripe being narrower, the prolonged parts of the side-strips with a row of yellowish hairs, hairs on the sides and at the hind margin being longer and denser. Scutellum sparsely yellowish pubescent. Wings sublyaline, with a brownish shade, veins fuscous, more or less lined with fuscous; halteres yellowish, the knobs and stems each at the base brownish. Pleurae on the sides yellowish spotted. Abdomen narrow, dirty yellow pruinose, each segment more or less constricted, anteriorly and on the constricted parts some what shining, the second and third segments on the sides with long yellowish hairs; hypopygium with about 7 fulvous spines. Legs fuscous, coxae and femora with pale yellowish hairs, bristles fulvous, pulvilli pale yellowish.

Length—22.5 mm.; exp. 36 mm.

Hab.—Honshu (Harima,.) Kiushu (Kunamoto), collected by Messrs H. Kawamura and S. Hirayama.

(345)

ひげながいしあぶ

第十九圖(5)(♀)

學名 *Myelaphus jozanus* Mats.

昆蟲學上ノ地位 食蟲蛇科

體ハ黑褐、頭ハ光澤アル黑色、口上毛ハ黄色、小腮鬚ニ灰白毛ヲ裝ヒ、頭頂ニハ黄褐毛アリ、觸角

ノ側扁、頭胸ヨリモ少シク短カク、黑色、五節ヨリ成リ、第三節最長、第三及ビ第四節ノ末端ハ延長シ、第四節ニテハ二分ス、第五節ノ背部ハ少シク刳ラル、口吻ハ黒褐、灰白毛ヲ装フ、胸背ハ圓ク隆起シ、暗黄毛ヲ密生ス、平均棍ハ大ニシテ鎌狀ヲ呈シ、黄褐、翅ハ半透明、灰色ヲ帶ビ、前縁及ビ中央ハ黄褐ヲ帶ブ、脈ハ暗褐、腹部ハ光澤ヲ帶ビ、各節ノ後縁ニ近ク暗黄ノ短毛多シ、腹面ハ少シク淡色、灰白毛多シ、脚黒褐、黄白毛多シ、脛節基部ノ三分ノ一乃至二分ノ一ハ淡黄褐、吸盤ハ淡黄、爪ノ基部ハ黄色、體長五分、開張一寸、此ハ七月中旬札幌地方ニ捕獲シ得ベシト雖ドモ餘リ多カラズ、

分布—北海道(札幌)。

Myelaphus jozanus n. sp. (Pl. XIX, Fig. 5, ♀).

Dark fuscous. Head shining black, vertex with fulvous hairs, mystax testaceous. Proboscis and palpi fuscous, with grayish hairs. Antennae long, somewhat shorter than the head and thorax taken together, the third and fourth joints each at the apex with a prolonged appendage, that of the fourth being divided into 2 equal lobes. Thorax vaulted, with dense testaceous hairs. Wings subhyaline, with a grayish tinge, costal, basal and the middle part brownish infuscated, veins fuscous. Halteres large and somewhat sickle-shaped, yellowish brown. Abdomen shining, each segment near the hind margin with yellowish hairs; venter somewhat paler, with grayish hairs. Legs fuscous, with pale yellowish hairs, tibiae each at the base testaceous, pulvilli pale yellow, claws at the bases yellowish.

Length—16 mm.; exp. 30 mm.

Hab.—Hokkaido (Sapporo); collected by the author, quite rare.

(346) しろいしあぶ

第十九圖 (6) (♀)

學名 *Dicolonus argentatus* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ暗褐、灰色粉ヲ密布シ、白毛ヲ密生ス、光線ノ工合ニヨリ銀色ヲ現ハス、頭ハ灰白、顔及ビ頬ニ銀色ノ長毛ヲ密生ス、口吻ハ黑褐、末端ハ黃褐、觸角ハ灰色、第一節ノ基部ハ黑褐、胸背ノ兩側ニハ各三本ノ黃白ノ剛毛アリ、翅ハ透明、少シク灰白ヲ帶ビ、脈ハ褐色、第一脈ハ暗色、鱗狀瓣及ビ平均棍ハ暗黃、腹部ハ頭胸ヨリモ遙ニ長ク、圓錐形ヲナシテ細小ス、兩側及ビ各節ノ後縁ニアル毛ハ長シ、腹面ニモ同色ノ長毛ヲ裝フ、脚ハ體ト同色、灰白ノ剛毛及ビ軟毛ヲ裝フ、吸盤ハ暗黃、體長四分、開張七分、此ハ九州、四日市地方ニ稀ナラズ、分布—九州(二日市、熊本)。

Dicolonus argentatus n. sp. (Pl. XIX, Fig. 9, ♀).

Fuscous, grayish pruinose, with grayish white hairs, in a certain light reflexing a silvery luster. Head grayish white, face and cheeks with long silvery white hairs; proboscis black, at the apex testaceous. Antennae grayish, the first joint at the base fuscous. Thorax on each side with 3 pale yellowish macrochaetae. Wings hyaline, with a pale grayish shade, veins brown, the first longitudinal vein being fuscous. Calypteres and halteres dirty yellow. Abdomen much longer than the head and thorax taken together, with dense whitish hairs, those of the sides and the hind margin of each segment being longer; venter also with long whitish hairs. Legs concolorous with the body, with whitish hairs and bristles.

Length—12 mm.; exp. 21 mm.

Hab.—Kiushu (Futsukaichi, Kumamoto).

(347) はたけやまひげぼそあぶ

第十九圖 (7) (♂)

學名 *Pycnopogon Hatakeyamae* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑褐、黑褐及ビ暗黄ノ長毛ヲ密生ス、頭ニアル長毛ハ暗黄ニシテ複眼ノ後方ニアルモノハ基半部ニテ暗色ヲ帶ブ、顔ニハ黑毛ヲ混生ス、觸角ハ細ク、暗褐、第二節ノ末端及ビ第三節ノ基部ハ少シク淡褐、口吻ハ黑褐ニシテ短ク、胸背ニアル長毛ハ多ク黑褐ナレドモ、稜狀部及ビ其兩側ニアルモノハ暗黄ナリ、翅細小、半透明、翅底ノ半部ハ稍々透明、脈ハ暗褐、中室ノ周圍ハ多少暗褐ヲ帶ブ、平均棍ハ黄褐、腹背ニアル長毛ハ多ク暗黄、腹面ニアルモノハ黑褐、腹面ノ中央ニハ黄毛アリ、脚ハ黑褐、暗黄及ビ黑褐ノ長毛ヲ裝ヒ、腿節ニアルモノハ多ク黑褐、後脛節及ビ跗節ノ下面ニアル毛ハ金色ナリ、爪ノ基部及ビ吸盤ハ暗黄、體長四分五厘、開張九分、此ハ越後ニテ畠山久重氏ノ採集セルモノナリ、稀ナルガ如シ、

分布—本州(越後)。

Pycnopogon Hatakeyamae n. sp. (Pl. XIX, Fig. 7, ♂).

Dark fuscous, with dense long fuscous and dirty yellowish hairs. Hairs of the head mostly dirty yellow, those of the tibiae and vertex being fuscous at the bases, face mingling a few fuscous hairs. Proboscis and antennae fuscous, the latter being

short and robust, at the apex of the second joint and at the base of the third paler. Hairs of the thorax mostly fuscous, those of the scutellum and on its sides dirty yellow. Wings subhyaline, at the basal half nearly hyaline, veins fuscous, discoidal cell more or less lined with fuscous. Halteres testaceous. Hairs of the dorsum mostly dirty yellow, those of the venter being fuscous, the latter in the middle mingling some yellowish hairs, hairs of the legs dirty yellow and fuscous, those of the femora mostly fuscous and denser, tibiae and tarsi beneath with long golden hairs, claws black, the latter at the bases and pulvilli dirty yellow.

Length—13.5 mm.; exp. 27 mm.

Hab.—Honshu (Echigo); collected by Mr. H. Hatakeyama.

(348)

つまぐろひげぼそあぶ

第十九圖 (8)

(♂)

學名 *Pycnopogon apicalis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黒褐、頭ニハ灰白粉ヲ装ヒ、頭頂ニハ黒毛密生ス、顔ニハ白色ノ長毛多ク、黒毛ヲ混生ス、口吻ハ光澤アル黒色ニシテ短カシ、觸角ハ細長ニシテ暗褐、角片ノ末端節ハ黄褐、頬ニハ灰白毛多ク、複眼ノ後縁ニ接シ上頬ニ暗褐ノ毛束アリ、胸背ハ卵形ニシテ少シク突起シ、灰白紋ヲ散在シ、中央ニハ二個、兩側ニハ各四個アリ、中央ニ灰白ノ細キ一線ヲ縦走スレドモ短カクシテ中央ニ達セズ、黒色ノ長毛多シ、翅ハ透明、脈ハ暗褐、翅端ハ暗褐、中央ノ横脈ノ周圍モ亦多少暗褐ヲ帶ブ、鱗狀瓣ハ灰黄、平均棍ハ黄褐、腹部ハ細長、灰白毛多ク、第二、第三及ビ第四節ノ後縁ニ灰白粉ヲ装ヒ、第二及ビ第三節ニハ黄白毛ヲ混ジ、第四節ニハ黒毛ヲ混ズ、第五節以下ニアル毛ハ全部黄色、雄ノ抱握器ハ稍々球形ヲ呈シ、刺狀突起多シ、脚ハ黒色、灰白及ビ黒色毛ヲ装ヒ、腿節ニアル灰白毛ノ

基部ハ黄色、脛節ニアル毛ハ大部黑色、吸盤及ビ爪ハ暗黄、後者ノ末端ハ黒褐、體長三分六厘、開張五分五厘、此ハ播州地方ニ稀ナラス、分布—本州、九州、

Pycnopogon apicalis Mats. (Pl. XIX, Fig. 8, ♂).

Fuscous. Head grayish pruinose, vertex with long black hairs, face whitish pubescent, mingling a few black hairs, proboscis short and shining black. Antennae narrow and long, fuscous, stylus with a small paler terminal joint. Cheeks with long grayish hairs, tempora with a long bundle of fuscous hairs. Thorax oval, somewhat vaulted, with about 10 grayish spots, of which 2 are in the disk and 4 on each side, a narrow short grayish stripe in the middle, which not reaching to the middle of the thorax, with long black hairs. Wings hyaline, at the apices black, in the middle along the middle cross-vein somewhat infuscated, veins fuscous. Calypteres dirty yellow, halteres yellowish brown. Abdomen narrow, with grayish white hairs, the second, third and fourth segments each on the hind margin grayish pruinose, the second and third in the disk mingling some pale yellowish hairs, the fourth in the disk with black hairs, the following segments wholly black. Hypopygium round, with many spinous projections. Legs black, with grayish and black hairs, those of the femora at the base yellowish, those of the tibiae mostly black; pulvilli and claws dirty yellow, the latter at the apices black.

Length—10.8 mm.; exp. 16.5 mm.

Hab—Honshu and Kinshu (not rare).

(349) にゃくわうひげぼそあぶ

學名 *Pycnopogon nikkoensis* Mats.

昆蟲學上ノ地位 食蟲虻科

第十九圖(9) (♀)

體ハ黑色、頭頂ニハ黑色ノ長毛多シ、顔ハ灰白、同色ノ長毛多シ、觸角ハ暗褐、角片ノ末端節ハ微小ニシテ黄褐、頰ニハ灰白毛多ク、複眼ノ後縁ニ沿ヒ黒毛ヲ混ズ、胸背ハ卵形、肩部及ビ胸側ニ灰色粉ヲ装ヒ、黒毛ヲ粗生シ、兩側ニハ同色ノ剛毛アリ、翅ハ透明、少シク灰色ヲ帶ビ、中央ノ横脈ノ近邊ハ褐色ヲ帶ブ、脈ハ暗褐、鱗狀瓣ハ暗黄、平均棍ハ橙黄色、腹部ハ細長、光澤ヲ帶ビ、灰白毛多ク、第二乃至第五節ノ後縁ハ灰白粉ヲ装ヒ、尾端ニハ赤褐ノ棘狀突起ヲ列ヌ、脚ハ黑色、黄白ノ長毛多ク、跗節ニハ黒毛多シ、吸盤及ビ爪ハ暗黄、後者ノ末端ハ黑色、體長四分五厘、開張八分、此ハ日光ニ採集セルモノナルガ稀ナラザルガ如シ、
分布—本州(日光)。

Pycnopogon nikkoensis n. sp. (Pl. XIX, Fig. 9, ♀).

Black. Vertex with long black hairs. Face grayish white, with the concolorous long hairs, on the cheeks mingling some black hairs, antennae fuscous, stylus at the apex fulvous. Humeri and pleurae grayish pruinose, with sparse black hairs. Wings hyaline, with a light grayish shade, the middle cross-vein and its environs brownish; veins fuscous. Calypteres dirty yellow, halteres orange-yellow. Abdomen long and narrow, shining, with grayish white hairs, the 2nd to 5th segments on each hind margin grayish white pruinose, at the apex with a row of reddish brown spines. Legs black, with long pale yellowish hairs, tarsi densely covered with black hairs, pulvilli and claws dirty yellow, the latter at the apices black.

Length—13.5 mm.; exp. 24 mm.

Hab.—Honsu (Nikko); collected by the author.

(350) ほそあしながむしひき

第十九圖 (10) (♀)

學名 *Clinopogon Sauteri* Bez.

昆蟲學上ノ地位 食蟲虻科

體ハ暗褐、頭頂ハ褐色、額ハ灰黄、口上毛ハ二本ニシテ黄色ナリ、口吻ハ光澤アル黒褐、末端ニ黄褐ノ短毛ヲ装フ、觸角ハ暗黄、第三節ハ長橢圓形ニシテ、初メノ二節ヲ合セタルモノト約同長、第二節ニ黄色ノ一剛毛ヲ装フ、胸背ハ卵形、少シク綠色ヲ帶ブ、黑色ノ短毛ヲ粗生スレドモ判然セズ、翅ハ透明、黄褐ヲ帶ビ、前縁及ビ翅底ノ半部ハ濃色、脈ハ黄褐、平均棍ハ暗黄、褐紋ヲ装フ、腹部ハ細長、初メノ二節ハ細ク、第一節ノ後縁、第二節ノ前縁ニアル瘤狀突起及ビ第三並ニ第四節ノ兩側ハ褐色、第五節ヨリ尾端迄黄褐、脚ハ黄褐、短毛及ビ剛毛ハ黄色、跗節ノ上面ニハ黄褐ノ短毛多ク、末端節ハ暗褐、爪ハ黑色、其基部及ビ吸盤ハ黄色、體長五分五厘、開張八分、此ハ臺灣恒春地方ニ稀ナラズ、分布—臺灣(恒春)。

(351) なかのほそむしひき

第十九圖 (11) (♀)

學名 *Dioctria nakanensis* Mats

昆蟲學上ノ地位 食蟲虻科

體ハ光線アル黒褐、額ハ銀白色、口上毛ハ二本ニシテ黃白、觸角砧ハ黑色、觸角ハ黒褐、角片ハ第三節ノ約半長アリテ太ク、其下方ニ前方ニ向ヘル一刺ヲ出ス、口吻ハ黒褐、末端ハ黃褐、小腮鬚ニ黃褐毛ヲ裝フ、胸背ハ稍々球形、灰色ノ三縦條ヲ具ヘ、兩側ニアルモノハ前端ニテ三角形ニ増幅ス、暗黄ノ短毛多シ、翅ハ半透明、黄褐ヲ帶ビ、脈ハ黃褐、平均棍ハ淡黃褐、腹部ハ細長、側面ヨリ見ルトキハ末端ニテ棍棒狀ヲナス、第三節ノ基部ノ兩側紋、第四節ノ前緣廣ク及ビ後緣狭ク並ニ第五節ノ前緣狭クハ淡黃褐、暗黄ノ短毛多シ、脚ハ淡黃褐、後腿節及ビ同腿節ハ暗褐、同跗節ハ褐色、暗黄毛多シ、爪及ビ吸盤ハ黄色、前者ノ末端ハ褐色、體長三分五厘、開張六分、此ハ東京地方ニ普通ナリ、

分布—本州、九州、

Dioctria nakanensis Mats. (Pl. XIX, Fig. 11, ♀).

Dark fuscous, shining. Face silvery white, mystax of pale yellowish color. Antennal-process shining black, antennae fuscous, styli broad and about one-half the length of the third joint, beneath near the base with a small spinous projection, which being turned towards the apex. Proboscis fuscous, at the apex yellowish brown, palpi with testaceous hairs. Thorax nearly round, with three grayish stripes, those of the sides being enlarged triangularly at the anterior ends, with short dirty yellow hairs. Wings subhyaline, yellowish brown, with the concolorous veins. Halteres testaceous. Abdomen narrow, seen from side clavate at the apex, the third segment at the base on each side, the fourth at the base (broadly) and at the hind (narrowly), as well as the anterior margin (narrowly) of the fifth, testaceous, with short dirty yellow hairs. Legs testaceous, the hind femora each in the middle and the same tibiae fuscous, the same tarsi brownish, with dirty yellow hairs and bristles. Pulvilli and claws yellowish, the latter at the apices being brown.

Length—10.5 mm.; exp. 18 mm.

Hab.—Honshu, Kiushu; very common in Nakano near Tokyo.

(352) からふこいしあぶ

第十九圖 (12) (♀)

學名 *Laphria karafutonis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ光澤アル黑色、顔ハ灰色ヲ帶ビ、黄色ノ長毛ヲ密生ス、口上毛及ビ頬毛ハ大部黑色、觸角ハ暗褐、第三節ハ初メノ二節ヲ合シタルモノヨリ少シク長シ、口吻太ク、末端ニ橙黄ノ短毛ヲ裝ヒ、基部ニハ黄色及ビ黑色ノ長毛ヲ混生ス、胸背ニハ黄毛ヲ密生シ、兩側ニ黒毛ヲ粗生ス、稜狀部ノ毛ハ長シ、翅ハ半透明、黄褐ヲ帶ビ、脈ハ前縁ノ二脈ヲ除キ褐色ナリ、脈ノ兩側ハ褐色ニテ縁取ラル、鱗狀瓣及ビ平均棍ハ褐色、腹部ハ初メノ三節ニテ毛少ナク、中央ニハ黑色ノ短毛ヲ粗生シ、兩側ニハ黄毛ヲ混生ス、第三節ノ後縁並ニ以下ノ各節ニハ黄色ノ長毛多シ、中央ニアルモノハ少シク褐色ヲ帶ブ、腹面ニハ黒毛多ク、黄白毛ヲ混生ス、脚ハ黒褐、黄色、黄褐及ビ黑色毛ヲ混生シ、腿節ノ兩側ニアルモノハ大部黑色、後脛節ノ上面ニアルモノハ大部淡黄褐、爪ハ暗褐、基部ハ黄褐、吸盤ハ暗黄、體長七分、開張一寸四分、此ハ樺太ニ稀ナラズ、分布—樺太清水、大谷、

Laphria karafutonis n. sp. (Pl. XIX, Fig. 12, ♀).

Shining black. Face grayish, with long yellowish hairs, vertex and occiput with black hairs, the latter mingling some

yellowish hairs, mystax and hairs of the cheeks mostly black. Proboscis robust, broader towards the apex; at the apex with short fulvous hairs, at the base with long yellowish and black hairs. Antennae fuscous, the third joint somewhat longer than the first and second taken together. Thorax with long yellowish hairs, on the sides mingling some black hairs, hairs of the scutellum much longer than those of the thorax. Wings subhyaline, with a shade of yellowish brown, veins except the costal two fuscous, on each side being lined with fuscous. Calypteres and halteres brownish. Abdomen oval, broad, the first 3 segments with sparse short black hairs, on the sides mingling some yellowish hairs, the hind margin of the third and the following segments with long dense yellowish hairs, those of the disk somewhat deeper in color; venter with black hairs, mingling a few pale yellowish hairs. Legs dark fuscous, with yellowish, fulvous and black hairs, side-hairs of the femora black and under-hairs of the hind tibiae fulvous. Claws fuscous, at the bases testaceous, pulvilli dirty yellow.

Length—21 mm.; exp. 4.2 mm.

Hab.—Saghalien (Shimizu and Otsu); not rare.

(353)

はまいしあぶ

第十九圖 (13) (♀)

學名 *Laphria hakiensis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黒褐、顔ハ灰色ヲ帶ビ、黄色、黄褐及ビ黒毛ヲ混生ス、口上毛ハ大部黒色、口吻ハ長ク、末端ハ太ク、黄褐ノ短毛ヲ裝ヒ、基部ニハ黒毛多シ、小腮鬚、咽喉及ビ頬ニ黒色ノ長毛ヲ簇生ス、觸角ハ黒褐、第二及ビ第三節ニハ灰色粉ヲ裝フ、胸背ニハ金色毛ヲ密生シ、後縁及ビ稜狀部ニアル長毛ノ末端ハ黄白、翅ハ半透明、黄褐ヲ帶ビ、脈ハ褐色、脈ノ兩側ハ多少褐色ニテ縁取ラル、鱗狀瓣及ビ平均棍ハ褐色、後者ノ基部ハ黄褐、腹部ハ卵形、金色毛多ク、末端ハ多少黄白ヲ帶ブ、中央部ニ

毛少ナク、第三節以下ハ光澤ヲ帯ビ、毛少ナク、黒色ノ短毛ヲ裝ヒ、第六節ニハ少シク黄白ノ長毛ヲ混生ス、腹面ニハ黒毛多シ、脚ハ黒色、黒毛及ビ黄褐毛多ク、腿節及ビ脛節ノ上面ニアルモノハ多ク黄褐ナリ、爪ハ黒褐、基部ハ少シク淡色、吸盤ハ黄褐、體長八分、開張一寸七分、此ハ九州熊本地方ニ稀ナラズ、分布—九州熊本、

Laphria hakiensis n. sp. (Pl. XIX, Fig. 13, ♀).

Dark fuscous. Face grayish, with long yellowish, fulvous and black hairs, hairs of the mystax, palpi, gula, cheeks and tempora, black. Proboscis long, robust, at the apex, with short golden hairs, at the base with black hairs. Antennae fuscous, the 2nd and 3rd joints grayish pruinose. Thorax with dense golden hairs, those of the hind margin and scutellum at the apex pale yellowish. Wings subhyaline, with a yellowish brown shade, veins brownish, on the sides being lined with brown. Calypteres and halteres brown, the latter at the stems paler. Abdomen oval, with dense golden hairs, some of them being tipped with pale yellowish, in the middle of each segment hairs being somewhat sparser, the sixth and following segments shining, sparsely black pubescent, the sixth on the sides mingling a few long pale yellowish hairs; venter densely black pubescent. Legs black, with black and yellowish brown hairs, those of the femora and tibiae on the upper sides being yellowish brown. Claws fuscous, somewhat paler at the bases, pulvilli yellowish brown.

Length—24 mm.; exp. 51 mm.

Hab.—Kiushu (Haki near Kumamoto); collected by the author.

(354)

くろいしあぶ

學名 *Laphria dispar* Coq.

第十九圖 (14) (♂)

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、顔ニハ黄色ノ長毛ヲ密生シ、頭頂ニハ黒毛ヲ裝フ、口吻ハ頭ヨリモ遙ニ長ク、末端節ハ黄褐、末端及ビ基部ニ黄毛アリ、小腮鬚ニハ黒毛ヲ裝フ、觸角ハ黑色、第一節ニハ黄褐毛ト黒毛ヲ混ズ、胸背ハ光澤アル黑色、黒毛ヲ具へ、肩部ニハ褐色粉ヲ裝ヒ、暗黄ノ短毛ヲ混ズ、翅ハ半透明、黄褐ヲ帶ビ、脈ハ褐色、平均棍ハ褐色、腹部ハ光澤アル黑色、黒毛ヲ裝ヒ、終リノ三節ニハ金色ノ長毛ヲ密生ス、雄ノ生殖器ハ側面ヨリ見ルトキハ栗形ヲ呈シ、黄褐ノ長毛ヲ裝フ、脚ハ黑色、腿節ニ黒毛ヲ具へ、脛節及ビ跗節ニ金色ノ長毛ヲ密生ス、體長六分—七分、此ハ東京地方ニ普通ナリ、分布—本州、四國、九州、

(355) たいわんいしあぶ

第十九圖 (15) (♀)

學名 *Laphria formosana* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ雌黑色、顔及ビ頬ニハ黄色ノ長毛ヲ密生シ、口上毛及ビ頭頂毛黑色ナリ、口吻ノ末端ハ截斷狀ヲナシ、黄褐ノ短毛ヲ裝ヒ、基部ニ黄毛及ビ黒毛ヲ混生ス、觸角ハ黒褐、第一節ニハ黄毛ト黒毛ヲ混生ス、胸背ニハ黄毛ヲ密生シ、前半ニアルモノハ淡黄褐ニシテ短カク、之レニ暗褐毛ヲ混ズ、稜狀部ニハ黑色ノ短毛ヲ具へ、後縁ニハ上向セル黄色ノ長毛ヲ裝フ、翅ハ透明、脈及ビ其兩側ハ褐色、前縁及ビ翅底ハ黄色、平均棍ハ褐色、腹部ハ褐色、金色ノ長毛ヲ具へ、第四節以下ノ各節ニテハ長

クシテ密ナリ、兩側ニハ黄毛ヲ装フ、初メノ三節ノ前縁ニハ褐色ノ短毛ヲ混ジ、尾端ニハ黒毛及ビ黄毛ヲ粗生ス、腹面ニハ黒毛多シ、脚ハ黒色、黄褐ノ長毛ヲ密生シ、前腿節ニハ黄毛ヲ装フ、體長(♀)七分、開張一分四厘、此ハ臺灣埔里社ニテ捕獲セルモノナルガ稀ナルガ如シ、分布—臺灣埔里社。

Laphria formosana n. sp. (Pl. XIX, Fig. 15, ♀).

Black. Face and cheeks with long yellowish hairs, mystax and hairs of the vertex black. Proboscis robust, long, with short fulvous hairs, at the base with yellow and black hairs. Antennae dark brown, the first joint with black and fulvous hairs. Thorax with dense yellowish hairs, at the anterior half with shorter pale yellowish hairs, mingling a few long fuscous hairs. Scutellum with short sparse black hairs, at the posterior margin with long erect yellowish hairs. Wings hyaline, veins and their linings brownish, costa and base yellowish. Halteres brownish. Abdomen brown, with fuscous hairs, the first 3 segments each at the anterior margin with a few fuscous hairs, the remaining segments with long dense hairs, those on the sides being yellowish, the last segment with a few long fulvous and black hairs. Legs black, with fulvous hairs, those on the anterior femora being pale yellowish.

Length—21 mm.; exp. 4, 2mm.

Hab.—Formosa (Horisha); quite rare.

(356)

たいびんいしあぶ

第十九圖 (♂)

學名 *Laphria taipinensis* Mats.

昆蟲學上ノ地位 食蟲虻科

くろいしあぶ (354) に酷似スレドモ其異ナル要點ハ左ノ如シ、

一、雄體遙ニ小ナルコト、體長五分内外、開張八分、

二、顔及ビ口吻ノ基部ニアル毛ハ黄色、灰白及ビ黑色ノ三種ニシテ遙ニ粗ナリ、

三、第三翅脈ノ分又セル基部ニ短カキ附屬脈ヲ有スルコト、

四、胸背ハ光澤ヲ缺キ、黒毛ハ一層密ナルコト、

此ハ臺灣北埔ノ蕃界大坪ニテ捕獲セシモノナルガ稀ナルガ如シ、

分布—臺灣北埔、

Laphria taipinensis n. sp. (Pl. XIX, Fig. 16, ♂).

Much resembles to *L. dispar* Coq., but differs from the latter as follows:

- 1. Size much smaller.
- 2. Face and base of the proboscis with yellow, gray and black hairs, and being much sparser.
- 3. Anterior branch of the third longitudinal vein at the base with a very short appendage.
- 4. Thorax not shining, with denser black hairs.

Length—15 mm.; exp. 24 mm.

Hab.—Formosa (Taipin near Hoppo); rare.

(357)

をたねかはいしあぶ

第十九圖 (1) (♀)

學名 *Laphria otanegawana* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、頭ニハ灰白粉ヲ裝ヒ、黒毛ヲ具ヘ、頭頂及ビ頬ニハ灰白ノ細長毛ヲ裝フ、口吻ハ末端ニテ尖小シ、之レニ黄褐ノ短毛ヲ裝フ、觸角ノ第三節ハ太ク、稍々紡錘狀ヲ呈ス、胸背ニハ灰白ノ細キ三縦條ヲ具ヘ、尙肩部及ビ兩側ニモ灰白粉ヲ裝フ、黒毛ヲ粗生シ、前縁、兩側及ビ後縁ニ少シク灰白毛ヲ混ズ、翅ハ稍々透明、少シク灰色ヲ帶ビ、脈及ビ其兩側ハ褐色、平均棍ハ暗褐、腹部ハ光澤ヲ帶ビ、黑色ノ短毛ヲ粗生シ、兩側ニ灰白毛アリ、第二節乃至第四節ノ後縁ノ兩側ニ灰白紋ヲ裝フ、脚ハ黑色、白毛ヲ裝ヒ、黑色ノ短毛ヲ混ズ、脛節及ビ跗節ニハ黑色ノ長毛アリ、吸盤ハ暗黄、體長四分五厘、開張八分、此ハ札幌地方ニ稀ナラズ、分布—北海道(札幌)。

Laphria otanegawana n. sp.

Black. Head grayish pruinose, with black hairs, vertex and cheeks with long slender grayish white hairs. Proboscis slender, pointed at the tip, with short fulvous hairs. Antennae black, the third joint large and spindle-shaped. Thorax with 3 slender grayish white pruinose stripes, humeri and sides also grayish pruinose, with sparse black hairs, on the sides and both margins with few whitish hairs. Wings subhyaline, grayish, veins and their linings brownish. Halteres dark brown. Abdomen shining, with sparse short black hairs, on the sides with whitish hairs, the 2nd to 4th segments on each side at the hind margin with a whitish pruinose spot. Legs black, with whitish hairs, mingling some short black hairs, tibiae and tarsi being provided with a few long black hairs, pulvilli dirty yellow.

Length—13.5 mm.; exp. 24 mm.

Hab.—Hokkaido (Sapporo); not rare.

(358) こむらいしあぶ

第二十圖 (2) (♀)

學名 *Laphria Komurae* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、頭ニハ黒毛多ク、褐色粉ヲ装フ、顔ノ兩側ハ銀白ニシテ之レニ白色ノ短毛ヲ装フ、口吻ハ長ク、基部ハ肥大シ、之レニ灰白毛ヲ具ヘ、末端ハ太ク截斷狀ニ終リ、之レニ黄褐ノ微毛ヲ装フ、頬ニハ白毛多ク、上頬及ビ後頭ニハ黒毛多シ、觸角ハ黑色、第三節ハ長ク、薙刀形ヲナス、胸背及ビ稜狀部ニ黄白ノ短毛多ク、黒毛ヲ粗生ス、翅ハ半透明、少シク黄褐ヲ帶ビ、脈ハ褐色ナリ、平均棍ハ黄褐、柄部ノ基半部ハ褐色、腹部ハ光澤ヲ帶ビ、胸部ヨリハ遙ニ廣シ、黑色ノ短毛ヲ粗生シ、兩側ニアルモノハ白色ニシテ少シク長シ、腹面ニハ灰白ノ長毛ヲ装フ、脚ハ黑色、黒毛ヲ具ヘ、基節、轉節及ビ腿節ノ基部ニ灰白毛ヲ装フ、體長四分、開張八分、此ハ樺太ニテ農學士香村岱二氏ノ採集セルモノナリ、分布一樺太(九春内)、

(359) せきいしあぶ

第二十圖 (3) (♀)

學名 *Laphria flavidorsum* Mats.

昆蟲學上ノ地位 食蟲虻科

前種 (358) こむらいしあぶニ酷似スレドモ其異ナル所ハ左ノ如シ、

- 一、形ノ遙ニ大ナルコト、體長五分一開張一寸一分、
 - 二、顔ノ兩側ハ金色ニシテ、金色毛ヲ装フ、
 - 三、胸背及ビ稜狀部ノ毛ハ金色ヲ呈シ、一層密ナリ、
 - 四、腹部ノ兩側ハ平行シ、初メノ三節ニ金色毛ヲ装ヒ、其兩側ニアルモノハ長シ、第四節以下ニハ黒毛アリ、兩側及ビ腹面ニハ黄色毛ヲ粗生ス、
 - 五、脚ハ黒色、脛節及ビ跗節ハ暗褐、黒色及ビ灰白毛ヲ混生シ、殊ニ脛節ノ下面ニ白毛多シ、此ハ札幌地方ニ普通ナリ、
- 分布—北海道(札幌)

Laphria flavidorsum. n. sp. (Pl. XX, Fig. 3, ♀).

Much resembles to *L. Komurae* Mats. but differs from the latter as follows :

Body much larger. Face on the sides golden yellow, with the concolorous hairs. Thorax and scutellum with golden hairs, being much denser than in *Komurae*. Abdomen on the sides parallel, the first 3 segments with golden hairs, those of the sides being longer, the following segments except the sides with black hairs, venter with sparse yellowish hairs.

Length—15 mm.; exp. 33 mm.

Hab.—Hokkaido (Sapporo); not uncommon.

(360) くろはねいしあぶ

第二十圖 (4) (♂)

學名 *Laphria Blunnei* Wulp.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、頭頂ニハ黒毛ヲ具ヘ、前頭ノ兩側ニハ黄毛アリ、顔ニ短カキ黄毛ト長キ黒毛ヲ具ヘ、頬及ビ口吻ニ灰白毛ヲ密生ス、口吻ハ頭ヨリモ長ク、光澤ヲ帶ビ、小腮鬚ニハ長黒毛ヲ裝フ、觸角ハ黒褐、肩部ニハ灰色粉ヲ裝ヒ、胸背ニハ黒毛多ク、中央ニ判然セザルニ灰色條アリ、翅ハ暗色、半透明、翅底ノ後縁ハ淡色、平均棍ハ褐色、腹部ハ黑色、初メノ二節ニ金色毛ヲ密生シ、第三及ビ第四節ノ後縁兩側ニ金色ノ毛紋アリ、他ニハ黑色ノ短毛多シ、雄ノ生殖器ハ黑色ニシテ側面ヨリ見ルトキハ栗形ヲ呈ス、上板ノ中央ハ褐色、下板ニハ横皺多ク、末端ニ黄褐ノ短毛ヲ裝フ、脚ニハ黄毛及ビ黒毛ヲ具ヘ、後脛節ニアルモノハ大部黑色ナリ、體長四分五厘、開張七分、此ハ臺灣北埔ニテ捕獲セルモノナルガ稀ナルガ如シ、
分布—臺灣(北埔、埔里社)、

(361) るりいしあぶ

第二十圖 (5) (♂)

學名 *Laphria azurea* Herm.

昆蟲學上ノ地位 食蟲虻科

體ハ黒藍色、顔ニハ金色ノ長毛ヲ簇生シ、其内二本ノ直立セル黒毛アリ、口上毛ハ黒色 其内二本ハ殊ニ長シ、口吻ハ長ク、其基部及ビ頬ニ灰白ノ長毛ヲ裝フ、觸角ハ黒褐、中胸ノ後縁及ビ後縁角ハ褐色、翅ハ暗色、各室ノ中央ハ少シク淡色、半透明、脈ハ黒色、腹部ニハ黒毛ヲ具ヘ、兩側ニハ灰白毛ヲ裝フ、雄ノ生殖器下板ノ末端ハ細ク延長シ、之レニ短カキ褐毛ヲ裝フ、脚ニハ白毛多ク、少シク黒毛ヲ混ズ、何レノ腿節モ太ク、後腿節ハ少シク弓曲ス、體長六分、開張一分、余ハ之レヲ臺灣魚池ニテ捕獲セリ、
分布—臺灣魚池、埔里社、

(362) をがさはらいしあぶ

第二十圖 (6) (♂)

學名 *Laphria ogasawarensis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黒色、顔ニハ金色毛ヲ密生シ、中央ニアル直立セル剛毛及ビ口上毛ハ黒色、口吻ノ基部及ビ頬ニアル毛ハ灰白、觸角ハ黒褐、第二及ビ第三節ノ基部ハ黃褐、肩部及ビ横皺ニ灰黃粉ヲ具ヘ、胸背ノ中央ニ二條ノ灰色條アレドモ判然セズ、黒毛多ク、兩側及ビ後縁ニハ黃褐毛ヲ具ヘ、黃褐粉ヲ裝フ、稜狀部ニハ短カキ黃褐毛ヲ具ヘ、後縁ニハ長キ黒毛ヲ裝フ、翅ハ暗色、半透明、翅底ハ半透明ニシテ少シク黃白ヲ帶ズ、平均棍ハ暗褐、柄部ハ黄色、腹部ハ弓狀ニ彎曲シ、絹様ノ光澤アル黃褐毛ヲ密生ス、中央ニ毛少ナキヲ以テ一背線ヲ有スルガ如シ、尾節ニハ黒毛ヲ具ヘ、上面ニ少シク黃

褐ノ短毛ヲ混ズ、雄ノ生殖器下板ノ末端ハ少シク上方ニ曲リ、之レニ黄褐ノ短毛ヲ裝フ、腹面ニハ暗黄毛ヲ粗生ス、脚ハ黑色、黒毛及ビ暗黄毛ヲ裝ヒ、前基節間ニハ黄白毛アリ、體長四分五厘、開張七分、此ハ小笠原島ニテ捕獲セルモノナルガ稀ナルガ如シ、分布—小笠原島父島。

Laphria ogasawarensis n. sp. (Pl. XX, Fig. 6, ♂).

♂ Black. Face with dense golden yellowish hairs, in the middle mingling some erect long black hairs, the mystax also black. Proboscis at the base and cheeks with grayish white hairs. Antennae dark fuscous, the 2nd and 3rd joints each at the base testaceous. Humerus and suture grayish yellow pruinose, thorax with black hairs, in the middle with two indistinct grayish stripes, sides and hind margin fulvous pruinose, with the concolorous hairs; scutellum with short fulvous hairs, at the hind margin with long black hairs. Wings fuscous, at the base hyaline, with a yellowish shade. Halteres fuscous, the stems yellowish. Abdomen in the male much curved downwardly, with dense silky fulvous hairs, in the middle hairs being few, so that an indistinct fuscous stripe is visible; hypopygium black, with black hairs, above mingling a few fulvous hairs, the lower genital plate of the male at the apex somewhat curving upwardly and with short fulvous hairs; venter with a few dirty yellow hairs. Legs black, with black and dirty yellow hairs, the anterior coxae being provided with pale yellowish hairs; pulvilli dirty yellow.

Length—13.5 mm. exp. 21 mm.

Hab.—Bonin Island; quite rare.

(363)

オガサワレ

第二十圖 (7) (♂)

學名 *Laphria yamatonis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑褐、顔ニハ白毛ヲ装ヒ、口上毛ハ黑色ニシテ長ク、黄毛ヲ混ズ、口吻ノ基部ニ白毛ヲ具ヘ、末端ニハ黄褐ノ短毛アリ、小腮鬚ニハ黄毛ヲ装フ、頭頂ニハ淡黄褐毛多シ、觸角ハ黑褐、初メノ二節ニ黑毛アリ、頰ニ白毛及ビ黄毛ヲ具ヘ、後頭ニハ黑褐毛アリ、胸背ニハ金色毛多ク、後縁ニハ白毛ヲ装フ、翅ハ半透明、暗色ヲ帯ビ、前縁及ビ翅底ノ半部ハ黄褐、光線ノ工合ニヨリ藍色ヲ現ハス、平均棍ハ黄褐、腹部ハ黑藍色、金色毛ヲ具ヘ、兩側ニアルモノハ長クシテ密ナリ、第一節ノ中央ニハ白毛ヲ装フ、雄ノ生殖器ニハ二個ノ長キ圓柱形ノ附屬物アリテ末端ニテ相接シ、之レニ金色ノ長毛ヲ装フ、腹面ニ黄毛多シ、脚ハ黑褐、少シク紫色ヲ帯ビ、金色毛多シ、跗節端ニハ黑毛アリ、爪ハ黑褐、基部ハ黄色、體長六分五厘、開張一寸二分、此ハ大和國三條ヶ岳ニテ一色周知氏ノ採集セルモノナリ、

分布—本州(大和)

Laphria yamatonis n. sp. (Pl. XX, Fig. 20, ♂).

Dark brown. Face with long silvery white hairs. Mystax black, below mingling some short yellowish hairs. Vertex with fulvous hairs. Proboscis at the base with white hairs, at the apex with very short fulvous hairs, palpi with yellowish hairs; antennae fuscous, the first 2 joints with black hairs. Cheeks with white and yellowish hairs, occiput and tempora with fuscous hairs. Thorax fulvous pubescent, posterior margin in the middle with white hairs. Halteres fulvous. Wings subhyaline, fuscous, on the basal half fulvous. Abdomen indigo-blue, with fulvous hairs, those on the sides being longer and denser, the 1st segment in the middle with some whitish hairs. Hypopygium large, the lower plate with narrow cylindrical appendages, yellowish pubescent. Legs fuscous, with a purple shade, fulvous pubescent, claws fuscous, at the bases yellowish.

Length—♂ 19.5 mm.; exp. 3.6 mm.

Hab.—Honshu (Yamato); collected by Mr. S. Ishiki.

(364) さっぽろいしあぶ

第二十圖 (8) (♂)

學名 *Laphria sapporensis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、頭ニハ黒毛ヲ具ヘ、顔ノ兩側、口吻ノ基部及ビ頬ニハ白毛ヲ裝フ、口上毛ニハ少シク白毛ヲ混ズ、觸角ハ暗褐、胸背ニハ判然セザル黒色ノ三縱條ヲ具ヘ、黒毛ヲ裝ヒ、稜狀部ノ後縁ニア
ルモノハ長シ、翅ハ透明、翅端ノ半ハ半透明ニシテ少シク暗色ヲ帶ブ、脈ハ暗色、平均棍ハ黃褐、
腹部ハ黑色、第一節及ビ尾節ヲ除キ金色毛ヲ密生ス、第一節及ビ第二節ノ前縁ニハ灰白毛アリ、尾
節ニハ黒毛ヲ具ヘ、雄ノ生殖器ノ上板ニハ兩側ニ各一個扁平ノ長キ附屬物アリテ其末端ハ截斷狀ニ
終ル、腹面ニハ灰白毛ヲ粗生ス、脚ハ黑色、白毛及ビ黒毛ヲ混生シ、後肢ニハ白毛稀ナリ、爪ハ暗
褐、基部ハ黄色、體長六分、開張九分、此ハ札幌及ビ樺太地方ニ稀ナラズ、
分布—樺太、北海道(札幌)、

(365) をきなはいしあぶ

第二十圖 (9) (♀)

學名 *Laphria okinawensis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、頭及ビ胸背ハ黃褐毛ヲ密生シ、又同色粉ヲ以テ被ハル、口上毛ハ黑色、黄色ノ短毛ヲ混

ズ、口吻ハ長ク、基部ニ近ク赤褐ノ部分アリ、基部ニ黒毛ヲ具ヘ、末端ニハ金色ノ短毛ヲ装フ、頰及ビ小腮鬚ニハ黒毛アリ、觸角ハ黒褐、第二節ハ黄褐、胸背ノ後角及ビ稜狀部ノ後縁ニ黄褐ノ長毛アリ、翅ハ黄褐、半透明、平均棍ハ淡黄褐、腹部ハ黒毛ヲ装ヒ、少シク褐毛ノ短毛ヲ混シ、尾端ニハ黄褐ノ長毛ヲ装フ、脚ハ黄褐、基部ノ轉節及ビ腿節末端ノ三分ノ一ヲ除キハ黒色、金色毛ヲ具ヘ、黒色部ニハ黒毛ヲ装フ、爪ハ黒褐、基部ハ黄褐、體長六分、開張一分二厘。此ハ沖繩ニテ黒岩恒氏ノ採集セルモノナリ、
分布—沖繩、

Laphria okinawensis n. sp. (Pl. XX, Fig. 9, ♀)

Black. Head and thorax above fulvous pruinose and densely concolorous pubescent. Mystax black, mingling some short fulvous hairs. Proboscis long, near the base with a reddish brown portion, at the base black pubescent, at the apex with short fulvous hairs. Palpi and cheeks black pubescent. Antennae fuscous, the second joint fulvous. Thorax on the hind angles and scutellum at the posterior margin with long fulvous hairs. Wings subhyaline, fulvous, veins concolorous. Halteres pale fulvous. Abdomen black pubescent, mingling a few short brownish hairs. Legs fulvous, with the concolorous hairs, coxae, trochanter and basal two thirds of the femur black, with the concolorous hairs; claws fuscous, fulvous at the bases.

Length—19 mm.; exp. 76 mm.

Hab.—Okinawa; collected by Mr. M. Kuroiwa.

(366)

おきなわのしめい

學名 *Laphria motodomaricensis* Mats.

昆蟲學上ノ地位 食蟲虻科

第二十圖 (10) (♀)

體ハ黑色、頭ニハ黒毛ヲ具ヘ、顔ノ兩側ニハ黄白毛ヲ裝フ、口吻ノ基部及ビ頰ニハ白毛ヲ具ヘ、口吻ノ末端ニハ黄褐ノ短毛アリ。觸角ハ黑色、初メノ二節ニ黒毛ヲ裝フ、胸背ニ黄白毛ヲ具ヘ、其内長キモノハ黑色ニシテ稍々直立ス、後縁ニハ金色毛ヲ具ヘ、稜狀部ノ後縁ニハ長キ直立セル金色毛アリ、翅ハ半透明、翅底ノ半部ハ稍々透明、少シク暗色ヲ帶ビ、脈ハ暗色、平均棍ハ黄褐、頭狀部ノ内側ニ暗褐ノ部分アリ、腹部ハ少シク藍色ヲ帶ビ、第四節ノ部分最モ廣シ、黄色毛ヲ密生ス、尾端ニハ黑色ノ長毛ヲ裝フ、脚ハ黑色、白毛及ビ黒毛ヲ混生シ、後腿節ニハ少シク黄白毛ヲ混生ス、爪ハ黑色、吸盤ハ黄褐、體長五分五厘、開張一寸一分、此ハ樺太元泊ニテ農學士足立仁郎及ビ一色周知兩氏ノ採集セルモノナリ、

Laphria motodomariensis n. sp. (Pl. XX, Fig. 10, ♀).

Black. Head with black hairs, face on the sides with pale yellowish hairs. Proboscis at the base and cheeks with whitish hairs. Proboscis at the apex with short fulvous hairs. Antennae black, the first 2 joints with black hairs. Thorax with pale yellow and black hairs, the latter being longer and nearly erect, at the hind margin with fulvous hairs; scutellum at the posterior margin with long erect fulvous bristles. Wings subhyaline, at the basal half somewhat hyaline, with a light fuscous shade, veins fuscous. Halteres fulvous, the knob each on the inner side with a brownish part. Abdomen black, with a bluish shade, short fulvous pubescent, pygidium with long black hairs. Legs black, with white and black hairs, posterior femur mingling a few pale yellowish hairs; claws fuscous, pulvilli fulvous.

Length—16.5 mm.; exp. 33 mm.

Hab.—Saghalien (Motodomari); collected by Messrs. J. Adachi and S. Ishiki.

(367) くろすちいしあぶ

第二十圖(11) (♀)

學名 *Laphria nigrovittata* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、頭ニハ黒毛ヲ具ヘ、顔ニハ灰黄粉ヲ装ヒ、瘤狀突起ノ兩側ニ少シク白毛ヲ装フ、口上毛ハ大部黒色ナレドモ少シク白毛ヲ混ズ、口吻ノ基部及ビ頬ニハ白毛ヲ具ヘ、口吻ノ末端ニハ黄褐ノ短毛アリ、觸角ハ暗褐、第三節ニハ灰黄粉ヲ装フ、胸背及ビ稜狀部ハ灰色、灰白ノ短毛多ク、中央ニ黒色ノ一縦條アリテ之レニ黒毛ヲ装フ、翅ハ半透明、少シク暗色ヲ帶ビ、脈ハ暗褐、平均棍ハ黄白、柄節ノ基部ハ黄褐、腹部ハ黒色、黒色ノ短毛ヲ具ヘ、兩側及ビ各節ノ後縁(中央ヲ除キ)ニアルモノハ灰白、尾端ニハ白毛アリ、脚ハ黒色、黒毛及ビ白毛ヲ装ヒ、爪ハ黒色、吸盤ハ暗黄、體長四分三厘、開張八分、此ハ札幌地方ニ普通ナリ、分布一北海道(札幌)。

Laphria nigrovittata n. sp. (Pl. XX, Fig. 11, ♀).

Black. Head black pubescent, face on the sides with a few white hairs, mystax black, mingling a few white hairs. Proboscis at the base and cheeks with white hairs, the former at the apex with short fulvous hairs. Antennae fuscous, the third joint grayish yellow pruinose. Thorax and scutellum grayish, with short grayish white hairs, in the middle with a longitudinal black stripe. Wings subhyaline, infuscated, veins fuscous. Halteres pale yellowish, the stems at the bases fulvous. Abdomen black, on the sides and each segment on the hind margin, except the middle, with whitish hairs, pygidium with long whitish hairs.

Legs black, with black and white hairs; claws black, pulvilli dirty yellow.

Length—13 mm.; exp. 24 mm.

Hab.—Hokkaido (Sapporo); common.

Much resembles to *L. Komurae* Mats, but the latter lacks the central vitta of the thorax.

(368)

いっしきいしあぶ

第二十圖 (12) (♂)

學名 *Laphria Isshikii* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ雄褐色、金色ノ短毛ヲ密生ス、頭頂及ビ口上ニハ黒毛ヲ装ヒ、何レモ少シク黄色毛ヲ混ズ、口吻ノ基部及ビ頬ニハ黄毛ヲ具ヘ、前者ノ末端ニハ黄褐ノ短毛アリ、小腮鬚ニハ黒毛ヲ装フ、觸角ハ黒褐、初メノ二節ニハ黒毛及ビ黄毛アリ、肩部ニハ灰黄粉ヲ具ヘ、胸背ノ中央ニハ少シク黒毛ヲ装ヒ、稜狀部ノ後縁ニハ黄色ノ長毛ヲ列ヌ、翅ハ半透明、暗色ヲ帶ビ、翅底ノ半部ハ透明、脈ハ暗褐、平均棍ハ黄褐、腹部ハ胸部ヨリ少シク細ク、金色毛ハ尾端ニ至ルニ隨ヒ少ナシ、尾端ハ少シク藍色ヲ帶ブ、尾節ニハ黒毛ヲ具ヘ、雄ノ生殖器ノ下板ニハ稍々圓錐形ノ褐色突起アリテ之レニ黄褐毛ヲ装フ、上板ノ中央ハ圓錐形ニ深ク剝ラル、脚ハ黒色、黒毛ト黄毛ヲ装ヒ、爪ハ黒色、基部ハ黄褐、吸盤ハ暗黄、雌ニテハ全部黒褐毛ヲ密生ス、體長(♂)六分—六分五厘、開張一寸一分—一寸二分、此ハ一色周知氏ノ高野山ニテ採集セルモノナリ、分布—本州(紀州高野山)、

Laphria Isshikii n. sp. (Pl. XX, Fig. 12, ♂).

Brown, covered with dense short golden yellowish hairs. Hairs of the head and mystax black, mingling a few yellowish hairs. Proboscis at the base and cheeks yellowish pubescent, the former at the apex with short fulvous hairs. Palpi black pubescent. Antennae fuscous, the first two joints with black and fulvous hairs. Humerus yellowish gray pruinose, thorax in the disk with a few erect black hairs, scutellum on the hind margin with a series of long yellowish bristles. Halteres fulvous. Abdomen somewhat narrower than the thorax, towards the apex hairs sparser, the fifth and sixth segments bluish, hypopygium black, black pubescent, the lower plate at the apex with a long conical brownish projection, being fulvous pubescent, the upper plate above conically excavated. Legs black, with black and yellowish hairs, claws black, at the bases fulvous, pulvilli dirty yellow. In the female hairs mostly fuscous.

Length—18-19 mm.; exp. 33-36 mm.

Hab.—Houshu (Mount Koya in the Prov. Kii); not rare.

(369)

をぐまいしあぶ

第二十圖 (13) (♀)

學名 *Laphria Ogumae* Mats.

昆蟲學上ノ地位 食蟲蛇科

體ハ黑色、頭ニハ黒毛ヲ具ヘ、顔ノ兩側ニハ灰白ノ長毛ヲ裝フ、口上毛ハ全部黑色、口吻ノ基部及ビ頬ニハ白毛ヲ具ヘ、上頬ニハ黒毛ヲ裝フ、觸角ハ黑色、黒毛ヲ有ス、胸背ニハ金色ノ短毛ヲ具ヘ、少シク長キ黒毛ヲ混ズ、肩部ニハ灰黄粉ヲ裝フ、稜狀部ニハ黄白毛ヲ具ヘ、後縁ニハ黑色ノ長毛アリ、翅ハ半透明、少シク暗褐ヲ帶ビ、脈ハ褐色、平均棍ハ黄褐、腹部ハ胸部ヨリモ少シク廣ク、初メノ四節ニハ黄色ノ短毛ヲ具ヘ、終リノ三節ニハ黒毛ヲ裝フ、尾節ノ末端ニハ灰白毛アリ、脚ハ黒

色、黒毛及ビ白毛ヲ装ヒ、後腿節(末端ヲ除キ)及ビ同脛節(末端ヲ除キ)ハ美麗ノ赤褐、爪ハ黒褐、基部ハ黄褐、吸盤ハ黄白、體長四分五厘、開張七分三厘、此ハ農學士小熊桿氏ノ樺太ニテ採集セルモノナリ、

分布—樺太(ガルキノ)、

(370) むらさきあしながむしひき

第二十圖 (14) (♂)

學名 *Dasygogon purpuripenne* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黒褐、頭ニハ黒毛ヲ具ヘ、顔ニハ黄白毛ヲ装フ、口吻ノ末端ハ少シク黄褐、基部及ビ頰ニ黄白毛ヲ装ヒ、上頰及ビ後頭ニハ黒毛ヲ装フ、觸角ハ黒色、初メノ二節ニ黒毛アリ、胸背ニ黒毛ヲ装ヒ、中央ニハ灰色ノ二縦條ヲ具ヘ、肩部及ビ胸側ニハ灰黄粉ヲ装フ、翅ハ半透明、第二底室及ビ中央部ハ透明、暗色ヲ帶ビ、光線ノ工合ニヨリ美麗ノ紫色ヲ現ハス、脈ハ暗色、平均棍ハ暗褐、柄節ハ黄褐、腹部ハ少シク紫色ヲ帶ビ、黒色ノ短毛ヲ装ヒ、兩側ニアルモノハ白色ニシテ長シ、尾節ニハ黒色ノ長毛ヲ具ヘ、雄生殖器上板ノ兩側ハ卵形ニ肥大シ、之レヨリ各一本ノ暗褐ナル鈎狀突起ヲ後方ニ出ス、下板ハ廣ク、稍々四角形ヲナシ、之レニ黄褐毛ヲ装フ、脚ハ黒色、白毛及ビ黒毛ヲ装ヒ、脛節ニハ黄褐ノ短毛ヲ混生ス、體長七分五厘、開張一寸二分、此ハ臺灣埔里社ニテ余ノ採集セルモノナルガ稀ナルガ如シ、

分布—臺灣(埔里社)

Dasypogon purpuripenne n. sp. (Pl. XX, Fig. 14, ♂).

Fuscous. Head black pubescent, face with pale yellowish hairs. Proboscis at the extreme apex fulvous, at the base and on the cheeks pale yellowish pubescent, tempora and occiput with black hairs. Antennae black, the first 2 joints with black hairs. Thorax short black pubescent, in the middle with 2 longitudinal grayish stripes, humeri and pleurae grayish yellow pruinose. Wings subhyaline, somewhat infuscated, the second basal cell and the middle part being hyaline, in a certain light reflecting a beautiful purple, veins fuscous. Halteres fuscous, the stems fulvous. Abdomen black, with a purple luster, short black pubescent, on the sides with long white hairs, hypopygium with long black hairs. The upper genital plate of the male on each side inflated in an oval form and each sending backwards a long fuscous hook-like projection, the lower plate broad, nearly quadrate, with fulvous hairs. Legs black, with white and black hairs, tibiae mingling some short fulvous hairs. Length—22.5 mm, exp. 36 mm.

Hab.—Formosa (Horisha); collected by the author.

(371) たかさごあしながむしひま

第二十圖 (15)

學名 *Dasypogon takasagense* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ淡黃褐、頭ハ金色、同色毛ヲ具ヘ、口吻ハ黑褐、末端ハ黃褐、基部、末端及ビ小腮鬚ニ金色毛アリ、觸角淡黃褐、黒毛ヲ裝ヒ、第三節ニテハ背部ノミ位ス、單眼ノ部分黒褐、黒毛アリ、胸部ハ金色粉ヲ以テ蔽ハレ、胸背ニ灰色ノ四縱條アリテ、中央ノ二條ハ短カク、兩側ニアルモノハ漸々後

縁ニ達ス、黒毛ヲ装ヒ、兩側ニハ剛毛列アリ、稜狀部ニハ二三ノ横皺ヲ具ヘ、黒剛毛ヲ粗生ス、翅ハ透明、翅底ノ半部ハ後縁ヲ除キ鼈甲様ノ黄色ヲ帶ブ、脈ハ黃褐、平均棍ハ淡黃褐、腹部ハ胸部ト稍々同幅、黒色及ビ黄色ノ短毛ヲ装ヒ、兩側ニアルモノハ黄色、第四節ノ前後兩縁、第五及ビ第六節ハ黒色、第七及ビ第八節ニアル毛ハ全部黄色、腹面ハ黄色、兩側ハ少シク暗色ヲ帶ブ、脚ハ淡黃褐、黒毛及ビ黄毛ヲ具ヘ、剛毛ハ全部黒色、爪ハ黒色、基部ハ黄色、前脛節ニアル距ノ末半ハ黒色、體長八分、開張一寸六分、此ハ播州高砂ニテ採集セルモノナルガ餘リ多カラズ、

分布—

Dasygogon takasagense n. sp. (Pl. XX, Fig. 15, ♀).

Pale fulvous. Head golden yellow, with the concolorous hairs. Proboscis fuscous, at the extreme apex fulvous, at the apex and base, as well as on the palpi golden pubescent. Antennae pale fulvous, with black hairs, those of the third joint being provided only on its back. Ocellar region fuscous and black pubescent. Thorax golden pruinose, mesonotum with 4 longitudinal grayish stripes, the middle 2 shorter, while 2 lateral ones nearly reaching to the hind margin, short black pubescent, on each side above the wing-insertion with a row of black bristles. Scutellum with 2 or 3 transverse furrows and few black bristles. Wings hyaline, basal half, except the hind margin, pale fulvous, veins fulvous. Halteres pale fulvous. Abdomen nearly as broad as the thorax, short black and yellow pubescent, those of the sides being yellow, the fourth segment on both margins, as well as the fifth and sixth black, the 7th and 8th yellowish pubescent. Venter yellow, on the sides infuscated. Legs pale fulvous, with black and yellowish hairs, bristles mostly black, apical spur of the anterior tibia on the apical half black, claws black, at the bases fulvous.

Length—24 mm.; exp. 48 mm.

Hab.—Houshu (Takasago in the Prov. Harima); not rare.

(372) さっぽろあしながむしひき

第二十圖 (16) (♂)

學名 *Dasygogon sapporensis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黑褐、頭ハ金色毛及ビ金色粉ヲ裝ヒ、口上毛ハ黃白、口吻ハ黑褐、末端、基部及ビ小腮鬚ハ金色毛ヲ裝ヒ、後者ニハ黑褐毛ヲ混ズ、胸部ニハ金色粉ヲ裝ヒ、胸背ニハ灰黃ノ二縱條ヲ具ヘ、兩側ニハ剛毛ノ一列アリ、稜狀部ニハ灰黃粉多シ、翅ハ透明、少シク灰色ヲ帶ビ、脈暗褐、翅底ハ黃色、平均棍ハ黃色、腹部ハ淡黃褐、胸部ヨリモ遙ニ細ク、黑毛及ビ黃毛ヲ具ヘ、第一節、第二節ノ前後縁、第三及ビ第四節ノ後縁並ニ第五及ビ第六節ハ黑色、雄生殖器上板ノ兩側ハ卵形ニ膨大シ、後方ニ各二個ノ長キ絲狀突起ヲ出シ、内側ニアルモノハ下向シ、外側ニアルモノハ上向ス、黃毛多ク、下面ニハ黑褐毛ヲ裝フ、脚ハ淡黃褐、腿節ノ末端ハ黑色、前脛節ノ外側ハ暗褐、黑毛及ビ黃毛ヲ具ヘ、爪ハ黃色、末端ハ黑色、體長五分、開張九分、此ハ札幌地方ニ稀ナラズ、分布—

Dasygogon sapporensis n. sp. (Pl. XX, fig. 16, ♂).

Dark fuscous. Head golden pruinose, with the concolorous hairs, mystax pale yellowish, proboscis pitchy brown, at the apex and base golden pubescent, palpi with yellowish and fuscous hairs. Thorax golden pruinose, with black hairs and bristles, in the middle with 2 longitudinal grayish yellow stripes, scutellum grayish yellow pruinose. Wings hyaline, with a

grayish tinge, at the base yellowish, veins uscouis. Halteres yellowish. Abdomen pale fulvous, much narrower than the thorax, the first, both margins of the 2nd, hind margins of the 3rd and 4th, as well as the 5th and 6th, black. The upper genital plates of the male on each side inflated in an oval form, which posteriorly sending 2 pairs of filiform appendages, the inner 2 curving downwardly and the outer 2 curving upwardly, with long yellowish hairs, those on the venter being mostly fuscous. Legs pale fulvous, femora at the apices black, the anterior tibiae on the outer sides fuscous, with black and yellowish hairs, claws yellowish, at the apices black.

Length—15 mm.; exp. 27 mm.

Hab.—Hokkaido (Sapporo); not rare.

Somewhat resembles to *D. japonicum* Big., but much smaller.

(373)

あをめあぶ

第二十圖 (17) (♀)

學名 *Ommatius flavidus* Wied.

昆蟲學上ノ地位 食蟲虻科

體ハ褐色、金色ノ短毛多ク、又同色粉ヲ以テ蔽ハルガ故黃褐色ノ觀アリ、頭ハ金色、同色毛ヲ裝フ、觸角ハ淡黃褐、第三節ハ暗褐、端刺長ク、黃褐ニシテ之レニ褐毛ノ羽狀毛ヲ裝フ、單眼ノ部分ハ暗褐、之レニ黑褐毛ヲ裝フ、複眼ハ黑綠色、口吻及ビ小腮鬚ハ黑褐、之レニ金色毛アリ、胸部ハ黑毛ヲ具ヘ、肩部及ビ兩側ニハ黃色アリ、中央ニ褐色ノ二縱條アレドモ餘リ判然セズ、之レハ細キ黃縱線ニテ更ニ二分セラル、ガ爲メ四線ヲ有スルガ如シ、兩側、後緣及ビ稜狀部ニ黑色ノ剛毛ヲ裝フ、翅ハ半透明、灰褐ヲ帶ビ、脈ハ淡黃褐、平均棍ハ黃色、腹部ハ胸部ヨリモ遙ニ細ク、各節ノ後緣及ビ尾節ハ橙黃色、金色ノ短毛多シ、尾端ニハ黑褐ノ剛毛ヲ混ズ、脚ハ黑褐、脛節ハ淡黃褐、後肢ノ

第一跗節ハ内側ニテ淡黃褐、外側ニテ黃褐ナリ、爪ハ黑褐、基部ハ黃褐、體長七分五厘内外、開張一寸六分、此ハ北海道ヲ除ク何レノ地ニモ普通ナリ、分布—本州、四國、九州、沖繩、臺灣、支那、印度、

(374) ほりしやおほむしひき

第二十圖 (18) (♀)

學名 *Promachus horishanus* Mats.

昆蟲學上ノ地位 食蟲蛇科

體ハ黑褐、黃褐毛多シ、顔ノ兩側ニハ絹様ノ灰黃粉ヲ裝ヒ、口上毛ハ黑色及ビ金色ニシテ、口吻及ビ小腮鬚ハ光澤アル黑褐、黑毛及ビ金色毛ヲ混生ス、小腮鬚ノ末端ニアルモノハ大部黑色ナリ、觸角ハ黑褐、第三節ノ基部ハ褐色、角片ハ第三節ヨリ少シク長ク、末端ハ紡錘狀ヲナシテ少シク淡色ナリ、頬ニハ金色ノ長毛ヲ密生ス、胸部ニハ金色粉多ク、黑色ノ短毛ヲ粗生シ、後縁及ビ兩側ニハ剛毛アリ、稜狀部ニハ黑毛及ビ黃毛ヲ具ヘ、黑毛ハ太シ、翅ハ黃褐ニシテ半透明、脈ハ淡黃褐、前縁ハ暗褐、平均棍ハ黑褐、柄節ハ淡黃褐、腹部ニハ赤褐ノ長毛多シ、尾端ノ五節ハ細ク、光澤ヲ帶ビ、毛少ナク、第七及ビ第八節ハ長ク、之レニ黑毛ヲ混ズ、脚ハ黑褐、黃毛及ビ黑毛多ク、後脛節ノ外側ニアルモノハ大部黑色ナリ、爪ハ黑色、體長八分、開張一寸五分、此ハ臺灣埔里社地方ニテ捕獲セルモノナルガ稀ナラザルガ如シ、

分布—臺灣埔里社、

Promachus horishannus n. sp. (Pl. XX, Fig. 20, ♀).

Dark fuscous, with fulvous hairs. Face on the sides grayish yellow pruinose, with a silky luster. Mystax black and fulvous, the black bristles being larger and stronger. Proboscis and palpi pitchy brown, with fulvous hairs, the latter at the apices with black hairs. Antennae fuscous, the third joint at the extreme base brownish, stylus somewhat longer than the third joint, at the apex spindle-shaped and somewhat paler in color; cheeks with dense long golden hairs. Thorax golden pruinose, with black hairs, those of the hind margin being longer and stronger. Scutellum with fulvous and black bristles, the latter being stronger. Wings subhyaline, fulvous, veins paler, costa being fuscous. Halteres fuscous, the stems fulvous. Abdomen with long reddish brown hairs, the last 5 segments narrow, shining, with sparse hairs, the 7th and 8th being longer and mingling some black hairs. Legs fuscous, with yellowish and black hairs, those of the anterior tibiae on their outersides being black. Claws black, at the bases somewhat paler.

Length—24 mm.; exp. 45 mm.

Hab.—Formosa (Horisha); not rare.

(375)

たいわんしはやあぶ

第二十圖 (♀)

學名 *Promachus formosanus* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ暗褐、顔ハ灰白、黄白毛ヲ具ヘ、口上毛ノ基部ハ黄色、口吻及ビ小腮鬚ニハ黄毛ヲ具ヘ、前者基部ノ下面ニハ白毛ヲ具ヘ、前者ノ末端ニハ一本ノ褐毛ヲ混ズ、頬ニハ白毛ヲ具ヘ、上頬ニハ黄毛アリ、觸角ハ暗褐、第三節基部ハ少シク褐色、角片ハ褐色ニシテ長ク、三節ヲ合シタルモノヨリ少シク短カシ、胸背ニ灰黄ノ三縦條アリテ、肩部及ビ横皺ハ灰黄、黑色ノ短毛ヲ具ヘ、後縁及ビ稜狀

部ニアルモノハ黄色、剛毛ハ全部黑色、稜狀部ハ灰黄、翅ハ稍々透明、少シク灰褐ヲ帶ビ、脈ハ暗褐、平均棍ハ淡黄褐、頭狀部ハ暗褐、腹部ハ細ク圓柱形、黑色、各節ノ後縁ハ灰白、黄毛及ビ黒毛ヲ混生シ、尾節ニハ白毛ヲ簇生シ、雄生殖器ノ兩側ニハ大ナル弓狀ノ附屬物アリテ少シク上向シ、末端ニテ相接觸ス、中央ニ長キ絲狀ノ附屬物アリテ其末端ハ黄褐、腹面ハ末端ヲ除キ灰色、脚ハ黑色、脛節(末端ヲ除キ淡黄褐、黄白毛及ビ黒毛アリ、體長七分、開張一寸、此ハ臺灣埔里社ニテ捕獲セルモノナルガ稀ナラス、分布—臺灣(埔里社)。

Promachus formosanus n. sp. (Pl. Fig. 19, ♀)

Fuscous. Face grayish white, with pale yellowish hairs, the hairs of mystax at the base mostly yellowish, proboscis and palpi with yellowish hairs, the latter at the apices mingling some brown bristles, the former at the base below and cheeks with white hairs, tempora with yellowish hairs. Antennae fuscous, the 3rd joint at the extreme base brownish, stylus brown, somewhat shorter than the 3 segments taken together. Thorax with 3 longitudinal grayish yellow stripes, humeri and sutures grayish yellow pruinose, with black hairs, those of the hind margin and scutellum being yellowish. Scutellum grayish yellow, on the hind margin with long black bristles. Wings nearly hyaline, with a pale brownish shade, veins fuscous. Halteres pale fulvous, the knobs being fuscous. Abdomen narrow, cylindrical, at the apex of the male with a bush of white hairs, hypopygium on each side with a robust bow-like projection, which touching each other at the apex, in the middle with 3 long filiform appendages, which being ulvous at the apices; venter except the apex grayish. Legs black, with pale yellowish and black hairs, tibiae except the apices pale fulvous.

Length—21 mm.; exp. 30 mm.

Hab.—Formosa (Horisha); not rare.

(376) ほっぱむしひき

第二十圖 (20) (♀)

學名 *Asilus hopponis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ灰色、頭ハ灰白、口上毛ハ黃白、口吻及ビ小腮鬚ハ光澤アル黑褐、黃白毛ヲ具ヘ、前者ノ末端ハ黃褐ニシテ黃褐ノ短毛アリ、頬ニハ白毛ヲ具ヘ、後頭ニハ黃毛アリ、觸角ハ淡黃褐、同色毛アリ、複眼ハ黑褐、胸背ノ中央ニハ太キ暗褐ノ一縱條アリテ細キ灰色線ニテ二分セラレ、兩側ニ各三個ノ暗褐紋アリテ後端ニアルモノハ小ナリ、黑毛ヲ具ヘ、剛毛ハ多ク黃色ナリ、稜狀部ノ後縁ニ黃色ノ四剛毛ヲ裝フ、翅ハ透明、少シク灰黃ヲ帶ビ、末端ハ灰色ヲ帶ブ、脈ハ褐色、平均棍ハ黃褐、各腹節ノ後縁ハ淡黃褐、同色毛ヲ裝フ、脚ハ淡黃褐、同色毛ヲ具ヘ、中後兩腿節ノ末端ハ黑褐、爪ハ黑色、基部ハ黃褐、體長九分、開張一寸六分、此ハ臺灣北埔ニテ捕獲セルモノナルガ稀ナルガ如シ、分布—臺灣(北埔)。

Asilus hopponis n. sp. (Pl. XX, Fig. 20, ♀).

Gray. Head grayish white, mystax pale yellowish, proboscis and palpi pale yellowish pubescent, the former at the apex fulvous and with the concolorous short hairs; cheeks with white hairs, occiput with yellow bristles. Antennae pale fulvous, with the concolorous hairs. Compound eyes dark fuscous. Thorax in the middle with a broad fuscous stripe, which being divided by a narrow grayish stripe, and which tapering towards the posterior margin, on each side with 3 fuscous spots, one of the hind margin being much smaller, with short black and fulvous hairs and bristles, the latter being mostly longer and strong-

er. Scutellum on the hind margin with 4 fulvous bristles. Wings hyaline, with a few yellowish shade, at the apex grayish infuscated, veins brownish. Halteres fulvous. Abdomen gray, at the hind margin of each segment being pale fulvous, with the concolorous hairs. Legs pale fulvous, with the concolorous hairs, the last two femora at the apices dark fuscous; claws black, at the bases fulvous.

Length—27 mm.; exp. 48 mm.

Hab.—Formosa (Hoppono); quite rare.

(377) やえやませまたらむしひき

第二十圖 (21) (♀)

學名 *Asilus fallaciosus* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ絹様ノ灰色、頭ハ灰黄、口上毛ハ黄白、頭頂ノ兩側及ビ單眼ノ部分ニ黒毛アリ、口吻及ビ小腮鬚ニハ黄白毛ヲ具ヘ、前者ノ末端ニ黄褐ノ短毛ヲ裝フ、觸角ハ黒色、黒毛アリ、頬ニハ灰白毛ヲ具ヘ、後頭ニハ黒毛アリ、胸背ノ中央ニ太キ黒縦條アリテ、細キ灰色線ニテ二分セラル、其兩側ニハ三黒紋アリテ後方ニアルモノハ小ニシテ圓錐形ヲナス、長短アル黒毛ヲ裝ヒ、稜狀部ノ後縁ニハ黒色ノ六剛毛アリ、翅ハ透明、少シク黄褐ヲ帶ビ、末端ハ少シク灰色ヲ帶ブ、平均棍ハ黄褐、腹背ハ黒色、各節ノ後縁ハ灰白、同色毛ヲ裝フ、終リノ四節ハ延長シテ細ク、全部黒色ニシテ光澤アリ、腹面ハ灰色、脚ハ黒色、前中兩脛節ノ中央ハ黄褐、灰黄ノ短毛ヲ具ヘ、剛毛ハ黒色ナリ、爪ハ黒色、吸盤ハ灰黄、體長八分、開張一寸三分、此ハ八重山ニテ黒岩恒氏ノ採集セルモノナルガ稀ナルガ如シ、

分布—沖繩(八重山)

Asilus fallaciosus n. sp. (Pl. XX, Fig. 21, ♀)

Gray, with a silky luster. Head grayish yellow, mystax pale yellowish, vertex on the sides and ocellar region black pubescent. Proboscis and palpi with pale yellowish hairs, the former at the apex fulvous short pubescent; cheeks with white hairs, occiput with black hairs. Antennae black, with the concolorous hairs. Thorax in the middle with a broad black stripe, which being divided by a narrow grayish stripe, on each side with 3 black spots, the hindmost one being smaller and of a conical shape, with short and long black hairs; scutellum on its hind margin with 6 black bristles. Wings hyaline, with a light pale fulvous shade, at the apex scarcely grayish infuscated, veins fulvous. Halteres fuscous. Abdomen above black, at the hind margin of each segment, except last 4 segments, grayish white, with grayish hairs, the last 4 segments narrower and shining black, with black hairs, venter grayish, with pale grayish hairs. Legs black, the anterior 4 tibiae in the middle fulvous, with pale grayish hairs, bristles being black, claws black, pulvilli dirty yellow.

Length—24 mm.; exp. 39 mm.

Hab.—Okinawa (Yayeyama); collected by Mr. M. Kuroiwa.

Much resembles to *A. virgaticeps* Coq.

(378) ちやいろむしひお

第二十圖 (22) (♀)

學名 *Asilus brevistylus* Coq.

昆蟲學上ノ地位 食蟲虻科

體ハ灰色、顔ハ灰黄、黄毛ヲ装ヒ、觸角下ニハ少シク黒毛ヲ混ズ、頬、口吻ノ末端及ビ其基部並ニ小腮鬚ニハ黄白毛ヲ具ヘ、頭頂ニハ黒毛ヲ装フ、觸角ハ暗褐、第二節ハ褐色、第三節ノ角片ハ短カ

シ、胸背ノ中央ニハ暗褐ノ一縦條アリテ、其中央ニ灰色ノ細キ一縦條アレドモ餘リ判然セズ、之レハ後縁ニテ細ク尖小ス、黑色ノ短毛及ビ長毛ヲ裝ヒ、兩側ニ黄色ノ剛毛ヲ混ズ、稜狀部ノ後縁ニ二剛毛アリ、翅ハ半透明、暗黄色ヲ帶ビ、脈ハ少シク濃色、平均棍ハ黃褐、腹部ハ灰色、黃白毛ヲ裝ヒ、各節ノ後縁ニハ剛毛列アリ、雌ノ尾端ハ光澤アル黑色、側扁、末端ハ斜ニ截斷狀ニ終ル、脚ハ暗褐、脛節ハ末端ヲ除キ黃褐、黃白ノ短毛多ク、剛毛ハ黑色、但シ基節ニアルモノハ黃白、爪ハ黑色、基部ハ褐色、體長七分五厘、開張一寸一分、此ハ何レノ地方ニモ稀ナラズ、分布―北海道、本州、四國、九州、

(379) をきなはむしひき

第二十圖 (23) (♀)

學名 *Asilus okinawensis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ暗褐、顔ハ絹様ノ黃白、黃白ノ剛毛ヲ具ヘ、上下ノ兩端ニ黒毛ヲ混ズ、口吻ノ基部及ビ頰ニハ白毛ヲ具ヘ、小腮鬚ニハ短カキ黒毛アリ、頭頂ニハ黒毛ヲ具ヘ、觸角ハ暗褐、黒毛ヲ裝フ、胸背ハ絹様ノ黄色、中央ニ太キ暗褐ノ一縦條アリテ之レハ後縁ニテ細ク尖小シ、更ニ其中央ニ灰白ノ一縦條アリテ之レヲ二分ス、尙兩側ニモ暗褐ノ二紋アリ、黒毛ヲ裝フ、稜狀部ハ灰黃、雨色ノ短毛ヲ具ヘ、後縁ニハ黑色ノ二剛毛アリ、翅ハ透明、少シク暗色ヲ帶ビ、脈ハ暗褐、平均棍ハ黄色、腹部ハ暗褐、尾端ノ二節ヲ除キ各節ノ後縁ハ灰黃、黒毛ヲ具ヘ、兩側ニハ黃毛ヲ裝フ、尾節ハ光澤アル黒

色、側扁、稍々圓錐形ヲ呈シ、末端ハ細ク截斷狀ニ終ル、脚ハ黑色、黄白ノ短毛及ビ剛毛ヲ装ヒ、脛節ノ末端及ビ跗節ニアルモノハ黑色、跗節ノ下面ニハ黄褐ノ短毛ヲ密生ス、爪ハ黑色、基部ハ黄褐、體長五分、開張七分、此ハ沖繩ニテ黒岩恒氏ノ採集セルモノナリ、分布—沖繩、

Asilus okinawensis n. sp. (Pl. XX, Fig. 23, ♀).

Fuscous. Face silky pale yellow, mystax pale yellowish, above and below mingling a few black bristles. Proboscis at the base and cheeks with whitish hairs, palpi and vertex with short black hairs. Antennae fuscous, with short black hairs. Thorax silky yellow, in the middle with a broad fuscous stripe, which being divided by a narrow grayish stripe, and which tapers towards the hind margin, on each side with 2 fuscous spots, black pubescent. Scutellum grayish yellow, with the colourous short hairs, at the hind margin with 2 black bristles. Wings hyaline, slightly infuscated, being somewhat paler in the middle and at the base, veins fuscous. Halteres yellowish. Abdomen fuscous, each segment, except the 1st 2 segments, on the hind margin grayish yellow, with black hairs, on the sides being yellowish pubescent, pygidium shining black, conical, compressed, at the tip being narrowly truncated. Legs black, with pale yellowish short and long hairs, those of the tarsi being black, and their under-sides densely fulvous pubescent, claws black, at the bases fulvous.

Length—15 mm.; exp. 21 mm.

Heb.—Okinawa; collected by Mr. M. Kuroiwa.

(380)

たいわんふさひげむしひめ

第二十圖 (24) (♂)

學名 *Stenommatius formosanus* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ暗褐、顔ハ絹様ノ白色、口上毛ハ白色、其上方ニ黑色ノ六剛毛アリテ三列ニ排置セラレ、口吻ハ頭ヨリモ短カク、黒褐ニシテ基部ハ黄白、頬ト共ニ白毛ヲ装フ、小腮鬚ノ末端ニアルニ剛毛ハ黄色ニシテ長シ、觸角ハ黄色、第三節ハ黄褐、端刺ハ甚ダ長ク、觸角ノ二倍長アリテ其一側ニ褐色ノ羽狀毛ヲ装フ、複眼ハ黒褐、胸部ハ灰黄、胸背ハ暗褐、肩部及ビ其上方ノ一紋ハ絹様ノ灰黄、黒毛ヲ具ヘ、兩側及ビ後縁ニハ黄毛ヲ混ズ、稜狀部及ビ後胸背ハ灰黄、同色毛ヲ装フ、翅バ腹部ヨリ少シク長ク、透明、少シク灰色ヲ帶ビ、脈ハ暗色、基部ハ灰黄、平均棍ハ黄白、腹部ハ細長、暗褐、初メノ四節ノ兩側及ビ後縁ハ灰黄、黄褐毛ヲ装ヒ、兩側ニアルモノハ長シ、腹面ハ灰黄、尾端ノ三節ハ暗褐、雄ノ生殖器上板ハ一雙ニシテ太ク、内方ニ曲リ其末端ニ各一個ノ鈎狀突起ヲ装フ、下板ノ一雙ハ小ニシテ圓錐形ヲナス、何レモ黒褐毛ヲ装フ、脚ハ黄色、腿節ノ末端ニ一黒點アリ、暗褐毛ヲ具ヘ、少シク黄毛ヲ混ズ、爪ハ褐色、基部ハ灰黄、體長四分、開張七分、此ハ臺灣ニテ捕獲セルモノナルガ稀ナルガ如シ、

分布—臺灣(埔里社)。

Stenommatius formosanus n. sp. (Pl. XX, Fig. 24, ♂).

Fuscous. Face silky white, mystax white, above with 6 black bristles in two rows; vertex with black hairs; proboscis fuscous, at the base pale yellowish, with the cheeks whitish pubescented, maxillary palpi with yellowish bristles. Antennae yellow, the third joint fulvous, the arista with the plumose hairs fulvous. Thorax tenebrous, above fuscous, humerus and a spot above it testaceous, with black hairs and bristles, on the sides and at the hind margin mingling a few yellowish hairs, scutellum and metanotum testaceous, with the concolorous hairs. Wings hyaline, slightly grayish infuscated, veins fuscous, at the

base testaceous. Halteres pale yellowish. Abdomen fuscous, on the sides and the first 4 segments on each hind margin testaceous, with fulvous hairs, the last 2 segments with fuscous hairs. Upper genital plates of the male large and curved inwardly and touch each other at the apices, each being provided with a hook-like projection, the lower plates being smaller and of a conical shape. Venter testaceous, the last 3 segments being fuscous. Legs yellow, each femur at the apex with a black speck, with short fuscous hairs, mingling a few yellowish hairs; claws brown, at the bases fulvous, pulvilli dirty yellow.

Length—12 mm.; exp. 21 mm.

Hab.—Formosa (Horisha); collected by the author, rare.

Stenommatius n. g.

Much resembles *Ommatius* WK., but differ from the latter as follows:

Body much narrower. Face in the middle with 6 bristles in 2 rows. Mystax much less than that of *Ommatius*. Ocellar region with 2 proclinate bristles. Thorax in the middle with 3 longitudinal rows of bristles. Femora without bristles, only the hind femur having a preapical bristle, tibiae at the apical halves with long bristles, the hind tibia being provided with a prebasal bristle. Pulvilli much narrower, being broader towards the apices.

Type—*Stenommatius formosanus* Mats.

(381) ひめしろをびむしひお 第二十一圖 (1) (♀)

學名 *Lasiopogon cinctus* F.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、灰色粉ヲ装フ、頭ニハ黒毛ヲ具ヘ、口上毛ハ長シ、頬及ビ口吻下ニハ銀白毛ヲ具ヘ、口物ハ短カク、末端ハ黃褐、觸角ハ黑色、第三節ハ短カクシテ第二節ノ三分ノ一ニ過ギズ、胸背ノ兩

側及ビ稜狀部ニハ灰色粉多ク、黒毛ヲ裝フ、翅ハ透明、少シク灰色ヲ帶ビ、脈ハ暗褐、平均棍ハ黃褐、腹部ハ紡錘形ニ近ク、各節ノ後縁ニ灰白粉ヲ具ヘ、黒毛及ビ白毛ヲ裝ヒ、兩側ニアルモノハ大部白色ナリ、尾節ニ灰色粉ヲ缺ク、約十個ノ針狀突起アリテ下面ニハ長キ三突起ヲ出ス、腹面ニ灰色粉ヲ密布ス、脚ハ黒色、黒毛及ビ白毛ヲ裝ヒ、腿節ニアルモノハ大部白色ナリ、爪ハ黒褐、吸盤ハ黃褐、體長三分七厘、開張六分五厘、此ハ札幌及ビ日光地方ニ普通ナリ、
分布―北海道、本州、歐洲、

(382) さっぽろつるぎあぶ

第二十一圖 (2) (♀)

學名 *Psilocephala sapporensis* Mats.

昆蟲學上ノ地位 劍虻科 (Therevidae)

體ハ黒色、顔ノ兩側ニ白粉ヲ密布シ、口吻ハ暗褐、末端ハ黃褐、觸角ハ黒色、初メノ二節ニ黒毛多ク、第三節ハ初メノ二節ヲ合シタルモノト約同長、角片ハ小サク、胸背ニハ灰白ノ二縱條アリテ、黒毛ヲ具ヘ、兩側及ビ後縁ニハ剛毛アリ、稜狀部ノ後縁ニハ六個ノ剛毛アリテ上向ス、翅ハ稍々透明、少シク灰色ヲ帶ビ、翅底ハ淡黃褐、縁紋及ビ脈ハ暗褐、平均棍ハ暗色、頭狀部末端ノ三分二ハ淡黃褐、腹部ハ細長ニシテ末端少シク細小ス、黒毛ヲ裝ヒ、初メノ三節ノ兩側及ビ後縁(中央ヲ除キ)ニアルモノハ大部白色ナリ、兩側ニ灰白粉ヲ裝フ、腹面ニハ灰白粉多ク、第二及ビ第三腹面節ノ後縁ハ灰黃、脚ハ黒色、黒毛ヲ裝ヒ、前中兩腿節ニハ白毛ヲ混生ス、基節ニハ灰色粉ヲ裝ヒ、白毛ヲ

生ズ、爪ハ黒褐、吸盤ハ灰黄、體長五分、開張九分、此ハ札幌地方ニ稀ナラズ、
分布—北海道(札幌)

Psilocephala sapporensis n. sp. (Pl. XX, Fig. 2, ♀).

Black, with black hairs. Face on the sides whitish pruinose. Proboscis short, at the base white pubescent; at the apex fulvous, cheeks with silvery white hairs. Antennae black, the third joint as long as the first two taken together. Thorax in the middle with 2 grayish stripes, on the sides and scutellum grayish pruinose, the latter at the hind margin with 6 erect bristles. Wings nearly hyaline, grayish, at the bases pale fulvous, veins and stigma fuscous. Halteres fuscous, the knobs at the apical two thirds pale fulvous. Abdomen black, long, at the apex gradually becoming narrower, with black hairs, on the sides grayish white pruinose, the first 3 segments on each side and at the hind margin (except the middle) white pubescent, pygidium in the female at the apex with black (about 10) needle-like projections, at the lower plate with 3 long appendages. Venter grayish white pruinose, the 2nd and 3rd segments each at the hind margin pale fulvous. Legs black, with black hairs, the first 4 femora mingling some whitish hairs, claws dark fuscous, pulvilli dirty yellow.

Length—15 mm.; exp. 27 mm.

Hab.—Hokkaido (Sapporo); not rare.

(383)

あるやまのこねめ

第二十一圖 (3) (♀)

學名 *Thereva maruyamana* Mats.

昆蟲學上ノ地位 劍虻科

體ハ灰白、白粉ヲ密布シ、顔ハ銀白色、白毛ヲ具ヘ、頭頂ハ暗褐ニシテ黒毛ヲ装フ、口下及ビ頬ニハ白毛ヲ具ヘ、後頭ニハ黒毛ヲ生ズ、觸角ハ黒色、灰白粉ヲ密布ス、胸背ニハ白色ノ二縦條アリテ

更ニ其外側及ビ中間ニ暗黄ノ一縦條アレドモ餘リ判然セズ、黒毛ヲ具ヘ、兩側ニハ白毛ヲ生ズ、稜狀部ニハ白毛ヲ具ヘ、後縁ニハ黒色ノ六剛毛アリ、翅ハ透明、少シク灰色ヲ帶ビ、脈及ビ縁紋ハ黄褐、平均棍ハ暗褐、基部ハ黄褐、灰白粉ヲ密布ス、腹部ハ黒色、黒毛ヲ具ヘ、兩側ニ白毛ヲ裝フ、第一節及ビ第二節ノ基部ハ灰色、第二節以下各節後縁ノ兩側ニ白色ノ三角紋アリテ、之レニ白毛ヲ生ズ、但シ第五節以下ハ全部黒毛ヲ生ズ、尾節ハ黒色、其兩側ニ各七個ノ黄褐絲狀突起アリ、腹面ハ灰白、第二及ビ第三節ノ後縁ハ黄褐、脚ハ灰白、基節及ビ腿節ニハ白毛ヲ具ヘ、脛節及ビ跗節ハ灰黄ニシテ黒毛ヲ裝フ、脛節及ビ各跗節端ハ暗色、爪ハ褐色、吸盤ハ灰黄、體長四分、開張七分、此ハ札幌地方ニ稀ナラス、分布—北海道(札幌)。

Thereva maruyamana n. sp. (Pl. XX, Fig. 3, ♀).

Gray, grayish white pruinose. Face silvery white, with white hairs, vertex fuscous, with black hairs. Underside of the mouth and cheeks white pubescented, occiput with black hairs, proboscis brown, short, somewhat hook-like upturned. Antennae fuscous, grayish white pruinose, the first 2 joints with black hairs. Thorax with 2 white longitudinal stripes, black pubescented, on the sides with white hairs. Scutellum white pubescented, at the hind margin with 6 black bristles. Wings hyaline, with a grayish shade, veins and stigma fulvous. Halteres fuscous, at the bases fulvous, grayish white pruinose. Abdomen black, with black hairs, on the sides white pubescented, the first and base of the 2nd segment grayish white, a basal triangular spot on each side of the 2nd to 7th segments white, of which the anterior 3 pairs white and the posterior 3 pairs black pubescented, the 8th segment entirely black, at the apex on each side with 7 fulvous filiform appendages. Venter grayish white, the 2nd and 3rd segments each on its hind margin fulvous. Legs grayish white, coxae and femora with white hairs, tibiae and tarsi dirty yellow,

with black hairs, claws brown, pulvilli dirty yellow.

Length—12 mm.; exp. 27 mm.

Hab.—Hokkaido (Sapporo); not rare.

(384)

いしかりつるぎあぶ

第二十一圖(4)
(♀)

學名 *Thereva ishikariana* Mats.

昆蟲學上ノ地位 劍虻科

體ハ黑色、頭頂ハ光澤アル黑色、前頭ニハ黒毛ヲ具ヘ、顔ニハ白毛ヲ裝フ、口吻ハ暗褐ニシテ上向シ、褐毛ヲ裝フ、觸角ハ黑色、第三節ハ第一節ヨリ短カシ、後頭ニハ黒色ノ剛毛ヲ裝フ、胸背ハ黒褐、中央ニハ灰色ノ二縦條アリテ、其中間ニ細キ黒色ノ一縦條アリ、黒毛ヲ裝ヒ、兩側、後縁及ビ稜狀部ニ黄褐毛アリ、翅ハ半透明、灰褐ヲ帶ビ、縁紋、脈及ビ其周圍ハ暗褐、平均棍ハ黒褐、柄部ノ基半部ハ黄褐、腹部ハ黑色、黒毛ヲ裝ヒ、兩側ニハ黄毛アリ、初メノ三節ノ後縁ニ黄褐毛多ク、第二、第三及ビ第四節ノ後縁ハ黄褐、之レハ後方ニ至ルニ隨ヒ次第ニ其幅ヲ減ズ、尾節ハ光澤ヲ帶ビ、末端ノ兩側ニ黄褐ノ六剛毛アリ、脚ハ黒褐、基節及ビ腿節ニ灰白粉ヲ裝ヒ、脛節末端ヲ除キ及ビ第一跗節(末端ヲ除キ)ハ黄褐、基節ニハ白毛ヲ具ヘ、腿節ニハ黄毛ヲ裝ヒ、脛節及ビ跗節ニハ黒毛ヲ生ズ、爪ハ褐色、吸盤ハ灰黄、體長五分、開張七分、此ハ札幌地方ニ稀ナラズ、分布—北海道(札幌)。

Thereva ishikariana n. sp. (Pl. XX I, Fig. 4, ♀).

Black. Vertex shining, front with black hairs, face densely white pubescent, occiput with black bristles. Proboscis upturned, fuscous, with brownish hairs. Antennae black, the third joint much shorter than the first. Thorax dark fuscous, with black hairs, with 2 grayish stripes, in the middle of which with a black narrow stripe, on the sides and at the hind margin, as well as on the scutellum with short fulvous hairs. Wings subhyaline, with a shade of grayish brown, stigma, veins and their environs fuscous. Halteres fuscous, on the basal halves of the stems fulvous. Abdomen black, with black hairs, on the sides yellowish pubescent, the first 3 segments on each hind margin with fulvous hairs, the 2nd, 3rd and 4th segments each at the hind margin fulvous, which gradually becoming narrower towards the apex. Pygidium shining, on each side with 6 fulvous bristles. Venter grayish white pruinose, the 2nd to 5th segments each at the hind margin fulvous, which gradually becoming narrower towards the apex. Legs fuscous, tibiae and metatarsi, the both except the apices, fulvous, coxae white, femora fulvous, tibiae and tarsi fuscous pubescent, claws brown, pulvilli dirty yellow.

Length—15 mm.; exp. 21mm.

Hab.—Hokkaido (Sapporo); not rare.

(385) ほそむしひね

第二十一圖 (5) (♀)

學名 *Leptogaster basilaris* Coq.

昆蟲學上ノ地位 食蟲虻科

體ハ黑色、觸角ハ暗褐、第二節及ビ第三節ノ基部ハ黃褐、口上毛ハ白色、口吻ハ黑色、其基部及ビ小腮鬚ノ末端ハ黃褐、頰及ビ後頭ニ白毛ヲ裝フ、胸背ニハ白毛ヲ具ヘ、兩側ニハ灰白粉ヲ裝フ、後縁及ビ兩角ハ黃褐、稜狀部ニ黃毛ヲ裝フ、翅ハ透明、少シク黃色ヲ帶ビ、脈及ビ縁紋ハ暗褐、平均

棍ハ灰黄、柄部ハ淡色、腹部ハ黑色、黒毛及ビ白毛ヲ具ヘ、第二節ノ中央並ニ第三及ビ第四節ノ基部ハ黄褐、雄生殖器ノ末端ハ黄褐、兩側ニ黑色ノ鈎様突起アリテ、鈎子様ヲナス、脚ハ黑色、腿節、脛節及ビ第一跗節ノ基部ハ黄色、黒毛及ビ灰黄毛多シ、爪ハ黑色ニシテ頗ル長シ、體長四分五厘、開張五分八厘、此ハ京都地方ニ稀ナラズ、分布—本州(京都、岐阜)、

(386) みのもほそむしひき

第二十一圖 (6) (1)

學名 *Leptogaster minomensis* Mats.

昆蟲學上ノ地位 食蟲虻科

體ハ黄褐、觸角淡黄褐、角片ハ暗色、顔ハ灰白、口吻ノ基部ニ近ク二褐紋アリ、口上毛ハ白色、口吻及ビ小腮鬚ハ黄褐、後頭ハ灰色ニシテ之レニ淡キ黄褐毛アリ、胸背ハ光澤ヲ帶ビ、黒褐ノ三縱條アリテ、兩側ニアルモノハ短カシ、兩側及ビ後縁ニ灰白粉ヲ裝フ、褐色ノ短毛ヲ具ヘ、稜狀部ノ中央ハ暗褐、翅ハ透明、少シク黄色ヲ帶ビ、脈ハ褐色、縁紋ヲ缺ク、平均棍ハ黄白、頭狀部ハ灰黄、柄節ハ頗ル長シ、腹部ハ細長、黒毛ヲ具ヘ、第一節ノ基部、第二節ノ中央、第三、第四及ビ第五節ノ前後兩縁ハ黄褐、第一節ノ後縁及ビ終リノ四節ニ灰白毛ヲ裝フ、腹面ハ大部黄褐、脚ハ黄色、後腿節ノ末端ニアル一環紋並ニ後脛節ノ兩端及ビ跗節ノ末端ハ暗褐、爪ハ黑色、體長四分五厘、開張七分、此ハ初メ大阪箕毛ニテ芝川又之助氏ノ採集セルモノナルガ、其後伊豫荒川重理氏ヨリモ之レ

ヲ得タリ、稀ナルガ如シ、

分布—本州、四國、

Leptogaster minomensis n. sp. (Pl. XXI, Fig. 6, ♂).

Fulvous. Face grayish white, near the base of the proboscis with 2 fuscous spots, mystax white, proboscis and palpi fulvous. Antennae fulvous, styli fuscous. Occiput grayish, with pale fulvous hairs. Thorax shining, with 3 fuscous vitæ, the side ones being shorter and broader, on the sides and at the hind margin grayish white pruinose, with short brown hairs. Wings hyaline, fulvous suffused, veins brown, stigma indistinct. Halteres pale yellowish, the knobs grayish yellow, the stems being very long. Abdomen narrow and long, with black hairs, at the hind margin of the first segment and 4 last segments with pale grayish hairs, base of the first segment, the middle part of the 2nd, as well as the sides of each of the 3rd—5th segments, fulvous; venter largely fulvous. Legs yellowish, with yellowish and brown hairs, a ring spot of the hind femur, both ends of the same tibia, all the knees, as well as the apices of tarsi, fuscous.

Length—13.5 mm.; exp. 21 mm.

Hab.—Honshu (Osaka collected by Mr. M. Shibakawa) and Shikoku (Iyo, collected by Mr. S. Arakawa).

(387)

とつまもんしぎあぶ

第二十一圖(7) (♀)

學名 *Atherix satsumana* Mats.

昆蟲學上ノ地位 蛾虻科 (Lepidae)

體ハ黑色、頭ハ灰白、前頭ハ天鷲絨様ノ黑色、顔ハ灰色、觸角ハ黑色、第三節及ビ端刺ハ褐色、口吻及ビ小腮鬚ハ暗褐、黒毛ヲ装フ、頬ニハ白毛ヲ具ヘ、後頭ニハ黒毛アリ、複眼ハ褐色ヲ帶ブ、肩部、後縁及ビ横皺ノ前方並ニ胸面ニ灰白粉ヲ具ヘ、胸背ニハ黒色ノ短毛ヲ粗生シ、後縁及ビ兩側

ニハ白毛アリ、稜狀部ノ後縁ハ褐色、翅ハ透明、少シク黄色ヲ帯ビ、縁紋ヨリ後縁ニ亘リテ暗褐ノ一大紋アリ、脈ハ暗褐、平均棍ハ黑色、柄部ハ灰黄、腹部ハ黑色ニシテ、黒毛ヲ具ヘ、第一節及ビ第二節ノ兩側並ニ第四及ビ第五節ノ後縁ハ灰白ニシテ、灰白毛ヲ裝フ、腹面ハ黑色、基部ノ兩側及ビ尾端ハ灰黄、灰白毛多シ、脚ハ黑色、黒毛及ビ灰白毛ヲ具ヘ、基節及ビ腿節ニアルモノハ大部灰白ナリ、基節ハ灰白粉ヲ裝フ、腿節基部ヲ除キハ黄色、中後ノ兩脛節及ビ第一跗節ハ灰黄、爪ハ暗褐、吸盤ハ灰黄、體長三分五厘、開張七分、此ハ鹿兒島ニ捕獲セルモノナルガ稀ナラザルガ如シ、分布—九州(鹿兒島)。

Atherix satsumana n. sp. (Pl. XXI, Fig. 7, ♀).

Black. Head grayish white, front velvety black, face grayish, cheeks with grayish white hairs, occiput black pubescent. Proboscis fuscous, with black hairs. Antennae black, the 3rd joint and the arista brownish. Compound eyes coppery brown. Thorax grayish white pruinose, on its back black, humerus, a spot before the suture on the sides and the hind margin of the mesonotum, grayish white pruinose, on the back with short sparse black hairs, on the sides and at the hind margin with whitish hairs. The hind margin of the scutellum brownish. Wings hyaline, with a few grayish tinge, in the middle with a large fuscous spot, stigma and veins fuscous. Halteres black, at the stems testaceous. Abdomen black, mostly with black hairs, the first, the second on the sides, as well as the hind margins of the 4th and 5th segments, grayish pruinose, with the concolorous hairs. Venter fuscous, with grayish hairs, at the base on the sides and at the apex testaceous. Legs black, with black and grayish hairs, the coxae and femora mostly being covered with grayish hairs, femora except the apices yellow, the last 4 tibiae and metatarsi testaceous.

Length—10.5 mm.; exp, 21 mm.

Hab.—Kishuu (Kagoshima); not rare.

(388) はまだらしぎあぶ

第二十一圖 (8) (8)

學名 *Atherix ibis* F.

昆蟲學上ノ地位 鵝虵科

體ハ暗褐、頭ハ灰色、暗褐毛ヲ具ヘ、顔ニハ黃白毛ヲ混シ、頰ノ後方ニアルモノハ全部灰白ナリ。口吻及ビ小腮鬚ハ暗褐ニシテ同色毛ヲ裝フ、觸角ハ褐色、第三節ハ第二節ヨリ小ニシテ、端刺ハ觸角ノ二倍半長アリ、胸背ニハ灰白ノ二縱條ヲ具ヘ、之レハ後縁ニテ少シク擴ガル、灰白毛ト褐毛ヲ混生ス、稜狀部ニアルモノハ大部灰白ナリ、翅ハ半透明、暗褐紋ヲ散在シ、前縁及ビ脈ハ灰黃、但シ末端ニアル脈ハ暗褐、平均棍ハ褐色、柄節ハ灰黃、腹部ハ橙黃色、第一節、第二乃至第四節ノ中央兩側ニアル各一紋、第五節ノ中央帶並ニ第六及ビ第七節ハ黑色、黃毛多シ、兩側ニ少シク褐毛ヲ混ズ、雄ノ生殖器ハ褐毛ヲ具ヘ、末端ニ二個ノ鈎狀突起アリ、脚ハ暗褐、腿節ノ末端、脛節及ビ跗節末端ノ二三節ヲ除キノ大部ハ灰黃、黑色ノ短毛ヲ具ヘ、後肢ハ短大ナリ、體長三分、開張六分、此ハ岐阜地方ニ稀ナラズ、

分布—本州(東京、岐阜、京都)、

(389) ねうすしぎあぶ

第二十一圖 (9) (8)

學名 *Leptis basalis* Mats.

昆蟲學上ノ地位 鵝虵科

體ハ褐色、少シク灰褐粉ヲ裝フ、單眼ハ灰白ニシテ其部分突起ス、複眼ノ外側ニ暗色ノ一溝アリテ上面ニテハ小眼粗大、下面ニテハ小眼微小ナリ、觸角黃褐、端刺ハ觸角ノ約四倍長アリ、口吻ハ暗褐、下面ハ淡黃褐、胸背ノ中央ニハ判然セザル暗色ノ二縱條アリテ、其兩側ニモ亦判然セザル黃色ノ一縱條アリ、肩部及ビ横皺ハ淡色、灰黃ノ短毛ヲ裝フ、翅ハ透明、少シク灰黃ヲ帶ビ、緣紋及ビ脈ハ黃褐、平均棍ハ暗褐、柄部ハ灰黃、腹部ハ褐色、尾端ニ至ルニ從ヒ細小ス、第一節及ビ第二節ノ前緣ハ淡色、褐毛ヲ裝フ、雄生殖器ノ兩端ニ弓狀ヲナセル黃褐ノ一突起アリテ、各末端ニテ近接ス、脚ハ灰黃、脛節及ビ跗節ハ灰色ヲ帶ブ、爪ハ灰黃、末端ハ褐色、吸盤ハ灰黃、體長二分二厘、開張四分八厘、此ハ札幌地方ニ稀ナラズ、分布—北海道(札幌)。

Leptis basalis n. sp. (Pl. XXI, Fig. 9, ♂)

Brown, light grayish brown pruinose. Ocelli grayish white, ocellar region much elevated. Compound eyes in the middle with a fuscous transverse groove, the upper facettes being much larger. Antennae fulvous, the arista somewhat four times as long as the antennae. Proboscis brown, the lower surface being pale fulvous. Thorax with 2 indistinct fuscous stripes, on the sides also with an indistinct fulvous stripe, humeri and the suture pale fulvous, with short testaceous hairs. Wings hyaline, with a testaceous shade, stigma and veins fulvous. Halteres fuscous, at the stem testaceous. Abdomen brown, tapers towards the end, the first and the base of the 2nd segment paler, with short brown hairs, at the tip of the male on sides with a bow-like fulvous appendage. Legs testaceous, tibiae and tarsi with a grayish tinge, claws and pulvilli testaceous, the former at the tips being fuscous.

Length—6.6 mm.; 14.4 mm.

Hab.—Hokkaido (Sapporo); not rare.

(390) やまごしぎあぶ

第二十一圖 (10) (♂)

學名 *Leptis japonica* Mats.

昆蟲學上ノ地位 鵲虻科

體ハ暗褐ニシテ少シク灰色ヲ帶ビ、胸側ニ灰白粉ヲ裝フ、顔ハ灰色、口吻、小腮鬚及ビ觸角ハ黄色、顔ノ兩側及ビ頬ニ灰白毛ヲ裝フ、複眼ハ栗色、單眼ハ灰白、胸背ニ灰白ノ短毛ヲ粗生シ、肩部ハ黄色、中央ニ灰色ノ二縦條アレドモ判然セズ、兩側ニ灰色粉ヲ裝フ、中胸背ノ後緣角ハ黄褐、稜狀部ハ栗色、黄褐毛多シ、翅ハ大ニシテ透明、少シク黄色ヲ帶ビ、末端ニ至ルニ隨ヒ少シク暗色ヲ帶ブ、緣紋及ビ脈ハ暗褐、平均棍ハ淡黄ニシテ長シ、腹部ハ黄色、尾端ノ三節ヲ除キ各節ノ背上ニアル一紋及ビ兩側ノ一縦條ハ黒褐、第五節ノ腹面、第六節及ビ第七節并ニ生殖器ハ暗褐、灰白ノ短毛多シ、雄ノ生殖器ノ末端并ニ三突起ハ黄褐、脚ハ黄色、轉節及ビ腿節ノ接合部ニ黒色ノ一横紋アリ、黒色ノ短毛ヲ具ヘ、跗節端ハ少シク暗色ヲ帶ブ、體長五分、開張一寸一分、之ハ播州地方ニ稀ナラズ、分布—本州播州、

Leptis japonica n. sp. (Pl. XXI, Fig. 10, ♂).

Grayish fuscous, pleurae grayish white pruinose. Face grayish, with white hairs, proboscis, palpi and antennae yellowish. Compound eyes chestnut brown, vertex fuscous, ocelli grayish white. Thorax with short sparse whitish hairs, in the middle with 2 very indistinct grayish stripes, on the sides grayish pruinose, humeri testaceous, the hind angles of the mesonotum fulvous, scutellum brown, with fulvous hairs. Wings hyaline, with a yellowish tinge, towards the apex scarcely infuscated.

Halteres pale yellowish and long. Abdomen yellowish, except the apical 3 segments (which are fuscous), a spot on each segment and a broad stripe on each side, as well as the venter of the 5th segment, fuscous. Genital segment of the male at the apex and its 3 small projections, fulvous. Legs yellowish, with short black hairs, a small transverse spot on the junction of the femora and trochanter black, tarsi towards the apices with fulvous hairs, claws fulvous, at the apices black.

Length—15 mm.; exp. 33 mm.

Hab.—Honshu (Harima).

(391) きいろしぎあぶ

學名 *Leptis flavimedia* Coq.

昆蟲學上ノ地位 鵲虻科

頭ハ暗褐、顔ハ灰色、口吻、小腮鬚及ビ觸角ハ黄色、小腮鬚及ビ頬ノ毛ハ黄白、後頭ニ黑色ノ短毛ヲ生ズ、胸部ハ黄褐、中胸背ハ兩側及ビ後縁ヲ除キ灰色、黒毛ヲ具ヘ、兩側ニハ黄毛ヲ混ズ、翅ハ透明、少シク黄褐ヲ帶ビ、末端少シク暗色ヲ呈ス、縁紋ハ暗褐、脈ハ黄褐、末端ニテ暗褐ヲ帶ブ、平均棍ハ淡黄、腹部ハ黄色、黒毛ヲ裝ヒ、基部及ビ兩側ニハ黄毛ヲ混ズ、第四及ビ第五節ノ兩側ニ暗褐紋ヲ裝フ、第六節(後縁ヲ除キ)及ビ第七節ハ全部暗褐、雄ノ生殖器ニアル中央ノ突起ハ黄色、脚ハ黄色、前後ノ兩跗節并ニ基節ヲ除キタル中跗節ハ褐色、體長二分六厘、開張五分、此ハ東京地方ニ稀ナラズ、

分布—本州(東京、岐阜)、

第二十一圖 (11) (18)

(392) さんじょうだけしぎあぶ

第二十一圖 (12) (♀)

學名 *Leptis sanjodakeana* Mats.

昆蟲學上ノ地位 鵝虵科

體ハ灰黃、胸側ハ黃白、頭ハ黑色、顔ノ球狀突起、口吻及ビ小腮鬚ハ黃白、觸角ハ灰黃、端刺ハ暗褐ニシテ長ク、之レニ同色ノ短毛多シ、頰ニハ白毛ヲ裝ヒ、後頭ニハ黒毛多ク、胸背ノ中央ハ暗褐、前縁ニ褐色ノ三縱紋アリ、黃白ノ短毛ヲ裝ヒ、兩側及ビ稜狀部ニ暗褐毛アリ、翅ハ透明、少シク灰黃ヲ帶ビ、脈ハ黃褐、縁紋ハ暗色、平均棍ハ暗褐、柄節ハ淡黃、腹部ハ灰黃、第二節ノ中央帶、第三及ビ第四節ノ基節並ニ尾端ノ三節ハ暗褐、黒毛ヲ裝ヒ、兩側ニ黃白毛ヲ混ズ、脚ハ黃白、脛節及ビ跗節ハ灰黃、基節ニ白毛ヲ具ヘ、腿節ニ黃白毛ト褐毛ヲ混シ、脛節及ビ跗節ニハ黑色ノ短毛多シ、爪ハ褐色、體長二分二厘、開張五分、此ハ一色周知氏ノ大和三條ヶ岳ニテ捕獲セルモノナルガ又函根地方ニモ稀ナラズ、分布—本州大和、函根、

Leptis sanjodakeana n. sp. (Pl. XXI, Fig. 12, ♀).

♀ Testaceous, thorax on the sides pale yellowish. Head black, a globular projection of the face, proboscis and palpi, pale yellowish, cheeks with whitish hairs. Antennae testaceous, the arista long and fuscous, with the concolorous short hairs. Occiput with black hairs. Mesonotum in the middle fuscous, 3 longitudinal spots at the anterior margin brownish, with short pale yellowish hairs, on the sides and scutellum with fuscous hairs. Wings hyaline, with a light testaceous tinge, veins fulvous,

stigma pale fuscous. Halteres fuscous, at the stem pale yellowish. Abdomen testaceous, the middle band of the 2nd segment, the bases of the 3rd and 4th, as well as the apical 3 segments, fuscous, with short black hairs, on the sides mingling some pale yellowish hairs. Legs pale yellowish, tibiae and tarsi testaceous, coxae white, femora with pale yellowish and brownish hairs, tibiae and tarsi short black pubescent, claws brown.

Length—6.6 mm.; exp. 15 mm.

Hab.—Honshu (Yamato and Hakone); collected by Mr. S. Isshiki and the author.

(393) まへぐろしぎあぶ

第二十一圖 (13) (♂)

學名 *Leptis costimacula* Mats.

昆蟲學上ノ地位 鵝虵科

體ハ黑色、顔ニ灰白粉ヲ装フ、觸角ハ黄色、第一節ハ黄褐、端刺ハ基部ヲ除キ褐色、口吻ハ淡褐、褐毛ヲ具ヘ、小腮鬚ハ黄白ニシテ同色毛ヲ装フ、胸背ニ黄褐毛ヲ具ヘ、灰色ノ二縦條アリテ後縁ニハ灰白粉ヲ具ヘ、尙兩側ニモ灰白粉ヲ装フ、肩部ハ灰黄、翅ハ透明、前縁ハ廣ク黑色、之レヨリ同色ノ二帶ヲ生ジ、内方ニアルモノハ短カク、其内側ニ白色ノ部分アリ、脈ハ黄褐、黑色ノ部分ニアアル脈ハ暗褐、平均棍ハ黄白、腹部ハ黑色、初メノ三節ハ黄白、半透明、黒毛ヲ装ヒ、基節及ビ兩側ニアルモノハ黄色、雄生殖器ノ兩側ニ灰黄ノ一鈎狀突起アリテ内方ニ彎曲ス、脚ハ黄色、基節、轉節、後腿節(基部ヲ餘キ)、同脛節ノ末端及ビ同跗節(基部ヲ餘キ)ハ黑色、尙前腿節ノ中央及ビ同跗節基部ヲ除キ)ハ暗褐、爪ハ黄褐、末端ハ黒褐、吸盤ハ灰白、體長三分二厘、開張六分、此ハ京都ニテ野平安藝雄氏ノ採集セルモノナリ、

分布—本州京都

Leptis costimacula n. sp. (Pl. XXI, Fig. 13, ♂).

Back. Face grayish white pruinose. Antennae yellowish, the first joint fulvous, the arista except the base brownish, proboscis pale brownish, with brown hairs, palpi pale yellowish, with the concolorous hairs. Thorax with 2 grayish stripes, on the hind margin and on the sides grayish white pruinose. Humeri testaceous. Wings hyaline, costa broadly fuscous, sending 2 transverse bands towards the hind margin, of which the inner one being shorter and at the inner side provided with a whitish space, veins fulvous, which being darker on the fuscous ground. Halteres pale yellowish. Abdomen black, the first 3 segments pale yellowish, somewhat translucent, with black hairs, on the sides mingling some yellowish hairs; genital organ of the male on each side with a testaceous hook-like appendage. Legs yellow, coxae, trochanter, the hind femora (except bases), the same tibiae at the apices and the same tarsi (except bases), black, the front femora in the middle and the same tarsi except the bases, fuscous. Claws fulvous, at the apices fuscous, pulvilli grayish white.

Length—9.6 mm.; exp. 18 mm.

Hab.—Hanshu (Kyoto); collected by Mr. S. Nohira.

(394)

からふかしごあぶ

第二十一圖 (14) (♂)

學名 *Leptis karafutonis* Mats.

昆蟲學上ノ地位 鵝虻科

體ハ暗褐、顔ニハ灰白粉ヲ装ヒ、白毛ヲ生ズ、口吻ハ褐色、小髭鬚ハ黄色ニシテ黄白毛ヲ装フ、觸角ハ暗翅、胸背ニハ灰白粉ヲ装ヒ、黄褐毛ヲ粗生ス、肩部及ビ中胸背ノ後縁角並ニ稜狀節基節ヲ除キハ黄褐、翅ハ透明、少シク暗黄ヲ帯ビ、縁紋ハ暗褐、脈ハ灰黄、平均棍ハ灰黄、腹部ハ黄色、第

二乃至第四節ノ背上ニ三角形ノ一黒紋ヲ具ヘ、第五及ビ第六節(後縁ヲ除キ)並ニ第七節ハ黒色、雄ノ生殖器ハ黒色、兩側ニ灰黄ノ鈎狀突起アリテ内方ニ彎曲シ、中央ノ突起モ亦灰黄ナリ、灰黄毛ヲ装フ、脚ハ黄色、基節及ビ轉節ハ黒色ニシテ白毛ヲ具ヘ、灰白粉ヲ装フ、腿節ノ末端ニ近キ一紋ハ暗褐、脛節ノ末端及ビ跗節ハ褐色、暗褐ノ短毛ヲ装フ、爪ハ黄白、末端ハ黒色、體長二分二厘、開張五分、此ハ樺太大泊ニテ採集セルモノナルガ稀ナラズ、分布—樺太大泊)。

Laptis karafutonis n. sp. (Pl. XXI, Fig. 14, ♂).

Fuscous. Face grayish white pruinose, with whitish hairs. Proboscis brown, palpi yellow, with pale yellowish hairs. Antennae fuscous. Thorax grayish white pruinose, with sparse short fulvous hairs, humeri, the hind angles of the mesonotum and the scutellum (except base) fulvous. Wings hyaline, with a few dirty yellowish shade, stigma fuscous, veins testaceous. Halteres testaceous. Abdomen yellow, the 2nd to 4th segments each in the middle with a triangular black spot, the 5th and 6th (except the hind margins), as well as 7th, black. Genital organ of the male black, on each side with a testaceous hook-like appendage, the middle projection also being testaceous. Legs yellow, coxae and trochanter black, with white hairs, grayish pruinose, femora near the apices fuscous, tibiae at the apices and tarsi brown, with short fuscous hairs. Claws pale yellowish, at th: apices black.

Length—6.6 mm.; exp. 1.5 mm.

Hab.—Saghalien (Odomari); collected by the author, not rare.

(395)

あらかはしやめ

第二十一圖 (15) (♀)

學名 *Dialysis* Arakawae Mats.

昆蟲學上ノ地位 鵝虵科

體ハ黃褐、頭ハ黑色、觸角ハ黃色、端刺ハ暗褐、口吻ハ黃褐、頰ニハ黃白毛ヲ裝フ、複眼ハ黑色、胸部ニハ灰黄ノ短毛ヲ具ヘ、肩部ハ淡黃褐、稜狀部兩側ノ基部ハ暗褐、翅ハ透明、淡黃褐ヲ帶ビ、脈ハ淡黃褐、緣紋ハ暗褐、平均棍ハ黃白、腹部ハ暗褐、各節ノ後緣及ビ其兩側ハ黃褐、但シ第一節ノ兩側ハ全部黃褐、黃褐ノ短毛ヲ裝ヒ、兩側ニアルモノハ少シク長シ、腹面ノ大部ハ黃褐、脚ハ黃色、跗節ハ暗褐、但シ後跗節ハ初二節ノ末端ヲ除キ黃色、暗褐ノ短毛ヲ裝フ、爪ハ黑色、吸盤ハ灰色、體長四分、開張七分六厘、此ハ伊豫ニテ荒川重理氏ノ採集セルモノナルガ、七月下旬函根地方ニモ稀ナラズ、

分布—本州(函根)、四國(伊豫)。

Dialysis Arakawae n. sp. (Pl. XXI, Fig. 15, ♀).

Fulvous, head black. Antennae yellow, the arista fuscous. Proboscis fulvous, cheeks with pale fulvous hairs. Thorax with short testaceous hairs, humeri pale fulvous. Scutellum on the sides at the base fuscous. Wings hyaline, with a fulvous tinge, veins fulvous, stigma fuscous. Halteres pale yellowish. Abdomen fuscous, each segment at the hind margin and on its sides fulvous, the first segment on the sides being entirely fulvous, with short fulvous hairs. Legs yellow, tarsi fuscous, only the middle and hind tarsi, except the apices, yellowish, claws black, pulvilli grayish.

Length—12 mm.; exp. 22.8 mm.

Hab.—Honshu (collected by the author in Hakone); Shikoku (collected by Mr. S. Arakawa).

(396) ねうすをごりはい

第二十一圖 (16) (♀)

學名 *Empis flavobasalis* Mats.

昆蟲學上ノ地位 舞蠅科

體ハ黑色、頭ハ灰黒、黒毛ヲ裝フ、小腮鬚ハ黄褐ニシテ黒毛ヲ裝ヒ、口吻ノ上面褐色、下面黑色ニシテ頗ル長ク、前肢ノ基節外ニ達ス、觸角黑色、第二節ノ末端ハ黄褐、角片ノ末端ハ褐色、胸部ノ中央ニ灰色ノ二縦條ヲ具ヘ、兩側ニハ灰白粉ヲ裝フ、黒毛多ク、兩側ニハ剛毛多シ、肩部ノ後縁尾門ノ直上ハ赤褐、氣門ハ黄褐、後縁角ハ少シク黄褐ヲ帶ブ、翅ハ半透明、暗黄、翅底及ビ前縁ノ半部ハ黄色、脈ハ淡黄褐、縁紋ハ暗褐、平均棍ハ淡黄、腹部ノ兩側ニ灰色粉ヲ具ヘ、黒毛ヲ粗生ス、第一及ビ第二腹面節ノ兩側ハ灰黄、脚ハ黑色、黒毛ヲ具フ、爪ハ黄褐、末端ハ暗褐、吸盤ハ灰黄、體長三分七厘、開張八分、此ハ札幌地方ニ普通ナリ、分布—北海道(札幌)。

Empis flavobasalis n. sp. (Pl. XXI, Fig. 16, ♀).

Black. Head grayish fuscous, with black hairs, especially on the occiput. Palpi fulvous, with black hairs, proboscis above brownish, beneath black, very long, reaching beyond the anterior coxae. Antennae black, the first 2 joints with black hairs, the second at the tip fulvous, styli at the apices brownish. Thorax in the middle with 2 grayish stripes, on the sides grayish pruinose, humerus on the hind margin and the posterior angles of the mesonotum reddish brown, stigmata testaceous, black pubescent, on the sides with the cocolorous bristles. Wings subhyaline, dirty yellow, at the base and the costa on the basal half

yellowish, veins pale fulvous, stigma fuscous. Halteres pale yellowish. Abdomen on the sides grayish pruinose, with black hairs, the 2nd and 3rd ventral segments on the sides narrowly testaceous. Legs black, with black hairs, claws fulvous, at the apices fuscous, pulvilli grayish yellow.

Length—11 mm.; exp. 24 mm.

Hab.—Hokkaido (Sapporo); common.

(397)

せぐろほそをどりばい

第二十一圖 (17) (♂)

學名 *Rhamphomyia sapporensis* Mats.

昆蟲學上ノ地位 舞蠅科

體ハ灰色、顔ハ光澤アル黑色、口吻ハ長ク暗褐、末端ハ黃褐、小腮鬚ハ橙黄色、暗褐毛ヲ装フ、觸角ハ橙黄色、第三節ハ基部ヲ除キ暗褐、後頭ニ黒毛ヲ粗生ス、胸部ニ三黒條ヲ縦走シ、何レモ後縁ニ達セズ、中央ニアルモノハ細シ、肩部及ビ後縁角ハ淡黃褐、黒毛ヲ粗生ス、稜狀部ニ黑色ノ剛毛ヲ装フ、翅ハ透明、少シク灰色ヲ帶ビ、前縁ハ黄色、脈ハ黃褐、縁紋及ビ翅端ノ前縁ハ暗色、平均棍ハ黄白、腹部ハ淡黃褐、背線及ビ腹面ノ中央條ハ暗色、各節ノ接合部ニテ遮斷セラル、黒毛多シ、雄ノ生殖器ハ大ニシテ上方ニ曲リ、下板ハ黑色ニシテ中央ニテ稍々直角ヲナシテ上方ニ曲ル、上板ハ尾節ニ直角ヲナシテ上方ニ曲リ、黄褐ニシテ兩側ニ椀形ノ各一附屬物ヲ有ス、後縁ニ褐色ノ長毛多シ、脚ハ黄色、後肢頗ル長ク、腿節及ビ脛節ノ末端並ニ跗節ハ暗褐、黒毛多シ、爪ハ黃褐、末端ハ暗褐、吸盤ハ灰白、體長二分三厘—二分五厘、開張六分—七分、此ハ札幌地方ニ普通ナリ、

分布—北海道、札幌

Rhamphomyia sapporensis n. sp. (Pl. XXI, Fig. 17, ♂).

Gray. Face shining black, occiput with few black hairs. Proboscis fuscous, at the apex fulvous. Palpi orange yellow, with fuscous hairs. Antennae orange yellow, with fuscous hairs, the third joint except the base and styli fuscous. Thorax black pubescent, with black stripes, which not reaching to the hind margin, the middle one being somewhat narrower. Humeri and the posterior angles of the mesonotum fulvous. Wings hyaline, with a grayish shade, at the costa yellowish, veins pale fulvous, stigma and apicocostal margin fuscous. Halteres pale yellowish. Abdomen pale fulvous, dorsal and ventral stripes fuscous, which being interrupted at the junctions, with black hairs. Genital organ of the male black, the lower plate fuscous, which in the middle being broken in a right angle and upturned, the upper plate fulvous, on each side provided with a cup-like appendage, on the hind margin with brown hairs. Legs yellow, black pubescent, the apices of the femora and tibiae, as well as the tarsi fuscous, claws fulvous, at the apices fuscous, pulvilli grayish white.

Length—7—7.5 mm.; exp. 18—21 mm.

Hab.—Hokkaido (Sapporo); common.

(398)

あしぶつをがらびい

第二十一圖 (18) (♀)

學名 *Empimorpha plumipes* Mats.

昆蟲學上ノ地位 舞蠅科

體ハ灰褐、頭小、口吻ハ長大ニシテ後肢ノ基節ニ達シ、小腮鬚ハ黃色、末端ハ少シク褐色ヲ帶ブ、觸角ハ黑色、同色毛ヲ裝フ、胸部ハ大、褐色ノ四縱條ヲ具ヘ、中央ニアルニ條ハ後方ニ至リテ兩側ニ開ク、黒毛ヲ裝フ、中胸背ノ後縁及ビ稜狀部ニ灰色粉多シ、翅ハ透明、少シク黃褐ヲ帶ビ、脈ハ

褐色、前縁及ビ第三脈ノ基部ハ暗褐、平均棍ハ黄褐、腹部ハ暗褐ニシテ黄褐及ビ暗褐毛ヲ装フ、脚ハ淡黄褐、中後ノ兩腿節及ビ脛節ニ羽狀ノ暗褐毛ヲ装フ、爪ハ黄褐、末端ハ暗褐、吸盤ハ灰白、體長二分五厘、開張五分、此ハ京都ニテ鈴木元治郎氏ノ採集セルモノナリ、分布—本州(京都)。

Empimorpha plunipes n. sp. (Pl. XXI, Fig. 18, ♀).

Grayish brown, grayish pruinose. Head small, proboscis very long, reaching to the hind coxae. Palpi yellowish, at the apices brownish. Antennae black, with black hairs. Thorax broad, black pubescent, with 4 fuscous stripes, the middle 2 diverging at the posterior margin; the hind margin of the mesonotum and the scutellum densely grayish pruinose. Wings hyaline, with a fulvous shade, veins brownish, costa and the third vein at the base fuscous. Halteres fulvous. Abdomen fuscous, with fulvous and fuscous hairs. Legs pale fulvous, the middle and posterior femora and tibiae on both ends with fuscous fringes, claws fulvous, at the apices fuscous, pulvilli grayish white.

Length—7.5 mm.; exp. 15 mm.

Hab.—Honsu (Kyoto); collected by Mr. M. Suzuki.

(399)

せだかまだらをぢりばい

第二十一圖 (19) (♂)

學名 *Hilarimorpha maculata* Mats.

昆蟲學上ノ地位 舞蠅科

體ハ暗褐、複眼ハ赤褐、觸角ハ黄白、初メノ二節ニ暗褐毛ヲ装フ、口吻ハ淡黄、小腮鬚ハ黄白、暗褐毛ヲ装フ、胸背ハ球形ニ膨起シ、暗褐毛ヲ具ヘ、灰白粉ヲ装フ、肩部及ビ後縁角ハ黄褐、稜狀部

ノ周圍ハ黃褐、翅ハ半透明、灰黃ヲ帶ビ、緣紋及ビ其直下ノ一紋並ニ橫脈ハ暗褐、脈ハ淡黃褐、平均棍ハ暗褐、柄部ハ淡黃、腹部ハ細長、淡黃毛多ク、接合膜ハ灰白、雄ノ生殖器ハ延長シ、側面ヨリ見ルトキハ鈍キ圓錐形ヲ呈ス、脚ハ黃色、前後ノ兩腿節及ビ脛節ノ基部ニ近キ一紋ハ暗褐、同腿節ノ末端ニ近ク一黃紋アリ、暗褐及ビ黃褐毛ヲ裝フ、爪ハ黃色、末端ハ暗褐、吸盤ハ灰白、體長一分三厘、開張三分、此ハ京都鈴木元治郎氏ノ採集ニ係ルモノナリ、
分布—本州(京都、東京)。

Hilarimorpha maculata n. sp. (Pl. XXI, Fig. 19, ♂).

Fuscous. Compound eyes reddish brown, ocelli grayish, situated upon the elevated vertex. Antennae yellowish, white, the first 2 joints with fuscous hairs. Proboscis pale yellowish, palpi yellowish white, with fuscous hairs. Thorax nearly globular, with fuscous hairs, grayish pruinose, humeri and the posterior angles of the mesonotum fulvous, scutellum on the surrounding margins paler. Wings subhyaline, with a light testaceous ting³; stigma and a spot just below it and the cross-veins, fuscous, veins pale fulvous. Halteres fuscous, the stem pale yellowish. Abdomen long, linear, with long pale fulvous hairs, connexivum grayish white, the genital organ of the male elongated, seen from the side blunt conical. Legs yellowish, with fuscous and fulvous hairs, the anterior and posterior femora and each spot near the bases of the same tibiae, fuscous, near the apex of each femur with a yellowish spot; claws fulvous, at the apices fuscous, pulvilli grayish white.

Length—4 mm.; exp. 9 mm.

Hab.—Honshu (Tokyo and Kyoto).

(400)

ねぐろくちむし

第二十一圖 (20) (♀) (21) (♂)

學名 *Coenomyia basalis* Mats.

昆蟲學上ノ地位 臭虻科 (Coenomyiidae)

體ハ黃褐、複眼ハ黑色、之レニ淡黃褐毛ヲ粗生ス、頭頂ハ黑色、顔ハ凹陷シ、小腮鬚ノ末端ハ少シク暗色ヲ帶ビ、黃褐色多シ、觸角ハ少シク淡色、胸背ニハ黃褐毛多ク、後縁ニ近ク兩側ニ暗褐ノ一紋アリ、稜狀部ニ淡黃褐ノ二齒狀突起アリテ少シク外方ニ曲ル、翅ハ半透明、黃褐ヲ帶ビ、後縁及ビ末端ニテ淡色、縁紋ハ褐色、脈ハ黃褐、平均棍ハ黃白、腹部ハ橢圓形ニシテ廣ク、第一節前縁及ビ兩側ヲ除キ及ビ第二節ノ中央ハ黑褐、後者ノ兩側ニ黃白ノ大紋アリ、淡黃褐ノ短毛多シ、腹面ニハ灰色粉ヲ具ヘ、初メノ三節ノ兩側ニ暗褐ノ判然セザル一紋アリ、脚ハ黃褐、爪ノ末端ハ黑色、雄ハ全體暗褐ニシテ第二腹節ノ兩側ニ黃紋アリ、體長六分—八分、開張一寸二分—一寸六分、此ハ六月下旬札幌地方ニ稀ナラズ、分布—北海道(札幌)。

(附言) 拙著昆蟲分類學下卷 p. 47 十四行ニアルハキチクニあぶハ此雄ナルヲ以テ爰ニ訂正ス。

Coenomyia basalis n. sp. (Pl. XXI, Fig. 20, ♀, Fig. 21, ♂).

♀ Fulvous. Vertex fuscous, compound eyes black, with long tawny hairs. Face somewhat concave, palpi at the apices fuscous, proboscis and antennae pale fulvous. Thorax with fine tawny hairs, near the hind margin of the mesonotum on each side with an indistinct large fuscous patch. Scutellum with 2 pale fulvous tooth-like projections, each somewhat bending outwardly. Wings subhyaline, fulvous, at the outer and hind margins paler, stigma brownish, veins fulvous. Halteres pale yellowish. Abdomen oblong, with a few tawny hairs, the first segment, except the anterior and side margins, and the second in the middle fuscous, the latter on each side with a large pale yellowish patch. Venter grayish pruinose, the first 3 segments on each side with an indistinct fuscous spot. Legs fulvous, with the concolorous hairs, claws on the apical halves black. In the male

fuscous, the 2nd abdominal segment on each side with a pale fulvous spot.

Length—♂♀ 18—24 mm.; exp. 36—48 mm.

Hab.—Hokkaido (Sapporo); not rare in the latter part of June.

(401) ひげながきあぶ

第二十一圖 (22) (♀)

學名 *Xylomyia longicornis* Mats.

昆蟲學上ノ地位 木虻科 (*Xylophagidae*)

體ハ黑色、觸角ハ黄色ニシテ十節ヨリ成リ、基部ノ二節ヲ除キ後側面ハ暗褐、末端ニ至ルニ隨ヒ暗褐ノ部分ヲ増シ、第一節ニテ全部暗褐ヲ呈ス、口吻及ビ小腮鬚ハ橙黄色、口吻ノ兩側ニアル一縱條及ビ小腮鬚ノ基部ハ暗色、胸部ハ黃褐ノ短毛ヲ裝ヒ、前後兩角ハ暗褐ニシテ、氣門黃褐、稜狀部ハ淡黃褐ニシテ基部ハ暗褐、翅ハ透明、黄色ヲ帶ビ、前縁ノ半ニテ少シク濃色ナリ、脈ハ暗褐、平均棍ハ淡黃、腹部ハ細長、第一節ノ兩側紋ハ淡黃褐、初メノ四節ノ後縁ハ細ク黄色、暗黃ノ短毛ヲ裝ヒ、第一節ノ基部ニアルモノハ長シ、腹面ユテハ第一節ノ前縁、第二節及ビ各節ノ後縁並ニ接合膜ハ灰黃、脚ハ暗褐、轉節、前中兩腿節ノ後方及ビ末端并ニ同脛節及ビ跗節ノ基部黄色、後腿節ノ中央ニアル一紋、脛節ノ末端及ビ跗節末端及ビ基部ヲ除キハ黄色、黒毛及ビ黃褐毛ヲ裝フ、爪ハ黃褐、末端ハ暗色、吸盤ハ黃白、體長四分五厘、開張九分、此ハ六月中旬札幌地方ニ稀ナラズ、分布—北海道(札幌)。

Xylomyia longicornis n. sp. (Pl. XXI, Fig. 22, ♀).

Black. Antennae yellow, except the first 2 joints, on the back fuscous, the fuscous part becoming broader towards the apex and the apical joint becoming entirely black. Proboscis and palpi orange yellow, the former on each side with a fuscous stripe, the latter at the base fuscous. Thorax with a few short tawny hairs, the anterior and posterior angles fuscous, stigmata fulvous. Scutellum pale fulvous, at the base fuscous. Wings hyaline, with a yellowish tinge, on the costal half deeper in color. Halteres pale yellowish. Abdomen narrow, a side spot of the first segment pale fulvous, the first 4 segments on each hind margin narrowly yellowish; the first (except the hind margin) and second ventral segments, each hind margin narrowly, as well as the connexivum, testaceous. Legs fuscous, trochanter, the back and apices of the anterior four femora, the tibiae and the bases of the tarsi of the same, a middle spot of the hind femur, the apex of the same tibia, as well as the tarsi (except both ends) yellowish. Claws fulvous, at the apices fuscous, pulvilli pale yellowish.

Length—13.5 mm.; exp. 27 mm.

Hab.—Hokkaido (Sapporo); not rare in the middle of June.

(402)

ほしきあぶ

第二十一圖 (23) (♀)

學名 *Xylophagus maculatus* Mats.

昆蟲學上ノ地位 木虻科

體ハ黑色、頭ハ光澤ヲ帶ビ、頭頂ノ周圍ニ灰色粉ヲ裝フ、觸角ハ黑色ニシテ第一節ハ他ヲ合シタルモノ、半長以上アリ、第二節ハ稍々球形、第三節ハ長クシテ八節ヨリ成リ、末端ニ至ルニ從ヒ次第ニ細小ス、口吻ハ褐色、小腮鬚ハ暗褐、胸背ニ灰色粉多ク、中央及ビ兩側ニ光澤アル黒縦條アリ、稜狀部ノ後縁及ビ下面ハ灰黄、翅ハ稍々透明、少シク灰黄ヲ帶ビ、縁紋及ビ直下ノ一紋ハ暗色、縁

紋ノ内側ニ一黄白紋アリ、脈ハ暗褐、中室ノ基部及ビ之レト相連續セル中脈ノ末端ハ白色、平均棍ハ淡黄褐、腹部ハ光澤アル黑色、同色毛ヲ装ヒ、産卵管ハ灰黄、脚ハ暗褐、轉節ノ腿節及ビ脛節ノ兩端並ニ跗節末端ノ二節ヲ除キハ黄色若クハ黄白色、黄褐ノ短毛ヲ装フ、爪ハ黑色、吸盤ハ灰白、體長四分五厘、開張一寸、此ハ六月上旬日光地方ニ稀ナラズ、分布—本州(日光中禪寺)。

Xylophagus maculatus n. sp. (Pl. XXI, Fig. 23, ♀).

Black. Head shining, around the ocellar region grayish pruinose. Antennae black, with black hairs, proboscis brownish, palpi fuscous. Thorax grayish pruinose, in the middle and on the sides with 4 black stripes. Scutellum at the hind margin and beneath dirty yellow. Wings subhyaline, with a testaceous tinge, stigma and a large patch below it dark fuscous, a pale yellow spot on the inner side of the stigma, veins fuscous, the base of the discoidal cell and the apex of the middle vein (which opens to the discoidal cell) whitish. Halteres pale fulvous. Abdomen shining black, with short black hairs, ovipositer dirty yellow. Legs fuscous, trochanter, both ends of the femora and tibiae, as well as the tarsi (except 2 apical joints) yellow or pale yellowish, with short fulvous hairs, claws black, pulvilli grayish white.

Length—13.5 mm.; exp. 30 mm.

Hab.—Honshu (Nikko); not rare in the first part of June.

(403)

からぶつおむしおむしお

第二十一圖

(♀)

學名 *Arthropes sachalinensis* Mats.

昆蟲學上ノ地位 木虱科

體ハ灰色、頭ニハ絹様ノ光澤ヲ帶ビ、淡黃褐毛多シ、複眼ハ赤褐、觸角、小腮鬚及ビ口吻ハ黃褐、觸角ノ第三節ハ八節ヨリ成リ、恰モ胡蘿蔔ノ如キ觀ヲ呈シ、末端節ハ他節ヲ合シタルモノト同長、胸背ニハ黑褐ノ短毛ヲ裝ヒ、三個ノ暗色縱條ヲ具ヘ、兩側ニアルモノハ前縁ニ、中央ニアルモノハ後縁ニ達セズ、中央線ノ中央ニ更ニ灰色ノ一細線アリテ之レヲ二分ス、稜狀部ノ基部ハ暗色ヲ帶ブ、翅ハ半透明、中央及ビ翅端ニ近ク暗色紋ヲ具ヘ、脈ハ黃褐、縁紋ハ暗褐、平均棍ハ橙黃色、腹部ハ黑色、各節後縁ハ黃褐ニシテ更ニ其末端ハ淡色ナリ、後方ニ至ルニ從ヒ其幅ヲ増シ、第五節ニテ全部黃褐トナル、腹面ハ黃褐、第一及ビ第二節ノ後縁ハ黃白、脚ハ橙黃色、跗節ノ末端ハ暗褐、黃褐ノ短毛ヲ具ヘ、跗節ニハ黑毛アリ、爪ハ暗褐、其基部及ビ吸盤ハ黃褐、體長四分、開張八分、此ハ八月下旬樺太大谷ニテ捕獲セルモノナルガ稀ナラザルガ如シ、
分布—樺太(大谷)。

Arthropoas sachalinensis n. sp. (Pl. XXI. Fig. 24, ♀).

Grayish, with pale fulvous hairs. Head with a silky luster, compound eyes reddish brown, antennae, palpi and proboscis fulvous. The third joint of the antennae 8 jointed, carrot-shaped, the apical joint nearly the same length with the remaining subjoints taken together. Thorax with 3 fuscous stripes, the lateral ones not reaching to the anterior margin, while the middle one not reaching to the hind margin, the middle one in the middle with a narrow grayish stripe. Scutellum at the base somewhat infuscated. Wings subhyaline, in the middle and near the apex each with a large fuscous patch; veins fulvous, stigma fuscous. Halleres orange yellow. Abdomen black, each segment on the hind margin fulvous, at the extreme apex being somewhat paler, the end becoming gradually broader towards the apex, the fifth segment entirely fulvous. Venter fulvous, the first and second segments on each hind margin pale yellowish. Legs orange yellow, with short fulvous hairs, tibiae at the apices

fuscos, with the concolorous hairs, claws fuscous, their bases and pulvilli fulvous.

Length—12 mm.; exp. 24 mm.

Hab.—Saghalien (Otan); not rare in the latter part of August.

(404) こがたのみづあぶ

學名 *Odontomyia staurophora* Schin.

昆蟲學上ノ地位 水虻科 (Stratiomyidae)

體ハ綠色、頭ハ黃色ニシテ少シク綠色ヲ帶ブ、頭頂ニ暗褐ノ三紋アリテ三角形ニ排置セラル、黑色ノ短毛ノ具へ、複眼ノ内側ニアル紋上ニハ黃毛アリ、顔ニハ短カキ黃毛ヲ裝フ、觸角ハ淡黃褐、第三節ハ暗褐、口吻ハ褐色、小腮鬚ハ黃色、前胸背ハ黑色、周圍ハ淡綠、金色ノ短毛多シ、稜狀節ハ綠色、後縁及ビ二齒狀突起ハ黃色、翅ハ透明、前縁及ビ太キ前半ノ脈ハ灰黃色、後縁脈ハ稍々無色透明、平均棍ハ綠色、腹部ハ綠色、各節ノ基節ニ黒帶アリテ何レモ兩端ニテ細マル、第一節ニアルモノハ稍々菱形ヲナス、尾端ハ灰白、黃色ノ短毛ヲ裝フ、體下ハ全部淡綠黃、中胸片ハ暗色、脚ハ黃色、後腿節並ニ後脛及ビ跗節ノ末端ハ褐色ニシテ、灰黃ノ短毛多シ、爪ハ淡黃褐、末端ハ黑色、吸盤ハ灰色、體長四分、開張七分、此ハ中國地方ニ稀ナラズ、

分布—本州、四國、九州、

第二十一圖 (25) (♀)

(405) ひらやまみづあぶ

第二十一圖 (26) (♀)

學名 *Odontomyia Hiramamae* Mats.

昆蟲學上ノ地位 水虻科

體ハ黑色、金毛色ヲ密生スルヲ以テ銅褐ノ光澤アリ、前頭ニハ光澤アル瘤狀ノ二突起ヲ具ヘ、其後
方ニ金色ノ二毛塊ヲ裝フ、顔ニハ灰白ノ短毛アリ、觸角ハ長ク、第三、第四及ビ第五節ニハ點刻ヲ
具ヘ、光澤ヲ缺ク、口吻ハ黑色、黃白毛ヲ裝フ、複眼ノ後縁ニハ金色ノ短毛ヲ密生ス、胸部ハ前方
細マリ、胸側及ビ胸面ニハ灰白ノ短毛多シ、稜狀部ノ二突起ハ黃褐、翅ハ透明、少シク黃褐ヲ帶ビ、
前縁ノ太キ脈ハ全部黃褐、中脈ハ少シク濃色、平均棍ハ黃色、腹部ハ稍々圓形、第二、第三及ビ第
四節ノ兩側ニ各一個ノ金色ノ毛塊ヲ具ヘ、第二及ビ第三節ノ後縁ハ細ク、第四節ノ後縁ハ太ク金色
毛ヲ密生ス、尾節ニ金色毛ヲ裝ヒ、末端ハ淡黃褐、腹面ハ黑色、灰白ノ短毛ヲ密生ス、脚ハ黑色、
跗節ハ褐色、第一節ハ末端ヲ除キ黃褐、爪及ビ吸盤ハ淡黃褐、前者ノ末端ハ暗褐、體長三分二厘、
開張七分、此ハ五月下旬播州ニテ平山修次郎氏ノ採集セルモノナリ、
分布—本州(播磨)、

Odontomyia Hiramamae n. sp. (Pl. XXI, Fig. 26, ♀).

Black, densely covered with short golden hairs. Head shining black, behind the antennae each side with a large tubercle, on the vertex each side with a spot of golden hairs, face with silvery white hairs; proboscis black, with pale yellowish hairs; antennae long, the third to fifth joints not shining, distinctly punctulated. Thorax narrower towards the anterior margin, above

densely covered with golden hairs, pleurae and sternum with silvery white hairs. Scutellum with 2 tooth like pale fulvous projections. Wings hyaline, with a pale fulvous tinge, the anterior strong veins fulvous, those of the hind margin being mostly paler. Halteres yellow. Abdomen nearly round, the second, third and fourth segments on each side with a spot of golden hairs, the hind margins of the second, third (narrowly) and fourth (broadly) with golden hairs, the fifth entirely covered with golden hairs and at the hind margin pale fulvous; venter with silvery white hairs. Legs black, with fulvous hairs, tarsi brownish, metatarsus except the apex being fulvous. Claws and pulvilli pale fulvous, the former at the apices fuscous.

Length—10.5 mm.; exp. 21 mm.

Hab.—Honsiu (Harima); collected in the latter part of May by Mr. S. Hirayama.

(406)

はらびろみづあぶ

第二十一圖 (27) (♀)

學名 *Ephippium bilineatum* F.

昆蟲學上ノ地位 水虻科

體ハ黑色、灰白ノ短毛ヲ密生ス、前頭ニハ小點刻多ク、顔ニハ黒毛多シ、觸角ハ黑色、第三節(副節共)ハ暗褐、口吻ハ暗褐、末端ハ黃褐、小腮鬚ハ黑色、黒毛多シ、複眼ニ黒毛ヲ裝フ、胸背ハ前方ニテ細マリ、翅着部ノ直上ニアル棘刺並ニ稜狀部ノ棘刺ハ何レモ黑色ニシテ末端ハ黃褐、翅ハ半透明、暗色ヲ帶ビ、後縁ノ基部ハ少シク淡色、脈ハ褐色、平均棍ハ淡黄色、腹部ハ長サヨリ幅廣ク、腹節ハ相愈合シテ、其關節判然セズ、小點刻ヲ密布シ、第三節ノ後縁ニ縦皺多ク、尾端ニ灰白ノ短毛ヲ密生ス、脚ハ黑色、跗節ハ暗褐、爪ハ黑色、基節ハ黃褐、吸盤ハ灰色、體長五分、開張一寸一分、此ハ京都鈴木元治郎氏ノ採集セルモノナルガ稀ナラザルガ如シ、

分布—本州、爪哇、印度、

(407) びろろごみづあぶ

第二十一圖 (28) (8)

學名 *Acanthinoides albopilosus* Mats.

昆蟲學上ノ地位 水虻科

體ハ黑色、白色ノ短毛ヲ密生スルヲ以テ灰色ヲ呈スルガ如シ、頭ハ稍々瓢箪形ヲ呈シ、觸角ハ小ニシテ褐色、第三節ニハ小顆粒多ク、端刺ハ基節ニテ黄色、顔ニ白毛多シ、口吻ハ黄褐、小腮鬚ハ黒褐、複眼ニハ褐毛多シ、胸部ハ稍々卵形ヲ呈シ、前縁ニテ細マル、直立セル暗褐毛ト灰白ノ臥毛トヲ裝フ、小點刻多シ、稜狀部ニ灰色ノ長毛ヲ具ヘ、其末端ハ大部白色、後縁ニ四個ノ長キ棘狀突起アリテ褐色ヲ呈シ、末端ハ黄褐、翅ハ透明、少シク暗色ヲ帶ビ、末端ノ一大紋及ビ前縁ノ中央ニアル一紋ハ暗色、脈ハ暗褐、平均棍ハ淡黄、腹部ハ幅廣ク、卵形ヲ呈シ點刻多シ、初メノ二節ニハ灰白毛ヲ密生スルヲ以テ天鵞絨様ノ光澤アリ、第三節ノ兩側ニ白色ノ一毛紋ヲ具ヘ、尾端ニハ褐毛及ビ白毛アリ、雄ノ生殖器ハ褐色ヲ呈シ、黄白毛ヲ裝フ、腹面ニ白色ノ短毛多シ、脚ハ黑色、白毛多ク、腿節及ビ脛節ノ末端並ニ跗節ハ黄褐、爪ハ黄褐、末端ハ暗褐、吸盤ハ淡黄、體長二分五厘、開張五分、此ハ臺灣、臺南ニテ石田昌人氏ノ採集セルモノナリ、分布—臺灣(臺南)。

Acanthinoides albipilosus n. sp. (Pl. XXI, Fig. 28, ♂).

♂ Black, densely covered with short whitish hairs. Head nearly pandulate, face with white hairs; antennae brownish, the third joint finely granulated, the arista at the base yellowish; proboscis fulvous, palpi fuscous. Compound eyes with brown hairs. Thorax nearly oval, with erect brown and decumbent white hairs, finely punctulated. Scutellum with long grayish hairs, at the apices mostly whitish, with 4 brown spinous projections, which at the apices being fulvous. Wings hyaline, with a fuscous shade, near the apex with a large and in the middle of the costal margin with a small fuscous spot, near the hind margin in the middle somewhat deeper in color, veins fuscous. Halteres pale yellowish. Abdomen densely punctulated, broader than the length, oval, the first 2 segments with velvety white hairs, on each side of the third with a white spot of silky hairs, the fourth and fifth with some brownish and whitish hairs. Hypopygium small, brown, with pale yellowish hairs. Legs black, with white hairs, the apices of the femora and tibiae, as well as the tarsi fulvous, claws fulvous, at the apices fuscous, pulvilli pale yellowish.

Length—7,5 mm.; exp. 15 mm.

Hab.—Formosa (Tainan); collected by Mr. M. Ishida.

Acanthinoides n. g.

Near *Acantlina* Wied.

Antennae situated near the middle of the head in profile, 3 joints nearly of the same length, the third joint composed of some indistinct sub-joints, the terminal arista much longer than all the antennal joints taken together, proboscis short, palpi small, the terminal joint longer, somewhat oblong in form. In the male holoptic, compound eyes bare or pubescent. Scutellum at the hind margin with 4 spines. Abdomen broader than the length, transversely oval, with 5 visible segments. Wings as long as, or longer than the whole body, 3 posterior veins, all arising from the discal cell.

Type—*Acanthinoides basalis* Mats.

(408) ねぐろみづあぶ

第二十一圖 (29) (♂)

學名 *Acanthinodes basalis* Mats.

昆蟲學上ノ地位 水虻科

體ハ黑色、黒毛及ビ灰黄毛ヲ装フ、觸角ハ黄褐、第一節及ビ端刺ハ暗褐、口吻ハ黄褐、小腮鬚ハ暗褐、末端ハ黄褐、複眼ニ毛ヲ有セズ、胸部ニハ點刻多ク、後方ニ至ルニ從ヒ小ニシテ密ナリ、後縁ニ臥伏セル灰黄ノ長毛アリ、稜狀部ノ後縁ニ四齒ヲ具ヘ、其末端ハ黄褐、翅ハ透明、翅底ノ半部ハ暗色、前縁ハ黄色、脈ハ淡黄褐、但シ暗色部ニアリテハ暗褐、平均棍ハ褐色、腹部ノ幅ハ長サヨリ廣ク、卵形ヲ呈シ、小點刻ヲ密布シ、終リノ三節ニ灰色ノ臥毛ヲ密生ス、生殖器ハ雌雄淡黄褐ニシテ小ナリ、脚ハ黑色、腿節ノ末端、脛節ノ兩端及ビ跗節ハ淡黄褐、爪ノ末端ハ暗褐、體長二分二厘、開張五分、此ハ何レノ地ニモ普通ナリ、

(附言) 拙著昆蟲分類學下卷 p. 45 四行目ニアル屬名ハ爰ニ出セルモノナルヲ以テ訂正ス、
分布—北海道、本州、

Acanthinodes basalis n. sp. (Pl. XXI, Fig. 29, ♂).

Black, with erect black and decumbent testaceous hairs, finely punctulated. Antennae fulvous, the first joint and the arista fuscous. Proboscis fulvous, palpi fuscous, at the apices fulvous. Compound eyes bare. Thorax finely punctulated, towards the hind margin of the mesonotum becoming denser and with long decumbent testaceous hairs. Scutellum finely punctulated and granulated, with 4 fuscous spines, which being fulvous at the apices. Wings hyaline, at the basal half fuscous, at

the costa yellowish, veins pale fulvous. Halteres brownish. Abdomen finely punctulated, the last three segments with decumbent grayish hairs. Genital organs of both sex small and pale fulvous. Legs black, apices of the femora, both ends of the tibiae, as well as the tarsi pale fulvous; claws at the apices fuscous.

Length—6 mm.; exp. 15 mm.

Hab.—Hokkaido, Honshu; not rare.

(409) えぞるりみづあぶ

第二十一圖 (30) (♀)

學名 *Beris jezoensis* Mats.

昆蟲學上ノ地位 水虻科

體ハ暗綠色、胸部ハ金綠色、黒褐ノ長毛ト灰色ノ短毛ヲ裝フ、觸角ハ頭ト稍々同長、黒褐、第二節ノ末端及ビ第三節ノ基部ハ黄褐、顔ニ灰白粉ヲ裝フ、口吻ハ黄色、小腮鬚ハ暗褐、複眼ニ褐毛ヲ裝フ、胸部ハ光線ノ工合ニヨリ紫藍色ヲ現ハス、側面及ビ胸片ニハ灰白毛アリ、稜狀部ノ後縁ニ四本(♀)乃至六本(♂)ノ棘狀突起ヲ具ヘ、末端ノ三分ノ二ハ淡黄褐、平均棍ハ黄白、腹部ハ細長ニシテ相平行シ、胸部ト畧同幅、灰白ノ長毛多シ、生殖器ハ小ニシテ橙黄色、脚ハ褐色、前中兩腿節ノ末端及ビ脛節ノ基部、後脛節ノ基部及ビ同第一跗節ハ黄白、爪及ビ吸盤ハ黄白、前者ノ末端ハ暗褐、體長二分—二分二厘、開張三分二厘—三分五厘、此ハ札幌地方ニ普通ナリ、分布—北海道(札幌)。

Beris jezoensis n. sp. (Pl. XXI, Fig. 30, ♀).

Dark green, thorax golden green, with long fuscous and short grayish hairs. Antennae fuscous, the second joint at the apex and the third at the base fulvous. Face grayish pruinose. Proboscis yellowish, palpi fuscous, compound eyes with short brownish hairs. Thorax in a certain light reflecting a bluish tinge, pleurae and sternum with long grayish hairs. Scutellum with 4 (♀)—6 (♂) long fulvous spines, each at the base greenish. Halteres pale yellowish. Abdomen narrow, as broad as the thorax, with long grayish white hairs; genital organ orange yellow. Legs brownish, the first 4 femora at the apices and tibiae at the bases, the hind tibia at the base and the first metatarsus, pale yellowish; claws and pulvilli pale yellowish, the former at the apices fuscous.

Length—6,6 mm.; exp. 9,5—10,5 mm.

Hab.—Hokkaido (Sapporo); common in meadow.

(410) こげなしみつあぶ

第二十二圖 (1) (♂)

學名 *Allognosta sapporensis* Mats.

昆蟲學上ノ地位 水虻科

體ハ黑色、複眼ハ褐銅色、顔ニハ灰白粉ヲ具ヘ、黒毛及ビ白毛ヲ装フ、複眼ノ内側ハ白色、觸角及ビ小腮鬚ハ黑色、前者第三節ノ基部ハ黃褐、口吻ハ褐色、胸背ハ光澤ヲ帶ビ、暗褐ノ短毛多シ、稜狀部ニ齒狀突起ヲ缺ク、翅ハ半透明、暗色ヲ帶ビ、中室ヨリハ二縦脈ヲ出ス、平均棍ハ褐色、柄部ハ暗黄、腹部ハ褐色、周縁ハ黑色、稍々長方形ニシテ、黒毛ヲ具ヘ、基部ノ兩側ニハ白毛ヲ生ズ、生殖器ハ稍々圓形ニシテ小ナリ、脚ハ暗褐、轉節、腿節ノ末端、脛節ノ基部及ビ第一跗節ハ暗黄、

體長一分七厘、開張二分七厘、此ハ札幌地方ニ普通ナリ、
分布—北海道(札幌)。

Allognosta sapporensis n. sp. (Pl. XXII, Fig. 1, ♂).

Black. Compound eyes coppery brown. Face with white and fuscous hairs, grayish white pruinose, facial orbit whitish. Antennae and palpi black, the basal part of the third joint of antennae fulvous, proboscis brownish. Thorax shining, with fuscous hairs. Scutellum without any projection. Wings subhyaline, with a fuscous tinge. Halteres brownish, at the stem dirty yellow. Abdomen brown, at the margins narrowly black, with few black hairs, on the basal sides whitish pubescent. Genital organ small and round. Legs fuscous, trochanter, the apices of the femora, the bases of the tibiae, as well as the metatarsi, dirty yellow.

Length—5 mm.; exp. 8 mm.

Hab.—Hokkaido (Sapporo); common.

(411) きいろかうかあぶ

第二十二圖 (2) (♀)

學名 *Ptecticus aurifer* Wlk.

昆蟲學上ノ地位 水虻科

體ハ黃褐、頭頂ハ黃色、顔ハ黃白、觸角ハ橙黃色、端刺ハ暗色、基部ハ黃色、口吻及ビ小腮鬚ハ淡黃色、黃色毛ヲ装フ、胸背ハ稍々卵形、判然セザル暗色ノ三縦條ヲ装ヒ、微小ノ點刻多ク、黃褐毛ヲ粗生ス、翅ハ黃褐、半透明、末端ノ三分ノ一ハ暗色、平均棍ハ黃色、腹部ハ黃褐、雄ニテハ各節ニ黒帶アリテ後方ニ至ルニ從ヒ其幅ヲ増ス、脚ハ黃褐ニシテ長ク、跗節ハ黃色、末端節ニ黒毛ヲ装

フ、體長四分—五分、開張一寸—一寸三分、此ハ本邦ニ稀ナラザル種類ナレドモ北海道ニ産スルモノアルヲ知ラズ、

分布—本州、四國、九州、臺灣、支那、

(412) はきながみづあぶ

第二十二圖 (3) (♀)

學名 *Rhaphiocera hakiensis* Mats.

昆蟲學上ノ地位 水虻科

體ハ黑色、頭ハ光澤ヲ帶ビ、複眼ノ後縁ハ黄色、觸角ノ直上ニ一白紋アリ、觸角ハ黑色、口吻ハ橙黄色、灰色毛ヲ具ヘ、頬ニハ灰白毛アリ、胸部ハ綠銅色ノ光澤ヲ帶ビ、肩部、胸背ノ二縦條、胸側ノ一縦條並ニ稜狀部ノ兩側ハ黄色、胸背ノ黄條ハ後縁ニテ何レモ鈎狀ヲナシテ外方ニ曲ル、稜狀部ノ末端ニ二個ノ黄小齒アリ、翅ハ透明、少シク灰色ヲ帶ビ、光線ノ工合ニヨリ虹色ヲ表ハス、脈及ビ縁紋ハ黄色、平均棍ハ黄色、腹部ハ黑色、胸部ト約同長、兩側、基部、第二、第三及ビ第四節ノ基部兩側ニアル一紋並ニ尾節ノ末端ハ黄色、生殖器ハ小ニシテ褐色、末端ハ黄色、腹面ハ黑色、側面ハ黄色、脚ハ淡黄褐、爪ハ黄白、末端ハ暗色、體長二分三厘、開張四分、此ハ九州熊本地方ニ稀ナラズ、

分布—九州(熊本葉木)、

Rhaphiocera hakiensis n. sp. (Pl. XXII, Fig. 3, ♀).

Black. Head shining, behind the compound eyes citron yellow, a spot above the antennae ivory white. Antennae black. Proboscis orange yellow, with grayish hairs, cheeks grayish white pubescent. Thorax aeneous black, humeri, a pleural stripe, 2 mesonotal stripes (which on their bases bending hook-like outwardly) and the margins of the scutellum with the teeth, citron yellow. Wings hyaline, with a grayish tinge, strongly iridescent, veins and stigma yellowish. Halteres yellow. Abdomen black, nearly as long as the thorax, the sides, the base of the first segment, each spot on the basal sides of the 2nd, 3rd and 4th segments, as well as the hind margin of the last segment, citron yellow; genital organ brown, at the apex yellowish. Venter black, at the sides yellowish. Legs pale fulvous, claws pale yellowish, at the apices fuscous.

Length—5,7 mm.; exp. 12 mm.

Hab.—Kiushu (Kumamoto); not rare.

(413) はらきんみづあぶ

第二十二圖 (4) (♂)

學名 *Chrysochroma apicalis* Mats.

昆蟲學上ノ地位 水虻科

頭ハ暗褐、複眼ノ上半ハ赤褐、下半ハ暗色、觸角ハ橙黄色、端刺ハ暗色ニシテ基節ハ黄色、顔ニ黄白毛ヲ装フ、口吻ハ黄色、胸部ハ光澤アル金綠色、灰色ノ短毛ヲ装フ、胸側ノ縦條ハ灰色、稜狀部ハ三角形ヲナシテ突出シ、齒狀突起ヲ缺ク、翅ハ透明、縁紋及ビ脈ハ黄色、脈ニ微小ノ黒點ヲ散在ス、平均棍ハ黄色、腹部ハ胸部ト約同長、淡黄褐ニシテ末端ハ金綠色、黒色ノ短毛多ク、基部及ビ末端ニアルモノハ黄色、脚ハ黄色、後腿節及ビ脛節ノ末端ニアル各一紋ハ暗褐、爪ハ褐色、基部ハ

黄白、體長一分五厘、開張三分、此ハ東京地方ニ稀ナラズ、爰ニ畫ケル標本ハ東京平山修次郎氏ノ採集ニ係ルモノナリ、分布—本州、四國、九州、

Chrysochroma apicalis n. sp. (Pl. XXII, Fig. 4, ♂).

Head fuscous. Compound eyes on the upper half reddish brown, on the lower half fuscous. Antennae orange yellow, the arista fuscous, at the base yellowish. Face with pale yellowish hairs. Proboscis yellow. Thorax shining metallic green, with short grayish hairs, scutellum nearly bare, without any projection. Wings hyaline, stigma and veins yellow, the latter scattered with minute black points. Halteres yellow. Abdomen pale fulvous, at the apex metallic green, with short fuscous hairs, those of the base and apex being yellowish. Legs yellowish, a spot near the apex of the hind femur and tibia, fuscous. Claws brown, at the base pale yellowish.

Length—4.5 mm.; exp. 9 mm.

Hab.—Honshu, Shikoku, Kiushu; not rare.

(414)

まだらきんあしながばい

第二十二圖 (5) (♀)

學名 *Psilopus nebulosus* Mats.

昆蟲學上ノ地位 長脚蠅科 (Dolichopidae)

體ハ光澤アル全綠色、顔及ビ後頭ニ白粉ヲ密布ス、觸角ハ黑色、各部ハ稍々同長ニシテ、端刺ハ頗ル長ク、第二腹部ニ達ス、上頬ニ白毛ヲ具ヘ、頭頂ニ黑色ノ剛毛アリ、口吻ハ黄色、胸部ノ前縁ニ白粉ヲ裝ヒ、黑色ノ剛毛ヲ粗生シ、稜狀部ニ黑色ノ四剛毛アリ、翅ハ透明、外縁ノ前半部ハ暗色ヲ

帯ビ、第三室ノ中央ニ透明ノ一方形紋アリ、横脈上ニモ暗色ノ一紋ヲ装フ。脈ハ暗褐、平均棍ハ黄色、腹部ハ金綠色、第二節ノ後縁、第三及ビ第四節前後縁並ニ尾端ノ二節ハ黑色、黒毛ヲ具ハ、基節及ビ末端ニ白毛ヲ装フ、尾狀附屬物ハ頗ル長ク、灰色ニシテ黒毛ヲ装フ、脚ハ淡黄、中後兩跗節ノ末端ハ暗色、爪ハ褐色、體長二分、開張四分、此ハ何レノ地方ニモ稀ナラザレドモ札幌地方ニハ少ナシ、分布—北海道、本州、四國、九州、

Psilopus nebulosus n. sp. (Pl. XXII, Fig. 5, ♀).

Metallic green. Face and occiput white pruinose, upper cheeks with white hairs, vertex with black bristles. Antennae black, the arista very long, reaching to the 2nd abdominal segment. Proboscis yellow. Thorax at the anterior margin white pruinose, with black bristles. Scutellum with 4 black bristles. Wings hyaline, the anterior outer half fuscous, the 3rd cell in the middle with a quadrate hyaline spot, upon the cross-vein with a fuscous spot, veins fuscous. Halteres yellow. Abdomen metallic green, the hind margin of the 2nd segment, both margins of the 3rd and 4th, as well as 2 apical segments, black, with black hairs, at the base and apex with a few fine whitish hairs. Caudal filaments very long, dirty yellow, with black short hairs. Legs pale yellowish, apices of the middle and posterior tarsi fuscous; claws brownish.

Length—6 mm.; exp. 12 mm.

Hab.—Hokkaido, Houshu, Shikoku, Kiushu (not rare).

(415) はこねやりばい

學名 *Lonchoptera hakonensis* Mats.

昆蟲學上ノ地位 鎗翅蠅科 (Lonchopteridae)

第二十二圖 (6) (♀)

體ハ淡黄、單眼ノ部分ハ暗色、觸角ハ暗褐、第一節ノ基節及ビ第三節ハ淡黄、頭頂ニハ黑色ノ剛毛ヲ具ヘ、頰、複眼ノ後方及ビ後頭ニハ黄色ノ剛毛アリ、胸背ニ暗褐ノ三縦條アリテ、中央ニアルモノハ前縁ニシテ廣ガリ、稜狀部ノ中央ニ達ス、兩側ニアルモノハ短カシ、剛毛ハ全部黑色、翅ハ鎗狀ヲ呈シ、半透明、少シク灰色ヲ帶ブ、脈ハ淡黄、第三脈ノ基部及ビ第二脈ヲ除キ黑色ノ微小點ヲ列テ、之レヨリ一微毛ヲ生ス、平均棍ハ黄白、腹部ハ胸部ヨリ長ク、稍々長方形ヲ呈シ、第一節及ビ他各節ノ中央ハ暗褐、黑色ノ太キ短毛ヲ裝フ、腹面及ビ脚ハ黄白、黒毛ヲ裝フ、爪ハ白色、末端ハ黑色、體長一分二厘、開張三分、此ハ十月下旬函根地方ニテ採集セルモノナルガ餘リ多カラザルガ如シ、

分布—本州(函根)。

Lonchoptera hakonensis n. sp. (Pl. XXII, 6, ♀).

Pale yellowish. Ocellar region and antennae fuscous, the first joint of the latter at the base and the 3rd joint pale yellowish, vertex and front with black, cheeks and occiput with yellowish bristles. Thorax with 3 fuscous stripes, of which the middle one is longer, at the anterior margin broader and reaching to the middle of the scutellum, the side ones being much shorter, with black macrochaetae. Wings subhyaline, scarcely grayish infuscated, veins pale yellowish, with a row of very minute fuscous points (except the 2nd and the base of the 3rd longitudinal veins, which are much narrower). Halteres pale yellowish white. Abdomen somewhat longer than the wing, the first segment and the following each in the middle, fuscous, with short fuscous hairs. Underside and legs yellowish white, with black hairs, claws whitish, at the apices fuscous.

Length—3.6 mm.; exp. 8 mm.

Hab.—Honshu (Hakone); collected by the author in the latter part of October.

(416) くろのみばい

第二十二圖 (7) (♀)

學名 *Conicera japonica* Mats.

昆蟲學上ノ地位 蚤蠅科 (Phoridae)

體ハ黑色、觸角ハ雄ニテハ暗褐、雌ニテハ黃褐、灰色ノ短毛ヲ密生ス、小腮鬚ハ橙黃色ニシテ末端ニ黑色ノ剛毛ヲ裝フ、頭頂ニハ點刻ヲ具ヘ、後方ニ向ヘル黑色ノ剛毛ヲ裝フ、單眼ハ大ニシテ一列ニ横置セラレ、其前方ニ一横隆アリ、胸背ニハ後方ニ臥伏スル暗褐毛多ク、後縁ノ兩側ハ黃褐、稜狀部ハ半圓形ニシテ平タク、毛ヲ缺ク、翅ハ透明、少シク黃褐ヲ帶ビ、前縁ノ太キ脈ハ黃褐、他脈ハ黃褐、前縁ノ基半部ニアル剛毛列ハ黑色、平均棍ハ黑色、基部ハ黃褐、腹部ハ黑色、背上ハ平タシ、後方ニ少シク灰色粉ヲ裝ヒ、灰色ノ短毛ヲ粗生ス、脚ハ黑色、前肢腿節ノ末端、同脛節及ビ跗節並ニ中後兩脛節ノ基部ハ黃褐、尙跗節端モ亦少シク黃褐ヲ帶ブ、體長一分—一分二厘、開張三分、此ハ札幌地方ニ普通ナリ、能ク跳躍ス、脚ヲ縮小シテ死ヲ真似スルヲ以テ網ニ入ルモ注意セザレバ見逃スコトアリ、

分布—北海道、本州、

Conicera japonica n. sp. (Pl. XXII, Fig. 7, ♀).

Black. Antennae fuscous in the male, fulvous in the female, with short dense grayish hairs. Palpi orange yellow, at the apices with black bristles. Vertex sparsely punctulated, with decumbent black bristles. Thorax with black decumbent

hairs, at the hind margin on the sides fulvous. Wings hyaline, with a fulvous tinge, veins fulvous, the costal strong, veins being fuscous and costal bristles black, halteres fuscous, at the base fulvous. Abdomen black, flat on the back, on the apical part thinly grayish pruinose, with few grayish hairs. Legs black, the tips of the anterior femora, the same tibiae and tarsi, the bases of the posterior two tibiae, as well the tips of the tarsi, fulvous.

Length—3—3.6 mm.; exp. 9 mm.

Hab.—Hokkaido and Honshu (common).

(417) せだかこがしらあぶ

第二十二圖 (8) (♀)

學名 *Philopota globulifera* Mats.

昆蟲學上ノ地位 小頭虻科 (Acroceridae)

體ハ光澤アル黒綠、頭ハ球形ニシテ、後頭ニ横皺多ク、複眼ニハ褐色ノ短毛ヲ装フ、觸角ハ小ニシテ暗褐、基部及ビ端刺ハ黄色、其直上ノ一突起ハ黄褐ニシテ光澤アリ、口吻ハ黄色ニシテ長ク、少々尾端ニ達ス、胸背ハ甚ダシク膨起シ、褐色ノ短毛多シ、中胸背ノ前半ニハ細キ横皺多ク、其後縁及ビ稜狀部ニハ點刻多シ、翅ハ半透明、灰黄色ヲ帶ビ、脈ハ黄色、前縁ニアル三縦脈及ビ中室脈ハ暗褐、鱗狀瓣ハ大ニシテ灰白、稍々卵形ヲ呈ス、平均棍ハ黄色ナレドモ鱗狀瓣下ニ隠レテ見ヘズ、腹部ハ初メノ三節ニテ褐毛ヲ具ヘ、後ノ三節ニテ白色ノ短毛ヲ装フ、第一節ヲ除キ各節ノ兩側ニ黄褐ノ一縦條アリ、各腹面節ノ後縁ハ狭ク黄褐、脚ハ黄色、基節及ビ腿節(兩端ヲ除キ)並ニ脛節ノ内側ハ暗褐、跗節ハ褐色ヲ帶ブ、體長二分五厘—三分、開張五分—六分、此ハ札幌地方ニ稀ナラズ、

分布—北海道(札幌)

Philopota globulifera n. sp. (Pl. XXII, Fig. 8, ♀).

Shining aeneous black. Head at the occiput transversely wrinkled. Compound eyes with short brownish hairs. Antennae fuscous, at the base and the arista yellowish, a tubercous spot above the antennal-insertions fulvous and shining, proboscis yellow, nearly reaches to the abdominal tip, thorax much enlarged, highly globular, with short brownish hairs, the anterior part of the mesonotum transversely fine wrinkled, the posterior part of the same and scutellum fine punctulated. Wings subhyaline, with a grayish yellow tinge, veins yellowish, the first 3 longitudinal and discoidal veins fuscous. Alulae very large, oval and of a grayish color. Halteres yellow. Abdomen on the first 3 segments with short brownish hairs and on the first 3 segments with short whitish hairs, on each side, except the first, with a fulvous stripe; the ventral segments each at the hind margin narrowly fulvous. Legs yellowish, coxae and femora (except both ends), as well as the inner side of each tibia, fuscous, tarsi somewhat brownish.

Length—7.5—9 mm., exp. 15—18 mm.

Hab.—Hokkaido (Sapporo); not rare.

(418) しばかほこがしらあぶ

第二十二圖(9) (♀)

學名 *Oncodes Shibakawae* Mats.

昆蟲學上ノ地位 小頭虻科

體ハ綠銅色、頭ハ球形、複眼ニ暗褐毛ヲ密生ス、觸角ハ黒褐、第二節及ビ端刺ノ末端ハ黃褐、口吻褐色、末端ハ黃褐、淡黃褐毛ヲ密生ス、胸部ニ淡黃褐ノ長毛多ク、腹部ニ同色ノ短毛ヲ密生ス、翅

ハ透明、灰褐色ヲ帶ビ、脈ハ暗褐、鱗狀瓣ハ頗ル大ニシテ灰黄、平均棍ハ淡褐、腹部ハ圓ク、微小ノ點刻ヲ密布ス、脚ハ淡黄、爪ハ褐色、吸盤ハ灰黄、體長二分七厘、開張五分内外、此ハ大阪ニテ芝川又之助氏ノ採集セルモノナリ、
分布—本州(大阪)

Oncodes Shibakawae n. sp. (Pl. XXII, fig. 9. ♀).

Aeneous. Compound eyes with long fuscous hairs. Antennae dark fuscous, the second joint and the arista each at the apex fulvous. Proboscis brown, at the apex fulvous, with dense pale fulvous hairs. Thorax with long and abdomen with short pale fulvous hairs. Wings hyaline, with a grayish brown tinge, veins fuscous. Calypteres grayish yellow, halteres pale brown. Abdomen globular densely covered with minute punctulations. Legs pale yellowish, claws brown, pulvilli grayish yellow.

Length—8 mm.; exp. 15 mm.

Hab.—Honshu (Osaka); collected by Mr. M. Shibakawa.

(419) くまもこあたまあぶ

學名 *Pipunculus kumamotensis* Mats.

昆蟲學上ノ地位 頭虻科 (*Pipunculidae*)

體ハ暗褐、褐色粉ヲ密布ス、眼ハ小豆色ニシテ光線ノ工合ニヨリ金色ヲ現ハス、顔及ビ頬ニハ白粉ヲ密布シ、觸角ハ暗褐、第三節ハ黄褐、端刺ハ暗褐、胸部ノ兩側ニ一二本ノ灰色短毛アレドモ判然

第二十二圖 (10) (♂)

セズ、翅ハ透明、灰色ヲ帯ビ、虹色ヲ表ハス、脈ハ暗褐、縁紋ハ灰黄、鱗状瓣ハ淡黄褐、腹部ハ胸部ト同色、各節後縁ノ兩端ニ灰白粉ヲ装フ、尾節ハ暗褐ニシテ稍々圓錐形ヲ呈シ、一縦溝ヲ装フ、脚ハ黄色、腿節ハ兩端ヲ除キ暗褐、爪ハ白色、末端ハ黑色、吸盤ハ灰黄、體長一分五厘、開張三分五厘、此ハ熊本ニテ河村英雄氏ノ採集セルモノナリ、
分布—九州(熊本)

Pipunculus kumamotoensis n. sp. (Pl. XXII, Fig. 10, ♂).

Fuscous, densely brownish pruinose. Compound eyes reddish brown, with a golden luster. Face and cheeks white pruinose. Antennae dark fuscous, the second joint and the arista each at the apex fulvous. Thorax nearly bare, on the sides with one or two short grayish hairs, but indistinct. Wings hyaline, with a grayish tinge, stigma pale fulvous, veins fuscous, somewhat iridescent. Halteres fulvous, abdomen concolorous with the thorax, each segment on the hind margin on the sides grayish pruinose, hypopygium conical, with a longitudinal groove. Legs yellowish, femora except both ends fuscous, claws whitish, at the apices black, pulvilli grayish yellow.

Length—4.5 mm.; exp. 10.5 mm.

Hab.—Kushu (Kumamoto); collected by Mr. H. Kawamura.

(420) しろあしあぶ

第二十二圖 (11) (♀)

學名 *Tabanus albotibialis* Mats.

昆蟲學上ノ地位 虻科 (Tabanidae)

體ハ黑色、顔及ビ頬ハ灰白、前頭及ビ複眼ニ接スル顔ハ灰色、白色ノ短毛多シ、頭頂ハ黑色、少シ

ク灰白粉ヲ装ヘル部分アリ、觸角ハ黑色、第三節ハ暗褐、第一節ノ末端ハ少シク黃褐ヲ帶ズ、第三節ノ齒狀突起ハ小ニシテ低シ、小腮鬚ハ暗褐、黑色ノ短毛ヲ密生シ、灰白ノ短毛ヲ混ズ、口吻ハ暗褐、下面ニ黒毛及ビ白毛ヲ装フ、胸部ハ少シク灰白粉ヲ装ヒ、黄色ノ短毛ヲ具ヘ、兩側ニハ暗褐毛ヲ生ジ、後縁ニハ白毛ヲ装フ、稜狀部ハ灰白、白毛ヲ生ジ、少シク黃毛ヲ混ズ、肩部ハ褐色、翅ハ透明、少シク灰色ヲ帶ビ、縁紋及ビ脈ハ暗褐、鱗狀瓣ハ灰色ニシテ其周圍ハ暗色、平均棍ハ褐色、腹部ニハ黒毛ヲ密生シ、第一、第二及ビ第三ノ兩側ニ白色ノ毛塊ヲ装ヒ、第二及ビ第三節ノモノハ後縁ニアリ、第四節ノ後縁ニハ白毛帶ヲ具ヘ、第五節ノ後縁ノ中央ニ白毛紋アリ、腹面ハ灰白粉ヲ密布ス、脚ハ黑色、脛節ノ基部ノ三分ノ二ハ黃白、爪ハ暗褐、基部ハ黃褐、吸盤ハ灰黃、體長五分七厘、開張一寸三分内外、此ハ京都鈴木元治郎氏ノ採集セルモノナルガ稀ナルガ如シ、
分布—本州(京都)

Tabanus albotibialis n. sp. (Pl. XXII, Fig. 11, ♀).

Black. Face and underside of the head grayish white, with whitish hairs, front and the facial orbit grayish, the callosity not polished, lanceolate, the slender upper portion extending nearly midway to the occiput, no trace of ocellar tubercle. Antennae black, the third joint fuscous, the tooth of this joint being very short, palpi fuscous, with short black and white hairs. Proboscis fuscous, beneath with long black and white hairs. Compound eyes bare, with an aeneous luster. Thorax grayish white pruinose, with few short fulvous hairs, on the pleurae with long fuscous hairs, on the hind margin of the mesonotum with white hairs; scutellum grayish, with whitish hairs, mingling very few fulvous hairs. Humeri brownish. Wings hyaline, with a grayish tinge, stigma and veins fuscous. Calypteres grayish, on the margins fuscous. Halteres brown. Abdomen densely covered with black hairs, the 1st, 2nd and 3rd segments each on the sides with whitish hairs, those of the 2nd and 3rd being

On the hind margins, the 4th on the hind margin with a broad white hair-band, the 5th in the middle at the hind margin with a white hair-patch. Venter grayish white pruinose. Legs black, the tibiae at the basal two thirds pale yellowish white, claws fuscous, at the base fulvous, pulvilli grayish yellow.

Length—17 mm.; exp. 39 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki, rare.

(421)

ふたすぢあぶ

第二十二圖 (12) (♀)

學名 *Tabanus bivittatus* Mats.

昆蟲學上ノ地位 虻科

體ハ黑色、灰色粉ヲ裝フ、後頭ノ三角部ハ黃褐、前頭ノ二黑紋ハ光澤ヲ帶ビ、前方ニアルモノハ稍々圓シ、顔ハ灰黃、白毛ヲ裝フ、觸角ハ橙黃色、第一節ニ短カキ黒毛ヲ裝ヒ、第三節ノ齒狀突起ハ餘リ高カラズ、小腮鬚ハ黃白、黒毛ヲ裝ヒ、少シク淡黃毛ヲ混ズ、口吻ハ暗褐、上面ハ黃褐、複眼ハ黃褐、中央ニ暗色ノ細キ一橫線ヲ裝ヒ、之レハ稍々中央ニ終ル、胸部ニハ黃白毛ト黒毛トヲ裝ヒ、兩側ニ灰白毛ヲ生ジ、肩部ノ後方及ビ氣門ハ黃褐、翅ハ透明、少シク灰色ヲ帶ビ、脈及ビ緣紋ハ淡黃褐、鱗狀瓣ハ灰黃、平均棍ハ淡黃褐、腹部ハ稍々長方形ヲ呈シ、淡黃ノ短毛ヲ密生ス、中央ニ暗色ノ二縱條ヲ具ヘ、第一及ビ第二節ノ兩側ニ黃褐紋ヲ裝フ、第二節以下各節ノ後緣并ニ接合膜ハ黃褐、腹面ニ灰色粉多シ、脚ハ黃色、前肢ノ基節、脛節ノ末端及ビ跗節并ニ中後兩腿節ノ基部ハ暗褐、爪ハ黃色、末端ハ黑色、吸盤ハ灰黃、體長四分五厘、開張九分、此ハ京都鈴木元治郎氏ノ採集セル

モノニシテ稀ナルガ如シ、
分布—本州京都、

Tabanus bivittatus n. sp. (Pl. XXII, Fig. 12, ♀).

Black, densely grayish pruinose. Ocellar triangle fulvous, 2 frontal spots polished, the anterior one being roundish, the posterior one narrower. Face grayish yellow, with white hairs. Antennae orange yellow, the first joint with short black hairs, the tooth of the 3rd joint moderately high. Palpi pale yellowish, with short black hairs, mingling some short pale yellowish hairs, proboscis fuscous, above being fulvous. Compound eyes fulvous, in the middle with a narrow fuscous band, which ending somewhat in the middle. Thorax with short pale yellowish and black hairs, on the pleurae with grayish white hairs, humeri at the hind margins and stigmata fulvous. Wings hyaline, with a grayish tinge, veins and stigma pale fulvous. Calypteres grayish yellow, halteres pale fulvous. Abdomen densely grayish white pruinose, with short pale yellowish hairs, in the middle with 2 fuscous stripes, the 1st and 2nd segments on the sides each with a fulvous spot, each segment except the 1st, at the hind margin narrowly, as well as the connexivum, fulvous. Legs yellow, the coxae, the apices of the tibiae and the tarsi of the anterior legs, as well as the basal parts of the last two femora, fuscous; claws yellow, at the apices black, pulvilli grayish yellow.

Length—13.5 mm.; exp. 27 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki, quite rare.

(422) たいわんめくらめぶ

學名 *Chrysops dispar* F.

昆蟲學上ノ地位 虻科

體ハ暗褐、頭ニハ黄白ノ短毛ヲ裝ヒ、觸角ハ頭及ビ胸部ヲ合シタルモノヨリ長ク、淡黄褐、第三節

第二十二圖 (13) (♀)

ハ暗褐、何レモ黒毛多シ、頭頂ハ淡黄、觸角上ノ一瘤及ビ單眼ノ部分ハ黑色、顔ハ黄色、褐色ノ光澤アル二條アリテ、之レハ末端ニテ相合ス、小腮鬚ハ黄色、口吻ハ褐色、胸背ノ側面及ビ後縁ニハ金色毛多シ、稜狀部ノ末端ハ褐色、翅ハ透明、前縁及ビ中央ノ太キ一帯後縁ノ中央ニ透明部アリハ暗褐、鱗狀瓣ハ灰色、平均棍ハ暗褐、腹部ハ黄色、第一節ノ後縁中央ニアル一帯及ビ第二節ヨリ第三節ニ跨ガル二斜條之レハ第二節ノ前縁ニテ相合スハ暗褐、黄白ノ短毛多シ、兩側及ビ腹面ノ中央帶并ニ尾端ハ暗褐、脚ハ黄色、後腿節(末端ヲ除キ)ハ暗褐、雄ニテハ複眼ハ黄褐ニシテ下面ハ暗褐、後縁ニ近キ一帯及ビ中央ニ近キ一紋ハ暗褐、後腿節、脛節及ビ前跗節ハ暗褐ナリ、他ハ雌ニ同ジ、體長三分、開張六分五厘内外、此ハ臺灣ニ産シ何レノ地ニ至ルモ普通ナリ、分布—臺灣、

(附言) 千蟲圖解第二、p. 81 ニアル學名ハ *Chrysops suavis* Loew. ノ誤ナルヲ以テ爰ニ訂正ス、

(423) からふとめくらあぶ

第二十二圖(14) (♀)

學名 *Chrysops nigricornis* Mats.

昆蟲學上ノ地位 虻科

體ハ黑色、前頭及ビ顔ノ突起ハ大ニシテ光澤アリ、其周圍ニ灰黄粉ヲ裝フ、觸角ハ黑色ニシテ長ク、第二節ハ暗褐、口吻及ビ小腮鬚ハ暗褐ニシテ後者ハ前者ヨリ遙ニ短カシ、後者ノ下面ニ淡黄ノ長毛ヲ粗生ス、胸部ニハ黄毛ヲ裝ヒ、兩側ハ灰色、黄毛多シ、中央ニ濃色ノ三縱條アレドモ判然セズ、

翅ハ透明、基部、前縁及ビ中央ノ一大紋ハ黑色、脈ハ暗褐、鱗狀瓣ハ灰色、其周縁ハ暗色、平均棍ハ暗褐、腹部ハ黑色、第一及ビ第二節ノ兩側及ビ各節ノ後縁ハ淡黃褐ニシテ、各節後縁ノ中央ニ灰白ノ三角紋アリ、黒毛ヲ裝ヒ、紋上ニハ黄毛アリ、腹面ハ第一節ヲ除キ黑色、各節ノ後縁ハ黄色、第一節ハ黄色、中央ニ黑色ノ一紋アリ、脚ハ黑色、跗節ノ基部ハ黄褐ヲ帶ブ、吸盤ハ灰黄、體長三分五厘、開張七分二厘、此ハ樺太地方ニ普通ナリ、
分布—樺太、

(424)

あぶもじき

第二十二圖 (15) (♂)

學名 *Hirmonoura orientalis* Licht.

昆蟲學上ノ地位 擬虻科 (*Hirmonouridae*)

體ハ淡褐、黄褐毛ヲ密生ス、觸角ハ黄色、初メノ二節ハ太シ、第三節ハ初メノ二節ヲ合シタルモノヨリ長ク、角片ハ第三節ヨリモ少シク短カシ、顔ノ中央ニ球形ノ一突起アリ、口吻及ビ小腮鬚ハ長毛ニ蔽ハレテ見ヘズ、複眼ハ褐色ニシテ低シ、胸部ニ長毛ヲ簇生スレドモ稜狀部ニハ少ナシ、翅ハ半透明、褐色ヲ帶ビ、中央ノ一斜脈及ビ中脈ハ太シ、平均棍ハ淡黄、腹部ハ六節ヨリ成リ、各節ノ縫レハ深シ、側面ニ長毛アレドモ中央ニハ短毛ヲ粗生ス、脚ハ黄色、爪ノ末端ハ黑色、體長四分、開張九分、此ハ一熊本地方ニ産スレドモ其數多カラズ、
分布—本州、九州、

(425)

たいわんろりはりばい

第二十二圖 (16)
(♀)

學名 *Biomyioides cyaneus* Mats.

昆蟲學上ノ地位 家蠅科寄生蠅亞科 (Tachinae)

體ハ瑠璃色、頭ハ橙黃色、頭頂ハ少シク濃色、頭頂ノ兩側ニ一剛毛列ヲ具ヘ、單眼ノ剛毛ハ前方ニ向フ、觸角ハ長ク、第三節ハ殆ンド顔ノ下部ニ達シ、端刺ハ羽狀毛ヲ裝ヒ、褐色ナリ、口刺ハ遙ニ縁上ニ位シ、口吻ハ暗褐、頭ノ高サヨリモ少シク長シ、小腮鬚ハ黃色、黑色ノ短毛ヲ裝ヒ、顔ノ兩側ニ剛毛ヲ缺ク、胸腹ニ黑色ノ剛毛多ク、腹部ハ胸部ヨリモ一層綠味ヲ帶ブ、第三及ビ第四節ノ後縁ニハ剛毛多ク列ヲナス、翅ハ半透明、暗色ヲ帶ビ、脈ハ暗色、其周圍ハ暗褐、鱗狀瓣ハ白色、後鱗狀瓣ノ周圍ハ暗色、平均棍ハ褐色、脚ハ黑色、腿節ハ藍色若クハ綠色ヲ帶ブ、吸盤ハ灰黃、體長六分、開張一寸一分内外、此ハ臺灣埔里社地方ニ普通ナリ、
分布—臺灣(埔里社)、

Biomyioides cyaneus n. sp. (Pl. XXII, Fig. 16, ♀).

Blue or bluish green. Head orange yellow, vertex and front somewhat deeper in color. Antennae orange yellow, the arista with the plumose hairs brown. Proboscis long, fuscous, palpi yellow, with short black hairs. Thorax blue, at the humerus greenish, at the anterior margin somewhat grayish pruinose, in the middle with 2 narrow greenish stripes, which reaching only to the suture. Wings subhyaline, infuscated, costa and veins black, veins being lined with fuscous. Calypteres white, posterior ones at the margin being fuscous. Halteres brown. Abdomen greenish, in a certain light bluish, the 2nd

segment somewhat grayish pruinose, at the hind margin of each segment bluish. Legs black, femora bluish or greenish, pulvilli grayish yellow.

Length—18 mm. ; exp. 33 mm.

Hab.—Formosa (Horisha); not rare.

Bionyioides n. g.

Much resembles to *Bionyia* Rondani, but differ from the latter as follows:

Large metallic blue or greenish flies. Face very broad, nearly one and one half as wide as the compound eyes, in the middle with a high longitudinal keel, which is somewhat longer than the antennae, being broadest in the middle and narrower towards the base. Proboscis beyond the articulation somewhat shorter than the height of the head, palpi slender, long and at the apices clavate. Other characters just similar to those of *Bionyia*.

Type—*Bionyioides cyanus* Mats.

(426)

つまあかはりばい

第二十二圖 (17) (♀)

學名 *Bombyliomyia apicalis* Mats.

昆蟲學上ノ地位 家蠅科 (寄生蠅亞科)

體ハ黑色、少シク藍色ノ光澤ヲ帶ブ、頭ハ金色、頭頂ノ一縱條ハ黃褐、其兩側ニ少シク暗色ヲ帶ビタル部分アリ、黑色ノ剛毛及ビ短毛ヲ裝ヒ、黄色ノ軟毛ヲ混ズ、顔、頬及ビ後頭ニ黄色ノ軟毛多ク、口刺ハ少シク口縁上ニ位ス、口吻ハ暗褐ニシテ短カク、小腮鬚ハ橙黄色、末端ハ棍棒狀ニ肥大シ、黑色ノ短毛ヲ裝フ、(觸角破損)、胸背ニハ判然セザル灰色ノ細キ五縱條ヲ具ヘ、兩側ニアルモノ

ノミ横皺線ヲ横切リテ稍々後縁ニ達ス、肩部ニ灰色粉ヲ装ヒ、翅ハ半透明、少シク灰色ヲ帯ビ、翅底並ニ第一底室ニテ鼈甲様ノ黄色、横脈上ノ一紋及ビ之レヨリ外側ニアル前縁ハ暗色、脈ハ暗褐、鱗狀瓣ハ灰白、平均棍ハ黄色、腹部ハ黑色、癒合シテ關節判然セザレドモ、第二及ビ第三節ノ基部ニ灰白粉ヲ装ヒ、各節ノ後縁ニハ剛毛列アルヲ以テ其腹部數ヲ知り得ベシ、第四及ビ第五節ハ赤褐、毛ハ全部黑色、脚ハ黑色、膝ノ小部ハ黃褐、爪ハ暗褐、基部ハ黃褐、吸盤ハ暗灰色、體長四分五厘、開張九分、此ハ臺灣埔里社地方ニテ捕獲セルモノナルガ稀ナルガ如シ、分布—臺灣埔里社。

Bombylionya apicalis n. sp. (Pl. XXII, Fig. 17, ♀).

Black, with a light indigo luster. Head golden yellow, vertical stripe fulvous, on the sides somewhat infuscated, with black hairs and bristles, mingling a few soft yellowish hairs. Face, cheeks and occiput yellowish pubescent. Proboscis short, shining fuscous, palpi orange yellow, at the apices large clavate. Antennae defect. Thorax with 5 narrow grayish stripes, the side ones reach beyond the suture and end near the hind margin of the mesonotum. Humeri grayish pruinose. Wings subhyaline, the base and the first basal cell pale fulvous, a spot upon the cross-vein and the costa beyond it dusky, veins fuscous. Calypteres grayish white, halteres yellowish. Abdomen black, the 2nd and 3rd segments each at the base grayish pruinose, the 4th and 5th reddish brown, with black bristles and hairs. Legs black, tibiae at the extreme bases fulvous, claws fuscous, at the bases fulvous, pulvilli dark grayish.

Length—13.5 mm.; exp. 27 mm.

Hab.—Formosa (Horisha); rare.

(427) こがねおほはりばい

第二十二圖 (18) (♀)

學名 *Servillia Jankovlevii* Ports.

昆蟲學上ノ地位 家蠅科 (寄生蠅亞科)

體ハ暗黃色、腹部ハ黑色、顔及ビ頬ハ灰白、灰白ノ軟毛ヲ裝フ、頭頂ノ中央ニ褐色ノ一縱條アリ、觸角ハ褐色、第二節最モ長ク、其基部ハ少シク黃褐ヲ帶ブ、口吻ハ褐色、小腮鬚ハ黃色、黒毛ヲ裝フ、胸背ノ前縁ニ二様ノ細キ暗色條ヲ具ヘ、黄色ノ短毛ト黒色ノ剛毛ヲ裝フ、翅ハ透明、少シク灰黄ヲ帶ビ、翅底ハ黄色、脈ハ翅底ヲ除キ黃褐、鱗狀瓣ハ灰白、周圍ハ淡黃褐、平均棍ハ黄色、第二、第三及ビ第四節ノ基部ハ黄色ニシテ黄色ノ軟毛ヲ具ヘ、第四節ニアル毛ハ剛毛ヲ除キ全部黄色、腹面ハ背面ト同様ナレドモ、第二、第三及ビ第四節ノ後縁ハ細ク黄色ナリ、脚ハ暗褐、腿節ノ末端、脛節及ビ跗節ハ淡黃褐、黒毛多ク、爪ハ黃褐、末端ハ黑色、吸盤ハ灰色、體長五分五厘、開張一寸、此ハ本邦何レノ地方ニモ普通ナルガ竹けむしニ寄生スルモノ、如シ、分布一樺太、北海道、本州、四國九州、西比利亞、

(428) すゞきはりばい

第二十二圖 (19) (♀)

學名 *Servillia Suzukii* Mats.

昆蟲學上ノ地位 家蠅科 (寄生蠅亞科)

體ハ黑色、顔ノ兩側ニアル三角紋及ビ口縁ハ黄色ニシテ、顔及ビ頬ニハ白色ノ軟毛ヲ具ヘ、頭頂ニ

ハ黒毛ヲ裝フ、口吻ハ暗褐、小腮鬚ハ黃色ニシテ、黑色ノ短毛ヲ裝ヒ、觸角ハ褐色ニシテ、第三節及ビ端刺ハ黑色、胸部ニハ黑色ノ剛毛及ビ短毛ヲ具ヘ、稜狀部ノ兩側ニ黃褐紋アリ、翅ハ半透明、少シク灰色ヲ帶ビ、脈ハ暗褐、鱗狀瓣ハ灰色、周圍ハ暗色、平均棍ハ褐色、腹部ハ初メノ二節ニ黒毛ヲ具ヘ、後部ノ二節ニハ黃褐毛ヲ裝フ、但シ剛毛ハ何レモ黑色ナリ、第二節ノ兩側基部ニ黃褐ノ小紋アレドモ判然セス、腹面ニモ黃褐毛アリ、脚ハ暗褐、脛節及ビ跗節ハ黃褐、體長六分、開張九分五厘、此ハ京都ニテ鈴木元治郎氏ノ採集セルモノナルガ稀ナルガ如シ、
分布—本州(京都)

Servillia Suzukii n. sp. (Pl. XXII, Fig. 19, ♀).

Black. Face on each side with a large triangular fulvous spot, oral margin and palpi pale fulvous, proboscis fuscous, face and cheeks with whitish and vertex with black hairs. Antennae brownish, the 3rd joint and the arista fuscous. Thorax with black short and long hairs, scutellum on each side with a fulvous spot. Wings subhyaline, with a grayish tinge, veins fuscous. Calypteres grayish, on the margins dusky, halteres brownish. Abdomen on the first 2 segments black pubescent, the 3rd and 4th with fulvous hairs, the macrochaetae being black. Venter also with a pale fulvous hairs, at the base black pubescent. Legs fuscous, tibiae and tarsi fulvous, claws at the apices fuscous, pulvilli grayish.

Length—18 mm.; exp. 28.5 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki, not common.

(429)

なかのやしのびこ

第二十二圖

(♀)

學名 *Tachina nakanensis* Mats.

昆蟲學上ノ地位 家蠅科 (寄生蠅亞科)

體ハ黑色、頭頂ノ兩側及ビ顔ハ金色、光線ノ工合ニヨリ銀色ヲ表ハス、頬ハ赤褐ニシテ暗褐ノ一紋ヲ具ヘ、觸角ハ暗褐、初メノ二節及ビ端刺ハ褐色、口吻ハ暗褐、小腮鬚ハ黄色、基部ハ少シク暗色ヲ帶ブ、頬及ビ後頭ニ灰黄ノ短毛多シ、胸背ハ黄色粉ヲ密布シ、暗色ノ四縦條ヲ具ヘ、稜狀部ハ褐色、後縁ハ淡色、翅ハ透明、少シク灰色ヲ帶ビ、脈ハ暗褐、翅底ハ淡黄ヲ帶ブ、鱗狀瓣ハ灰白、前鱗瓣ハ少シク黄色ヲ帶ブ、平均棍ハ褐色、基部ハ黄褐、腹部ハ頭胸ヲ合シタルモノヨリ長ク、黑色ニシテ、第二、第三及ビ第四節ノ基部ハ灰黄、光線ノ工合ニヨリ絹様ノ光澤ヲ放ツ、第一及ビ第二腹面節ノ基部ニ灰色ノ一紋アリ、脚ハ黑色、腿節ニ灰黄粉ヲ裝ヒ、爪ハ細長ニシテ褐色、吸盤ハ灰黄、體長四分五厘、開張七分、此ハ東京中野地方ニ普通ナリ、分布一

Tachina nakanensis n. sp. (Pl. XXII, Fig. 20, ♀).

Black. Vertex on the sides and face golden yellow, in a certain light reflecting a silvery luster. Cheeks ferruginous, in the middle with a fuscous spot, grayish yellow pubescent. Proboscis fuscous, palpi yellow, at the bases somewhat infuscated, with short black hairs. Antennae fuscous, the first 2 joints and the arista brownish. Thorax yellowish pruinose, with 4 fuscous stripes, of which the side ones being somewhat broader, scutellum brown, at the tip somewhat paler. Wings hyaline, with a grayish tinge, at the bases yellowish. Veins fuscous. Calypteres grayish white, the anterior ones being somewhat yellowish. Halteres brown, at the bases paler. Abdomen somewhat longer than the thorax and head taken together, conical, at the bases of the 2nd, 3rd and 4th segments grayish yellow pruinose, with a silky luster; the 1st and 2nd ventral segments each in the middle at the base with a grayish white spot. Legs black, femora grayish yellow pruinose, claws very narrow and

long, brownish, pulvilli grayish yellow.

Length—13.5 mm.; exp, 21 mm.

Hab.—Honshu (Nakano near Tokyo); collected by the author, not rare.

(430) しろをびはりばい

第二十二圖 (21) (♀)

學名 *Leskia fasciata* Mats

昆蟲學上ノ地位 家蠅科(寄生蠅亞科)

體ハ天鷲絨様ノ黑色、頭ハ銀白色、光線ノ工合ニヨリ灰色ヲ現ハス、頭頂ノ中央ニアル一縦條ハ黑色、觸角ハ黑色、第三節ハ少シク灰色粉ヲ裝フ、口吻ハ暗褐、小腮鬚ハ褐色、頰ニ灰白毛ヲ裝フ、胸背ハ灰白、前縁ニ黑色ノ短カキ五縦條ヲ具ヘ、中央ニハ太キ黑色ノ一帯アリ、稜狀部ハ黑色、末端ハ少シク灰白ヲ帶ブ、翅ハ透明、少シク暗色ヲ帶ビ、脈ハ暗褐、鱗狀瓣ハ灰白、平均棍ハ黄色、腹部ハ胸部ヨリモ細ク、第二、第三及ビ第四節ハ灰白、後方ニ至ルニ隨ヒ次第ニ其幅ヲ増ス、第三節ニアルモノハ中央ニテ三角形ニ刳ラル、脚ハ黑色、吸盤ハ灰色、體長一分八厘—二分、開張三分分布—本州、四國、九州、

Leskia fasciata n. sp. (Pl. XXII, Fig. 21, ♀).

Velvety black. Head silvery white, face in a certain light grayish, in the middle of the vertex with a broad black stripe.

Antennae black, the 3rd joint somewhat grayish pruinose. Proboscis fuscous, palpi brownish. Cheeks and occiput grayish

pubescent. Thorax grayish white, at the anterior margin with 5 short black stripes, in the middle with a broad black band, scutellum black, at the tip grayish. Wings hyaline, somewhat infuscated, veins fuscous. Calypteres grayish white, halteres yellowish. Abdomen somewhat narrower than the thorax, at the bases of the 2nd, 3rd and 4th segments grayish white, the bands becoming gradually broader towards the apex, the 3rd band being in the middle triangularly incised. Legs black, pulvilli grayish.

Length—5.4—6 mm.; exp. 10.5-12 mm.

Hab.—Honshu, Shikoku, Kiushu.

(431) くろひげながはりばい

第二十二圖 (22) (♀)

學名 *Hemyda nigrata* Mats.

昆蟲學上ノ地位 家蠅科(寄生蠅亞科)

體ハ黑色、顔ハ銀白色、頭頂ハ暗色、黑色ノ二縦條ヲ具ヘ、觸角ノ兩側ハ銀白色、觸角ハ頭ヨリモ長ク、殊ニ第三節ハ頗ル長シ、末端ニテ擴マリ、稍々棍棒狀ヲナス、端刺ハ第三節ノ基部ニ位シ、第三節ヨリモ短カシ、口吻暗褐、小腮鬚黑色、頬及ビ後頭ニ灰白毛多シ、胸部暗灰色、黑色ノ四縦條アリ、中央ニアル二條ハ細クシテ短カシ、翅ハ半透明、黑色、後縁ハ暗色ニシテ稍々透明ナリ、鱗狀瓣ハ灰白、周圍ハ暗色、平均棍ハ褐色、腹部ハ胸部ヨリモ細ク、側面及ビ腹面ニテ銀白色、光線ノ工合ニヨリ中央ニ銀色ノ一縦線ヲ現ハス、脚ハ黑色、腿節ニ灰白粉ヲ裝フ、爪ハ暗褐、吸盤ハ灰黄、體長四分五厘、開張九分、此ハ本州何レノ地ニモ稀ナラズ、
分布—本州、四國、九州、

Hemysda nigrata n. sp. (Pl. XXII, Fig. 22, ♀)

Black. Face shining silvery white, vertex dark, with 2 longitudinal black stripes, on the sides being silvery. Antennae black, the arista somewhat shorter than the 3rd joint. Proboscis fuscous, palpi black. Cheeks and occiput grayish white pubescent. Thorax dark grayish, with 4 black stripes, of which the middle ones being narrower and shorter. Wings subhyaline, dark, at the hind margin somewhat paler. Calypteres grayish white, at the margins dusky. Halteres brownish. Abdomen narrower than the thorax, on the sides and at the venter silvery white, in a certain light with a central silvery stripe. Legs black, femora grayish white pruinose, claws fuscous, pulvilli grayish yellow.

Length—1.3.5 mm.; exp. 27 mm.

Hab.—Honshu, Shikoku, Kiushu, not rare.

(432) あしながはりばい

第二十二圖 (23) (♀)

學名 *Chaetona japonica* Mats.

昆蟲學上ノ地位 家蠅科あしながはりばい亞科 (Dexiinae)

體ハ黑色、少シク灰色粉ヲ装フ、頭ハ銀白色、頭頂ニアル太キ一縦條ハ暗褐、觸角ハ暗色、端刺ハ羽狀毛ヲ有ス、口吻及ビ小腮鬚ハ黃褐、前者ノ吸收面ハ少シク暗色ヲ帶ブ、頬ニ灰白ノ短毛多シ、胸背ノ前縁ニ細キ暗色ノ四縦條アレドモ餘リ判然セズ、肩部ニ灰白粉ヲ装フ、稜狀部ノ末端ハ褐色、翅ハ透明、少シク灰黄ヲ帶ビ、翅底ハ黄色、脈ハ淡黃褐、鱗狀瓣ハ灰白、周圍ハ灰黄、平均棍ハ淡黄褐、頭狀部ニ暗色部アリ、腹部ハ淡黃褐、第一節基部、中央ノ太キ背縁及ビ尾端ハ黑色、第四節ノ兩側ニ白粉ヲ装フ、黒毛多ク、尾端ニアルモノハ長シ、尙腹面ノ中央ニモ一黒縦條アレドモ背上

ニアルモノヨリモ細シ、脚ハ長ク、黒色、膝ハ淡黄褐、爪ハ褐色、吸盤ハ灰黄、體長三分五厘、開張七分、此ハ札幌地方ニ普通ナリ、分布—北海道、本州、

Chaetona japonica n. sp. (Pl. XXII, Fig. 23, ♀).

Black, grayish pruinose. Head silvery white, vertex in the middle with a broad fuscous stripe. Antennae fuscous; proboscis and palpi orange yellow, the former at the sucking surface somewhat infuscated; cheeks and occiput grayish pubescent. Thorax with 4 narrow short black stripes, humeri densely grayish white pruinose. Scutellum at the tip brownish. Wings hyaline, with a grayish tinge, at the base yellowish, veins pale fulvous. Calypteres grayish white, on the margins pale fulvous. Halteres pale fulvous, the knob with a fuscous spot. Abdomen pale fulvous, the first segment at the base, a broad central stripe and the last segment black, the latter on the sides grayish white pruinose; the venter in the middle with a narrow black stripe. Legs black, knees fulvous, claws brown, pulvilli grayish yellow.

Length—10.5 mm.; exp. 21 mm.

Hab.—Hokkaido, Honshu (not rare).

(433)

せすぢあしながはりばい

第二十二圖 (24) (♀)

學名 *Dexia rustica* F.

昆蟲學上ノ地位 家蠅科(あしながはりばい亞科)

體ハ淡黄褐、頭胸ニ金色ノ光澤ヲ帶ブ、觸角ハ橙黄色、端刺ニアル羽狀毛ハ褐色、口吻ハ淡黄、小腮鬚ハ黄色ナレドモ短カクシテ判然セズ、頬ニ短カキ黒毛ト灰色毛ヲ裝フ、胸背ニハ細キ黒色ノ四

縱條アリテ、何レモ横皺線ノ處ニテ遮斷セラレ、兩側ニアルモノハ太クシテ短カシ、稜狀部ニアル剛毛ハ胸部ニアルモノヨリモ長シ、翅ハ透明、少シク灰黄ヲ帶ビ、脈ハ淡黄褐、鱗狀瓣ハ灰白、平均棍ハ淡黄、腹部ノ中央ニハ暗褐ノ一縱條ヲ具ヘ、之レハ尾端ニ達セズ、各節ノ基部ニ金色ヲ放テル一帯ヲ具ヘ、第四節ニアルモノハ殊ニ太シ、第四節及ビ第五節ニハ剛毛多シ、腹面ニテ暗褐ノ一縱條アリ、脚ハ頗ル長ク、淡黄褐ニシテ、跗節ハ暗褐、爪ハ灰黒、吸盤ハ灰黄、體長四分、開張七分、此ハ本邦何レノ地ニモ普通ナリ、
分布—北海道、本州、四國、九州、

(434) こはだながはりばい

第二十二圖 (25) (♀)

學名 *Anisia towadensis* Mats.

昆蟲學上ノ地位 家蠅科寄生蠅亞科

體ハ黑色、灰白粉ヲ裝フ、頭ハ光線ノ工合ニヨリ銀白色、頭頂ノ縱條ハ暗褐、觸角ハ淡黄褐、第三節末端ノ三分ノ二ハ褐色、端刺ハ褐色ニシテ微毛ヲ裝フ、口吻ハ暗褐、末端及ビ小腮鬚ハ黄褐、後者ノ基部ハ少シク暗色ヲ帶ブ、頬ニ灰白毛多シ、胸部ノ兩側ニハ灰白粉多ク、前縁ニ黑色ノ四縱條アレドモ判然セズ、稜狀部ニ四剛毛ヲ具ヘ、之レハ胸部ニアルモノヨリ長シ、翅ハ透明、淡黄褐ヲ帶ビ、脈ハ淡黄褐、鱗狀瓣ハ灰白、平均棍ハ淡黄、腹部ハ黑色、圓柱形ニシテ長ク、尾端ハ少シク細マル、第一及ビ第二節ハ腹面ニ渡リテ淡黄褐、第二節ノ兩側ニ一暗色紋ヲ具ヘ、第三節ノ基部ノ

兩側ニ灰白ノ一大紋アリ、尾端ニ剛毛多シ、脚ハ黑色、脛節ハ黄褐、黒毛多シ、爪ハ淡黄褐、吸盤ハ灰黄、體長四分、開張六分五厘、此ハ青森十和田湖畔ニ採集セルモノナルガ稀ナラザルガ如シ、分布—本州(青森十和田)。

Anisia towadensis n. sp. (Pl. XXII, Fig. 25, ♀)

Black, grayish white pruinose. Head silvery white, in a certain light grayish, frontal vitta fuscous' opaque; antennae pale fulvous, the 3rd at the apical two thirds brownish, the arista brown, fine pubescent. Proboscis fuscous, at the apex fulvous, palpi fulvous, with short black hairs. Cheeks and occiput with grayish hairs. Thorax on the sides densely grayish white pruinose, at the anterior part with 4 indistinct black stripes. Scutellum with 4 long macrochaetae. Wings hyaline, with a pale fulvous tinge, veins pale fulvous. Calypteres grayish white, halteres pale yellowish. Abdomen black, cylindrical, the 1st and 2nd segments each at the sides pale fulvous, a fuscous spot on each side of the 2nd, the 3rd on the sides with grayish white pruinose spot; venter pale fulvous, at the apex black. Legs black, tibiae fulvous, with dense black hairs, claws pale fulvous, pulvilli grayish yellow.

Length—12 mm.; exp. 19.5 mm.

Hab.—Honshu (Towada-lake near Aomori); not common.

(435) へうたんはりばい

第二十二圖 (26) (♀)

學名 *Ocypeta pandulata* Mats.

昆蟲學上ノ地位 家蠅科寄生蠅亞科)

體ハ黑色、頭ハ黄金色、頭頂ノ縦條ハ黑色、觸角ハ黑色ニシテ少シク灰色粉ヲ装ヒ、端刺ハ全觸角節ト同長、口吻ハ暗褐ニシテ膝狀ヲ呈シ、小腮鬚ヲ缺ク、頬及ビ後頭ハ黑色ニシテ灰白粉ヲ装フ、

胸部ハ暗褐、肩部ハ灰白ニシテ中央ハ少シク黄色ヲ帶ブ、翅ハ透明、灰色ヲ帶ビ、翅底及ビ脈ハ淡黄褐、末端ニテハ暗褐、鱗狀瓣ハ灰白、周縁ハ淡黄、平均棍ハ黄色、腹部ハ基部ニテ細ク、末端ハ稍々棍棒狀ヲ呈ス、第二、第三及ビ第四節ノ基部ニ灰白粉ヲ裝ヒ、第四節ニアルモノ最モ幅廣シ、生殖器ハ黄褐、脛節黑色、轉節ノ末端ハ黄褐、前肢ノ腿節及ビ脛節ニ灰白粉ヲ裝フ、爪ハ黄褐、吸盤ハ灰黄、體長三分五厘、開張五分二厘、此ハ日光地方ニ稀ナラス、
分布—本州(日光)

Ocypeta pandulata n. sp. (Pl. XXII, Fig. 26, ♀)

Black. Head golden yellow, frontal vitta and antennae black, somewhat grayish pruinose, the arista as long as the whole antennal joints taken together. Proboscis fuscous. Cheeks and occiput black, grayish pruinose. Thorax fuscous, humeri grayish white, in the middle yellowish. Wings hyaline, with a grayish tinge, at the base and veins pale fulvous, the latter at the apices fuscous. Calypteres grayish white, on the margins pale fulvous, halteres yellowish. Abdomen clavate, the 2nd, 3rd and 4th segments each at the base with a grayish white pruinose band, the 4th band being broader; genital organ fulvous. Legs black, trochanter at the apices fulvous, the anterior femora and tibiae grayish white pruinose, claws fulvous, pulvilli grayish yellow.

Length—10,5 mm.; exp. 15,6 mm.

Hab.—Honshu (Nikko); not rare.

(436)

まがりはりばい

第二十二圖 (27)

(♀)

學名 *Phania sapporensis* Mats.

昆蟲學上ノ地位 家蠅科寄生蠅亞科)

體ハ黑色、頭ハ銀白、後頭ハ黑色ニシテ灰白粉ヲ裝フ、頭頂ノ縱條ハ暗褐、觸角ハ黑色、口吻ハ光澤アル黑色、基節及ビ末端ハ黃褐、頰ニ灰白毛多シ、胸部ニハ灰白粉ヲ具ヘ、殊ニ肩部ニテ顯著ナリ、稜狀部ニハ六本ノ剛毛アリテ其内後縁ノ二本ハ小ナリ、翅ハ半透明、灰褐ヲ帶ビ、翅底ハ橙黃色、脈ハ黃色、末端ニテ暗褐、鱗狀瓣ハ灰白、平均棍ハ黃褐、腹部ハ橙黃色、第一節ノ基部ニアル三角紋及ビ尾端ノ二節ハ黑色、生殖器ハ下方ニ曲リ、末端ハ黃褐ヲ呈ス、脚ハ黑色、少シク灰色粉ヲ裝フ、爪ハ褐色、吸盤ハ灰色、體長四分、開張六分、此ハ札幌地方ニ産スレドモ稀ナリ、分布—北海道(札幌)

Phania sapporensis n. sp. (Pl. XXII, Fig. 27, ♀).

Black. Head silvery white, occiput black, grayish pruinose; frontal vitta fuscous, antennae black, somewhat grayish pruinose. Proboscis shining black, at the base and apex fulvous. Cheeks with grayish white hairs. Thorax grayish white pruinose, on the humeri conspicuous. Wings subhyaline, grayish brown infuscated, at the base and costa orange yellow, veins fulvous, at the apices fuscous. Calypteres grayish white, halteres fulvous. Abdomen orange yellow, a triangular spot at the base of the first and the last 2 segments black, genital organ at the apex fulvous. Legs black, grayish pruinose, claws brown, pulvilli grayish.

Length—12 mm.; exp. 18 mm.

Hab.—Hokkaido, (Sapporo); rare.

(437) くろいへばい

第二十二圖 (28) (♂)

學名 *Musca corvina* F.

昆蟲學上ノ地位 家蠅科

體ハ黑色、顔ハ銀白色、觸角ハ黑色、端刺ノ羽狀毛ハ褐色、口吻ハ暗褐、黒毛ヲ裝フ、胸背ニハ灰白粉ヲ具ヘ、前縁ニテ銀色ヲ現ハス、黒色ノ四縦條アリテ何レモ後縁ニ達セズ、黒色ノ黒毛及ビ短毛ヲ裝フ、翅ハ透明、少シク灰黄ヲ帯ビ、脈ハ暗褐、鱗狀瓣及ビ平均棍ハ灰黄、腹部ハ灰黄、第一節ノ基部、背線及ビ尾端ハ黑色、各節ノ接合部ハ多少暗色ヲ帯ビ判然ス、第二及ビ第三節ニ數個絹様ノ斑紋アリテ、光線ノ工合ニヨリ大ニ其形ヲ變ズ、黒毛アレドモ剛毛ヲ缺ク、第一腹節ノ中央ニモ暗色ノ一縦條アリ、脛ハ黑色、吸盤ハ灰白、體長三分、開張六分、此ハ家畜房ニ普通ナル種類ニシテ從テ山間ノ家屋ニ多シ、普通家屋ニ住セズ、分布—全土(世界共有)、

(438) つまぐろはなばい

第二十二圖 (29) (♂)

學名 *Stomorphina obsolata* Wied.

昆蟲學上ノ地位 家蠅科

體ハ黒綠色、鑛物様ノ光澤アリ、顔ハ鼻狀ヲナシテ前方ニ突出シ、觸角ハ暗褐、端刺ニハ羽狀毛ヲ

具へ、其基部ハ黄褐、口吻ハ暗褐、頰ハ灰黄ニシテ灰色ノ短毛多シ、胸背ニハ小黒點ヲ密布シ、兩側ニアルモノハ相連續ス、黒色ノ短毛ヲ裝フ、稜狀部ノ後縁ハ細ク灰黄、翅ハ透明、少シク灰黄ヲ帶ビ、脈ハ黄色、前縁ノ末端ニ近ク一暗色紋アリ、鱗狀瓣ハ灰黄、平均棍ハ黄色、腹部ハ黒色、第一、第二及ビ第三節ノ兩側ハ黄色、第二及ビ第三節ノ兩側ニ暗色ノ小點ヲ散在ス、第二節ノ黒斑ハ工字形ヲナス、腹面ハ全部黄色、脚ハ黒色、脛節及ビ跗節ハ何レモ末端ヲ除キ黄色、何レモ黒毛ヲ密生ス、吸盤ハ灰白、末端ハ暗色、體長二分五厘、開張五分内外、此ハ本邦何レノ地ニモ普通ナリ、分布—北海道、本州、四國、九州、沖繩、臺灣、支那、印度、歐洲、

(439) つまぐろほそはなばい

第二十二圖 (30) (♀)

學名 *Rhinia discolor* F.

昆蟲學上ノ地位 家蠅科

體ハ黒色ニシテ少シク綠色ヲ帶ブ、頭頂ハ暗褐、顔ハ前種同様ニ前方ニ突出ス、口吻ハ長大ニシテ暗褐、小腮鬚ハ褐色ニシテ杓子狀ヲナス、觸角ハ黄褐、第三節ハ少シク濃色、羽狀ノ端刺ハ褐色、基部ハ黄色、胸部ニハ小點刻ヲ散在シ、之レヨリ各一黒毛ヲ生ズ、翅ハ稍々透明ニシテ淡黄褐ヲ帶ビ、末端ハ少シク暗褐ヲ帶ブ、脈ハ黄色、鱗狀瓣ハ灰黄、平均棍ハ淡黄、腹部ハ淡黄褐、第三節ノ中央及ビ第四節兩側ヲ除キハ暗褐、腹面ハ全部淡黄褐、脚ハ黒色、脛節及ビ跗節ハ淡黄褐、跗節ノ末端ハ暗色、爪ハ黒色、基部ハ黄褐、吸盤ハ灰黄、體長二分六厘、開張四分、此ハ九州及ビ臺灣地

方ニ稀ナラズ、

分布—九州、臺灣、

(440) えぞはなばい

學名 *Phasia jezoensis* Mats.

昆蟲學上ノ地位 家蠅科

體ハ黑色、前頭ノ兩側ハ黃金色、頭頂ハ暗褐、顔ハ黃白、黒毛ヲ具ヘ、頬及ビ後頭ニハ灰白毛多シ、觸角ハ暗褐、口吻ハ長ク、褐色、小腮鬚ハ橙黃色、細長ニシテ末端ハ棍棒狀ヲナス、胸部ハ光澤ヲ缺ク、黒毛ヲ裝フ、稜狀部ハ黃褐、基部ハ暗褐、黒毛多シ、翅ハ半透明、灰色ヲ帶ビ、翅底ハ黃色、脈ハ灰黃、鱗狀瓣ハ灰黃、平均棍ハ黃色、腹部ハ稍々圓形、淡黃褐ニシテ、短カキ黒毛ヲ裝ヒ、第三節ノ兩側ニ暗色ノ小紋アリ、脚ハ淡黃褐、脛節ノ末端及ビ跗節ハ暗褐、爪ハ褐色、吸盤ハ灰黃、體長四分二厘、開張七分六厘、此ハ六月中旬札幌地方ノ撒形科植物ノ花上ニ捕獲シ得ベシト雖ドモ餘リ多カラズ、

分布—北海道、(札幌)、

Phasia jezoensis n. sp. (Pl. XXIII, Fig. 1, ♀).

Black. Front on the sides golden yellow, vertex fuscous, with fuscous hairs, face and cheeks pale yellowish, with grayish hairs. Antennae dark fuscous. Proboscis brownish, at the base pale yellowish, palpi orange yellow, with short black hairs. Thorax opaque, with black hairs, scutellum fulvous, at the base fuscous. Wings subhyaline, grayish, at the base

第二十三圖 (1) (♀)

yellowish, veins mostly dirty yellow. Calypteres testaceous, halteres yellowish. Abdomen pale fulvous, nearly round, with short black hairs, the 3rd segment on the sides with a fuscous spot. Legs pale fulvous, tibiae at the apices and the tarsi fuscous, claws brown, pulvilli testaceous.

Length—12.6 mm.; exp. 22.8 mm.

Hab.—Hokkaido (Sapporo); not rare on a flower of certain umbelliferous plant.

(441) だ い め う は な ば い

第二十三圖 (2) (♂)

學名 *Alophora daimio* Mats.

昆蟲學上ノ地位 家蠅科

體ハ暗褐、少シク綠色ヲ帶ブ、前頭ハ暗褐、中央ニ褐色ノ一縦條アリテ黒毛ヲ裝フ、觸角ハ暗褐ニシテ短カク、顔及ビ頬ハ黃白ニシテ眞珠様ノ光澤アル灰色毛ヲ裝フ、口吻ハ暗褐ニシテ短カク、小腮鬚ハ褐色ニシテ微小ナリ、胸背ノ兩側ニハ灰白粉ヲ裝ヒ、中央ニ黑色ノ四縦條アレドモ餘リ判然セズ、前半ニ黃毛、後半ニ黒毛ヲ裝フ、胸側ニ金色ノ長毛ヲ簇生ス、後縁ニ黑色ノ剛毛アリ、稜狀部ハ黃褐、黑色ノ短毛ヲ具ヘ、後縁ニハ黃毛ヲ裝ヒ、兩側ニ各一本ノ剛毛アリ、翅ハ大ニシテ稍三角形ヲナシ、半透明、少シク灰色ヲ帶ビ、翅底ハ黃色、中央ニ大ナル暗色紋アリ、第三縦脈上ヲ縱走スル黃線ニヨリテ遮斷セラル、尙翅端モ暗色ナリ、脈ハ黃色、暗色紋上ニアル脈及ビ末端脈ハ暗色、鱗狀瓣ハ鼈甲様ノ暗黃、平均棍ハ橙黃色、腹部ハ大ニシテ稍々卵形、黒紫色、兩側及ビ末端ハ黃褐、短黒毛ヲ密生ス、腹面ハ淡黃褐、脚ハ黑色、後腿節ハ末端ヲ除キ黃褐、脛節ハ褐色、爪

ハ褐色ニシテ頗ル長ク、吸盤ハ灰黄、體長四分二厘、開張九分、此ハ前種同様ニ札幌地方ノ花上ニ捕獲シ得ヘシ、
分布—北海道、(札幌)。

Allophora daimio n. sp. (Pl. XXIII, Fig. 2, ♂).

Fuscous, with a light aeneous tinge. Front fuscous, in the middle with a brown stripe, black pubescent, face and cheeks pale yellowish, with a pearl luster, grayish white pubescent. Proboscis fuscous, palpi brownish. Antennae fuscous. Thorax on the sides grayish pruinose, in the middle with 4 indistinct black stripe, on the anterior half yellowish and on the posterior half black pubescent, on the pleurae with long golden hairs. Scutellum fulvous, at the base fuscous, with short black hairs, on the hind margin mingling some yellowish hairs. Wings large, triangular, subhyaline, grayish, at the base yellow, in the middle with a large fuscous patch, which being interrupted in the middle by a yellowish longitudinal stripe, at the apex somewhat infuscated, veins yellowish, on the fuscous regions the veins being concolorous. Calypteres dirty yellow, subopaque halteres orange yellow. Abdomen large, oval, dark purple, on the sides and at the apex fulvous, with short black hairs; venter pale fulvous, with a silky luster. Legs black, the hind femora except the apices fulvous, the same tibiae brownish, claws brown, pulvilli grayish yellow.

Length—12.6 mm.; exp. 27 mm.

Hab.—Hokkaido (Sapporo); rare on a flower of certain umbelliferous plant.

(442)

くろにやばい

第二十三圖 (♂) (♀)

學名 *Pollenoides kuyanianus* Mats.

昆蟲學上ノ地位 家蠅科

體ハ暗黃褐、光澤ヲ缺キ、顔ハ灰黃ニシテ絹様ノ光澤ヲ帶ブ、觸角ノ兩側ニ各一暗色紋アリ、觸角ハ淡褐、第二節ハ黃褐、端刺ノ基部ハ淡黃、羽状毛ハ褐色、口吻ハ淡黃褐ニシテ短カク、小腮鬚ハ黃白、末端ハ杓子状ニ肥大ス、頰ニハ灰白毛ヲ裝ヒ、後頭ニハ剛毛ヲ列ス、胸背ニ六條ノ暗色縦條アリテ、其内二條ハ判然ス、黒毛ヲ具ヘ、後縁ニハ黃色ノ短毛ヲ混生ス、稜状部ニ黒毛ヲ具ヘ、末端ハ淡色ニシテ毛ヲ缺キ、六個ノ剛毛ヲ裝フ、翅ハ稍々透明、灰黃ヲ帶ビ、前縁翅底ノ半部及ビ脈ハ黃色、鱗状瓣及ビ平均棍ハ灰黃、腹部ハ胸部ヨリ少シク淡色ニシテ稍々光澤ヲ帶ビ、黒色ノ短毛ヲ具ヘ、各節ノ兩側ニ絹様ノ黃白紋アリテ、第四節ニアルモノハ帶ヲナス、各節ノ後縁ハ細ク暗色、後方ニ至ルニ從ヒ其幅ヲ増ス、尙中央ニモ細キ暗色ノ一縦條アリ、脚ハ灰黃、黒毛ヲ具ヘ、爪ハ黒色、基部ハ黃褐、吸盤ハ灰黃、體長四分五厘、開張九分、此ハ臺灣ノ蕃界ニテ捕獲セルモノナリ、分布—臺灣達邦社、くやにや。

Pollenoides kuyaniauus n. sp. (Pl. XXIII, Fig. 3, ♀).

Dark fulvous, opaque. Face testaceous, with a silky luster, on each side of the antennal-incision with a uscous spot. Antennae pale brownish, the 2nd joint fulvous, the arista yellowish, at the apex and the plumose hairs brown. Proboscis fulvous, palpi pale yellow, with short black hairs; cheeks with grayish white hairs, vertex black pubescent. Thorax with 6 indistinct dark stripes, of which the middle 2 being somewhat distinct, with short black hairs, on the hind margin of the mesonotum mingling some short yellowish hairs. Scutellum black pubescent, at the apex being bare. Wings subhyaline, grayish yellow, the basi-costal half and the veins yellowish. Calypteres and halteres grayish yellow. Abdomen somewhat paler than the thorax, with short black hairs, on each side of the segments with a silky pale yellowish spot, those of the 4th segment becoming a band, each hind margin of the segments narrowly fuscous, gradually becoming broader towards the apex, in the middle with a

narrow fuscous stripe. Legs grayish yellow, with black hairs, claws black, at the base fulvous, pulvilli testaceous.

Length—13.5 mm.; exp. 27 mm.

Hab.—Formosa (Tappan, Kuyania); collected by the author, not rare.

Pollenoides n. g.

Much resembles to *Pollenia* Meig., but differs from the latter as follows:

Large pale brownish flies. Proboscis short, porrect, near the apex being constricted and the sucking surface small. Palpi long, at the apex much dilated, somewhat shorter than the proboscis. Antennae reaching nearly to the oral margin, the 3rd joint nearly thrice as long as the first 2 taken together, the arista much longer than the antennae, the plumose hairs very long, nearly to the apex being plumosed. Thorax and abdomen with short depressed hairs, scutellum on the hind margin with 6 long macrochaetae. First posterior cell of the wing widely open. Other characters are alike to those of the *Pollenia*.

Type—*Pollenoides kuyaniensis* Mats.

(443)
うまばい(馬虻)

第二十三圖(4)
(♀)

學名 *Gastrophilus equi* F.

昆蟲學上ノ地位 牛蠅科 (Oestridae)

體ハ黃褐、單眼ノ部分暗色、頭頂ノ兩側、顔及ビ觸角ハ淡黃褐、觸角孔ハ頗ル深ク、顔ニハ灰黃毛多シ、口吻ハ退化ス、胸背ハ暗褐、灰黃毛ヲ密生シ、兩側及ビ後縁ハ黃褐、稜狀部ハ淡黃褐、暗褐及ビ灰黃ノ直立セル毛塊ヲ裝フ、翅ハ半透明、灰黃ヲ帶ビ、中央ニ暗色紋ヲ具ヘ、尙翅端ニモ暗色ノ二點アリ、脈ハ淡黃褐、鱗狀瓣ハ灰白、平均棍ハ燈黃色、腹部ハ各節ノ基部ニテ褐色、第一及ビ

第二節ノ後縁ニテ黄毛及ビ黒毛ヲ混生ス、他節ニハ黄毛ヲ密生ス、尾端ノ二節ハ暗褐ニシテ銳角ヲナシテ下方ニ曲ル、脚ハ淡黄褐、爪ノ末端ハ褐色、體長四分五厘、開張八分五厘、此ハ青森縣地方ニ普通ナレドモ他ニ稀ナルガ如シ、
分布—本州、西比利亞、歐洲、北米、

(444) きあしべつかうばい

第二十三圖 (5) (♀)

學名 *Scatophaga melipes* Coq.

昆蟲學上ノ地位 家蠅科

體ハ暗灰色ニシテ少シク綠色ヲ帶ブ、前頭ハ美麗ノ赤褐ニシテ前縁ニテ橙黄色、觸角ノ突起ハ暗褐ニシテ高シ、頭ハ淡黄褐、剛毛ハ黒色、小髭鬚ハ黄色、口吻ハ暗褐、觸角ハ黄褐、第三節ハ褐色、端刺ハ基部ニテ黄褐、胸背ニハ褐色ノ四縦條アリテ何レモ後縁ニ達セズ、翅ハ透明、鼈甲様ノ黄色ヲ帶ビ、脈ハ褐色、平均棍ハ灰黄、腹部ハ稍々卵形ヲ呈シ、第一節及ビ兩側ニ黄毛ヲ具ヘ、他節ニハ黒色ノ短毛ヲ裝フ、脚ハ黄褐、黒毛ヲ具ヘ、爪ハ黒毛、吸盤ハ灰色、體長三分二厘、開張七分、此ハ京都地方ニ普通ナリ、
分布—北海道、本州、四國、

(445) おほはちもごきばい

第二十三圖 (6) (♀)

學名 *Eupyrgota luteola* Coq.

昆蟲學上ノ地位 家蠅科

體ハ褐色、頭ハ黃褐、大ニシテ頭頂凹陷シ、觸角砧ノ部分突出ス、觸角溝ハ暗褐、觸角ハ黃褐、第二節ニ短毛多ク、第三節ハ第二節ト同長ニシテ基部太シ、端刺ハ黃色ニシテ觸角ト約同長、口吻及ビ小腮鬚ハ褐色、胸部ハ暗褐、肩部、中胸背ノ判然セザルニ縦條、兩側及ビ稜狀部ハ黃褐、翅ハ籠甲様ノ褐色、外縁ノ四分ノ一及ビ横脈上ノ一點ハ少シク暗色ヲ帶ブ、脈ハ黃褐、平均棍ハ黃褐、腹部ハ黃褐、第一節ハ後縁ヲ除キ暗褐、暗褐毛多シ、尾節ハ頗ル長ク、少シク紫色ヲ帶ビ、生殖器ハ下方ニ曲ル、脚ハ黃褐、腿節ハ末端ヲ除キ腿節上面ノ末端ニ黑色ノ剛毛多シ、體長三分、開張一寸二分、此ハ岐阜及ビ京都地方ニ産スレドモ其數多カラズ、分布—本州(岐阜、京都)。

(446) おほもりはちもごきばい

第二十三圖 (7) (♀)

學名 *Eupyrgota Omorii* Mats.

昆蟲學上ノ地位 家蠅科

前種ニ酷似スレドモ其異ナル所ハ左ノ如シ、

- 一、體ハ遙ニ小ナルコト、體長五分、開張一寸一分、
 - 二、體ハ淡黃褐、觸角孔ハ前種ノ如ク暗褐ナラズ、口吻ノ周縁ハ暗褐、口吻ハ淡黃褐、頰ニ暗褐ノ一紋アリ、觸角ハ全部淡黃褐、
 - 三、翅ハ透明ニシテ少シク灰黃ヲ帶ビ、脈ハ淡黃褐、中央ノ横脈ハ暗褐、第二及ビ第三底室ハ透明無色、平均棍ハ黃白、
 - 四、腹部ハ淡黃褐、黃褐毛ヲ裝フ、生殖器ハ小ニシテ末端少シク下方ニ曲ル、
 - 五、脚ハ淡黃褐、黃褐毛ヲ具ヘ、腿節上面ノ末端ニ剛毛少ナク、下面ニ褐色ノ小刺ヲ列ヌ、
- 此ハ盛岡ニテ大森順造氏ノ採集セルモノナルガ稀ナルガ如シ、
分布—本州(盛岡)。

Eupyrgota Ōmori n. sp. (Pl. XXXIII, Fig. 7, ♀).

Much resembles to *E. luteola* Coq., but differs from the latter as follows :

1. Body smaller and narrower.
2. Body pale fulvous, the antennal grooves not fuscous ; oral margin and a spot on the outer side of the cheek fuscous ; proboscis and antennae pale fulvous.
3. Wings subhyaline, with a grayish tinge, only the 2nd and 3rd basal cells being hyaline ; veins fulvous, the middle cross-vein fuscous. Halteres pale fulvous.
4. Abdomen pale fulvous, with yellowish hairs, genital organ being much smaller and curving a little downwardly.
5. Legs pale fulvous, with the concolorous hairs, near the apices of the femora above not being provided with long bristles, beneath with 2 rows of brownish short spines.

Length—15 mm.; exp. 33 mm.

Hab.—Honshu (Morioka); collected by Prof. J. Omori.

(447) おほまだらばい

第二十三圖 (8) (♀)

學名 *Platysoma tegulare* Loew.

昆蟲學上ノ地位 家蠅科

體ハ暗灰色、頭頂ハ淡褐、兩側及ビ顔ハ灰白、觸角溝ハ深ク、其下方ニ各一個ノ黑縦紋ヲ具ヘ、頬ハ淡黄褐、口吻ハ暗褐、觸角ハ淡褐、頭頂及ビ口縁ニ灰白ノ短毛アリ、胸背ニ灰白ノ六縦條アリテ、兩側ノ四條ハ横皺溝ノ後方ニ位シ、中央ニアル二條ハ相近接シ、後縁ニ達セズ、灰白ノ短毛多シ、稜狀部ニハ灰白ノ短毛多ク、末端ニ六個ノ剛毛ヲ裝フ、翅ハ透明、暗色紋ヲ散在シ、中央及ビ末端ニ近ク暗色ノ一帯アリテ、内方ニアルモノハ短カク、後縁ニ達セズ、脈ハ褐色、縁紋ハ少シク濃色、鱗狀瓣ハ灰白、平均棍ハ黄色、腹部ハ小、灰白毛多ク、第三節ノ兩側ニ淡黄褐紋ヲ具ヘ、尾端ノ二節ハ黑色ニシテ細シ、脚暗褐、跗節ハ末端ヲ除キ黄褐、爪ハ黑色、吸盤ハ灰色、體長三分八厘、開張七分五厘、此ハ日光地方ニ稀ナラズ、分布—本州、九州、歐洲、

(448) みすぢみばい

第二十三圖 (9) (♀)

學名 *Dacus trivittatus* Wlk.

昆蟲學上ノ地位 家蠅科(はまだらばい亞科) (Trypetinae)

體ハ黑色、頭ハ黃褐、頭頂ニ數個ノ暗色紋ヲ具ヘ、顔ニ黑色ノ二紋アリ、口吻ハ褐色、小腮鬚ハ淡黃褐、觸角ハ黃褐、内側ハ淡黃褐、胸部ニ黄色ノ三縱條アリ、何レモ横皺溝ノ後方ニ位シ、後縁ニ達セズ、肩部及ビ胸側紋(中胸及ビ後胸ノ兩側)ハ淡黃褐、稜狀部ハ褐色、基部ハ黄色、平均棍ハ黄色、頭狀部ニ少シク橙黄色ヲ帶ビタル部分アリ、翅ハ透明、少シク黄色ヲ帶ビ、前縁、第六脈上ノ一縱條并ニ横脈上ノ一横線ハ暗褐、脈ハ褐色、腹部ハ黑色、第一節及ビ各節ノ後縁ハ黃褐、第五及ビ第六節ハ黄色ニシテ、第五節ニハ灰黄ノ短毛多ク、中央ニ暗褐ノ一縱條アリ、脚ハ黄色、後肢ノ基節、腿節ノ末端并ニ脛節ハ褐色、爪ハ黄色、末端ハ褐色、體長三分、開張五分五厘、此ハ九州及ビ臺灣地方ニ普通ナル種類ニシテ幼蟲ハ柑橘ノ果實中ニ蠹入シ、大害ヲナスコトアリ、分布—本州、九州、臺灣、支那、

(449) やへやまみばい

第二十三圖 (10) (♀)

學名 *Dacus yayeyamanus* Mats.

昆蟲學上ノ地位 家蠅科(はまだらばい亞科)

體ハ淡黃褐、顔ノ兩側ニ一個ノ黑紋アリ、口吻ハ褐色、第二觸角節ノ内側ニ暗褐ノ一縱條ヲ具ヘ、前頭ノ中央及ビ頭頂ノ兩側ニ各一個ノ褐色紋アリ、灰白ノ微毛ヲ裝フ、胸背ニ小點刻ヲ密布シ、黑色ノ二縱條アリテ横皺線ノ處ニテ少シク近接ス、中央ニハ暗色ノ細キ一縱條アリ、尙肩部ノ後方ニ

黒紋、中胸背ノ後縁兩側ニ短カキ黒縦條ヲ具ヘ、尙後胸背ノ後縁ニ黒色ノ二縦條アリ、黃白ノ短毛ヲ密生ス、稜狀部ノ後縁ニ黒褐ノ四剛毛アリ、胸下ニ黒縦條ヲ具ヘ、白粉ヲ裝フ、翅ハ透明、少シク黃色ヲ帶ビ、前縁及ビ第六脈上ヲ縱走スル一條ハ暗色、前縁ニアル暗色線ハ翅端ニテ増幅ス、脈ハ淡黃褐、平均棍ハ黃白、腹部ニ黃白ノ短毛多ク、兩側、第二節ノ中央紋、第三節ノ基節ニアル一帯、並ニ之レヨリ尾端ニ達スル中央條ハ黒色、脚ハ淡黃、腿節ノ末端ニ近ク暗色ノ一紋アリ、爪ハ黄色、末端ハ黒色、體長三分、開張六分五厘、此ハ沖繩八重山ニテ黒岩恒氏ノ採集セルモノナルガ稀ナラザルガ如シ、
 分布—沖繩(八重山)、

Dacus yayeyamannus n. sp. (Pl. XXIII, Fig. 10, ♀).

Pale fulvous. Face on each side with a fuscous spot. Proboscis brownish. Vertex on each side with a brownish spot, in the middle of the front a brownish patch, with very short fine yellowish hairs. Antennae pale fulvous, the 2nd joint with a fuscous stripe interiorly. Thorax finely punctulated, pale yellowish fine pubescent, in the middle with 2 black stripes, which becoming nearer each other at the suture, between these stripes a narrow brownish stripe, behind the humerus with a fuscous spot, mesonotum near the hind margin on each side with a short fuscous stripe; scutellum fine punctulated, with 4 black bristles at the hind margin, metanotum with 2 fuscous stripes. Wings hyaline, with a light yellowish shade, costa (becoming broader towards the apex) and a stripe upon the 6th vein pale fuscous, veins pale fuscous. Halteres pale yellowish. Abdomen pale yellowish fine pubescent, the side and middle-spots of the 2nd segment, a band at the base of the 3rd, a central vitta from this band to the apex, fuscous. Legs pale yellowish, femora near the apices each with a large fuscous spot, claws yellow, at the apices black.

Length—9 mm.; exp. 19.5 mm.

Hab.—Okinawa (Yayeyama Island); collected by Mr. M. Kuroiwa.

(450) みかごはまだらばい

第二十三圖 (11) (♀)

學名 *Trypeta mikado* Mats.

昆蟲學上ノ地位 家蠅科(はまだらばい亞科)

體ハ黃色、口縁上ノ短カキ一横線ハ暗色、小腮鬚ニ短カキ黒毛ヲ粗生ス、觸角ノ第一及ビ第二節ニ黒毛多ク、端刺ハ暗色、基節ハ黄色、羽状毛ハ暗色、頰及ビ頭頂ニハ黒毛ノ短毛ヲ細生ス、剛毛ハ何レモ黒色、胸背ニハ黄白ノ短毛ヲ密生シ、白粉ヲ装フ、暗褐ノ太キ二縦條アリテ、横皺線ニテ外側ニ於テノミ遮斷セラル、稜状部ハ飴色ノ黄色、胸側ハ暗褐、中央ニ黄色ノ一斜條アリ、後胸背ハ光澤アル黒色、翅ハ透明、少シク黄色ヲ帯ビ、黒色ノ四帶アリテ初メノ二帶ハ前縁ニテ相合シ、外縁ノ一帯ハ太ク、前縁ニテ増幅ス、脈ハ黄褐、平均棍ハ淡黄、腹部ハ細長、尾端ニテ尖リ、兩側(廣ク)及ビ尾節ハ黒色、黒色ノ短毛多シ、脚ハ淡黄、中後ノ兩脛節ハ末端ヲ除キ褐色、黒毛多シ、爪ハ黄色、末端ハ黒色、體長三分、開張六分五厘、此ハ札幌地方ニ普通ナリ、分布—北海道(札幌)。

Trypeta mikado n. sp. (Pl. XXIII, Fig. 11, ♀)

Yellowish. A transverse spot above the epistoma fuscous, palpi with short sparse black hairs. The 1st and 2nd antennal joints with short black hairs, the arista fuscous, at the base yellow, the plumose hairs fuscous. Cheeks, front and vertex with short black hairs. Thorax densely covered with short pale yellowish hairs, white pruinose, with 2 broad fuscous stripes, which being emarginated at the suture outwardly. Scutellum pale yellowish, with 4 macrochaetae at the hind margin. Pleurae fuscous,

in the middle with an oblique yellowish band, metanotum pitchy brown. Wings hyaline, with a light yellowish tinge, with 4 black bands, of which the first 2 being united at the costa, the outermost one being broadest, broader at the costa, veins pale fulvous. Halteres pale yellowish. Abdomen on the sides (broadly) and pygidium pitchy brown, with short black hairs. Legs pale yellowish, the middle and posterior tibiae except the apices brownish, with short black hairs, claws yellowish, at the apices black.

Length—9 mm.; exp. 19.5 mm.

Hab.—Hokkaido (Sapporo); common.

(451) たてきはまだらばい

第二十三圖 (12) (♂)

學名 *Trypeta scutellaris* Mats.

昆蟲學上ノ地位 家蠅科(はまだらばい亞科)

體ハ淡黃褐、單眼ノ部分暗褐、第三觸角節ハ基部ヲ除キ褐色、端刺ハ褐色、基部ハ黃色、頰、後頭及ビ小腮鬚ニ黒毛多シ、胸背ハ兩側ヲ除キ褐色、灰白ノ微毛ヲ粗生ス、稜狀部ハ黃白、翅ハ透明、外半ノ前緣、翅端及ビ横走セル五帶ハ暗褐、第一帶ハ翅底ニ近位シ、第二帶ハ少シク内方ニ弓狀ニ曲ル、第三帶ハ短カクシテ前緣ニ達セズ、第四帶ハ端直、第五帶ハ淡色ニシテ斜走シ、前緣ニ達セズ、脈ハ黃色、平均棍ハ黃白、腹部ハ暗褐、第一及ビ第二節ノ兩側ハ褐色、脚ハ黃色、後腿部ノ末端ハ少シク褐色ヲ帶ブ、黒色ノ短毛多シ、爪ハ黒色、基部ハ黃色、體長二分三厘、開張五分、此ハ札幌及ビ十和田地方ニ普通ナリ、分布—北海道(札幌、本州(十和田))

Trypeta scutellaris n. sp. (Pl. XXIII, Fig. 12, ♂).

Pale fulvous. Vertex at the ocellar region fuscous. The 3rd antennal joint except the base and the arista brownish, the latter at the base being yellowish. Cheeks, palpi and occiput with short black hairs. Thorax brownish, on the side pale fulvous, fine grayish pubescent. Scutellum pale yellowish. Wings hyaline, with a light yellowish tinge, the apico-costal and outer margins, as well as 5 bands fuscous; the first band situated near the base and narrower, the 2nd somewhat curved towards the base, the 3rd short, not reaching to the costa, the 4th straight, the 5th paler, somewhat oblique, and not reaching to the costa; veins yellowish. Halteres pale yellowish. Abdomen, fuscous, the 1st and 2nd segments on the sides brownish, black pubescent, near the base with pale yellowish hairs. Legs yellow, the hind femur near the apex somewhat infuscated, with short black hairs; claws black, at the bases yellowish.

Length—7 mm.; exp. 15 mm.

Hab.—Hokkaido (Sapporo), Honshu (Towada); common.

(452)

えすはまだらばい

第二十三圖 (13) (♂)

學名 *Trypeta S-nigrum* Mats.

昆蟲學上ノ地位 家蠅科はまだらばい亞科)

體ハ淡黃褐、前頭ハ少シク褐色ヲ帶ブ、觸角ノ端刺ハ暗色、基部ハ黃色、單眼ノ部分暗褐、胸背ノ前縁ニ二條ノ黑紋アリ、後頭ノ後方ニアリテ見ヘズ、中央ニ灰色ノ一縦條アレドモ判然セズ、黑色ノ微毛ヲ裝フ、稜狀部ノ後縁ニ四個ノ長剛毛ヲ具ヘ、後胸背ニ太キニ黑條アリ、翅ハ透明、翅底ノ半部ハ黃色、外半ニS字形ノ暗褐紋アリ、其末端ハ翅端ニ位ス、第三脈ノ中央ニ暗褐ノ一紋アリテ之レヲ貫キテ黃色ノ短カキ一帯アリ、脈ハ黃色、平均棍ハ淡色、腹部ニ黑毛ヲ粗生シ、第三及ビ第

四節ニ少シク褐色ヲ帶ビタル部分アリ、脚ハ淡黄褐、黒毛多シ、爪ハ黒色、基部ハ淡黄、體長二分、開張五分五厘、此ハ東京瀧野附近ニテ捕獲セルモノナルガ稀ナルガ如シ、分布—本州(東京瀧野)。

Trypeta S-nigrum n. sp. (Pl. XXIII, Fig. 14, ♂).

Pale fulvous. Front somewhat infuscated, ocellar region fuscous. Antennae fulvous, the arista fuscous, at the base yellowish. Thorax fine black pubescented, mesonotum at the anterior margin with 2 black short stripes, in the middle with an indistinct grayish stripe; scutellum at the hind margin with 4 long bristles; metanotum on the hind margin with 2 broad black stripes. Wings hyaline, on the basal half largely yellowish, on the apical half with a S shaped black mark, which extending towards the apex, in the middle of the 3rd vein a fuscous spot, upon which runs a yellowish short band; veins yellowish. Halteres pale yellowish. Abdomen short black pubescented, the first 2 segments mingling some grayish hairs, the 3rd and 4th with some indistinct brownish patches. Legs pale fulvous, with short black hairs; claws black, at the bases yellowish.

Length—6 mm.; exp. 16.5 mm.

Hab.—Honshu (Takino near Tokyo); collected by the author, not common.

(453) よもぎはまたらばい 第二十三圖 (14) (♀)

學名 · *Trypeta artemisiae* F.

昆蟲學上ノ地位 家蠅科(はまたらばい亞科)

體ハ黄褐、顔ハ淡黄褐、口縁内ノ兩側ニアル突起ハ褐色、觸角ハ顔ト同色、初メノ二節ニ短カキ黒毛ヲ具ヘ、第三節ニアル端刺ハ暗褐、基部ハ淡黄褐、微毛ヲ裝フ、複眼ハ黒色、頭頂ニ黒色ノ剛毛

多シ、胸部ニハ剛毛ノ外微小ノ短毛ヲ粗生ス、稜狀部ニアル剛毛ハ四個ニシテ長大ナリ、後胸背ニ二個ノ黒紋アリ、翅ハ半透明、黄褐ヲ帶ビ、後縁ハ淡色ニシテ稍々透明、中央ニ暗褐ノ二帶アリテ、内方ノモノハ二紋ヨリ成リ連續セズ、翅端ハ暗褐、脈ハ黄色、平均棍ハ褐色、基部ハ淡色、腹部ハ褐色、初ノ二節及ビ尾端ハ淡色、黒色ノ剛毛及ビ小毛アリ、脚ハ黄色、黄色及ビ黒毛ヲ裝ヒ、腿節ノ下面ニアル剛毛ハ長シ、距ハ黒褐、爪ハ黒色、基部ハ黄色、體長一分六厘、開張四分、此ハ北海道及ビ樺太ニ普通ナリ、艾ニ寄生ス、分布—樺太、北海道、亞比利亞、歐洲、

(454) みさきはまだらばい

第二十三圖 (15) (♂)

學名 *Trypeta misakiana* Mats.

昆蟲學上ノ地位 家蠅科(はまだらばい亞科)

體ハ黒色、頭ハ黄色、觸角ハ淡黄褐、端刺ハ褐色、基部ハ黄色、口縁ハ淡黄、小腮鬚ハ淡黄褐、複眼ハ褐色、頬ニ黒色ノ短毛ヲ粗生ス、胸背ニ黒毛多ク、灰黄粉ヲ裝フ、肩部、兩側及ビ稜狀部ハ黄色、但シ後者ノ兩側ハ黒色、四本ノ剛毛アリ、翅ハ透明、白色、黒色ノ太キ四帶アリテ一雙ツ、前縁ニテ相合シ、内方ニアル二帶ハU字形ヲ呈シ、外方ニアル二帶ハV字形ヲ呈ス、脈ハ黄色但シ黒紋上ノ脈ハ黒色、平均棍ハ黄色、腹部ハ光澤ヲ帶ビ、黒色ノ小毛多シ、脚ハ黄色、黒毛及ビ黄色ヲ具ヘ、距及ビ爪ハ黒色、但シ後者ノ基部ハ黄色、體長一分五厘、開張三分八厘、此ハ相州三崎ニテ

捕獲セルモノナルガ餘リ多カラザルガ如シ。

分布—本州相州三崎。

Typeta misakiana n. sp. (Pl. XXIII, Fig. 15, ♂).

Black. Head yellow, antennae pale fulvous, the arista brown, at the base yellowish; oral margin pale yellowish; palpi pale fulvous; compound eyes brown; cheeks with short black hairs. Thorax grayish yellow pruinose, short black pubescent, humerus, pleural stripe and scutellum yellow, the latter on the sides being black. Wings hyaline, whitish, with 2 pairs of black bands, of which the basal one being U-shaped, and the outer one V-shaped; veins yellow, those upon the black bands being black. Halteres yellow. Abdomen shining, with black hairs. Legs yellow, with black and yellow hairs; spurs and claws black, the latter at the bases yellowish.

Length—4.5 mm.; exp. 10.8 mm.

Hab.—Honshu (Misaki in the Prov. Sagami); collected by the author, not common.

(455)

いっしきはまだらばい

第二十三圖 (16) (♂)

學名 *Hexachaeta Isshikii* Mats.

昆蟲學上ノ地位 家蠅科はまだらばい亞科)

體ハ銜色、頭ハ黄色、頭頂ハ金色ノ光澤ヲ放ツ、觸角淡黄褐、端刺ハ褐色、基部ハ黄色、初メノ二節ニ黒毛多シ、小腮鬚ハ淡黄褐、黒毛多シ、複眼ハ褐色、頬ハ半透明ニシテ廣シ、胸部ノ剛毛長ク、黒色ノ短毛多ク、稜狀部ニハ六本ノ剛毛アリテ何レモ長形ナリ、翅ハ透明ニシテ、前縁ハ鼈甲様ノ黄色、前縁、横脈及ビ翅ハ黒色、翅端ノ黒色部ニ圓キ二個ノ白紋アリテ、第三室ニアルモノハ内側

ニテ破レ、完全ナル圓紋ヲナサズ、脈ハ暗黄、末端ニテ黑色、平均棍ハ黄色、腹部ハ胸部ヨリ少シク濃色、微小ノ黑色ヲ密生ス、終三節ノ兩側ニ判然セザル濃色各一紋アリ、第五節ニアルモノ稍々判然ス、脚ハ黄色、黑色ノ短毛多シ、距及ビ爪ハ黑色、後者ノ基部ハ黄色、體長三分五厘、開張八分、此ハ一色周知氏ノ大和大臺ヶ原ニテ採集セルモノナルガ稀ナラザルガ如シ、
分布—本州(大和)、

Hexacheta Isshiki n. sp. (Pl. XXIII. Fig. 16, ♂)

Yellow, subopaque. Vertex golden shining; antennae pale fulvous, the first 2 joints short black pubescent, the arista brownish, at the base yellowish, palpi pale fulvous, black pubescent; compound eyes brown, cheeks with short black hairs. Thorax quite densely covered with short black hairs; scutellum with 6 long macrochaetae. Wings hyaline, pale fulvous, costa, cross-vein and the apex (broadly) black, the latter with 2 white roundish spots, of which the middle one being opened interiorly; veins dirty yellow, blackish on the apical region. Halteres yellow. Abdomen somewhat deeper in color than the thorax, with short black hairs, the last 3 segments each on the sides with an indistinct pale brownish spot, those of the last segment being somewhat conspicuous. Legs yellow, short black pubescent; spurs and claws black, the latter at the bases yellowish.

Length—10.5 mm.; exp. 24 mm.

Hab.—Honshu (Yamato-Odaigahara); collected by Mr. S. Isshiki.

(456) くろはみすぢばい

第二十三圖 (17) (♂)

學名 *Spilographa nigricans* Mats

昆蟲學上ノ地位 家蠅科(はまだらばい亞科)

體ハ黑色、頭頂ハ褐色、複眼ノ内側ハ白色、顔ハ暗褐、兩側ハ黃褐、觸角ハ黃褐、第三節ノ背部及ビ末端並ニ端刺ハ褐色、但シ後者ノ基部ハ黄色、口縁ハ黃褐、小腮鬚及ビ口吻ハ暗褐、胸背ハ黒綠、白粉ヲ裝フ、黑色ノ短毛ヲ粗生ス、稜狀部ハ少シク紫色ヲ帶ビ、四個ノ剛毛ヲ裝フ、翅ハ透明、虹色ヲ現ハス、黑色ノ三帶アリテ内側ニアルモノハ短カク、翅底ノ前縁ニアル黒縦條ト相連續ス、中央ニアル二帶ハ稍々斜走シ、後縁ニ達セズ、翅端ノ前縁モ亦黑色、脈ハ黄色、平均棍ハ黃褐、基部ハ淡色、腹部ハ紡錘形ヲ呈シ、少シク綠色ヲ帶ブ、黑色ノ短毛ヲ裝フ、第一及ビ第二腹面部ハ黃褐、脚ハ黑色、腿部ノ末端、脛部ノ基節及ビ跗節末端ノ二三節ヲ除キハ黄色、黑色ノ短毛多シ、爪ハ黑色、體長一寸三分—一寸五分、開張二分六厘—三分、此ハ札幌地方ニ普通ナリ、分布—北海道、本州、

Spilographa nigricans n. sp. (Pl. XXIII, Fig. 17, ♂).

Black. Vertex and front brown, frontal orbit white, face fuscous, on the sides fulvous; antennae fulvous, the 3rd joint on its back and at the apex, as well as the arista brownish; oral margin fulvous, palpi and proboscis fuscous. Thorax aeneous, white pruinose, short black pubescent. Scutellum with a light indigo shade. Wings hyaline, iridescent, with 3 black bands, of which the inner one being shorter and connected with the black basi-costal stripe, other 2 being nearly of the same length and run parallel each other, apici-costal stripe also black; veins yellowish. Halteres fulvous, at the bases paler. Abdomen spindle-shaped, aeneous, black pubescent, the first 2 ventral segments fulvous. Legs black, apices of the femora, bases of the tibiae and the tarsi (except the apices), yellowish; claws black.

Length—4-4.5 mm.; exp. 7.89 mm.

Hab.—Hokkaido, Honshu (common).

(457) さっぽろはまだらばい

第二十三圖 (18) (♀)

學名 *Rhagoletis sapporensis* Mats.

昆蟲學上ノ地位 家蠅科(はまだらばい亞科)

體ハ暗褐、複眼ノ周圍及ビ顔ハ黃色、顔ノ觸角孔ハ黑色、觸角ハ黃褐、基節ハ少シク褐色ヲ帶ブ、小腮鬚ハ淡黃褐、黑色ノ短毛ヲ裝フ、口吻ハ黃色、胸背ハ小點刻ヲ密布シ、之レヨリ黑色ノ短毛ヲ生ズ、肩部、横皺線上ノ一紋及ビ背線ハ暗黃、翅直下ノ胸側ニモ汚黃白紋アリ、稜狀部ノ後縁ハ黃白、四個ノ剛毛アリ、翅ハ透明、翅端ノ半部ハ暗色、三個ノ白色紋アリ、前縁ニアルモノハ楔狀ヲ呈シ、後縁ニアル二個ハ稍々楕圓形ヲナス、脈ハ暗色、翅底及ビ白紋上ニアル脈ハ黃色、平均棍ハ暗黃、柄部ハ黃色、腹部ハ黑色、光澤ヲ帶ビ、黑色ノ短毛ヲ裝フ、尾端ハ暗褐、脚ハ黃白、腿節ノ末端及ビ脛節ノ基節ハ暗色、黑色ノ短毛多シ、爪ハ暗褐、基節ハ黃色、體長三分、開張六分、此ハ札幌地方ニ産スレドモ餘リ多カラズ、
分布—北海道(札幌)

Rhagoletis sapporensis n. sp. (Pl. XXIII, Fig. 18, ♀).

Fuscous. Head around the eyes and face yellow, the antennal grooves of the latter pitchy brown. Antennae pale fulvous, at the bases somewhat infuscated. Proboscis yellowish, palpi pale fulvous, with short black hairs. Thorax fine punctulated, with very fine short fuscous hairs, humeri, a spot on each side of the suture and a central stripe, dirty yellow, pteropleura and a upper part of the sternopleura dirty pale yellowish; scutellum at the hind margin yellowish white, with 4 macro-

chaetae. Wings hyaline, on the apical half dark, with 3 white spots, one of which being situated at the costal margin and wedge-shaped, the other 2 situated near the hind margin and of an oblong form; veins fuscous, which at the bases and upon the white spots being yellowish. Halteres dirty yellow, the stems yellowish. Abdomen black shining, short black pubescent, 3 narrow apical segments fuscous. Legs pale yellowish, apices of the femora and bases of the tibiae, fuscous, short pubescent; claws black, at the bases yellowish.

Length—9 mm.; exp. 18 mm.

Hab.—Hokkaido (Sapporo); not common.

(458)

ひらやまあみめまだらばい

第二十三圖 (19) (♀)

學名 Tephritis Hirayamae Mats

昆蟲學上ノ地位 家蠅科はまだらばい亞科)

體ハ灰褐、頭ハ淡黃褐、口吻ハ暗褐、小腮鬚ハ白色、末端ハ暗色、黒毛ヲ装フ、顔ハ灰白、觸角ハ淡黃褐、端刺ハ黒色、基部ハ黃白、單眼ノ部分暗褐、胸背ノ前縁ニアル短カキ二條及ビ肩部ハ灰白、全面ニ短カキ白毛ヲ粗生シ、褐色粉ヲ装フ、稜狀部ノ末端ハ少シク灰黃、翅ハ黒色、白色透明ノ小紋ヲ撒布シ爲メニ網目紋ヲ現ハス、翅底ハ透明ニシテ少シク黒紋アリ、翅端ニ近キ前縁ニ大ナル三個ノ白紋アリ、平均棍ハ灰黃、腹部ハ暗褐、中央ニ灰色ノ一縱條ヲ具ヘ、白色ノ小毛ヲ粗生ス、尾節ハ光澤アル黒色、脚ハ黃褐、腿節ハ末端ヲ除キ暗褐、爪ハ黒色、基部ハ黄色、體長一分五厘、開張三分五厘、此ハ東京平山修二郎氏ノ採集セルモノニシテ稀ナラザルガ如シ、分布—本州(東京)。

Tephritis Hirayamae n. sp. (Pl. XXIII, Fig. 19, ♀).

Grayish brown. Head pale fulvous, ocellar region fuscous. Proboscis fuscous, palpi whitish, at the apices dark, with short black hairs. Face grayish white, antennae pale fulvous, the arista black, at the base pale yellow. Mesonotum with very short whitish hairs, on the anterior margin with 2 short grayish white stripes, humeri also grayish white, scutellum at the tip grayish yellow. Wings black, with many small white-spots, at the base hyaline, with a few black spots, at the costa near the tip with 3 large white spots. Halteres grayish yellow. Abdomen with very short whitish hairs, with a grayish central vitta, the last segment shining black. Legs fulvous, femora except the apices fuscous, claws black, at the base yellowish.

Length—4.5 mm.; exp. 10.5 mm.

Hab.—Honshu (Tokyo); collected by Mr. S. Hirayama.

(459) ひらやまあめばい

第二十三圖 (20) (♂)

學名 *Sapromyza Hirayamae* Mats.

昆蟲學上ノ地位 家蠅科(あめばい亞科) (*Sapromyzinae*)

體ハ飴色、頭ハ灰黄、顔ハ灰白、觸角ハ灰黄、端刺ハ黑色、基部ハ灰黄、口吻及ビ小腮鬚ハ灰白、微小ノ黒毛ヲ装フ、胸背ニハ微小ノ黒毛ト同色ノ剛毛ヲ装フ、稜狀部ニハ四個ノ剛毛アリ、翅ハ飴色ニシテ半透明、中央ニアル暗褐帯ハ前縁ニ達セズ、翅端及ビ之レニ近キ前縁ノ一紋ハ暗褐、尙翅底ニ近キ前縁ニ暗褐ノ一紋アリ、平均棍ハ灰黄、腹部ハ淡キ灰黄、黒毛多キ爲メ少シク暗色ヲ帶ブ、各節ノ後縁ハ細ク暗褐、脚ハ淡キ灰黄、黒毛多ク、特ニ跗節ニアルモノ多キヲ以テ暗色ナルガ如シ、爪ノ末端ハ黑色、體長一分六厘、開張三分七厘、此ハ東京駒場地方ニ稀ナラズ、平山修二郎氏ノ採

集セルモノナリ、

分布—本州(東京)。

Sapromyza Hirayamae n. sp. (Pl. XXIII, Fig. 20, ♂).

Pale fulvous, shining. Head testaceous, ace grayish white. Antennae testaceous, the arista black, at the base testaceous. Proboscis and palpi grayish white, with short black hairs. Mesonotum with fine decumbent black hairs, scutellum with 4 macrochaetae. Wings pale fulvous, a middle band somewhat oblique and not reaching to the costa, apex and a spot at the costa near the apex, as well as a spot near the base at the costa, fuscous. Halteres testaceous. Abdomen testaceous, at the base paler, each segment at the hind margin narrowly fuscous, with short black hairs. Legs pale testaceous, with short black hairs, tarsi with the hairs somewhat fuscous; claws at the apices fuscous.

Length—4.8 mm.; exp. 10.0 mm.

Hab.—Honshu (Tokyo); collected by Mr. S. Hirayama.

(460)

たいびんまいばい

第二十三圖 (21) (♀)

學名 *Lonchaea taipinensis* Mats.

昆蟲學上ノ地位 家蠅科(まがばら)亞科 (*Lonchaeinae*)

體ハ黒綠、顔ノ兩側ハ灰白、絹様ノ光澤アリ、觸角ハ黃褐、第三節ハ基部ヲ除キ暗褐、端刺ハ暗褐、基部ハ黄色、口吻及ビ小腮鬚ハ暗褐、褐毛ヲ具ヘ、頬ニハ灰白毛アリ、胸背ニハ微小ノ灰白毛ヲ裝ヒ、鮫肌様ノ小刻ヲ散在シ、前線ノ中央及ビ兩側ニ白粉ヲ裝フ、肩部及ビ後線ニ剛毛アリ、側片ニハ白色ノ小毛ヲ具ヘ、稜狀部ハ紫褐色ヲ帶ビ、四本ノ剛毛ヲ裝フ、翅ハ透明、前線ノ中央、中央及

ビ後縁ニ近キ横脈上ノ一紋、翅端ニ近キ前縁ノ一紋並ニ翅端ハ暗色、脈ハ暗褐、基部ニテ黄色、平均棍ハ白色、腹部ニハ灰白ノ微毛多ク、特ニ第四節ニ最モ多ク、絹様ノ光澤ヲ放ツ、兩側及ビ尾節ハ褐色ヲ帶ブ、脚ハ橙黄色、前肢ノ脛節及ビ跗節ハ暗褐、中後兩跗節ノ末端暗褐ヲ帶ブ、體長二分八厘、開張四分二厘、此ハ臺灣北埔ノ蕃界大坪ニテ捕獲セルモノナリ、分布—臺灣(北埔)。

Lonchaea taipinensis n. sp. (Pl. XXIII, Fig. 21, ♀).

Dark aeneous. Face on the sides grayish white, with a silky luster. Antennae fulvous, the 3rd joint and the arista, both except the bases, fuscous. Proboscis and palpi fuscous, with short brownish hairs. Cheeks with short whitish hairs. Mesonotum with short fine whitish hairs, fine shagreened, on the anterior margin in the middle and on the sides whitish pruinose, pleurae with fine whitish hairs. Scutellum purple brown, with 4 macrochaetae. Wings hyaline, costa in the middle, a spot on each of the cross-veins, a spot at the costa near the apex and the apex; veins fuscous; at the base yellowish. Halteres whitish. Abdomen with fine grayish white hairs, especially on the 4th segment being dense and silky shining. Legs orange yellow, the anterior tibiae and tarsi fuscous, the middle and posterior tarsi at the apices infuscated.

Length—8.4 mm.; exp. 12.6 mm.

Hab.—Formosa (Taipin near Hoppo); collected by the author, not common.

(461)

ひげながりがりばい

第二十三圖 (22)

(♂)

學名 *Tetanocera scutellata* Mats

昆蟲學上ノ地位 家蠅科(がりばい亞科) (Sciomyzinae)

體ハ灰褐、灰白粉ヲ裝フ、頭ハ橙黄色、後頭ノ兩側ハ淡褐、頭頂ノ兩側、後頭及ビ顔ノ末端兩側ニ各一個ノ黒紋アリ、觸角ハ側扁ニシテ長ク、特ニ第二節ハ大ニシテ黒色ノ短毛ヲ裝ヒ、第三節ハ稍稍烏帽子狀ヲ呈シ、其末端ニ刷様ノ黒毛ヲ簇生ス、端刺ハ黄白、其基部ハ黄色、口吻ハ褐色、小腮鬚ハ黄色、胸背ニハ褐色ノ小點ヲ散在シ、黒毛及ビ灰色ノ微毛ヲ裝フ、判然セザル褐色ノ二縦條ヲ具ヘ、同色ノ四小紋アリテ稍々四角形ニ排置セラル、稜狀部ノ基部ニ暗色ノ一紋アリ、翅ハ褐色、第二室ニテ黄褐、半透明、淡黄ノ小點ヲ散在ス、脈ハ黄褐、第三、第四及ビ第五ノ三脈ハ暗褐、平均棍ハ黄白、腹部ハ褐色、各節ノ後縁ハ黄褐、小黒毛ヲ粗生ス、脚ハ暗黄、黒毛多ク、跗節ノ末端ハ暗褐、脈ハ黄色、末端ハ暗褐、體長三分二厘、開張五分、此ハ沖繩ニテ黒岩恒氏ノ採集セルモノナルガ稀ナラザルガ如シ、

分布—沖繩。

Tetanocera scutellata n. sp. (Pl. XXIII, Fig. 22, ♀).

Grayish brown, grayish white pruinose. Head orange yellow, occiput on the sides pale brownish, an oblong spot on each side of the front, a spot on the occiput and on each side of the face above black, on each outer side of the frontal spots with a silky white spot. Antennae black pubescent, the 3rd joint at the apex with a black hair-pencil, the arista pale yellowish, at the base yellow. Proboscis brownish, palpi yellowish. Mesonotum scattered with fine brownish spots, sparsely black pubescent, with very fine grayish hairs, in the middle with 2 indistinct brownish stripes and the same colored 4 spots, arranged somewhat in a quadrangle. Scutellum near the base with a large fuscous spot. Wings brownish, scattered with numerous small pale yellowish spots, the subcostal region somewhat paler, veins fuscous, the first 2 veins paler. Halteres pale yellowish. Abdomen brown, each hind margin of the segments fulvous, with fine sparse black hairs. Legs dirty yellow,

with black hairs. Tarsi at the apices fuscous, claws yellow, at the apices fuscous.

Length—9.6 mm.; exp. 1.5 mm.

Hab.—Okinawa; collected by Mr. M. Kuroiwa.

(462) いしだごがりばい

第二十三圖 (♀)

學名 *Trigonometopus Ishidae* Mats.

昆蟲學上ノ地位 家蠅科(ごがりばい亞科)

體ハ淡黃褐、頭頂ニ黑色ノ短毛多ク、褐色ノ一縱條ヲ具ヘ、其兩側ニ同色ノ一紋アレドモ餘リ判然セズ、顔ハ黃白、複眼ノ前方ニ當リ黑色ノ各一紋アリ、觸角ハ短カク、端刺ハ細長ニシテ暗褐、口吻ハ大、末端ハ黃色、胸背ニハ四條ノ暗褐縱條アリテ、其中央ノ二縱條ハ稜狀部ニ延長ス、翅ハ透明、少シク灰色ヲ帶ビ、前縁ハ褐色、横脈上ニ褐色紋アリ、脈ハ暗褐、平均棍ハ黒褐、各腹節ノ後縁ハ黒褐、中央ニテ少シク遮斷セラル、黒毛ヲ粗生ス、雄ハ尾端ニ二個角様ノ長突起ヲ具ヘ、黒色、脚ハ灰白ニシテ黒毛ヲ粗生ス、體長一分二厘、開張二分六厘、此ハ遠州石田和三郎氏ノ採集セルモノナルガ普通ナルガ如シ、
分布—本州(遠州)。

Trigonometopus Ishidae n. sp. (Pl. XXIII, Fig. 23, ♀).

Pale fulvous. Vertex black pubescent, with a longitudinal brownish stripe, on the sides anteriorly with a brownish spot. Face pale yellowish, near the apex on each side with a black spot. Antennae pale fulvous, the arista fuscous. Probos-

cis pale yellow, at the apex yellow. Mesonotum with 4 fuscous stripes, of which the middle two reaching to the tip of the scutellum. Wings hyaline, with a light grayish shade, the costa broadly and a spot on each of the cross-veins, brownish, veins fuscous. Halteres fuscous. Abdomen pale fulvous, each segment on the hind margin fuscous, being interrupted somewhat in the middle, with sparse black hairs; on the last segment with 2 horn-like black projections. Legs grayish white, with sparse black hairs.

Length—3.6 mm.; exp. 7.8 mm.

Hab.—Honshu (Tōtōmi); collected by Mr. W. Ishida, common.

(463)

きあしみすぢもぐりばい

第二十三圖

(♀)

學名 *Chlorops hypostigma* Meig.

昆蟲學上ノ地位 家蠅科(もぐりばい亞科) (Osciniæ)

體ハ淡黃褐、頭頂ニ於ケル粟狀ノ斑紋ハ暗褐、觸角ハ暗褐、初メノ二節及ビ端刺ハ黃白、後者ハ末端ニテ白色、顔及ビ口吻ハ黃白、小腮鬚ハ白色、胸背ニ黑色ノ五縱條アリテ、中央ニアルモノ最モ太ク、後縁ニ達セズ、最モ外側ニアルモノハ細クシテ短カシ、後胸背ノ一大紋ハ黑色、全面ニ黑色ノ短毛ヲ粗生ス、翅ハ透明、虹色ヲ現ハス、脈ハ淡黃、平均棍ハ黃色、各腹節ノ後縁ハ褐色、黑色ノ短毛ヲ裝フ、脈ハ淡黃褐、褐色ノ短毛ヲ具ヘ、爪ハ末端ニテ黑色、體長一分、開張一分五厘、此ハ伊豫荒川重理氏ヨリ送附シ來リタルモノナルガ如何ナル植物ニ有害ナルカ未ダ不明ナリ、幼蟲ハ定メテ禾本科植物ノ葉内ニ潜入スルモノナラン、
分布—四國(伊豫)、

(464) もんきあしながやせばい

第二十三圖 (25) (♀)

學名 *Nerius femoratus* Coq.

昆蟲學上ノ地位 家蠅科(あしながやせばい亞科) (*Micropezinae*)

體ハ灰褐、頭頂ハ黑色、中央ニ赤褐ノ短カキ一縱條ヲ具ヘ、兩側ハ細ク淡黃褐、之レハ後頭ニ延長シテ縱條ヲナス、觸角ハ長クシテ黃褐、第一節及ビ第三節ノ背部并ニ其末端ハ黑褐、端刺ハ白色、基部ハ暗褐、顔ハ黃白、口縁ハ大ニシテ長楕圓形ヲ呈シ、口吻ハ暗褐、複眼ハ赤褐、胸背ニ灰色ノ二縱條アリテ、側片ニ灰黃ノ一縱條ヲ具ヘ、之レハ翅ノ下部ニテ少シク弓曲ス、稜狀部ノ中央ニ灰黃ノ一縱條アリ、翅ハ透明、少シク暗黃ヲ帶ビ、脈ハ褐色、平均棍ハ黃白、腹部ハ胸部ヨリモ幅狭ク、各節ノ後縁ハ黃白、脚ハ頗ル長ク、暗褐ニシテ基節及ビ腿節ノ中央ニアル一紋ハ灰黃、基節及ビ腿節ノ下面ニ小齒ヲ列ス、體長三分三厘、開張六分、此ハ東京地方ニ稀ナラズ、分布—本州(東京、岐阜)。

(465) すゞきあしながやせばい

第二十三圖 (26) (♂)

學名 *Calobats Suzukiana* Mats

昆蟲學上ノ地位 家蠅科(あしながやせばい亞科)

體ハ黑褐、頭頂ノ兩側ハ黑綠ニシテ光澤ヲ帶ビ、少シク隆起ス、顔ハ褐色、兩側ハ黃褐、口縁ノ兩

側及び口吻ハ橙黄色、但シ口吻ノ吸收面ハ暗褐、小腮鬚ハ黄白、末端少シク暗色ヲ帶ブ、觸角ハ橙黄色、第三節ハ破損シテ判然セズ、第二節ニ黄毛多シ、胸背ノ前縁ハ光澤ヲ帶ビ、横皺線ハ甚ダシク凹陥ス、翅ハ半透明、暗褐ヲ帶ビ、翅端ニ近ク灰白ノ一大紋ヲ裝フ、脈ハ淡黄褐、平均棍ハ小ニシテ暗褐、基部ハ黄褐、腹部ハ暗褐、各節ノ基部及び末端ハ淡色、第一節ニ灰白ノ長毛ヲ簇生ス、第三腹面節ノ基部及び第四腹面節ハ橙黄色、第五腹面節ニ暗褐ノ二突起アリテ絲狀ヲナシ、内方ニ弓曲ス、尾節ハ灰黄、脚ハ頗ル長ク、橙黄色、前肢ニ於ケル腿節ノ末半、脛節并ニ跗節ノ基部ハ暗褐、跗節ハ黄白、中央ノ兩腿節ニ各三個ノ暗色紋アリテ稍々同距離ニ排置セラル、跗節ハ黄白、爪ハ黒褐、體長三分、開張五分五厘、此ハ京都鈴木元治郎氏ヨリ送附シ來リタルモノナルガ稀ナルガ如シ、

分布—本州(京都)。

Calobates Suzukiana n. sp. (Pl. XXIII, Fig. 26, ♂).

Dark fuscous. Vertex on the sides dark aeneous, shining and somewhat elevated; face on the sides fulvous, oral margin on the sides orange yellow, at the apex fuscous; proboscis orange yellow, the sucking surface fuscous, palpi yellow, at the apices somewhat infuscated. Antennae orange yellow, the 2nd joint with some long yellowish hairs inferiorly, the 3rd joint defect. Thorax shining at the anterior margin, at the suture quite deeply excavated. Wings subhyaline, infuscated, near the tip with a large grayish white spot, veins pale fulvous. Halteres fuscous, at the bases paler. Abdomen fuscous, each segment at the base and apex paler, the 1st segment with long grayish hairs, hypopygium testaceous; the 3rd ventral segment on the anterior half and the 4th, orange yellow, the 5th at the base with 2 filiform, at the apices somewhat interiorly curved fuscous appendages. Legs very long, pale orange yellow, the apical half of the femur, the tibia and the base of the tarsus of the anterior leg, fuscous, the middle and posterior femora each with 3 fuscous spots, being placed somewhat equidistantly, all

the tarsi pale yellowish, claws fuscous.

Length.—9 mm.; exp. 16.5 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki.

(466) たいわんおほるりばい

第二十三圖 (27) (♂)

學名 *Macrotalis taiwanus* Mats.

昆蟲學上ノ地位 家蠅科(まだらばい亞科) (Ortalinæ)

體ハ黒藍色、腹部ハ美麗ノ藍色、頭ハ黄褐、顔ノ中央及ビ兩側ハ淡色ニシテ白粉ヲ装フ、觸角ハ淡黄褐、第三節ハ基部ヲ除キ暗褐、端刺ハ暗褐、基部ハ黄色、口内ノ隆起ハ高ク黄白ヲ呈ス、口吻ノ兩側ニ暗褐ノ一紋アリ、小腮鬚ニ短カキ黒毛ヲ装フ、胸背ニ粗大ノ點刻ヲ密布シ、灰黄ノ一縦線アレドモ餘リ判然セズ、翅ハ黒色、光線ノ工合ニヨリ藍色ヲ帶ブ、後縁ニ透明ノ三灰白紋アリテ、内方ノ二個ハ橢圓形ヲ呈シ、外縁ニアルモノハ稍々半圓形ヲナス、尙前縁ニモ中央ヨリ少シク外縁ニ當リテ灰白ノ一點アリ、鱗狀瓣ハ白色、平均棍ハ暗褐、基部ハ少シク淡色、腹部ニアル點刻ハ粗大ニシテ淺シ、胸片ハ暗黄褐、脚ハ黒褐、吸盤ハ淡キ灰黄、體長四分、開張一寸二分、此ハ臺灣函子嶺地方ニハ稀ナラズ、分布—臺灣(函子嶺)。

Macrotalis taiwanus n. sp. (Pl. XXIII, Fig. 27, ♂)

Dark indigo blue. Head fulvous, ace in the middle and on the sides paler, whitish pruinose. A large tuberos pro-

jection in the mouth opening pale yellowish; proboscis on the sides with a fuscous spot, palpi short black pubescent. Antennae pale fulvous, the 3rd joint except the base fuscous, the arista fuscous, at the base yellow. Thorax rugosely and densely punctulated, in the middle with an indistinct narrow testaceous stripe. Wings black, in a certain light reflecting a bluish shade, at the hind margin with 3 large hyaline spots, of which the basal 2 being oblong and the outermost one roundish, at the costa somewhat near the apex with a hyaline speck. Calypteres white, halteres fuscous, at the base somewhat paler. Abdomen somewhat more shallowly punctulated than on the thorax, ovipositor filiform, black, at the apex with a pale fulvous palpus, Sternum brownish. Legs dark fuscous, pulvilli pale testaceous.

Length—13 mm.; exp. 36 mm.

Hab.—Formosa (Kanshirei); collected by the author, not rare.

Macrorotalis n. g.

Head hemispherical, at the occiput somewhat flat, facial keel distinct; oral opening semioval, in the middle with a large tubercular projection, proboscis robust, sucking surface very broad, palpi spindle-shaped and of a moderate size. Antennae small, the 3rd joint longer than the first 2 taken together, the arista long, to the tip, except the extreme base with plumose hairs; compound eyes oblong, cheeks very broad. Occiput on each side with a short bristle. Prothorax narrow and somewhat collar shaped. Humeral callus distinct, the sutural furrow only on the sides distinct, with a notopleural bristle on each side, at the hind margin of the mesonotum with 2 bristles, scutellum at the hind margin on each side with 2 bristles. Wings very long, all the veins bare, the 3rd longitudinal vein near the apex deeply curved into the 1st posterior cell, posterior angle of the anal cell drawn out into an acute angle. Calypteres relatively large, the lower one being much larger. Halteres very small. Abdomen very short, composed of 4 visible segments, strongly curved downwardly, at the apex with a filiform horny ovipositor. Legs long and robust, femora somewhat thickened, the anterior femur below with a row of sharp teeth.

Type—*Macrorotalis taiwanus* Mats.

(467) くらまほしばい

第二十三圖 (28) (♂)

學名 *Gymnosoma kuramanum* Mats.

昆蟲學上ノ地位 家蠅科寄生蠅亞科

體ハ淡黃褐、頭ハ金色ノ光澤ヲ放ツ、顔及ビ頬ハ黃白、後者ニハ灰白毛多シ、頭頂ニハ淡褐ノ一縱條アリテ天鷲絨様ノ光澤ヲ放ツ、觸角ハ長ク、口縁ニ達シ、暗褐、第三節ノ基部ハ黃褐、端刺ハ黃褐、基部ハ淡色、胸背ニ黑褐ノ細キ四縱條アリテ後方ニ至ルニ從ヒ増大ス、中胸背ノ後縁及ビ稜狀部ハ黑色、黒毛ヲ裝フ、翅ハ半透明、少シク暗色ヲ帶ビ、基部ハ橙黃色、脈ハ暗褐、鱗狀瓣ハ灰白、周縁ハ黃色、平均棍ハ橙黃色、腹部ハ稍々球形ニ近ク、各節ノ中央ニ一黑紋ヲ具ヘ、第二及ビ第三節ニアルモノハ栗形ヲ呈ス、尾節ノ兩側ニ更ニ一黑紋アリ、全面黑色ノ短毛ヲ裝フ、腹面ハ淡色、脚ハ黑色、吸盤ハ灰白ニシテ少シク紫色ヲ帶ブ、體長二分八厘、開張四分五厘、此ハ京都鞍馬ニテ野平安藝雄氏ノ採集セルモノナリ、稀ナルガ如シ、分布—本州(京都)。

Gymnosoma kuramanum n. sp. (Pl. XXIII, Fig. 28, ♂)

Pale fulvous. Head golden yellow, vertex with a broad velvety brownish stripe, face and cheeks pale yellowish, with grayish white hairs. Antennae fuscous, the 3rd joint at the base fulvous, the arista fulvous, at the base paler. Mesonotum black pubescent, with 4 narrow fuscous stripes, beyond the suture becoming broader, on the posterior one third of the mesonotum and the scutellum black. Wings subhyaline, somewhat infuscated, at the base orange yellow, veins mostly fuscous. Calypteres

grayish white, at the margin yellowish. Halteres orange yellow. Abdomen nearly round, each segment at the hind margin with a black spot, those of the 2nd and 3rd being chestnut-shaped, on each side of the last segment also with a small black spot. Legs black, pulvilli grayish, with a light purple shade.

Length—8.4 mm.; exp. 13.5 mm.

Hab.—Honshu (Kyoto); collected by Mr. A. Nohira.

(468) かんしよろいばい

第二十三圖 (29) (♀)

學名 *Celyphus koannanus* Mats.

昆蟲學上ノ地位 家蠅科(よろいばい)亞科 (Celyphinae)

體ハ光澤アル綠黑色、顔ハ褐色、少シク藍色ノ光澤アリ、口縁ハ暗褐、額片ハ藍色、觸角ハ褐色、端刺ハ長ク、羽狀毛ヲ裝ヒ、第三節ノ基部ヨリ出ヅ、口吻ハ黃褐、複眼ハ褐色、胸背ハ滑澤ニシテ點刻ヲ缺キ、灰色ノ微毛ヲ裝フ、横皺線ハ判然スレドモ細シ、稜狀部ハ頗ル大ニシテ膨起シ、稍々全腹部ヲ蔽ヒ、胸背同様ニ光澤ヲ有シ、灰色ノ微毛ヲ裝フ、兩側ニ淺キ凹刻アリ、翅ハ稜狀部ノ下ニ蔽ハレ其末端ヲ現ハスニ過ギズ、淡黃褐ニシテ半透明、平均棍ハ暗褐、腹部ハ胸背ト同様ノ光澤ヲ帶ビ、同シク灰色ノ微毛ヲ裝フ、脚ハ暗褐、後脛節ニ二黃紋ヲ具ヘ、跗節ハ淡黃褐、體長一分二厘、開張二分五厘、分布—臺灣(函子嶺)。

Celyphus koannanus n. sp. (Pl. XXIII, Fig. 29, ♀)

Shining dark aeneous. Head brownish, in a certain light reflecting a light purple shade, epistoma fuscous, clypeus in-

digo-blue, antennae brownish, the arista very long, with paler plumose hairs. Compound eyes brownish. Mesonotum and scutellum strongly shining, with very fine grayish hairs; scutellum on the sides somewhat rugose. Wings subhyaline, pale fulvous, veins concolorous. Halteres fuscous. Abdomen strongly shining like that of the mesonotum, with very fine grayish hairs. Legs fuscous, the hind tibia with 2 yellowish spots, the same tarsi pale fulvous.

Length—3.6 mm.; exp. 7.5 mm.

Hab.—Formosa (Koannania—Kanshirei); collected by the author, not rare.

(469) せあかきのこばい

第二十三圖 (30) (♀)

學名 *Sciara thoracica* Mats.

昆蟲學上ノ地位 蕈蠅科 (Mycetophilidae)

體ハ黃褐、單眼ノ部分ハ暗褐、觸角ハ暗褐ニシテ基部ハ黃色、小腮鬚ハ褐色、頬ニハ黑色ノ短毛ヲ具ヘ、胸背ニハ灰色ノ微毛ヲ裝フ、翅ハ暗灰色、半透明、前縁ノ二脈ハ暗褐、基部ハ黃色、腹部ハ暗褐、腹面ハ淡黃褐、黑色ノ短毛多シ、脚ハ黃色、脛節及ビ跗節ハ暗褐、腿節ノ基部ニ橢圓形ノ一黑紋アリ、距ハ褐色、基部ハ黃色、體長二分三厘、開張四分二厘、此ハ札幌地方ニ稀ナラズ、分布—北海道(札幌)。

Sciara thoracica n. sp. (Pl. XXIII, Fig. 30, ♀).

Fulvous, somewhat shining. Vertex at the ocelli fuscous. Antennae long, fuscous, the basal 3 joints fulvous. Palpi brownish, cheeks with short fuscous hairs. Mesonotum with very fine sparse grayish hairs. Wings subhyaline, fuscous, costa and first 2 longitudinal veins dark fuscous. Halteres fuscous, at the base fulvous. Abdomen dark fuscous, with short fuscous

hairs, venter fulvous. Legs yellowish, tibiae and tarsi fuscous, at the base of each femur with an oblong black spot; calcears brownish, at the base fulvous.

Length—3.9 mm.; exp. 12.6 mm.

Hab.—Hokkaido (Sapporo); not rare.

(470)

もいはこしぼそきのこばい

第二十四圖 (1) (♂)

學名 *Hesperodina moiwana* Mats.

昆蟲學上ノ地位 萱蠅科

體ハ黑色、觸角ハ暗褐、十六節ヨリ成リ、第一節ハ長大、第二節ノ基部ハ黄色、小腮鬚ハ褐色、末端ハ淡褐、頭頂ニ灰白粉ヲ裝フ、胸背ノ中央ニ太キ灰白粉ノ一縦條アリテ、之レニ更ニ判然セザル三黒條ヲ縦走ス、兩側ニ黒毛ヲ粗生ス、翅ハ半透明、灰褐ヲ帶ビ、縁紋ハ黑色、脈ハ暗褐、脈ニ沿ヘル部分ハ幾分カ暗色ヲ帶ブ、平均棍ハ黄白、腹部ハ黄色、第一節後縁ヲ除キ、接合膜上ヲ縦走セル一線、各節ノ基部ニ近キ兩側紋並ニ尾端ノ二節ハ黑色、尾節ハ截斷狀ニ終リ、末端ニ釘拔様ノ附屬物アリ、全面ニ黑色ノ短毛ヲ裝フ、脚ハ黄色、基節ハ黑色ニシテ灰白粉ヲ具ヘ、腿節及ビ脛節ノ末端並ニ跗節ハ暗色、但シ後肢ノ脛節ハ大部暗色ヲ帶ブ、體長四分、開張七分、此ハ札幌地方ニ産スレドモ餘リ多カラズ、
分布—北海道(札幌)、

Hesperodina moiwana n. sp. (Pl. XXIV, Fig. 1, ♂).

Black. Antennae dark fuscous, the 2nd joint at the base yellowish. Palpi brown, the last segment being paler. Mesonotum in the middle with a broad grayish white pruinose stripe, with three indistinct black vittae, on the sides sparsely black pubescent; scutellum also densely white pruinose. Wings subhyaline, with a grayish brown shade, along the veins somewhat infuscated, stigma black, veins fuscous. Halteres pale yellowish. Abdomen linear, yellow, short black pubescent, the 1st segment, except the hind margin, 2 ventral stripes at the connexivum, a spot on each side of the 2nd, 3rd, 4th and 5th segments, as well as the last 2 segments, black, hypopygium truncated at the tip, with a broad pincers-like appendage, densely black pubescent. Legs yellow, coxae black, grayish white pruinose, femora and tibiae at the apices and the tarsi black, the hind tibiae being largely fuscous.

Length—12 mm.; exp. 21 mm.

Hab.—Hokkaido (Sapporo); not abundant.

(471) ひざぐろおのこばい

第二十四圖 (2) (♀)

學名 *Mycetophilus geniculatus* Mats.

昆蟲學上ノ地位 蕈蠅科

體ハ暗褐、黃白ノ短毛多シ、觸角基節ノ三節ハ黃褐、小腮鬚ハ灰黃、胸部ハ稍々球形、肩部、中胸背後縁ノ中央ニアル一紋、稜狀部ノ一縱條及ビ其後縁ハ灰黃、中胸背及ビ稜狀部ノ後縁ニ灰黃ノ剛毛アリ、翅ハ透明、少シク黃色ヲ帶ビ、横脈上ノ一紋及ビ翅端ノ四分ノ一ハ暗色、平均棍ハ灰黃、腹部ハ側扁、各節ノ後縁ハ灰黃、尾節ハ暗黃、脚ハ灰黃、跗節並ニ中後腿節ノ兩端ハ暗褐、後肢ノ

距ハ頗ル長シ、體長二分二厘、開張四分五厘、此ハ札幌地方ニ普通ナリ、
分布—北海道(札幌)。

Mycetophilus geniculatus n. sp. (Pl. XXIV, Fig. 2, ♀).

Fuscous, pale yellowish densely short pubescent. Antennae at the basal 3 joints fulvous, palpi testaceous. Thorax nearly round, humeri, a spot at the hind margin of the mesonotum, a middle stripe of the scutellum, as well as its hind margin, testaceous; mesonotum and scutellum at the hind margins with testaceous macrochaetae. Wings hyaline, with a yellowish shade, veins dirty yellow, a spot upon the cross-vein and the apical one fourth, fuscous. Halteres testaceous. Abdomen compressed, spindle-shaped, each segment at the hind margin testaceous, ovipositor dirty yellow. Legs testaceous, both ends of the middle and posterior femora, as well as the tarsi, fuscous.

Length—6.6 mm.; exp. 1.3.5 mm.

Hab.—Hokkaido (Sapporo); not rare.

(472) つまぐろきのこばい

第二十四圖(3) (1)

學名 *Mycomyia panorpiformis* Mats.

昆蟲學上ノ地位 蕈蠅科

體ハ濃褐色、觸角ハ褐色、各節ノ基部ハ淡色、觸角砧ハ大ニシテ稍々球形ヲ呈ス、小腮鬚ハ太ク、暗褐、短毛ヲ密生ス、胸背ハ稍々球形、長短アル黒褐毛多ク、兩側ニアルモノハ長シ、翅ハ透明、黒褐ノ短毛ヲ密生ス、脈ハ暗黄、横脈上ノ一紋及ビ翅端ノ四分ノ一ハ暗色、平均棍ハ暗褐、基部ハ灰黄、腹部ハ稍々圓柱形、第五節最モ幅廣、灰色及ビ暗色毛ヲ混生ス、尾端ハ斜ニ截斷セラレタル

ルノ觀ヲ呈シ、小突起多ク、灰色毛ヲ密生ス、脚ハ褐色、轉節及ビ腿節ノ基部ハ汚白、體長四分二厘、開張八分、此ハ蓋シ尾蟲科ノ昆蟲ニ酷似スルヲ以テ此學名アリ、札幌地方ニ産スレドモ稀ナリ、分布—北海道(札幌)

Mycomyia panorpiformis n. sp. (Pl. XXIV, Fig. 3, ♂).

Deep brown. Antennae brown, each joint at the base narrowly paler; the antennal-process large and nearly of a globular form. Palpi fuscous, densely pubescent. Thorax in the middle short and on the sides long fuscous pubescent. Wings hyaline, densely short fuscous pubescent, veins dirty yellow, a spot upon the cross-vein and the apical one fourth, fuscous. Halteres fuscous, at the bases testaceous. Abdomen broadest at the 6th segment, grayish and fuscous pubescent, the last segment obliquely truncated, at the margin with many short tubercular projections, grayish long pubescent. Legs brown, trochanter and the bases of the femora (narrowly) dirty white.

Length—12.6 mm.; exp. 24 mm.

Hab.—Hokkaido (Sapporo); rare.

(473) よつもんこしばそぎのこばい

第二十四圖 (4) (♂)

學名 *Boletina 4-maculata* Mats.

昆蟲學上ノ地位 蠶蠅科

體ハ光澤アル黒色、黄色ノ短毛ヲ生ジ、腹部ニアルモノハ長クシテ密ナリ、觸角ハ暗褐、基部及ビ末端ハ淡褐、小腮鬚ハ灰黄、頭頂ハ黄褐、肩部及ビ中胸背ノ後角ハ灰黄、兩側特ニ翅着部ノ上方ニ黄色ノ長毛ヲ裝フ、翅ハ透明、少シク黄色ヲ帶ビ、脈ハ淡黄褐、横脈上ノ一紋及ビ翅端ニ近キ一帯

ハ暗色、平均棍ハ黄色、基部ハ黄白、腹部ハ側扁、基部ニテ細ク、腹面及ビ尾端ハ黄褐、後者ノ末端ニ稍々圓錐形ヲナセルニ突起アリテ之レニ同色ノ短毛ヲ密生ス、脚ハ黄色、腿節末端ノ内側ニア
ル一紋及ビ中後兩腿節ノ基部ニアル一紋ハ黑色、跗節ハ暗褐、體長三分五厘、開張六分、此ハ札幌
地方ニ産スレドモ餘リ多カラズ。
分布—北海道(札幌)。

Boletina 4-maculata n. sp. (Pl. XXIV, Fig. 4, ♂).

Black, shining, with short yellowish hairs, those of the abdomen being longer and denser. Antennae fuscous, at the apices and bases paler. Palpi fulvous. Humeri and posterior angles of the mesonotum testaceous, above the wing-incertions with some long yellowish hairs. Wings hyaline, with a yellowish shade, veins pale fulvous; a spot upon the cross-vein and a broad band near the apex, fuscous. Halteres yellow, at the bases paler. Abdomen at the venter and apex fulvous, hypopygium with 2 conical projections, densely concolorous pubescent. Legs yellow, a spot of the former at the apex interiorly and a spot near the base of each middle and posterior femur black, tarsi fuscous.

Length—10.5 mm.; exp. 18 mm.

Hab.—Hokkaido (Sapporo); not common.

(474)

さあしけばい

第二十四圖 (5)

(♂)

學名 *Bibio pomonae* F.

昆蟲學上ノ地位 毛蠅科 (*Bibionidae*)

體ハ雌黑色、頭頂ニハ顆粒狀ノ小突起アレドモ判然セズ、小腮鬚ハ觸角ヨリ長ク、兩者何レモ長毛

ヲ裝フ、胸背ニ黒毛ヲ粗生シ、微細ノ針痕アリ、翅ハ透明、少シク灰白ヲ帶ビ、光線ノ工合ニヨリ紫色ヲ現ハス、初メノ二縦脈及ビ縁紋ハ黒色、他ノ脈ハ翅ト同色、平均棍ハ暗褐、腹部ニ黒毛多シ、脚ハ黒色、腿節及ビ距ハ赤褐、雄ニテハ頭大、複眼ハ灰褐、黒毛ハ雌ノ夫レヨリモ遙ニ多ク、後腿節ハ頗ル長ク、長キ棍棒狀ヲ呈ス、他ハ雌ト同様、體長三分—三分五厘、開張七分、此ハ樺太地方ニ普通ナレドモ札幌地方ニハ餘リ多カラズ、
分布—樺太、北海道(札幌)、

(475) すすきかばい

第二十四圖(6)
(♀)

學名 Rhyphus Suzuki Mats.

昆蟲學上ノ地位 蚊蠅科

體ハ黃褐、黃白毛ヲ裝フ、頭觸角及ビ小腮鬚ハ暗褐、後者ノ基部ハ淡色、胸背ニ暗褐ノ四縦條アリテ、中央ニアル二條ハ前縁ニ達シ、其兩側ニアルモノハ少シク細ク、前後縁ニ達セズ、後胸背ハ褐色、翅ハ暗色、半透明、白紋ヲ散在シ、其内翅端ニ近キ二紋ハ圓形ニシテ判然ス、後縁ハ廣ク透明、脈及ビ其周圍ノミ暗色、脈ハ總テ暗色、平均棍ハ黄色、腹部ハ暗褐、基部及ビ末端ノ兩側ハ淡黃褐、脚ハ黄色、腿節及ビ脛節并ニ跗節ノ末端ハ暗色、體長二分、開張四分二厘、此ハ京都鈴木元治郎氏ノ採集セルモノナルガ稀ナルガ如シ、
分布—本州(京都)、

Rhyphus Suzukii n. sp. (Pl. XXIV, Fig. 6, ♀)

Fulvous, with pale yellowish hairs. Head, antennae and palpi fuscous, the base of the latter being paler. Mesonotum with 4 fuscous stripes, the middle two being longer, broader and placed very close each other, the side ones not reaching to the anterior margin; metanotum brown. Wings fuscous, subhyaline, scattered with whitish spots, 2 of which near the costa and being round and conspicuous, the hind margin broadly hyaline; veins and their linings fuscous. Halteres yellowish. Abdomen fuscous, at the base and the apex on the sides, fulvous. Legs yellowish, femora, the tibiae and tarsi at the apices, fuscous.

Length—6 mm.; exp. 12.6 mm.

Hab.—Honshu (Kyoto); collected by Mr. M. Suzuki, not common.

(476) くろばあみめか

第二十四圖 (7) (♂)

學名 *Liponeura infuscata* Mats.

昆蟲學上ノ地位 網蚊科 (Blephaloceridae)

體ハ黒褐、少シク綠色ヲ帶ブ、第一及ビ第二觸角節ノ末端ハ少シク黄色、頭ハ暗黄粉ヲ密布ス、胸背ハ稍々球形ニ膨起シ、兩側ニ黄褐紋アリ、胸側ハ黄褐、翅ハ暗色、不透明、雄ニテハ淡色ニシテ半透明、網狀様ノ斑裡ハ灰白、平均棍ハ黄色、末端ノ肥大部ハ黑色、初メノ四腹節ノ後縁ハ黄褐、腹面ハ淡黄褐、脚ハ黄色、腿節ノ末端、脛節及ビ跗節ノ大部ハ暗色、體長四分二厘、開張八分五厘、此ハ札幌及ビ盛岡地方ニ産スレドモ稀ナリ、分布—北海道(札幌)、本州(盛岡)、

Liponeura infuscata n. sp. (Pl. XXIV, Fig. 7, ♂).

Dark fuscous. Antennae fuscous, the 1st and 2nd joints each at the apex narrowly testaceous. Head dirty yellowish pruinose, tempora somewhat grayish. Compound eyes with long fuscous and very short grayish hairs. Rostrum on the sides at the base testaceous. Thorax nearly globular, with fuscous hairs, mesonotum on each side and pleurae fulvous; scutellum on each side with a testaceous cross-band. Wings fuscous, opaque, its net-like markings grayish white, the incised base of the alula with a fuscous spot. Halteres testaceous, the knobs fuscous. Abdomen with a silky luster, the first 4 and the last segments each at the hind margin, as well as the first 3 segments each on the anterior margin, fulvous; genital segment on each side with a leaf-like projection, with numerous long black hairs on the inner side; venter and connexium largely pale fulvous. Legs dirty yellow, tips of the femora, the tibiae and tarsi, fuscous.

Length—12.6 mm.; exp. 25.5 mm.

Hab.—Hokkaido (Sapporo), Honshu (Morioka); rare.

(477)

こわだおほか

第二十四圖 (8) (♂)

學名 *Megarhina towadensis* Mats.

昆蟲學上ノ地位 蚊科 (Culicidae)

體ハ黑色、腹背ハ青藍色、觸角ハ黑色、各節ノ基部ハ灰黄、基部ニ銀白ノ鱗毛ヲ具ヘ、後頭ニハ青色鱗ヲ装フ、小腮鬚ハ觸角ヨリモ遙ニ長ク、口吻ヨリモ少シク短カシ、暗褐ニシテ第一節ノ末端及ビ第二節ノ末端ニ近キ一部ハ灰黄、口吻ハ暗色、基部ニ黄毛ヲ具ヘ、末端ニハ金色ノ短毛ヲ装フ、胸背ニハ青色鱗ヲ具ヘ、後縁ニアルモノハ少シク金色ヲ帶ブ、胸側及ビ脚基節ニアル鱗毛ハ金白色、稜狀部ハ灰黄、同色毛ヲ装フ、翅ハ透明、少シク黄色ヲ帶ビ、後半ハ稍々金色、脈及ビ其鱗毛ハ黄

色、平均棍ハ黄色、頭狀部ハ暗黄、腹部ノ接合膜ノ處ニ金白色ノ楕圓紋列アリ、第五及ビ第六節ノ中央ニ灰白ノ鱗毛ヲ混ジ、第七節ノ後半及ビ第八節ノ兩側ニ長キ紫褐ノ羽狀毛アリテ、第七節前半ノ兩側ニハ黄毛ヲ具ヘ、第九節ノ兩側ニハ長キ橙黄毛ヲ簇生シ、二個ノ尾狀突起ハ灰黄、之レニ紫色ノ鱗毛ヲ裝フ、脚ハ暗褐、腿節基部及ビ脛節ノ一部ハ黄白、前跗節ニアリテハ兩端ヲ除キ、中跗節ニアリテハ第一節ヲ除キ、後跗節ニテハ第二節ノミ黄白、體長四分、開張八分、此ハ青森十和田湖畔ニテ捕獲シタルモノニシテ稀ナルガ如シ、
分布—本州(十和田)。

Megarrhina towadensis n. sp. (Pl. XXIV, Fig. 8, ♂).

Black, abdomen on the back bluish. Antennae black, each joint at the base testaceous, and with silvery scales. Occiput with bluish scales. Palpi fuscous, the 2nd joint at the apex and the 3rd near the apex, testaceous. Proboscis at the base with yellowish hairs, at the apex with short golden hairs. Thorax with bluish scales, those of the hind margin with some golden luster, pleurae and coxae with silky pale yellowish scales. Scutellum testaceous, with the concolorous hairs. Wings hyaline, at the costal half pale fulvous, veins and scales concolorous. Halteres yellow, the knobs dirty yellow. Abdomen on the sides with a row of oblong pale golden yellowish spots, the 5th and 6th each in the middle with some whitish scales, the 7th at the posterior half and the 8th on the sides with long purple brown fringes, on the anterior half of the 6th and the 9th on the sides with long golden fringes, 2 caudal appendages testaceous, with purple scales. Legs brown, femora beneath at the base grayish, the anterior tarsi except both ends, the middle tarsi except the metatarsus (at the base whitish), wholly whitish, the posterior tarsi, except the 2nd joint, wholly fuscous.

Length—12 mm.; exp. 24 mm.

Hab.—Honshu (Towada); rare.

(478) すゞきゆすりか

第二十四圖 (9) (♂)

學名 *Chironomus Suzukii* Mats.

昆蟲學上ノ地位 搖蚊科 (*Chironomidae*)

體ハ灰色、觸角及ビ小腮鬚ハ褐色、前者ノ旋狀毛ハ淡褐、肩部及ビ兩側ハ灰黃、灰白ノ細毛ヲ粗生ス、稜狀部ハ淡褐、同色ノ細毛多シ、翅ハ灰白ニシテ稍々透明、脈ハ灰白、第三脈並ニ横脈ハ暗色、平均棍ハ灰白、腹部ハ暗色、各節ノ後縁及ビ兩側ハ灰黃、顆粒多ク、殊ニ第六及ビ第七ノ兩節ニ多シ、灰黃ノ細毛ヲ密生ス、尾節末端ノ兩側ニ各一雙ノ尾狀突起アリテ上方ニアルモノハ長ク、末端ニテ相交叉ス、中央ニハ圓錐形ノ一長突起アリ、脚ハ灰黃、各節ノ末端及ビ跗節ハ多少暗色、灰色ノ細毛多シ、體長三分四厘、開張四分五厘、此ハ京都ニテ鈴木元治郎氏ノ採集セルモノナルガ普通ナルガ如シ、
分布—本州(京都、水戸)

Chironomus Suzukii n. sp. (Pl. XXIV, Fig. 9, ♂).

Gray. Antennae and palpi brown, the plumose hairs of the former being pale brownish. Humeri and pleurae testaceous, with fine grayish hairs. Scutellum pale brown, with fine long grayish hairs. Wings nearly hyaline, grayish, with the concolorous veins, the third and cross-veins fuscous. Halteres grayish. Abdomen fuscous, with fine long grayish yellow hairs, each segment on the hind margin and on the sides testaceous, with fine numerous granulations, especially on the 6th and 7th segments. Hypopygium at the apex on the side with a pair of filiform appendages, the upper one being longer and crossing

each other at the apex, in the middle with a sharp-pointed conical projection. Legs testaceous, each segment at the apex and the tarsi fuscous.

Length—10.2 mm.; exp. 13.5 mm.

Hab.—Honshu (Kyoto), collected by Mr. M. Suzuki.

(479)

さばらくしひげがゞんば

第二十四圖 (10) (♀)

學名 *Pselliphora ctenophorina* Ried.

昆蟲學上ノ地位 大蚊科 (Tipulidae)

體ハ天鷲絨様ノ黑褐、頭及ビ觸角ハ褐色、羽狀枝ハ暗灰色、小腮鬚ハ淡褐、末端ハ黃白、顔ニ褐色毛多ク、胸背ニ灰色ノ短毛ヲ粗生ス、稜狀部ニ灰色毛ト黑褐毛トヲ混生ス、翅ハ褐色、半透明、各室ノ中央ニ細キ透明ノ一縱條アリ、脈ト翅ト同色、平均棍ハ褐色、柄節ハ淡色、腹部ハ橙黃色、尾端ノ三節ハ黑褐、尾節ハ頭狀ニ肥大シ、上方ニハ角様ノ二突起ヲ生ジ、其下方ニ更ニ長橢圓形ノ一突起アリ、腹面ノ後縁ハ三角形ニ深ク列ラル、黑褐ノ長毛ヲ密生ス、脚ハ褐色、各脛節ノ基部ハ白色、體長六分、開張一寸三分、此ハ臺灣埔里社ニテ捕獲セルモノナルガ餘リ多カラズ、分布—臺灣(埔里社)、

(480)

ほっぽくしひげがゞんば

第二十四圖 (11) (♂)

學名 *Pselliphora hoppo* Mats.

昆蟲學上ノ地位 大蚊科

體ハ天鷲絨様ノ黑色、頭及ビ觸角ハ黑褐、後者ノ羽狀枝ハ暗灰色、小腮鬚ハ褐色、各節ノ基部ハ黄色、顔ニ褐毛多ク、胸背ニハ褐色ノ短毛ヲ粗生ス、稜狀部ニハ淡褐ノ長毛多シ、翅ハ不透明、暗褐、中央ノ二圓紋及ビ翅底ニ近キ二小紋ハ黄色、脈ハ翅ト同色、平均棍ハ褐色、腹部ハ橙黄色、終リノ五節ハ黑色、但シ第五乃至第八節ノ前縁ハ橙黄色、後方ニ至ルニ從ヒ其幅ヲ減ズ、黄色部ニハ黄毛ヲ裝ヒ、黑色部ニハ黑毛ト黄毛ヲ混生ス、尾端ノ突起ハ前種ニ酷似ス、脚ハ黑色、中後兩腿端ノ基部ハ雄ニテハ橙黄色、雌ニテハ灰黄、脛節基部ノ白色ナル點ニ至リテハ前種ト異ナルナシ、雌ニテハ尾端ハ銳キ圓錐形ヲナシテ上向ス、體長(♂)五分五厘、(♀)六分、開張一寸一分、此ハ臺灣北埔ニテ捕獲セルモノナルガ稀ナラザルガ如シ、

分布—臺灣(北埔)。

Pselliphora hoppo n. sp. (Pl. XXIV, Fig. 11, ♂).

Velvety black. Head and antennae dark brown, the plumose branches of the latter dark grayish. Palpi brown, each joint at the base yellowish. Face with dense brown hairs. Mesonotum with sparse short brown hairs, scutellum with long pale brownish hairs. Wings opaque, fuscous, 2 middle roundish spots and 2 small oblong spots at the base yellowish, with the concolorous veins. Halteres brown. Abdomen orange-yellow, the last 5 segments black, each anterior margin of the 5th—8th segments orange-yellow, which gradually becoming narrower towards the apex. On the yellowish parts with the concolorous, on the black parts mingling yellowish and black hairs. Legs black, the tibiae at the bases whitish, in the female the bases of the middle and posterior femora broadly orange yellow, in the male testaceous.

Length—♂ 16.5 mm, ♀ 18mm.; exp. 33 mm,

Hab.—Formosa (Hoppo); collected by the author, not rare.

(481) ほりかはくしひげがどんぼ

第二十四圖 (12) (♂)

學名 *Dictenidia* Horikawae Mats.

昆蟲學上ノ地位 大蚊科

體ハ黑色、觸角砧ノ前方ニアル二點紋及ビ顔ノ中央ニアル一縦條ハ橙黃色、顔ニハ橙黃毛ヲ具ヘ、小腮鬚ハ黃色、短黒毛ヲ裝フ、末端ハ暗色、觸角ハ橙黃色、末端及ビ羽狀枝ハ暗色、細毛ハ灰色、胸背ハ橙黃色、稜狀部及ビ其前方ノ一紋ハ黑色、黃白ノ細毛ヲ粗生シ、稜狀部ニアルモノハ長クシテ其數多シ、翅ハ暗色不透明、翅底ノ四分ノ一、中央ニテ稍々横帶ヲナセル三紋列並ニ後縁ノ中央ニアル一紋ハ鼈甲様ノ黃色、平均棍ハ暗黃、柄部ハ少ク暗色ヲ帶ブ、腹部橙黃色、第一節ノ基部、第三節ノ後縁、第四乃至第八節ノ背上、第三節ヨリ第八節ニ達スルノ側條、第四節乃至第八腹面節ノ後縁並ニ中央條ハ黑色、尾節ハ淡黃褐、王冠狀ヲナシ、上方ニアル角様突起ハ黑色、其他ノ突起ハ褐色、黃毛ヲ密生ス、脚ハ橙黃色、基節及ビ轉節ハ褐色、後腿節末端ノ半部、同脛節ノ末端及ビ跗節ハ暗褐、體長五分、開張九分、此ハ長崎堀川佐市氏ヨリ送附シ來リタルモノニシテ稀ナルガ如シ、

分布—九州(長崎)。

Dictenidia Horikawae n. sp. (Pl. XXIV, Fig. 12, ♂).

Black. Head dark brown, with the concolorous hairs, tempora and face on the sides pale brown, 2 small spots before

the antennae and a middle stripe of the face orange yellow, with golden hairs. Palpi yellowish, with short fuscous hairs, at the tips fuscous. Antennae orange yellow, plumose branches and the apices fuscous, with grayish fine hairs. Meso- and metanotum orange yellow, scutellum and a spot before it, fuscous. Wings fuscous, opaque, the basal $\frac{1}{2}$, the costal $\frac{1}{2}$, a middle band (composed of 3 spots) and a spot in the middle of the hind margin being yellowish and subhyaline. Halteres dark yellow, the stem fuscous. Abdomen orange yellow, the first segment at the base, the hind margin of the 3rd, the back of the 4th to 8th, a lateral stripe from the 3rd to 8th, as well as the hind margin of the 4th to 8th ventral segments and a ventral stripe of the same, black; hypopygium pale fulvous, somewhat crown-shaped, 2 horn-like processes of the back being black, other projections more or less brownish, with dense yellowish hairs. Legs orange yellow, coxae and trochanter brownish, the hind femora at the apical halves, the apices of the same tibiae, as well as the tarsi, fuscous.

Length—1.5 mm.; exp. 2.7 mm.

Hab.—Kiushu (Nagasaki); collected by Mr. S. Horikawa.

(482)

ぢやうざんくしひげがじんぼ

第二十四圖 (13)

(♀)

學名 *Xiphusa jozana* Mats.

昆蟲學上ノ地位 大蚊科

體ハ光澤アル黑色、頭ニ黒毛ヲ粗生ス、觸角ハ褐色、黒毛ヲ裝フ、第一節及ビ末端ノ二三節ハ黑色、小腮鬚ハ黄色、末端ハ黑色、前胸背及ビ中胸側片ハ黄色、後胸背ノ基部ハ褐色、兩側ニ少シク灰色粉ヲ裝フ、翅ハ透明、少シク黄色ヲ帶ビ、脈ハ翅底ノ半部ニテ黄色、外半ニテ暗褐、縁紋ハ黑色、平均棍ハ黄色、腹部ハ長ク、尾節ハ腹部ノ三分ノ一長アリテ劍狀ヲナシテ細ク尖ル、第一節及ビ第二(後縁ヲ除キ)節ハ黄色、背上ニ黒縦條アリ、第二節ノ後縁(極端ヲ除キ)ハ黑色、第二乃至第七節ノ後

縁ハ黄色、何レモ前方ノ中央ニテ少シク割ラル、産卵管ノ極端ハ灰黄、腹面ハ大部黄色、各節ニ一定セザル黒紋アリ、脚ハ黄色、基節、腿節及ビ脛節ノ末端并ニ跗節ハ暗色、體長七分五厘、開張一寸一分、此ハ七月上旬札幌定山溪ニテ捕獲セルモノナルガ餘リ多カラズ、分布—北海道(札幌)。

Xiphusa jozana n. sp. (Pl. XP1V, Fig. 13, ♀).

Shining black. Head with a few black hairs. Antennae brown, the first and last 2 or 3 joints black, with a few fuscous hairs, the 3rd somewhat longer than the 1st, the 4th subequal to the 5th, the apical joint somewhat conical. Palpi yellow, at the apices fuscous. Thorax on the sides grayish pruinose, pronotum and mesopleurae yellowish, metanotum at the base brownish. Wings hyaline, with a yellow shade, at the base honey-yellow, veins on the basal half yellow, on the apical half fuscous, stigma black. Halteres yellow. Abdomen in the female very long, ovipositor nearly $\frac{1}{2}$ of the abdomen, narrow and pointed at the apex, the 1st and 2nd segments, the latter except the black hind margin, yellowish, on the back with a fuscous stripe, the 2nd to 7th segments each at the extreme hind margin sulphur-yellow, each being emarginated in the middle anteriorly; venter mostly yellowish, each segment irregularly black spotted. Legs yellowish, coxae, apices of the femora and tibiae, except the anterior legs, as well as the tarsi, fuscous.

Length—22.5 mm; exp. 33 mm.

Hab.—Hokkaido (Jozankei near Sapporo).

(483)

のひらくしひびがんぼ

第二十四圖 (14) (♂)

學名 *Ctenophora Nohirae* Mats.

昆蟲學上ノ地位 大蚊科

體ハ黑褐、光澤ヲ缺キ、顔ハ黄色、黄色ノ細毛多シ、觸角ハ暗褐、灰白ノ細毛多シ、第一節ノ下面ハ黄色ニシテ同色ノ細毛ヲ装フ、小腮鬚ハ黄色、末端ハ暗色、極端ハ黄色、前胸背ノ前縁、中胸背ノ兩側ニアル各二紋、中央ノ後縁ニ近キ二縦條、側片紋并ニ後胸背ノ兩側紋ハ黄色、翅ハ透明、前縁ノ中央ニアル大長紋及ビ翅端ニ近キ一大圓紋ハ暗色、翅底及ビ縁紋ノ部分ハ鼈甲様ノ黄色、脈ハ黄色若クハ灰黄、暗色紋上ニアル脈ハ暗色、平均棍ハ黄色、腹部ハ橙黄色、基部兩側ノ一黄紋ヲ除キ、中央ノ太キ一帯及ビ尾端并ニ接合膜末端ノ半部ハ黑褐、黄色ノ短毛多シ、雄ノ生殖器ハ大ニシテ下面ノ末端ハ褐色、兩側ニ角様ノ各一突起ヲ具ヘ、之レハ内側ニテ少シク列ラル、脚ハ橙黄色、前中兩基節ノ後方、後基節、同腿節ノ末端、脛節ノ中央ニアル膨大セル部分及ビ末端ハ黑色、跗節ノ大部ハ暗色、體長五分、開張一寸二分、此ハ京都野平安藝雄氏ノ採集セルモノナリ、分布—本州(京都)。

Ctenophora Nohirae n. sp. (Pl. XXIV, Fig. 14, ♂).

Dark fuscous, opaque. Face orange yellow, with the concolorous short hairs. Antennae fuscous, with fine grayish hairs, the 1st joint beneath orange yellow. Palpi yellow, at the apices fuscous, at the extreme apices testaceous. Pronotum at the anterior margin, 2 spots on each side of the mesonotum, 2 short longitudinal spots on the hind margin of the same, a side-spot of the metanotum, as well as pleural spots orange yellow. Wings hyaline, a large oblong spot in the middle of the costa and a large round spot near the apex; fuscous, the base and the stigmatal region waxy-yellow, veins yellowish or testaceous, those on the fuscous spots being concolorous with the spots. Halteres yellow. Abdomen orange yellow, the base, except a yellowish side-spot, a broad middle band hypopygium, as well as the apical $\frac{1}{2}$ of the connexivum fuscous, hypopygium on each side with a long horn-like projection, which being somewhat constricted near the base. Legs orange yellow, the anterior 2 coxae

posteriorly, the hind coxa, apex of the same femur and tibia, as well as the enlarged part of the same tibia, fuscous, tarsi largely brownish.

Length—15 mm.; exp. 36 mm.

Hab.—Honshu (Kyoto); collected by Mr. A. Nohira.

(484)

いっしきくしひげがんばん

第二十四圖 (15) (♀)

學名 *Ctenophora Isshikii* Mats.

昆蟲學上ノ地位 大蚊科

體ハ黄色、頭頂ノ太キ横帯ハ暗褐、頭ニハ褐毛及ビ黄毛ヲ装フ、觸角ハ短カク、末節ハ圓錐形ヲナス、小腮鬚ハ黄色、第四節末端ノ四分ノ三ハ暗色、中胸背ハ光澤アル黒褐、黄褐毛ヲ装フ、稜狀部ハ黄褐、中央ニ一褐紋ヲ具ヘ、胸側ニハ褐色部アリ、翅ハ黄色、透明、末端ハ暗色、脈ハ褐色、翅底ニテ黄色、平均棍ハ黄褐、腹部ハ紡錘狀ニシテ、第二及ビ第三節ノ後縁、第一節ヨリ第五節ノ背上ヲ縦走スル太キ一條并ニ尾端ノ三節ハ暗褐、産卵管ハ黄褐、腹面ハ各節 後縁狭クヲ除キ黄色、脚ハ黄色、跗節端ハ少シ灰色ヲ帶ブ、體長五分五厘、開張一寸一分、此ハ大和大臺ヶ原ニテ一色周知氏ノ採集セルモノナリ、

Ctenophora Isshikii n. sp. (Pl. XXIV, Fig. 15, ♀)

Yellow. A broad band on the vertex between the compound eyes fuscous, head brownish and yellowish pubescent.

Antennae yellow, short, the apical joint sharp conical. Palpi yellow, the last joint much longer than the other 4 joints taken together, at the apical two-thirds fuscous. Mesonotum shining dark brown, fulvous pubescent, with 2 indistinct fulvous longitudinal stripes; scutellum fulvous, in the middle with a brownish spot; pleurae somewhat brownish shaded. Wings hyaline, yellowish, at the apex fuscous; veins brown, at the base being fulvous. Halteres fulvous. Abdomen spindle-shaped, the 2nd and 3rd at the hind margins, a dorsal stripe from the 1st to 5th segments and the apical 3 segments fuscous; venter, except each hind margin, which is narrowly brown, fulvous, with the concolorous hairs. Legs yellowish, tarsi at the apices grayish.

Length—16.5 mm.; exp. 33 mm.

Hab.—Honshu (Odaigahara in the Prov. Yamato); collected by Mr. S. Isshiiki.

(485) ふたほしくしひげがさんぼ

第二十四圖 (16) (♀)

學名 *Ctenophora biguttata* Mats.

昆蟲學上ノ地位 大蚊科

體ハ淡黃褐、頭ハ黑色、觸角間ニV字形、其下方ニ八字形ノ一黑紋アリ、顔ハ黄色、基部ハ暗色、小腮鬚ハ黄色、末端ハ暗色、第三節ハ棍棒狀ニ肥大ス、觸角ハ黄色、第一節ノ上方ニ暗色ノ一縦條アリ、中胸背ノ前片ニ黑色ノ三縦條アリテ、兩側ニアルモノハ短、後片ニハV字形ノ黑紋アリ、稜狀部ハ黑色、後胸背ノ後縁中央ニ大黑紋アリ、胸側及ビ胸面ハ黑色、後側片ハ橙黄色、翅ハ半透明、黄褐、後縁及ビ中室ノ基部ハ稍々無色透明、脈ハ黄褐、翅端ノ一大紋ハ淡褐、平均棍ハ淡褐、柄部ハ黄色、腹部ハ第五節ニテ幅廣ク、背部ハ黑色、第二乃至第五節ノ後縁ハ兩側ニテ細ク黄色、但シ

第四節ニアルモノハ廣ク黄色ヲ呈シ、二紋ヲ有スルガ如シ、腹面ハ黄色、第一節、第三節ノ中央帯并ニ第四五兩節ノ三角紋ハ黑色、脚ハ淡黄褐、後基節及ビ中後兩腿節ノ末端(極端ヲ除キ)ハ暗褐、跗節端ハ褐色、體長七分、開張一寸五分、此ハ札幌ニ捕獲セルモノナルガ稀ナリ、分布—北海道(札幌)。

Ctenophora biguttata n. sp. (Pl. XXIV, Fig. 16, ♀).

Fulvous. Head black, V-shaped spot between the antennae, \wedge -shaped spot below the antennae, orange yellow; face yellow, at the base fuscous; antennae yellow, the first joint dorsally with a fuscous stripe, the 2nd entirely yellow (the remainder defect); palpi yellow, at the tips fuscous, the 2nd joint being clavate. Anterior lobe of the Mesonotum with 3 broad black stripes, the lateral ones being short, the posterior lobe with V-shaped black mark; scutellum and a large spot at the hind margin of the metanotum black; pleurae and sternum black, metapleura orange-yellow. Wings subhyaline, fulvous, the hind margin and a discal spot hyaline, veins fulvous, a large patch near the apex pale brownish. Halteres pale brown, the stems being yellowish. Abdomen broadest at the 5th segment, at the dorsum black, the 2nd to 5th segments each at the hind margin on the sides narrowly yellowish, only those of the 4th segment becoming broad and somewhat of a quadrate form; venter yellow, the 1st, a broad band on the 3rd, as well as a triangular spot on each of the 4th and 5th segments, black. Legs fulvous, the hind coxae, the apices of the middle and posterior femora (except the extreme apices) fuscous, tarsi at the apices brownish.

Length—21 mm.; exp. 4.5 mm.

Hab.—Hokkaido (Sapporo); rare.

(486)

ひろうごがしんぼ

第二十四圖 (17)

(♀)

學名 *Formotipula holoserica* Mats.

昆蟲學上ノ地位 大紋科

體ハ天鷲絨様ノ黑色、黑色ノ微毛ヲ裝フ、觸角ハ黑褐、鞭狀ノ十三節ヨリ成リ、各節ヨリ刺毛ヲ生ズ、小腮鬚ハ短、第四節ハ他ノ三節ヲ合シタルモノヨリ少シク短、複眼ハ銅褐色、胸ノ横皺及ビ稜狀部ノ兩側ハ灰色、翅ハ透明ニシテ暗色ヲ帶ビ、脈ハ暗褐、縁紋ハ灰褐、平均棍ハ黑色、腹部ハ橙黄色、黒毛ヲ粗生ス、第一及ビ終リノ三節ハ黑色、生殖器ノ背部ニ瘤狀ノ二突起ヲ具ヘ、下板ハ二葉ニ分レ、各太キ圓錐形ヲナス、脚ハ長ク、暗褐、跗節ハ細長、體長四分、開張一寸、此ハ臺灣魚池ニテ捕獲セルモノナルガ稀ナルガ如シ、
分布—

Formotipula holoserica n. sp. (Pl. XXIV, Fig. 17, ♂).

Velvety black, with fine black hairs. Antennae twice as long as the head, fuscous. Palpi dark fuscous, short, the last joint as long as the other 3 taken together. Mesonotal sutures and the hind part of the mesonotum on the sides of the scutellum grayish. Wings hyaline, somewhat infuscated, veins fuscous, stigma grayish brown. Halteres black. Abdomen orange-yellow, the first and the last 3 segments velvety black, sparsely black pubescent; hypopygium above with 2 short tubercous projections, lower plate in the middle with a deep incision, and each of a broad conical shape. Legs fuscous, very long.

Length—12 mm.; exp. 30 mm.

Hab.—Formosa (Gyochi-Dragon lake); rare, collected by the author.

Formotipula n. g.

Much resembles to *Tipula* I., but differs as follows:

Palpi much shorter than the antennae, the last joint as long as the first 3 taken together. Thorax globular, mesonotum

highly vaulted. Wings short, but much longer than the abdomen; the first marginal cell as long as the 2nd marginal. Abdomen short, broad, nearly as broad as the thorax, in the male towards the apex upturned. Legs very slender, hind femur somewhat longer than the abdomen. The other characters are similar to those of *Tipula*.

Type—*Formotipula holoserica* Mats.

(487) まだらがどんぼ

第二十五圖 (1) (♀)

學名 *Nippotipula nubifera* Coq.

昆蟲學上ノ地位 大蚊科

體ハ灰黃、口吻ノ兩側ハ褐色、頭頂、前胸、胸側及ビ胸面ハ灰白、胸側ノ太キ一縱條及ビ中胸背ノ兩側ニアル斷續セル縱條ハ黑色、後胸背ニ褐色紋ヲ散在ス、翅ハ灰色、半透明、透明ノ斑紋アリ、縁紋ノ部分ハ褐色、第二脈ノ基部ニ褐色ノ一紋アリ、第五脈ハ太ク黒褐、第七脈ハ褐色、前縁ノ中ニ細脈ヲ横列ス、平均棍ハ暗色、基部ハ黄色、腹部ハ淡黃褐、背線、亞背線及ビ腹走線ハ暗色、産卵管ハ尾節ノ倍長アリ、脚ハ暗色、基部、轉節及ビ腿節ノ基部ハ黄色、後基節ニ一黒紋アリ、體長一寸五分、開張一寸一分、此ハ何レノ地ニ至ルモ普通ナリ、分布—北海道、本州、四國、九州。

Nippotipula n. g.

Differs from *Tipula* L. as follows:

Costal region of the wing, except the apex, with numerous short cross-veins. Discoidal cell rhomboidal, emitting 3

posterior veins, of which the anterior one being furcate, the petiole as long as the distance between the first and second posterior veins. Front above the antennae with a large tuberos projection. Scutellum very low and not conspicuous. Abdomen (♀) much longer than the wing. The other chackers are alike to those of *Tipula*.

Type—*Tipula nubifera* Coq.

(488) もいはがらんぼ

第二十五圖 (2) (♀)

學名 *Platytipula moiwana* Mats.

昆蟲學上ノ地位 大蚊科

體ハ黄色、頭及ビ胸部ハ灰黄、白粉ヲ装フ、口吻ノ末端吸收面ハ葉狀ヲナシテ甚ダシク膨太シ、兩側ハ上方ニ隆起ス、黄毛ヲ装ヒ、後頭ニハ細キ横皺多ク、中胸背ノ前片ニハ判然セル黄色ノ三縦條アリ、翅ハ黄色、半透明、縁紋ハ褐色、其後方ニ一個、其下方ニ二個ノ透明紋ヲ具ヘ、第七脈ノ末端ニ一褐紋アリ、前縁ニ多數ノ細キ横脈アレドモ餘リ判然セズ、平均棍ハ黄色、腹部ハ黄色、初メノ三節ノ兩側ニ暗色ノ細キ一縦條ヲ具ヘ、背線ハ褐色ニシテ第四節ヨリ第八節迄判然ス、脚ハ黄色、腿節、脛節及ビ跗節ノ末端ハ褐色、體長八分、開張一寸八分、此ハ札幌藻岩山ニテ捕獲セルモノナルガ稀ナルガ如シ、

分布—北海道(札幌)

Platytipula moiwana n. sp. (Pl. XXIV, Fig. 2, ♀).

Yellow. Head and thorax grayish yellow, grayish white pruinose. Palpi and antennae yellow, with short brownish

hairs. Proboscis yellowish and the enlarged sucking part brownish pubescent. Compound eyes black, with some golden luster. Occiput with many indistinct fine transverse wrinkles. The anterior lobe of the mesonotum with 3 indistinct pale stripes. Wings subhyaline, yellowish, stigma brown, behind and below it with 3 small hyaline spots, at the apex of the 7th vein with a brownish patch. Halteres yellowish, at the tip somewhat deeper in color. Abdomen yellow, the 1st to 3rd segments at the connexivum with a narrow fuscous stripe, the 4th to 8th with a fuscous dorsal stripe. Legs yellowish, femora, tibiae and the tarsi at the apices, fuscous.

Length—24 mm.; exp. 54 mm.

Hab.—Hokkaido (Sapporo); collected by the author, not common.

Platytipula n. g.

Differs from *Tipula* I. as follows:

Wings broad, discoidal cell rhomboidal, emitting 2 posterior veins, of which the anterior one being furcate, the petiole very short. Sucking surface of the proboscis leaflike much enlarged, on the sides being much elevated. The 2nd joint of the palpi clavate, the 3rd much shorter than the 2nd, the 4th nearly as long as the first 3 taken together. Antennae much longer than the head and proboscis taken together. Scutellum somewhat elevated.

Type—*Platytipula moiwana* Mats.

(489) よすぢがぐんば

第二十五圖 (3) (♀)

學名 *Tipula quadrifasciata* Mats.

昆蟲學上ノ地位 大蚊科

體ハ灰色、觸角ハ暗褐、基部ノ三節ハ黄色、小腮鬚ハ黒褐、中胸背ノ中央ニ暗色ノ一縦條ヲ具ヘ、

之レハ後縁ニ達ス、前縁ニテ幅廣シ、兩側ニ暗色ノ小點ヲ散在ス、翅ハ透明、前縁、中央ニアル三帶并ニ翅端ハ黑色、脈ハ黑色、但シ翅底脈、第二及ビ第六脈ハ黄色、平均棍ハ暗褐、柄部ハ黄色、腹部ハ灰褐、各節ノ後縁ハ灰色、尾節ハ黄色、脚ハ暗褐、轉節及ビ腿節ノ基部ハ黄色、體長五分、開張一寸一分、此ハ京都野平安藝雄氏ノ採集セルモノニシテ稀ナラザルガ如シ、分布—本州(京都)

Tipula quadrifasciata n. sp. (Pl. XXV, Fig. 3, ♀).

Gray. Antennae fuscous, the basal 3 joints yellowish. Palpi dark fuscous. The anterior lobe of the mesonotum with a fuscous stripe, which at the anterior margin becoming broader and continuing to the metanotum, on the sides scattering many fuscous spots. Wings hyaline, costa, 3 bands and the apex, black; veins, except the base as well as the 2nd and 6th veins, which are yellow, black. Halteres fuscous, the stems yellowish. Abdomen grayish brown, each segment at the hind margin narrowly grayish, pygidium yellowish. Legs fuscous, trochanter and the bases of the femora yellowish.

Length—25 mm.; exp, 33 mm.

Hab.—Honshu (Kyoto); collected by Mr. A. Nohira; not rare.

(490) のひらがらんぼ

第二十五圖(4) (♀)

學名 *Yamatotipula Nohirae* Mats.

昆蟲學上ノ地位 大蚊科

體ハ灰褐、頭、胸側、胸面、稜狀部并ニ後胸背ハ灰色、觸角ハ黄色、第一節及ビ終リノ三四節ハ暗灰色、小腮鬚ハ暗灰色、第三及ビ第四節ハ灰黄、第一節ハ短、第二及ビ第三節ハ同長、第四節ハ他

ノ三節ヲ合シタルヨリ遙ニ長シ、口吻ノ吸收部ハ小ニシテ暗褐、胸背ニ濃色ノ三縦條アリテ、中央ノモノ最モ長ク、何レモ前縁ニ達セズ、稜狀部及ビ後胸背ハ絹様ノ光澤ヲ有ス、翅ハ暗色、半透明、縁紋ノ内側、第一及ビ第二底室ノ末端、中室、第一後室並ニ第五脈下方ノ一圓ハ透明、中室ハ細長キ楕圓形ヲ呈ス、平均棍ハ灰褐、腹部ハ翅ヨリモ遙ニ短カク、背線ハ灰黄、腹面ハ灰色、第三乃至第七節ノ前後兩縁ニ暗色ノ一暗色帶アリ、産卵管ハ淡黄褐、尾節ヨリ少シク長シ、脚ハ灰黄、腿節及ビ脛節ノ末端並ニ跗節ハ暗色、體長八分、開張一寸八分、此ハ京都ニテ野平安藝雄氏ノ採集セルモノナリ、

分布—本州(京都)

Yamatotipula Nohirae n. sp. (Pl. XXV, Fig. 4, ♀).

Grayish brown. Head, pleurae, sternum, scutellum and metanotum grayish. Antennae yellowish, scape and the apical 3 or 4 joints dark gray. Palpi dark gray. Mesonotum with 3 deep colored stripes, the middle one being longest, with the other 2 not reaching to the anterior margin; scutellum and metanotum with some silky luster. Wings fuscous, subhyaline, the inner side of the stigma, apices of the first and second basal cells, the discoidal cell, the first posterior cell and the lower part of the 5th vein, largely hyaline. Halteres grayish brown. Abdomen with a broad testaceous stripe, venter grayish; the 3rd to 7th segments on both ends each with a narrow fuscous band; ovipositer pale fulvous. Legs testaceous, apices of the femora and tibiae, as well as the tarsi, fuscous.

Length—24 mm.; exp. 54 mm.

Hab.—Honshu (Kyoto); collected by Mr. A Nohira, not rare.

Yamatotipula n. sp.

Differs from *Tipula* L. as follows :

Wings very narrow ; much longer than the abdomen ; costal region throughout with fine numerous cross-veins. Discoidal cell narrowly oblong, emitting 2 posterior veins, the anterior one being furcate, the petiole somewhat shorter than the distance between the first and 2nd posterior veins. Palpi much longer than the antennae, the 1st short, the 2nd and 3rd subequal, the 4th much longer than the first 3 taken together. Antennal scape long and robust, with many transverse wrinkles, subequal to the following 3 joints taken together. Abdomen scarcely longer than the hind femur, ovipositor short, somewhat longer than the last segment.

Type—*Yamatotipula Nobirae* Mats.

(491) だ い め う が ん ぼ

第二十五圖 (5) (♀)

學名 *Daimiotipula daimio* Mats.

昆蟲學上ノ地位 大蚊科

體ハ灰黄、白粉ヲ装フ、頭ハ小ニシテ暗色、頭頂ニ球狀ノ一突起アリ、觸角ハ灰黄、初メノ二節ハ暗色、第三節ヨリ第七節迄ハ各節畧ボ同長、第二節ハ太ク、第一節ハ次ギノ三節ヲ合シタルモノト約同長、小腮鬚ハ暗褐ニシテ太ク、第二節最モ長クシテ棍棒狀ヲナス、第三節ト第一節ト約同長、第四節ハ第三節ト同幅、他ノ三節ヲ合シタルモノヨリ少シク短、複眼ハ金光ヲ放ツ、胸背ニ暗色ノ三縦紋アリテ、中央ニアルモノ太クシテ前縁ニ達スレドモ、兩側ニアルモノハ短カク、中央ニ達スルニ過ギズ、中胸背ノ後片ハ全部暗色、稜狀部及ビ後胸背ハ灰黄、翅ハ透明、前縁、横脈上ヲ斜走セル一帯、第五脈上ヲ縦走スル一條並ニ第一及ビ第二底室ノ基部ハ黒褐、前縁ノ褐色條ハ第二脈ノ

基部ニテ半圓形ノ一突起ヲ出ス、平均棍ハ灰黄、腹部ハ灰色、第一節ノ全部、第一乃至第四節ノ接合部並ニ其兩側ニアル一紋ハ黄色、腹面ニモ黄色部アリ、産卵管ハ小ニシテ上向ス、脚ハ灰黄、腿節端及ビ跗節ノ末端ハ暗色、體長一寸一分、開張一寸八分、此ハ札幌地方ニ産スレドモ稀ナリ、分布—北海道(札幌)。

Daimiotipula daimio n. sp. (Pl. XXV, Fig. 5, ♀).

Testaceous, white pruinose. Head fuscous. Antennae testaceous, the first 2 joints being fuscous. Palpi fuscous, with short black hairs. Compound eyes black, with a golden luster. Mesonotum with 3 fuscous stripes, the middle one being long and reaching to the anterior margin, the side ones ending in the middle, the posterior lobe of the mesonotum entirely fuscous. Scutellum and metanotum testaceous. Wings hyaline, costa broadly, a oblique band upon the cross-veins, the bases of the first and 2nd basal cells, as well as a longitudinal stripe upon the 5th vein, dark fuscous; at the base of the 2nd vein the costal stripe being somewhat enlarged; veins yellowish. Halteres testaceous. Abdomen gray, the first segment, the 1st to 4th at the junctions, as well as the side-spots, yellowish. Ovipositor short, somewhat upturned. Legs testaceous, the apices of the femora and tarsi fuscous.

Length—33 mm.; exp, 54 mm.

Hab.—Hokkaido (Sapporo); collected by the author, rare.

Daimiotipula n. g.

Differs from *Tipula* L. as follows:

The 2nd vein of the wing at the base somewhat oblique and seems as that of a cross-vein, near the tip between the 1st and 2nd veins a cross-vein; all the cross-veins situated nearly in an oblique line. Head very small, front above the antennae with a small wart-like tubercle. Antennae somewhat longer than the head and proboscis taken together, the first joint broad and

long, nearly as long as the following 3 joints taken together, the 2nd being much broader and longer than the 3rd, the 3rd to 7th joints subequal. Palpi robust, much broader than the antennae, the 1st short, the 2nd clavate, as long as the 3rd, the 6th somewhat shorter than the first 3 taken together. Abdomen much longer than the wing, the hind femur reaching to the end of the 4th segment, ovipositor short, upturned.

Type.—*Dainiipula dainio* Mats.

(492) こふきがらんぼ

第二十五圖 (6) (♀)

學名 *Togotipula pulverosa* Mats.

昆蟲學上ノ地位 大蚊科

體ハ黑色、白粉ヲ密布ス、口吻ニハ白粉ヲ缺キ、上方ニ鼻狀ノ一長突起ヲ裝フ、小腮鬚ハ褐色、觸角ハ短カク、基部ノ二節ヲ除キ灰黄、第一節ハ第二及ビ第三節ヲ合シタルモノト同長、褐毛ヲ裝フ、頭頂ニハ橙黄色ノ一紋アリテ稍々三角形ヲ呈ス、中胸背ハ稜狀部ノ兩側ニテ白粉ヲ缺ク、翅ハ灰色、半透明、前縁室ニ縮皺多シト雖ドモ横脈ヲ缺キ、脈及ビ縁紋ハ黒褐、前縁及ビ翅底ハ淡黄褐、平均棍ハ長ク、褐色ノ基部ハ少シク淡色、腹部ハ橙黄色、第一節及ビ第二節ノ基部ハ黒色ニシテ白粉ヲ裝ヒ、第五節以下末端周縁ヲ除キニ至ル迄黒色、腹面ハ黄色、腹走線ハ黒色ニシテ斷續ス、脚ハ頗ル長ク、灰色、基部ハ黒色ニシテ白粉ヲ具ヘ、腿節ノ基部ハ灰黄、後腿節ハ第六腹部ノ末端ニ達ス、體長七分、開張一寸五分、此ハ京都ニテ野平安藝雄氏ノ採集セルモノナルガ稀ナルガ如シ、分布—本州(京都)、

Togotipula pulverosa n. sp. (Pl. XXXV, Fig. 6, ♀).

Black, except the proboscis white pruinose. Palpi brown. Antennae testaceous, the first 2 joints being black; the first joint as long as the 2nd and 3rd taken together. Vertex with a triangular orange-yellow spot. Mesonotum on the sides of the scutellum and the hind part of the metanotum not white pruinose. Wings subhyaline, grayish, veins and stigma dark fuscous, costa and base fulvous. Halteres brown, at the base somewhat paler. Abdomen orange-yellow, the first and the base of the 2nd segment, black, white pruinose, the 5th to last segments (except the margins) black; venter yellow, with an interrupted black stripe. Legs grayish, coxae black, white pruinose, the basal halves of the femora testaceous.

Length—21 mm.; exp 45 mm.

Hab.—Honshu (Kyoto); collected by Mr. A. Nohira (rare).

Togotipula n. g.

Near *Tibula*, but differs from the latter as follows:

Wings somewhat longer than the abdomen, costal cell without any cross-vein. Antennae very short, the first joint as long as the 2nd and 3rd taken together, the 2nd transverse, from the 6th joint to suddenly narrower. Palpi somewhat longer and robuster than the antennae, the first shorter than the 2nd, the 2nd clavate, the 3rd as long as the first 2 taken together, the 4th somewhat as long as the 2nd and 3rd taken together. Proboscis somewhat shorter than the head, above with a very long rostriform projection. Legs very slender and long, the hind femur reaches to the end of the 6th abdominal segment.

Type—*Togotipula pulverosa* Mats.

(493)

ちおおすゐがしんが

第二十五圖 (7) (♀)

學名 *Pachyrhina Makiella* Mats.

昆蟲學上ノ地位 大蚊科

體ハ橙黃色、觸角ハ黑色、基部ノ二節ハ黃色、小腮鬚ノ第二節ハ少シク暗色ヲ帶ブ、口吻ニハ暗褐毛ヲ裝フ、中胸背ノ前片ニハ暗褐ノ三縱紋アリテ中央ニアルモノ最モ長シ、同後片ニハ逆八字形ノ褐紋アリ、稜狀部ノ中央及ビ後縁ハ褐色、翅ハ透明、脈及ビ線紋ハ黑褐、平均棍ハ灰黃、頭狀部ニ一褐紋アリ、腹部ハ橙黃色、第一節ノ基部並ニ第二乃至第七節ノ後縁ハ廣ク黑褐、脚ハ灰黃、跗節ハ基部ヲ除キ暗褐、體長五分五厘、開張九分、此ハ臺灣臺北ニテ牧茂市郎氏ノ採集セルモノナルガ幼蟲ハ桑ノ害蟲ナリト云フ、
分布—臺灣(臺北)。

Pachyrhina Makiela n. sp. (Pl. XXV, Fig. 7, ♀).

Orange-yellow. Antennae black, the basal 2 joints yellowish. Palpi at the second joint somewhat infuscated. Rostriform projection of the proboscis with fuscous hairs. Anterior lobe of the mesonotum with 3 short longitudinal fuscous stripes, of which the middle one being longest, the posterior lobe with an inverted V-shaped marking. Scutellum in the middle and at the posterior margin brownish. Wings hyaline, veins and stigma dark fuscous. Halteres testaceous, the knob with a brownish speck. Abdomen orange-yellow, the first at base and each hind margin of the 2nd to 7th segments broadly dark fuscous. Legs testaceous, tarsi except the bases fuscous.

Length—16.5 mm.; exp. 27 mm.

Hab.—Formosa (Taihoku); collected by Mr. M. Maki, the larvae said to be injurious to mulberry plant.

(494) なみがたがぐんばもぐき

第二十五圖 (8) (♀)

學名 *Libnotes undulatus* Mats.

昆蟲學上ノ地位 大蚊科

體ハ灰褐、觸角ハ灰色、十四節ヨリ成リ、末端節ハ長シ、頭ハ小、後頭ノ中央ニ黄色ノ一縦條アリ、前胸背ノ中央ハ黄色、中胸背ニ灰色ノ三縦條アリテ何レモ前縁ニ達セズ、翅ハ透明、光線ノ工合ニヨリ紅色ヲ表ハス、脈ハ太ク暗色ニシテ斷續シ、翅底及ビ前縁ハ黄色、平均棍ハ灰黄、頭狀部ハ暗褐、腹部ハ短カク、漸ク翅ノ半ニ達シ、灰黄、背線、氣門線及ビ腹走線ハ暗色、産卵管ハ圓錐形ヲナシテ短シ、脚ハ黄色、腿節、脛節及ビ跗節ノ末端ハ暗色、體長四分五厘、開張一寸三分、此ハ京都ニテ野平安藝雄氏ノ採集セルモノナルガ稀ナラザルガ如シ、分布—本州(京都)。

Libnotes undulatus n. sp. (Pl. XXV, Fig. 8, ♀).

Grayish brown. Antennae grayish, the first as long as the following 3 joints taken together, the last joint somewhat shorter than the foregoing 2 joints taken together. Occiput in the middle with a yellowish stripe. Pronotum in the middle broadly yellow. Mesonotum in the middle with 3 narrow stripes, which not reaching to the anterior margin. Wings hyaline, strongly iridescent, veins broadly fuscous, here and there being interrupted, the base and costa fulvous. Halteres testaceous, the knobs fuscous. Abdomen testaceous, dorsal, stigmatal and ventral stripes, fuscous. Legs yellow, apices of the femora, the tibiae and tarsi fuscous.

Length—13.5 mm.; exp. 39 mm.

Hab.—Honshu (Kyoto); collected by Mr. A. Nohira.

(495) くろがぐんぼもぐち

第二十五圖 (9) (♂)

學名 *Eriocera morosa* Ostens.

昆蟲學上ノ地位 大蚊科

體ハ黑色、口吻、觸角及ビ小腮鬚ハ暗褐、頭頂ニ一隆起ヲ具ヘ、胸背ニ四條ノ灰黑條アリテ兩側ニアルモノハ短カシ、稜狀部ハ三角形ヲナシテ高ク突出ス、翅ハ暗色、半透明、光線ノ工合ニヨリ少シク紫色ヲ現ハス、平均棍ハ暗色、腹部ハ黑色、翅ノ半以上ニ達シ、黒毛ヲ裝ヒ、光澤アリ、雄ハ尾端ノ兩側ニ圓錐形ノ一突起ヲ具ヘ、雌ノ産卵管ハ長クシテ黄褐、脚ハ黒褐ニシテ太ク、第五跗節ノ基部ニ疣狀突起アリ、體長六分、開張一寸五分、此ハ臺灣埔里社ニテ捕獲セルモノナルガ稀ナラザルガ如シ、分布—臺灣(埔里社)、

(496) しろほしがぐんぼもこぎ

第二十五圖 (10) (♀)

學名 *Eriocera alboguttata* Mats.

昆蟲學上ノ地位 大蚊科

體ハ黒褐、觸角ハ鞭狀、十節ヨリ成リ、第三節最長、小腮鬚ハ短大、肩部ハ灰色、中胸背ハ天鷲絨様ノ光澤ヲ帶ブ、前翅ハ暗褐、半透明、中央ニ近ク白色透明ノ一帯アリテ、之レハ第一脈ヨリ第五脈ニ達ス、平均棍ハ暗色、腹部ハ翅ヨリ少シク短、各節ノ接合部ハ少シク淡色、脚ハ褐色、後肢ハ太ク、同腿節ハ腹部ヨリモ少シク短、脛節ニ二距アリ、體長六分、開張一寸、此ハ初メ伊豫ニテ荒川重理氏ノ採集セルモノナルガ其後本州及ビ九州ニテモ採集セラレタリ、分布—本州(熱海)、四國(伊豫)、九州(熊本)。

Eriocera albogutata n. sp. (Pl. XXV, Fig. 10, ♀).

Dark fuscous. Antennae brown, the basal 2 joints dark fuscous. Humeri grayish, mesonotum velvety black. Wings subhyaline, fuscous, near the middle at the base of the basal cells with a broad whitish band, which extends from the first to the 5th vein. Halteres fuscous. Abdomen somewhat shorter than the wings, at the joints somewhat paler. Legs brown, the hind legs much longer and robuster.

Length—18 mm.; exp. 30 mm.

Hab.—Honshu (Atami), Shikoku (Iyo), Kiushu (Kunamoto).

(497) ひげなががらんぼもつお
第二十五圖 (11)
(♂)

學名 *Globericera moriokana* Mats.

昆蟲學上ノ地位 大蚊科

體ハ暗褐、頭ハ淡黃褐、球狀ノ一突起ヲ具ヘ、其前縁ハ暗色、小腮鬚ハ暗灰色、觸角ハ六節ヨリ成

リ頗ル長ク、體ノ四倍長アリ、第一節ハ短大ニシテ相接ス、第二節ハ短小、第三節ヨリハ第四節少シク短、第五節ハ第三及ビ第四節ヲ合シタルモノト約同長、第六節ハ他節ヲ合シタルモノヨリ少シク短、胸背ニハ灰黄毛多ク、中胸背ノ前片ニハ灰色ノ三縦條ヲ具ヘ、稜狀部ノ後縁ハ灰黄、胸背ニ灰白粉ヲ裝フ、翅ハ體ヨリモ長ク、透明ニシテ少シク灰黄ヲ帶ビ、脈ハ翅底ノ半部及ビ前縁ニテ灰黄、外半ニテ暗色、縁紋ハ暗褐、中室ヨリハ三脈ヲ出シ、何レモ分枝セズ、平均棍ハ灰黄、末端ハ暗褐、腹部ハ灰黄、第三節ヨリ尾端ニ至ル迄褐色ヲ帶ブ、灰色毛多シ、生殖器ノ末端ニ圓柱形ノ二突起アリテ更ニ其末端ヨリ鈎狀ノ一突起ヲ生ズ、脚ハ灰黄、前中兩腿節ハ短、後腿節ハ前腿節ノ二倍長アリテ腹部ヨリモ長シ、後跗節ハ脛節ヨリモ遙ニ短カシ、體長三分五厘、開張一寸一分、觸角長二寸六分、此ハ盛岡ニテ大森順造博士ノ採集セルモノナリ、分布—本州(盛岡)。

Globericera moriokana n. sp. (Pl. XXV, Fig. 11, ♂)

Fuscous. Head pale fulvous, shining, a globular projection at the anterior margin fuscous. Palpi dark grayish. Antennae fuscous, the first and the base of the 2nd joint being fulvous, the first in the middle with a fuscous stripe. Thorax densely testaceous pubescent, the anterior lobe of the mesonotum with 3 grayish stripes; scutellum on the hind margin testaceous; pleurae grayish white pruinose. Wings subhyaline, with a testaceous tinge, veins on the basal half and at the costa testaceous, on the apical half and the stigma fuscous. Halteres testaceous, at the apices fuscous. Abdomen grayish yellow, densely grayish pubescent, the 3rd to the last segments somewhat infuscated; hypopygium with 2 cylindrical projections, each at the apex provided with a hook-like appendage. Legs grayish yellow.

Length—10.5 mm.; exp. 33 mm.; antenna 78 mm.

Hab.—Honshu (Morioka); collected by Prof. J. Omori, quite rare.

Globericera n. g.

In the middle of the vertex with a large globular projection. Antennae 6 jointed, in the male very long, setaceous, about 4 times as long as the body, the first joint very large and robust, and touch each others, the 2nd very short, the 3rd a little shorter than the 4th, the 5th subequal to the 3rd and 6th taken together, the 6th somewhat shorter than the other joints taken together. Palpi long, the 4th joint small and long, somewhat longer than the 3rd. Wings somewhat longer than the body, with 2 submarginal cells, discoidal cell with 3 parallel posterior veins, the stigma large. Anterior and middle femora short, and much shorter than the tibiae, those of the posterior legs being longer and a little shorter than the same tibiae, posterior tarsi short.

Type—*Globericera moriokana* Mats.

(498) たけいがらんぼもつお

第二十五圖 (12) (♂)

學名 *Gaganba* Takei Mats.

昆蟲學上ノ地位 大蚊科

體ハ栗色、腹部ハ橙黄色、頭ハ灰褐、後頭ニ横皺多シ、觸角ハ黄色、基節ノ二節ハ暗褐、小腮鬚ハ太ク、四節ヨリ成リ、末端ハ鈎状ニ曲ル、第一節最長、第二及ビ第四節ハ約同長、第三節ハ少シク短、胸側ハ灰黄、白粉ヲ裝フ、中胸背ニ濃色ノ細キ三縦條アレドモ餘リ判然セズ、黄毛ヲ疎生ス、翅ハ半透明、黄褐、暗褐紋ヲ散在シ、縁紋ハ黄色、中室ヨリハ三脈ヲ出シ、其第一脈ハ分支シ長柄ヲ有ス、平均棍ハ暗黄、腹部ハ平タク、第四節ノ處ニテ幅廣、第四節ヨリ尾節ニ至ル迄少シク褐色

ヲ帶ズ、基部ノ兩側ニ一黒縦條アリ、尾節ハ稍々四角形、末端ノ兩側ニ内方ニテ相交叉セル一鈎アリ、黄毛ト黒毛ヲ混生ス、脚ハ頗ル太ク、黄褐、脛節ノ基部ニ黄白部アリ、腿節ノ末端及ビ中央並ニ脛節ノ兩端及ビ跗節ハ暗褐、體長九分、開張一寸三分—一寸五分、此ハ初メ埼玉ニテ竹井武一氏ノ採集セルモノナルガ其後處々ニ採集セラレタリ、稀ナラザルガ如シ、
分布—本州埼玉、京都、大阪、

Gagamba Takei n. sp. (Pl. XXV, Fig. 12, ♂).

Castaneous brown, abdomen orange yellow. Head grayish brown, occiput transversely wrinkled. Antennae yellow, the first 2 joints being fuscous. Palpi robust, brown. Thorax on the sides grayish yellow, white pruinose, on the anterior lobe of the mesonotum with 3 narrow fuscous stripes; sparsely yellowish pubescent. Wings subhyaline, fulvous, scattered with fuscous spots, of which 2 spots respectively at the base and apex of the basal cell being largest. Halteres dirty yellow. Abdomen on the apical half brownish, on the side near the base with a fuscous stripe; hypopygium nearly square, yellow and black pubescent, on each side with a long fulvous hook, which crossing each other at the apex. Legs fulvous, fuscous pubescent, near the bases of the tibiae pale yellowish and concolorous pubescent, apices and the middle of the femora, both ends of the tibiae, as well as the tarsi, fuscous.

Length—27 mm.; exp. 39 mm.

Hab.—Honshu (Saitama, Kyoto and Osaka); at first it was collected in the Prov. Saitama by Mr. T. Takei and afterwards in Kyoto and Osaka, collected by Messrs. A. Nohira and M. Shibakawa.

Gagamba n. g.

Near *Linnophila*, Macg. but differs from the latter as follows:

Antennae short, the first joint very long, occupying nearly $\frac{1}{3}$ of the whole length, the 2nd to 5th joints nearly globular.

Palpi short and robust, the first joint longest, the 2nd and 4th subequal, the 3rd somewhat shorter. Wings subequal to the length of abdomen, discoidal cell large, emitting 3 parallel posterior veins, of which the anterior one being forked and with a long petiole. Legs long and robust, the hind femur somewhat longer than the middle one, the same tibiae somewhat shorter than the femur, tarsi somewhat narrower than the tibiae and subequal to the latter.

Type—*Gangamba Takei Mats.*

(499) こしぼそがじんぼ

第二十五圖 (13) (♀)

學名 *Psychoptera scutellaris Mats.*

昆蟲學上ノ地位 大蚊科

體ハ光澤アル黒藍色、觸角ハ黒色、第二節ノ末端ハ黄色、小腮鬚ハ黄色、末端ハ少シク褐色ヲ帶ブ、頭ハ黒色、稜狀部ハ黄色、翅ハ半透明、外半ニテ少シク暗色ヲ帶ブ、脈ハ暗色、翅底ノ半部ニテハ暗黄、暗褐ノ短毛多シ、平均棍ハ淡黄、腹部ハ黒色、第二節ノ基部ハ褐色、第二節以下各節ニ横皺多ク其後縁ニ淡黄毛ヲ具ヘ、帶ヲ有スルガ如シ、産卵管ハ黄褐ニシテ長シ、脚ハ黄色、腿節及ヒ脛節ノ末端並ニ跗節基部ヲ除キハ暗褐、體長三分、開張六分、此ハ札幌地方ニ稀ナラズ、分布—北海道、本州、

Psychoptera scutellaris n. sp. (Pl. XXV, Fig. 13, ♀).

Bluish aeneous. Head and antennae black, the latter at the apex of the 2nd joint yellowish. Palpi yellowish, at the apices somewhat infuscated. Thorax without any marking. Scutellum yellow. Wings subhyaline, on the apical half somewhat infuscated, veins and stigma fuscous, the former on the basal half being dirty yellow. Halteres pale yellowish. Abdomen

black, the 2nd and 4th segments each at the base brownish, the 2nd to last segments transversely wrinkled and on each hind margin pale yellowish pubescent. Ovipositor fulvous and long. Legs yellow, apices of the femora and tibiae, as well as the tarsi (except the bases), fuscous.

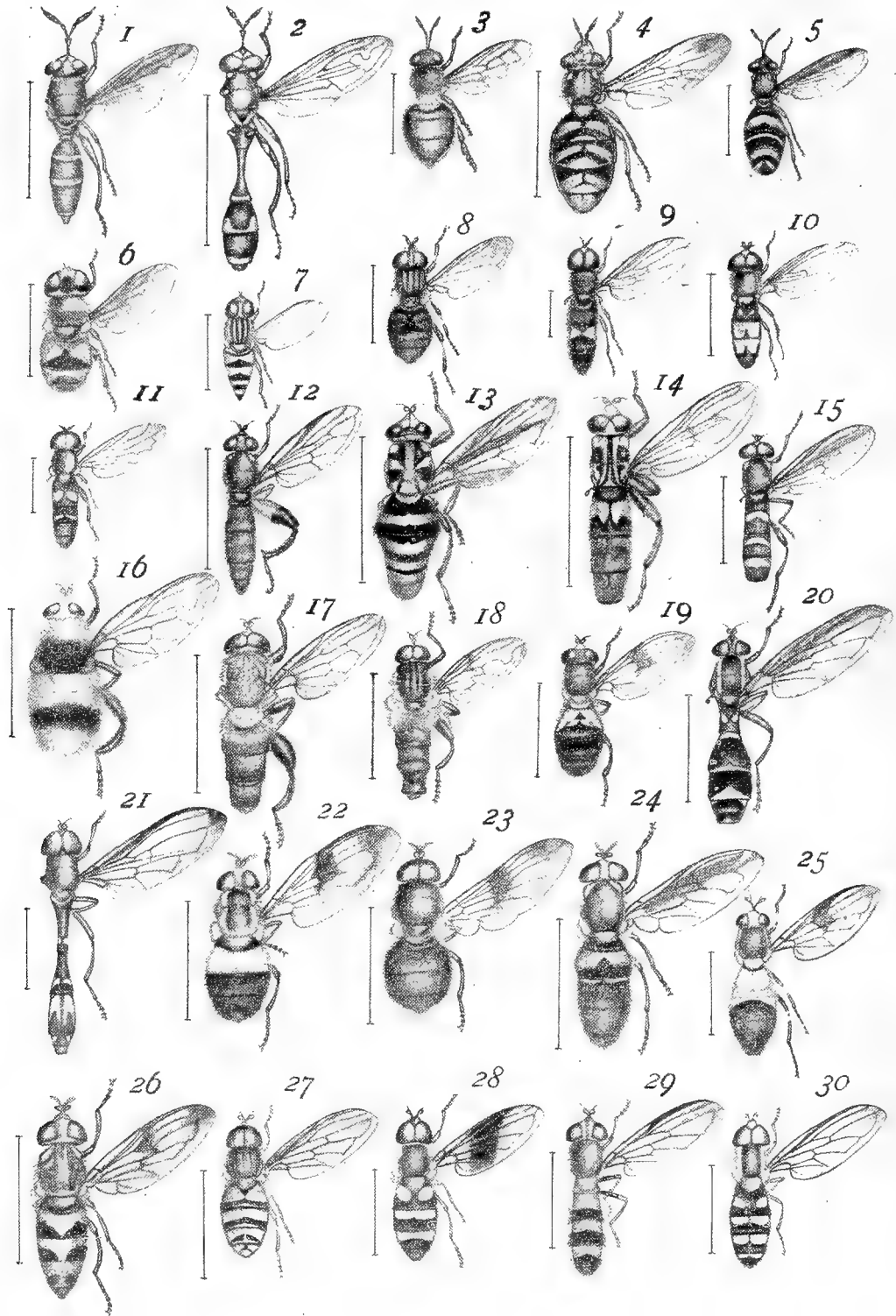
Length—9 mm.; exp. 18 mm.

Hab.—Hokkaido, Honshu (not rare).

第十六圖

第十六圖 (Pl. XVI.)

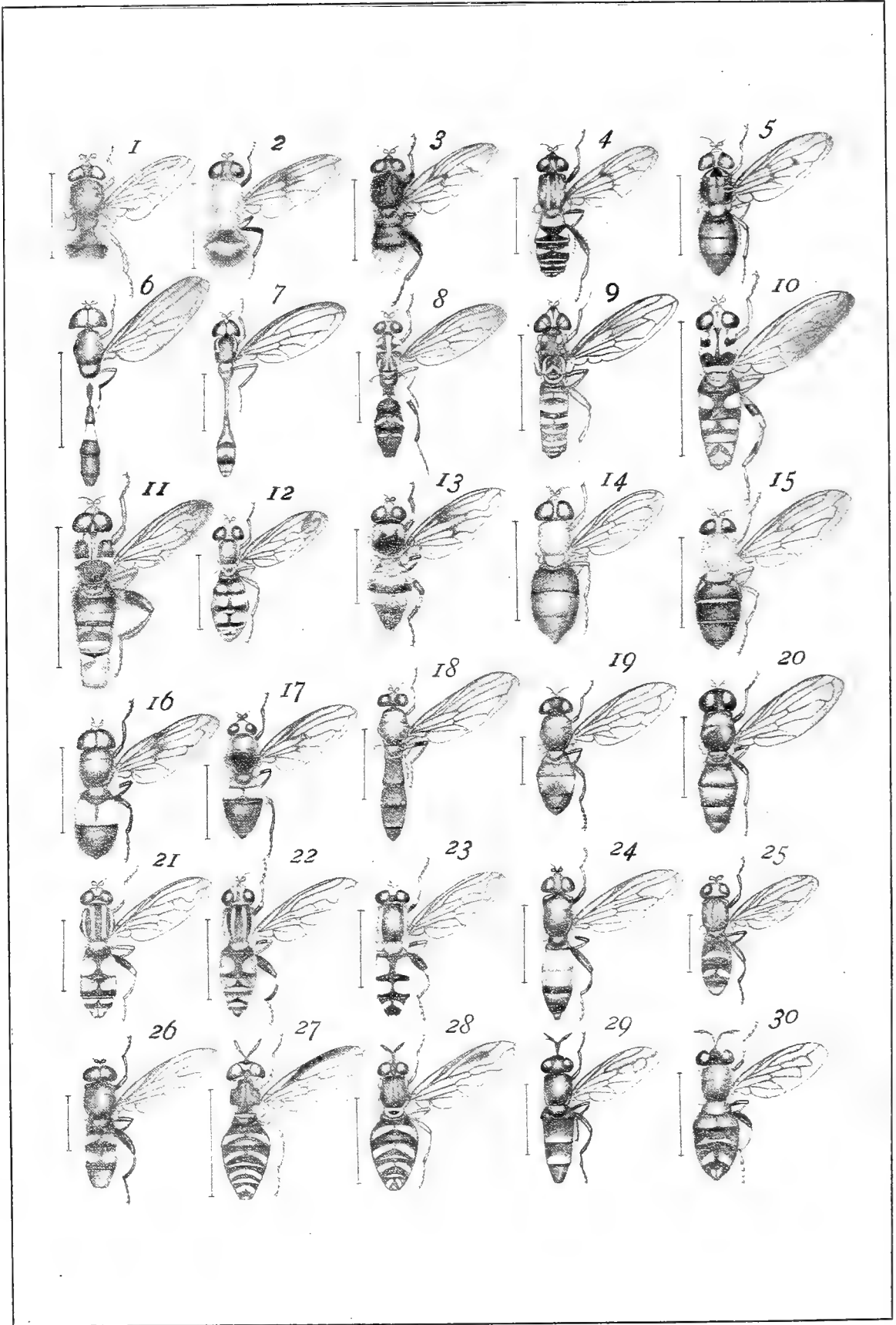
		PAGE.
1.	<i>Ceria pleuralis</i> Coq. ♀	はちもごきはなあぶ 185
2.	<i>Sphiximorpha horishana</i> Mats. ♂	ながはちもごきはなあぶ 186
3.	<i>Microdon auriferus</i> Coq. ♀	きんありすあぶ 187
4.	<i>Chrysotoxum grandis</i> Mats. ♀	おほひげながはなあぶ 188
5.	<i>Chrysotoxum biguttatum</i> Mats. ♀	ふたほしひげながはなあぶ 189
6.	<i>Megaspis errans</i> F. ♀	たいわんおほはなあぶ 190
7.	<i>Eristalodes Kobusi</i> Meij. ♀	たいわんはなあぶ 190
8.	<i>Eristalis viridis</i> Coq. ♀	るりはなあぶ 191
9.	<i>Paragus jozanus</i> Mats. ♂	ちやうざんひめひらたあぶ 192
10.	<i>Melanostoma incisum</i> Mats. ♀	よつぼしつやひらたあぶ 193
11.	<i>Eumerus japonicus</i> Mats. ♂	まごひらたあぶ 194
12.	<i>Xylota femorata</i> L. ♀	ももあかながはなあぶ 195
13.	<i>Spilomyia jozankeana</i> Mats. ♀	ちやうざんながはなあぶ 196
14.	<i>Milesia undulata</i> Voll. ♂	ねあきながはなあぶ 198
15.	<i>Temnostoma Nitobei</i> Mats. ♀	にとべながはなあぶ 199
16.	<i>Mallota japonica</i> Mats. ♀	みけももぶとほはなあぶ 200
17.	<i>Criorhina jesoensis</i> Mats. ♂	おほあしぶとほはなあぶ 202
18.	<i>Mallota takasagensis</i> Mats. ♂	たかさごももぶとほはなあぶ 203
19.	<i>Acrophila jozana</i> Mats. ♂	もんきちもぶとほはなあぶ 205
20.	<i>Bacchiopsis vespiformis</i> Mats. ♀	おほこしぼそはなあぶ 206
21.	<i>Baccha pulchrifrons</i> Aust. ♀	つまぐるこしぼそはなあぶ 208
22.	<i>Volucella japonica</i> Big. ♀	しろすちべっかうはなあぶ 209
23.	<i>Volucella nigricans</i> Coq. ♂	くろべっかうはなあぶ 209
24.	<i>Volucella Nitobei</i> Mats. ♀	にとべべっかうはなあぶ 210
25.	<i>Lencoma lucorum</i> L. ♀	つまぐるはなあぶ 211
26.	<i>Volucella 6-maculata</i> Mats. ♀	むつぼしべっかうはなあぶ 212
27.	<i>Didea formosana</i> Mats. ♂	たいわんひらたあぶ 214
28.	<i>Didea aegrota</i> F. ♂	なかぐるひらたあぶ 215
29.	<i>Chaematosyrphus Miyakei</i> Mats. ♀	みやけひらたあぶ 216
30.	<i>Xanthogramma citrofasciatum</i> Deg. ♂	きべりひらたあぶ 217



第十七圖

第十七圖 (Pl. XVII.)

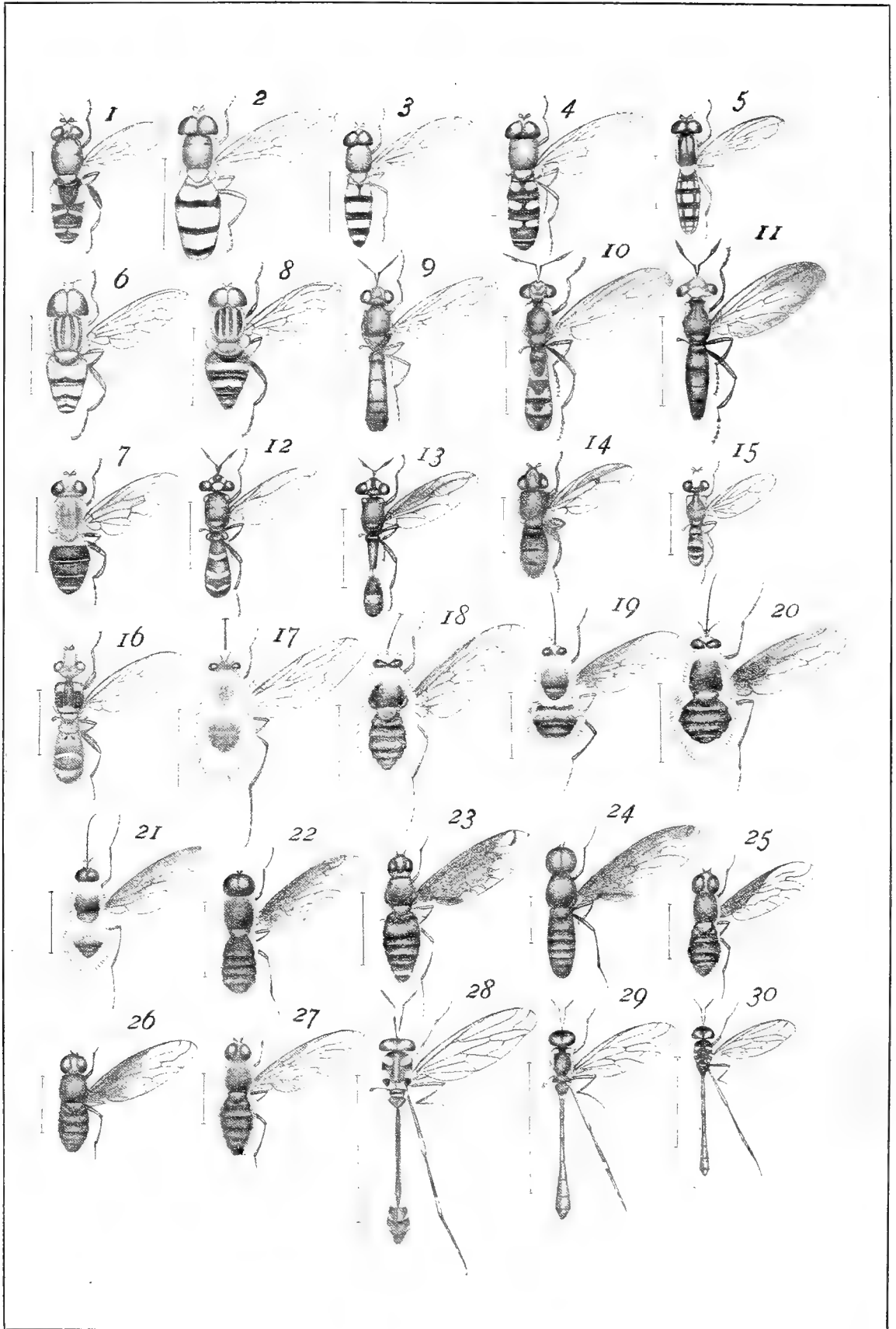
		PAGE.
1.	<i>Mallota rubripes</i> Mats. ♀	あかあしももぶごはなあぶ 218
2.	<i>Nephomyia bombiformis</i> Mats. ♀	はなばちもごき 219
3.	<i>Criorhina apicalis</i> Mats. ♂	つまきももぶごはなあぶ 221
4.	<i>Merapioides japonicus</i> Mats. ♀	おもながはなあぶ 222
5.	<i>Ferdinanda Suzukii</i> Mats. ♀	すいきふたもんはなあぶ 224
6.	<i>Baccha nubilipennis</i> Mats. ♂	くろばこしほそはなあぶ 225
7.	<i>Baccha fulvicostalis</i> Mats. ♂	まへきこしほそはなあぶ 226
8.	<i>Vespiomyia 6-maculata</i> Mats. ♀	むつぼしはちもごきはなあぶ 227
9.	<i>Spilomyia Suzukii</i> Mats. ♀	すいきながはなあぶ 229
10.	<i>Milesia yayeyamana</i> Mats. ♀	やへやまながはなあぶ 230
11.	<i>Milesia elegans</i> Mats. ♀	をきなはながはなあぶ 232
12.	<i>Brachyopa nikkoensis</i> Mats. ♀	にっくわうひらたにあぶ 233
13.	<i>Eristalis toyoharensis</i> Mats. ♀	とよはらはなあぶ 234
14.	<i>Volucella Suzukii</i> Mats. ♂	すいきべっかうはなあぶ 236
15.	<i>Volucella nubeculosa</i> Big. ♀	てらうちべっかうはなあぶ 237
16.	<i>Volucella pellucens</i> L. ♂ var. <i>japonica</i> Mats.	すかしべっかうはなあぶ 238
17.	<i>Cheilosia motodomariensis</i> Mats. ♀	もごまりくろはなあぶ 239
18.	<i>Stenocheilosia Isshikii</i> Mats. ♀	いっしきほそくろはなあぶ 240
19.	<i>Chrysogaster semiopaca</i> Mats. ♀	まごくろはなあぶ 242
20.	<i>Cheilosia flavipes</i> Mats. ♀	きあしくろはなあぶ 243
21.	<i>Helophilus pendulus</i> L. var. <i>sap- porensis</i> Mats. ♀	ほしあしぶごはなあぶ 245
22.	<i>Helophilus akakurensis</i> Mats. ♀	あかくらあしぶごはなあぶ 246
23.	<i>Helophilus lateralis</i> Mats. ♀	きべりあしぶごはなあぶ 247
24.	<i>Xylota basalis</i> Mats. ♀	ねうすながはなあぶ 248
25.	<i>Paragopsis griseofasciatus</i> Mats. ♀	はいじまはなあぶ 249
26.	<i>Xylota formosana</i> Mats. ♂	たいわんながはなあぶ 251
27.	<i>Chrysotoxum sachalinense</i> Mats. ♀	からふごひげながはなあぶ 252
28.	<i>Chrysotoxum japonicum</i> Mats. ♀	やまごひげながはなあぶ 253
29.	<i>Microdon bifasciatus</i> Mats. ♀	ふたをびありすあぶ 254
30.	<i>Microdon jezoensis</i> Mats. ♀	えぞありすあぶ 255



第十八圖

第十八圖 (Pl. XVIII.)

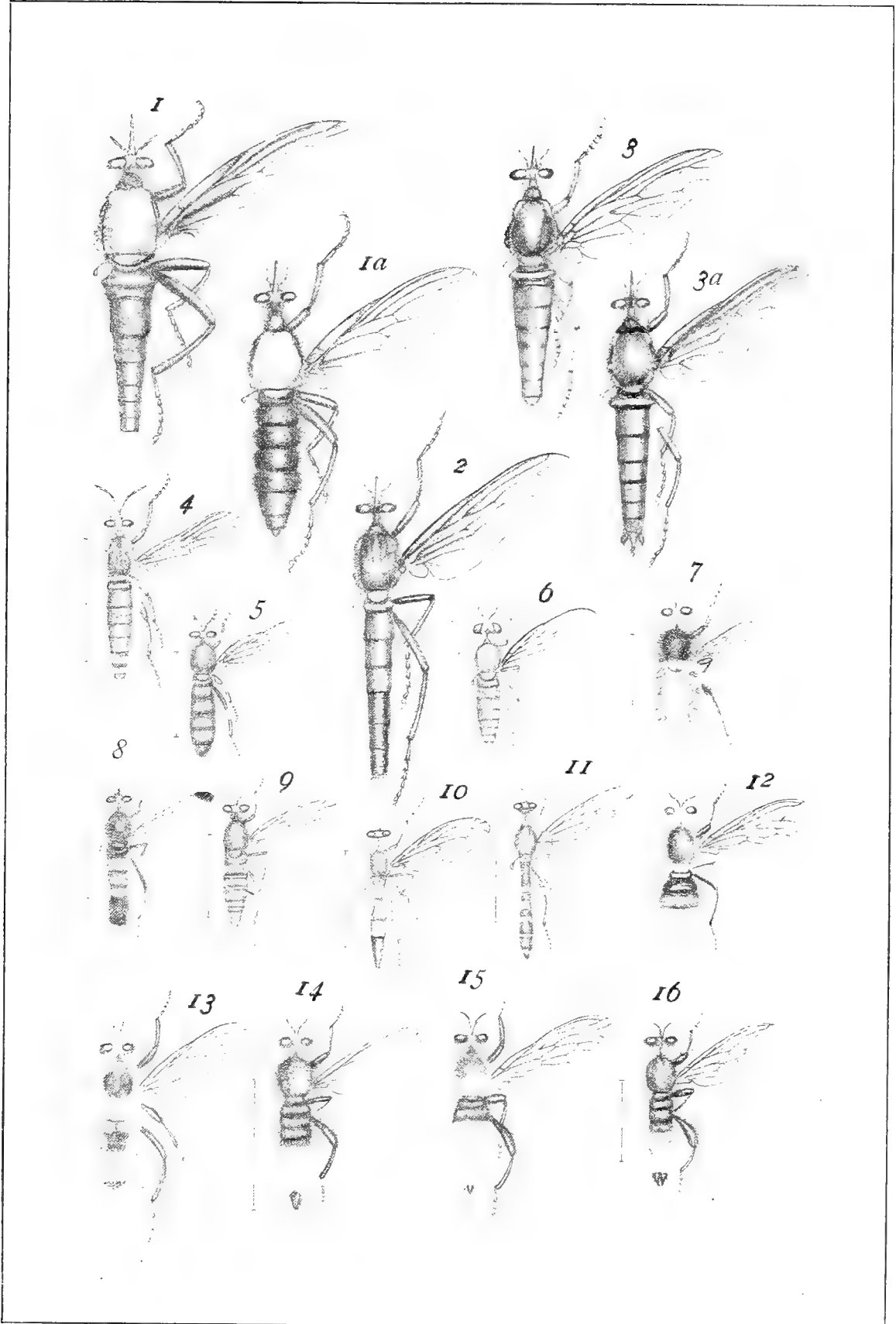
					PAGE.
1.	<i>Merodon Kawamurae</i> Mats.	♀	かはむらももぶごはなあぶ	256	
2.	<i>Syrphus okinawensis</i> Mats.	♂	をきなはひらたあぶ	258	
3.	<i>Syrphus cinetellus</i> Zett.	♀	ほそくびひらたあぶ	259	
4.	<i>Syrphus lasiophthalmus</i> Zett.	♂	ほそむつもんひらたあぶ	259	
5.	<i>Melithreptus Suzukii</i> Mats.	♀	すいきひめひらたあぶ	260	
6.	<i>Eristalis okinawensis</i> Mats.	♂	をきなははなあぶ	261	
7.	<i>Eristalis sachalinensis</i> Mats.	♀	からふごはなあぶ	263	
8.	<i>Eristalis arisanus</i> Mats.	♂	ありさんはなあぶ	264	
9.	<i>Conops curtulus</i> Coq.	♂	きあしくろめばい	265	
10.	<i>Conops hanazonensis</i> Mats.	♂	はなぞのめばい	266	
11.	<i>Conops nigaicans</i> Mats.	♀	くろめばい	267	
12.	<i>Conops jozankeanus</i> Mats.	♂	ちやうざんめばい	268	
13.	<i>Physocephala jezoensis</i> Mats.	♂	えぞはらぼそめばい	270	
14.	<i>Myopa testacea</i> L.	♀	なかほしめばい	271	
15.	<i>Occeymia nishitapensis</i> Mats.	♀	ふたをれめばい	272	
16.	<i>Occeymia Ogunae</i> Mats.	♀	をぐまふたをれめばい	273	
17.	<i>Anastoechus nitidulus</i> F.	♀	ごらつりあぶ	274	
18.	<i>Anastoechus Suzukii</i> Mats.	♂	すいきびろごつりあぶ	275	
19.	<i>Bombylius Shibakawae</i> Mats.	♀	しばかはびろごつりあぶ	276	
20.	<i>Bombylius Watanabei</i> Mats.	♀	わたなべびろごつりあぶ	277	
21.	<i>Bombylius atriceps</i> Loew.	♂	こびろごつりあぶ	278	
22.	<i>Hyperalonia similis</i> Coq.	♀	まへぐろつりあぶ	278	
23.	<i>Anthrax jezoensis</i> Mats.	♀	えぞくろつりあぶ	279	
24.	<i>Anthrax yamashiroensis</i> Mats.	♀	やましろくろつりあぶ	280	
25.	<i>Anthrax ogasawarensis</i> Mats.	♀	をがさはらつりあぶ	281	
26.	<i>Anthrax koshunensis</i> Mats.	♀	こうしゆんつりあぶ	282	
27.	<i>Argyromoeba boninensis</i> Mats.	♀	をがさはらほしあぶ	283	
28.	<i>Syrtophus hoppo</i> Mats.	♂	ほつほはらほそつりあぶ	285	
29.	<i>Syrtophus Suzukii</i> Mats.	♂	すいきはらほそつりあぶ	286	
30.	<i>Syrtophus Nitobei</i> Mats.	♂	にとべはらほそつりあぶ	287	



第十九圖

第十九圖 (Pl. XIX.)

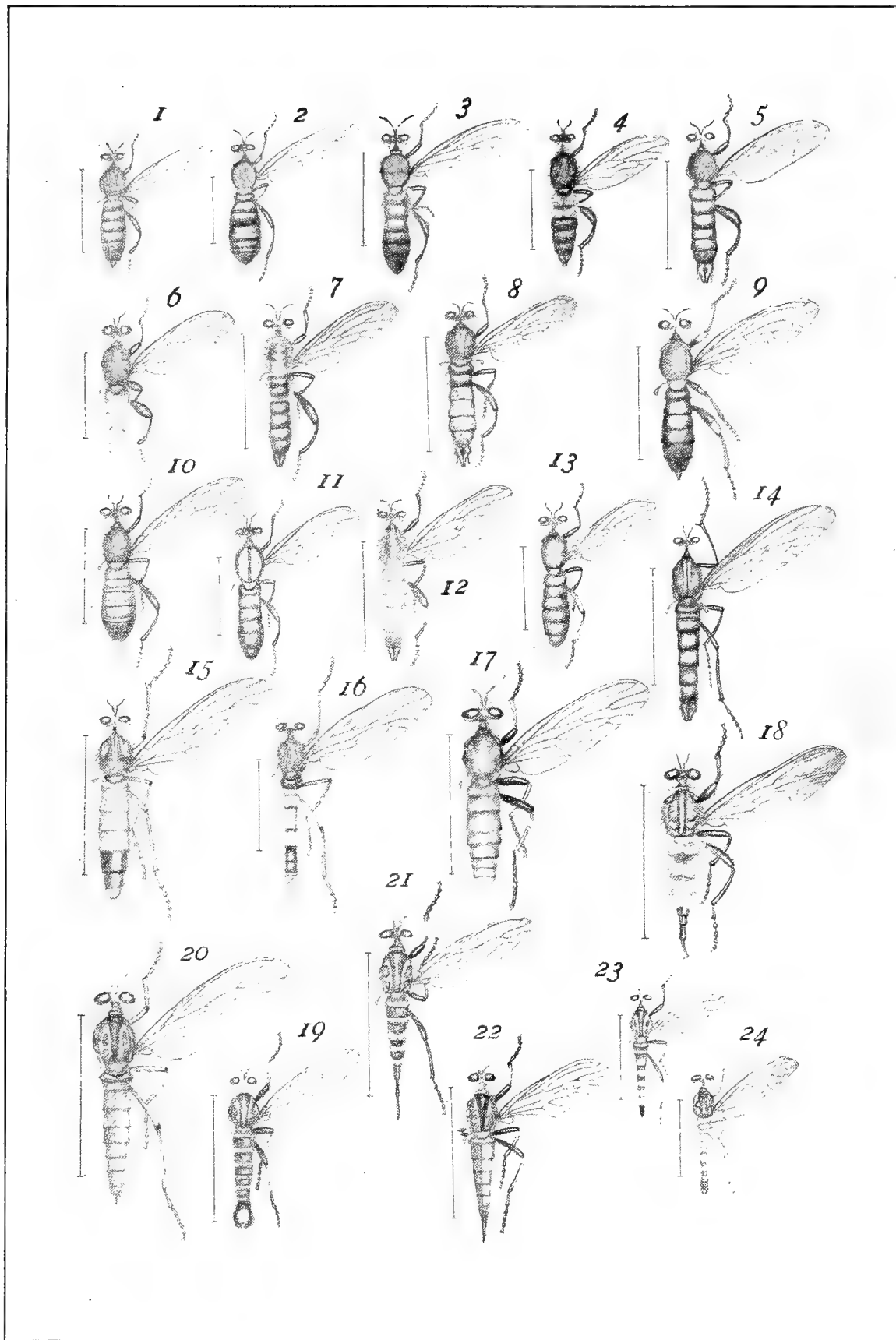
			PAGE.	
1.	<i>Microstylum Oberthüri</i> Wulp.	♂	るりいろおほむしひき	288
1a.		♀		
2.	<i>Microstylum amoense</i> Bigot.	♀	つまぐろおほむしひき	289
3.	<i>Microstylum dimorpha</i> Mats.	♂	めすあかおほむしひき	290
3a.		♀		
4.	<i>Ceraturgus Kawamurae</i> Mats.	♀	かはむらひげながむしひき	291
5.	<i>Myelaphus jozanus</i> Mats.	♀	ひげながいしあぶ	293
6.	<i>Dicolonus argentalus</i> Mats.	♀	しろいしあぶ	295
7.	<i>Pycnopogon Hatakeyamae</i> Mats.	♂	はたけやまひげぼそあぶ	296
8.	<i>Pycnopogon apicalis</i> Mats.	♂	つまぐろひげぼそあぶ	297
9.	<i>Pycnopogon nikkoensis</i> Mats.	♀	にっかうひげぼそあぶ	298
10.	<i>Clinopogon Sauteri</i> Bez.	♀	ほそあしながむしひき	300
11.	<i>Dioctria nakanoensis</i> Mats.	♀	なかのほそむしひき	300
12.	<i>Laphria karafutonis</i> Mats.	♀	からふごいしあぶ	302
13.	<i>Laphria hakiensis</i> Mats.	♀	はきいしあぶ	303
14.	<i>Laphria dispar</i> Coq.	♂	くろいしあぶ	304
15.	<i>Laphria formosana</i> Mats.	♀	たいわんいしあぶ	305
16.	<i>Laphria taipinensis</i> Mats.	♂	たいびんいしあぶ	306



第二十圖

第二十圖 (Pl. XX.)

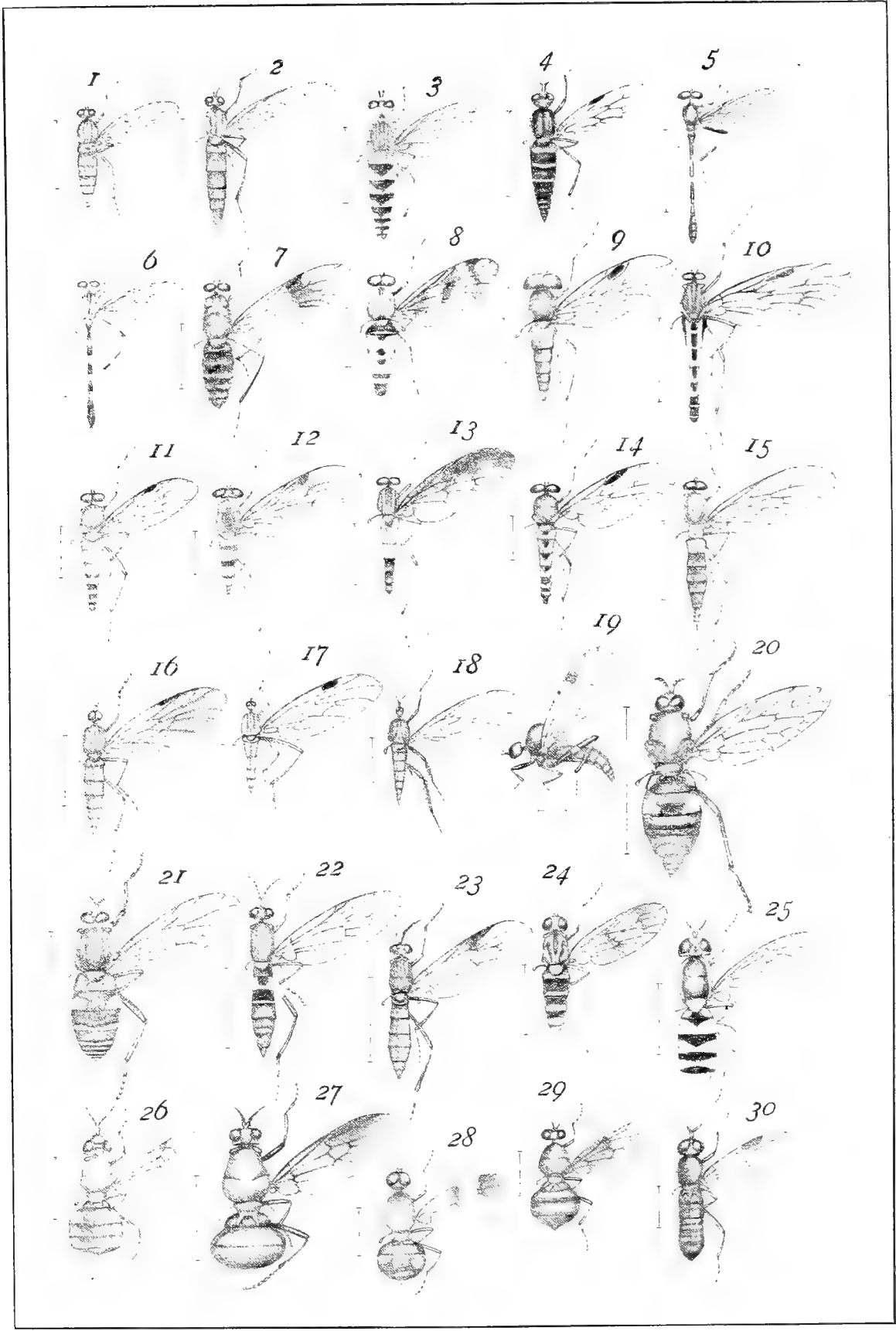
		PAGE.
1.	Laphria otanegawana Mats. ♀	をたねいしあぶ 307
2.	Laphria Komurae Mats. ♀	こむらいしあぶ 309
3.	Laphria flavidorsum Mats. ♀	せきいしあぶ 309
4.	Laphria Blumei Wulp. ♂	くろはねいしあぶ 310
5.	Laphria azurea Herm. ♂	るりいしあぶ 310
6.	Laphria ogasawarensis Mats. ♂	をがさはらいしあぶ 312
7.	Laphria yamatonis Mats. ♂	やまといしあぶ 313
8.	Laphria sapporensis Mats. ♂	さっぽろいしあぶ 315
9.	Laphria okinawana Mats. ♀	をきなはいしあぶ 315
10.	Laphria motodomariensis Mats. ♀	もとごまりいしあぶ 316
11.	Laphria nigrovittata Mats. ♀	くろすちいしあぶ 318
12.	Laphria Ishikii Mats. ♂	いつしきいしあぶ 319
13.	Laphria Ogumae Mats. ♀	をぐまいしあぶ 320
14.	Dasypogon purpuripenne Mats. ♂	むらさきあしながむしひき 321
15.	Dasypogon takasagense Mats. ♀	たかさごあしながむしひき 322
16.	Dasypogon sapporense Mats. ♀	さっぽろあしながむしひき 324
17.	Ommatins fluvidus Wied. ♀	あをめあぶ 325
18.	Promachus horishanus Mats. ♀	ほりしやおほむしひき 326
19.	Promachus formosanus Mats. ♂	たいわんしほやあぶ 327
20.	Asilus hopponis Mats. ♀	ほっぽむしひき 329
21.	Asilus fallaciosus Mats. ♀	やえやませまだらむしひき 330
22.	Asilus brevistylus Coq. ♀	ちやいろむしひき 331
23.	Asilus okinawensis Mats. ♀	をきなはしひき 332
24.	Stenommatius formosanus Mats. ♂	たいわんふさひげむしひき 333



第二十一圖

第二十一圖 (Pl. XXI.)

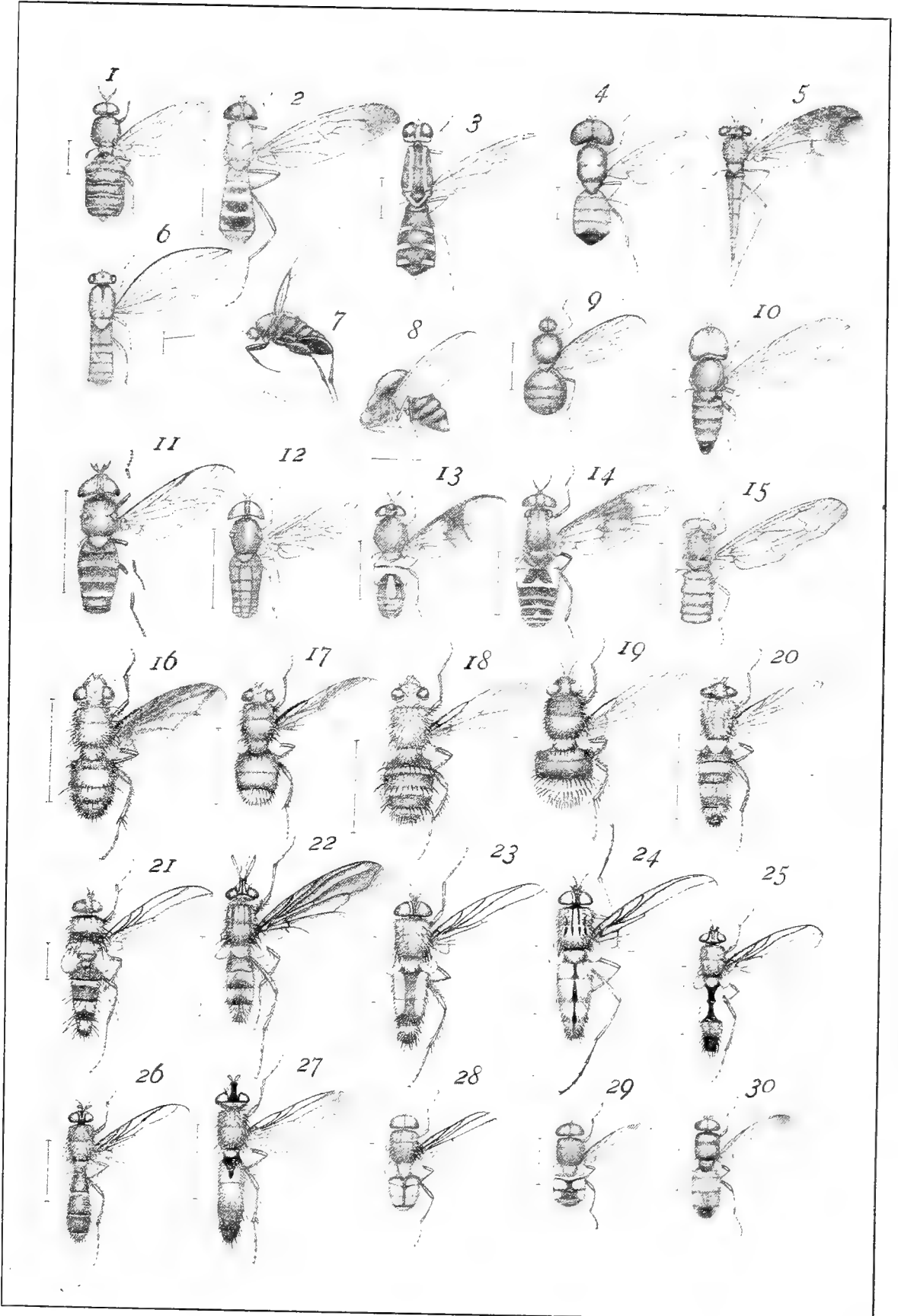
		PAGE.
1.	<i>Lasiopogon cinctus</i> F. ♀	ひめしろをびむしひき 335
2.	<i>Psilocephala sapporensis</i> Mats. ♀	さっぽろつるぎあぶ 336
3.	<i>Thereva maruyamana</i> Mats. ♀	まるやまつるぎあぶ 337
4.	<i>Thereva ishikariana</i> Mats. ♀	いしかりつるぎあぶ 339
5.	<i>Leptogaster basilaris</i> Coq. ♂	ほそむしひき 340
6.	<i>Leptogaster minomensis</i> Mats. ♂	みのもほそむしひき 341
7.	<i>Atherix satsumana</i> Mats. ♀	さつまもんしぎあぶ 342
8.	<i>Atherix ibis</i> F. ♂	はまだらしぎあぶ 344
9.	<i>Leptis basalis</i> Mats. ♂	ねうすしぎあぶ 345
10.	<i>Leptis japonica</i> Mats. ♂	やまとしぎあぶ 346
11.	<i>Leptis flavimedia</i> Coq. ♂	きいろしぎあぶ 347
12.	<i>Leptis sajodakeana</i> Mats. ♀	さんじょうだけしぎあぶ 348
13.	<i>Leptis costimaculata</i> Mats. ♂	まっぐろしぎあぶ 349
14.	<i>Leptis karafutonis</i> Mats. ♂	からふとしぎあぶ 350
15.	<i>Dialysis Arakawae</i> Mats. ♀	あらかはしぎあぶ 351
16.	<i>Empis flavobasalis</i> Mats. ♀	ねうすをどりばい 352
17.	<i>Rhamphomyia sapporensis</i> Mats. ♂	せぐろほそをどりばい 354
18.	<i>Empimorpha plumipes</i> Mats. ♀	あしぶとをどりばい 355
19.	<i>Hilarimorpha macullata</i> Mats. ♂	せだかまだらをどりばい 356
20.	<i>Conomyia grandis</i> Mats. ♀	ねぐろくさあぶ 357
21.	<i>Coenomyia grandis</i> Mats. ♂	同 雄 357
22.	<i>Xylomyia longicornis</i> Mats. ♀	ひげながきあぶ 359
23.	<i>Xylophagus maculatus</i> Mats. ♀	ほしきあぶ 360
24.	<i>Arthropeas sachalinensis</i> Mats. ♀	からふときあぶもどき 361
25.	<i>Odontomyia staurophora</i> Schin. ♀	こがたのみづあぶ 363
26.	<i>Odontomyia Hirayamae</i> Mats. ♀	ひらやまみづあぶ 364
27.	<i>Ephippium bilineatum</i> F.	はらびろみづあぶ 365
28.	<i>Acanthinoides albospilosus</i> Mats. ♀	びろうどみづあぶ 366
29.	<i>Acanthinoides basalis</i> Mats. ♂	ねぐろみづあぶ 368
30.	<i>Beris jezoensis</i> Mats. ♀	えぞるりみづあぶ 369



第二十二圖

第二十二圖 (Pl. XXII.)

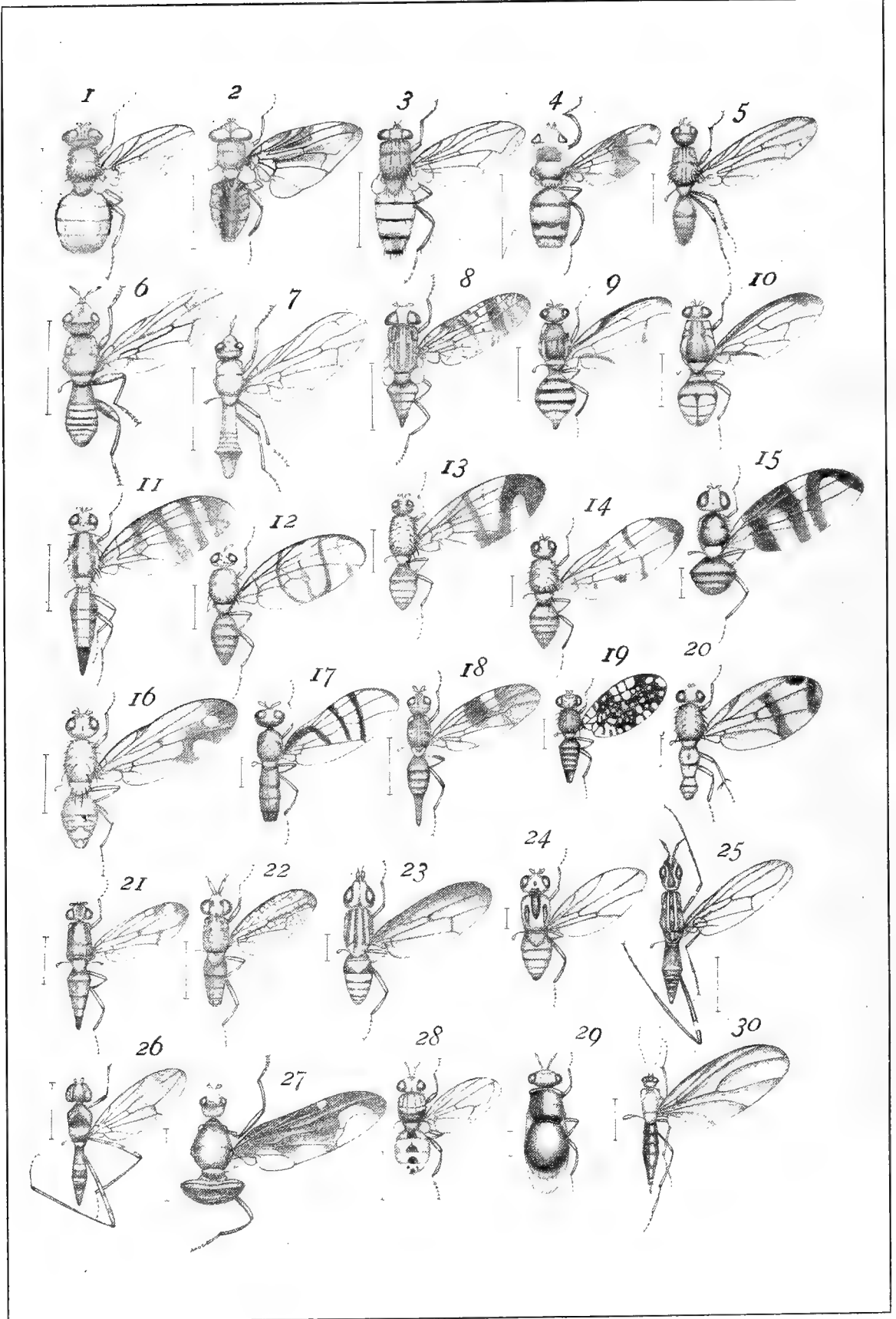
			PAGE.
1.	<i>Allognosta sapporensis</i> Mats.	♂	とげなしみづあぶ 370
2.	<i>Ptecticus aurifer</i> Wk.	♀	きいろこうかあぶ 371
3.	<i>Rhaphiocera hakiensis</i> Mats.	♀	はきながみづあぶ 372
4.	<i>Chrysochroma apicale</i> Mats.	♂	はらきんみづあぶ 373
5.	<i>Psilopus nebulosus</i> Mats.	♀	まだらきんあしながばい 374
6.	<i>Lonchoptera hakonensis</i> Mats.	♀	はこねやりばい 376
7.	<i>Conicera japonica</i> Mats.	♀	くろのみばい 377
8.	<i>Philopota globulifera</i> Mats.	♀	せだかこがしらあぶ 378
9.	<i>Oncodes Shibakawae</i> Mats.	♀	しばかほこがしらあぶ 379
10.	<i>Pipunculus kumamotoensis</i> Mats.	♀	くまもごあたまあぶ 380
11.	<i>Tabanus albotibialis</i> Mats.	♀	しろあしあぶ 381
12.	<i>Tabanus bivittatus</i> Mats.	♀	ふたすちあぶ 383
13.	<i>Chryspso dispar</i> F.	♀	たいわんめくらあぶ 384
14.	<i>Chrysops nigricornis</i> Mats.	♀	からふごめくらあぶ 385
15.	<i>Hirmoneura orientalis</i> Licht.	♂	あぶもごき 386
16.	<i>Biomyoides cyaneus</i> Mats.	♀	たいわんるりはりばい 387
17.	<i>Bombyliomyia apicalis</i> Mats.	♀	つまあかはりばい 388
18.	<i>Servilla Jakovlevii</i> Ports.	♀	こがねおほはりばい 390
19.	<i>Servilla Suzukii</i> Mats.	♀	すいきはりばい 390
20.	<i>Tachina nakanensis</i> Mats.	♀	なかのやざりばい 391
21.	<i>Leskia fasciata</i> Mats.	♀	しろをびやざりばい 393
22.	<i>Hemyda nigrata</i> Mats.	♀	くろひげながはりばい 394
23.	<i>Chaetona japonica</i> Mats.	♀	あしながはりばい 395
24.	<i>Dexia rustica</i> F.	♀	せすちあしながはりばい 396
25.	<i>Anisia towadensis</i> Mats.	♀	とほだながはりばい 397
26.	<i>Ocypeta pandulata</i> Mats.	♀	へうたんはりばい 398
27.	<i>Phania sapporensis</i> Mats.	♀	まがりはりばい 399
28.	<i>Musca corvina</i> F.	♂	くろいへばい 401
29.	<i>Stomorrhina obsoleta</i> Wied.	♂	つまぐろはなばい 401
30.	<i>Rhinia discolor</i> F.	♀	つまぐろほそはなばい 402



第二十三圖

第二十三圖 (Pl. XXIII.)

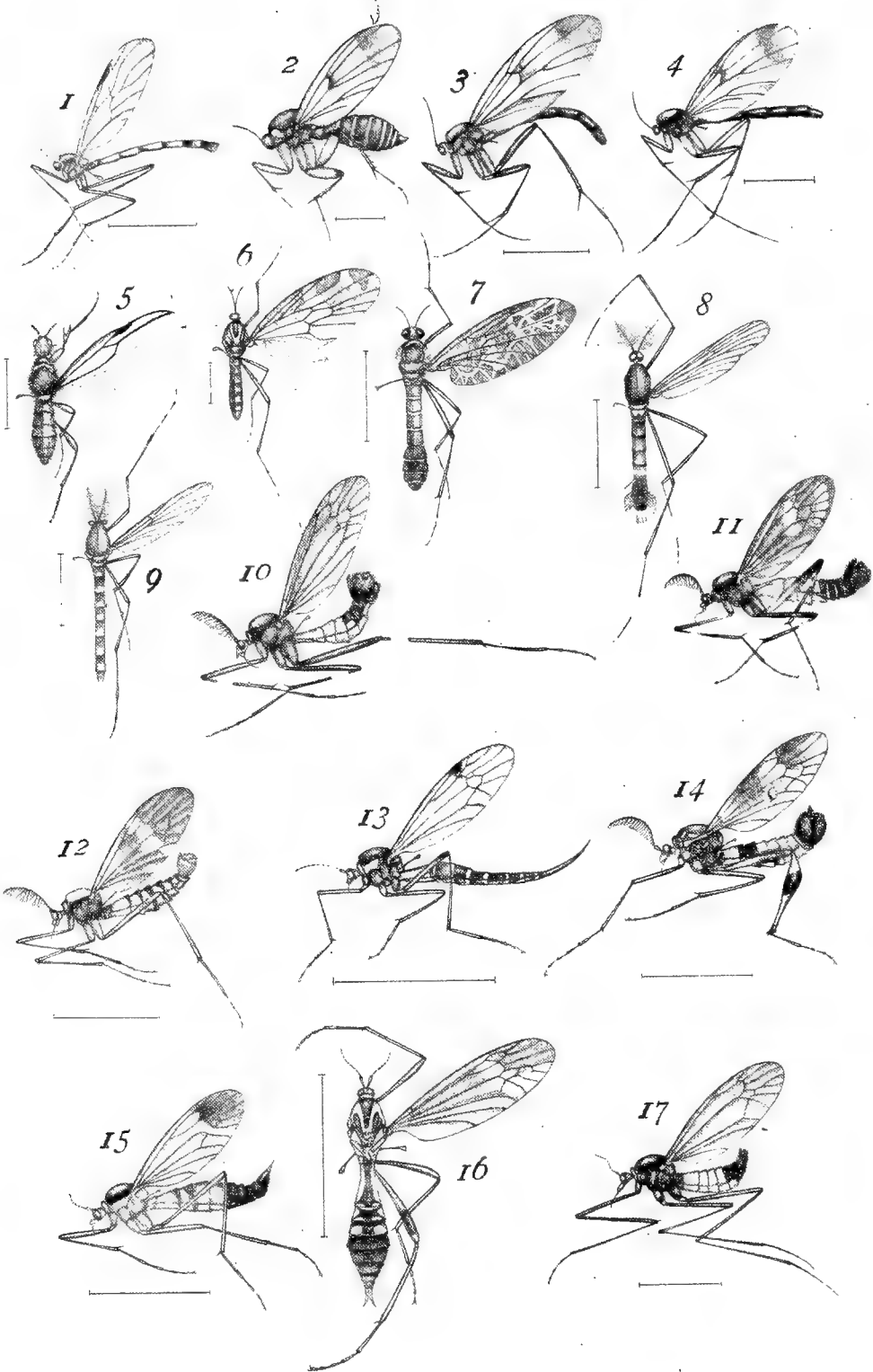
		PAGE.
1. Phasia jezoensis Mats. ♀	えぞはなばい	403
2. Alophora daimio Mats. ♂	だいめうはなばい	404
3. Pollenoides kuyania Mats. ♀	くやにやばい	405
4. Gastrophilus equi F. ♀	うまばい	406
5. Scatophaga mellipes Coq. ♀	きあしべっかうばい	407
6. Eupyrgota luteola Coq. ♀	おほはちもごきばい	409
7. Eupyrgota Omorii Mats. ♀	おほもりはちもごきばい	409
8. Platysoma tegulare Loew. ♀	おほまだらばい	411
9. Dacus trivittatus Wk. ♀	みすちみばい	411
10. Dacus yayeyamanus Mats. ♀	やえやまみばい	412
11. Trypeta mikado Mats. ♀	みかごはまだらばい	413
12. Trypeta scutellaris Mats. ♂	たてきはまだらばい	415
13. Trypeta S-nigrum Mats. ♂	えすはまだらばい	416
14. Trypeta artemisiae F. ♂	よもきはまだらばい	417
15. Trypeta misakiana Mats. ♂	みさきはまだらばい	418
16. Hexachaeta Isshikii Mats. ♂	いつしきはまだらばい	419
17. Spilographa nigricans Mats. ♂	くろはみすちばい	420
18. Rhagoletis sapporensis Mats. ♀	さっぽろはまだらばい	422
19. Tephritis Hirayamae Mats. ♂	ひらやまあみめはまだらばい	423
20. Sapromyza Hirayamae Mats. ♂	ひらやまあめばい	424
21. Lonchaea taipinensis Mats. ♀	たいびんまいばい	425
22. Tetanocera scutellata Mats. ♀	ひげながはまだらばい	426
23. Trigonometopus Ishidae Mats. ♀	いしだごがりばい	428
24. Chlorops hypostigma Meig. ♀	きあしみすちもぐりばい	429
25. Nerius femoratus Coq. ♀	もんきあしながやせばい	430
26. Calobata Suzukiana Mats. ♂	すゝきあしながやせばい	430
27. Macrortalis taiwanus Mats. ♂	たいわんおほるりばい	432
28. Gymnosoma kuramanum Mats. ♀	くらまほしばい	434
29. Celyphus koannanius Mats. ♀	かんしよろいばい	435
30. Sciara thoracica Mats. ♀	せあかきのこばい	436



第二十四圖

第二十四圖 (Pl. XXIV.)

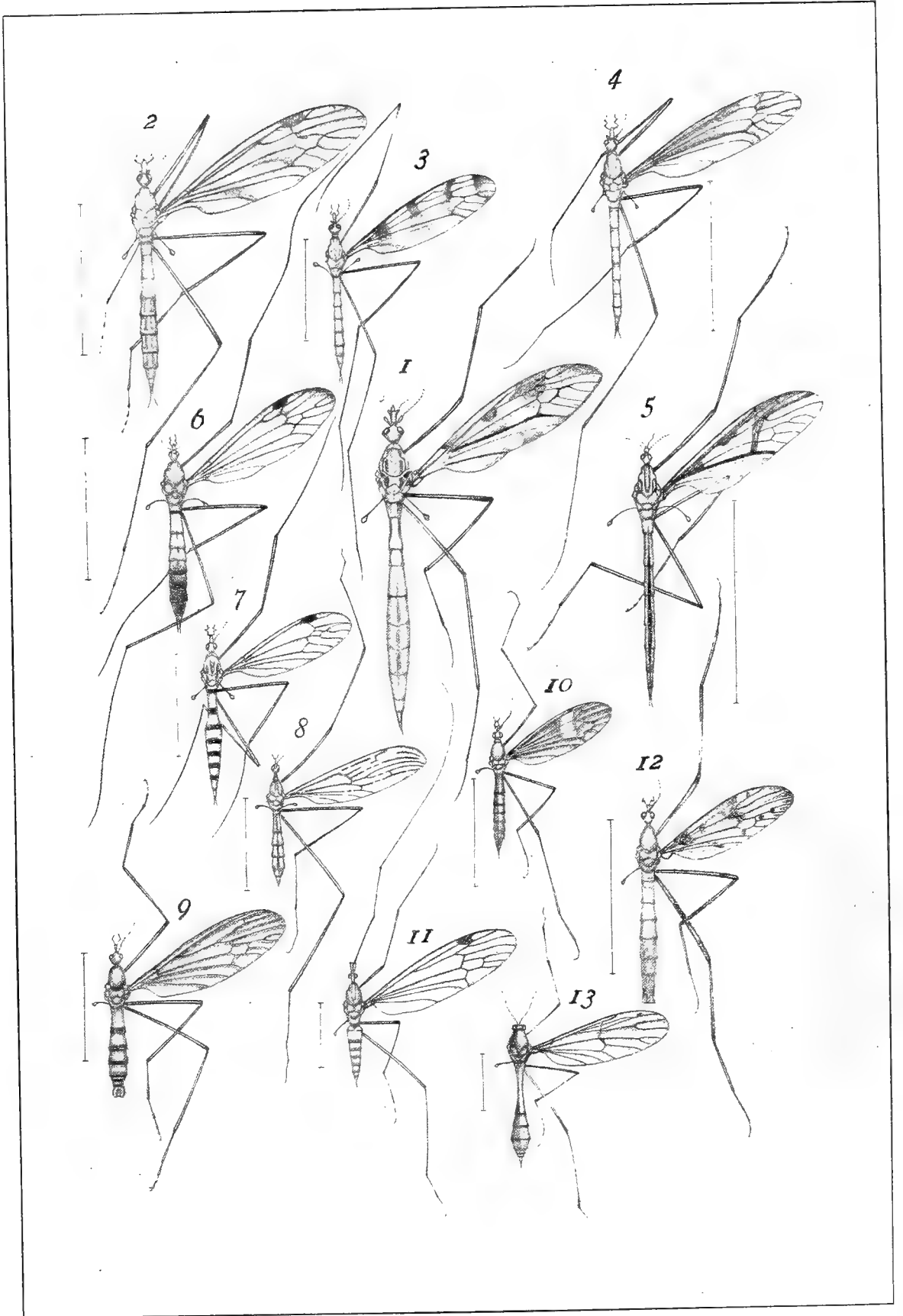
			PAGE.
1.	<i>Hesperodina moiwana</i> Mats.	♂	もいはこしほそきのこばい 437
2.	<i>Mycetophilus maculipes</i> Mats.	♀	あしまだらきのこばい 438
3.	<i>Mycomyia panorpiformis</i> Mats.	♂	つまぐろきのこばい 439
4.	<i>Boletina 4-maculata</i> Mats.	♂	よつもんこしほそきのこばい 440
5.	<i>Bibio pomonae</i> F.	♂	きあしけばい 441
6.	<i>Rhyphus Suzukii</i> Mats.	♀	すいきかばい 442
7.	<i>Leponeura infuscata</i> Mats.	♂	くろばあみめか 443
8.	<i>Megarhinia towadensis</i> Mats.	♂	とわだおほか 444
9.	<i>Chironomus Suzukii</i> Mats.	♂	すいきゆすりか 445
10.	<i>Pselliphora ctenophorina</i> Ried.	♂	きばらくしひげが んぼ 446
11.	<i>Pselliphora hoppo</i> Mats.	♂	ほっぽくしひげが んぼ 447
12.	<i>Dictenidia Horikawae</i> Mats.	♂	ほりかはくしひげが んぼ 449
13.	<i>Xiphusa jozana</i> Mats.	♀	ぢやうざんくしひげが んぼ 450
14.	<i>Ctenophora Nohirae</i> Mats.	♂	のひらくしひげが んぼ 451
15.	<i>Ctenophora Isshikii</i> Mats.	♂	いつしきくしひげが んぼ 453
16.	<i>Ctenophora biguttata</i> Mats.	♀	ふたほしくしひげが んぼ 454
17.	<i>Formotipula holoserica</i> Mats.	♂	びろどが んぼ 455



第二十五圖

第二十五圖 (Pl. XXV.)

		PAGE.
1. <i>Nippotipula nubifera</i> Coq.	♀ まだらが ゐんぼ	457
2. <i>Platytipula moiwana</i> Mats.	♀ もいはが ゐんぼ	458
3. <i>Tipula 4-fasciata</i> Mats.	♀ よすちが ゐんぼ	459
4. <i>Yamatotipula Nohirae</i> Mats.	♀ のひらが ゐんぼ	460
5. <i>Daimiotipula daimio</i> Mats.	♀ だいでうが ゐんぼ	462
6. <i>Togotipula pulverosa</i> Mats.	♀ こふきが ゐんぼ	464
7. <i>Pachyrhina Makiella</i> Mats.	♀ まききすちが ゐんぼ	465
8. <i>Libnotes undulata</i> Mats.	♀ なみがたが ゐんぼ	466
9. <i>Eriocera morosa</i> Ost.	♂ くらが ゐんぼもごき	467
10. <i>Eriocera alboguttata</i> Mats.	♀ しろほしが ゐんぼもごき	467
11. <i>Globericera moriokana</i> Mats.	♂ ひげながが ゐんぼもごき	469
12. <i>Gagamba Takei</i> Mats.	♂ たけいが ゐんぼもごき	471
13. <i>Ptychoptera scutellata</i> Mats.	♀ こしほぞが ゐんぼ	473



Promachus 326-8	Scatophaga 408	Tephritis 423-4
Pselliphora 447	Sciara 436	Thereva... .. 337-9
Psilocephala... .. 336-7	Servillia... .. 390-1	Tipula 459
Psilopus 374-5	Sphiximorpha 186-7	Togotipula 464
Ptecticus 371	Spilographa 420-1	Trigonometopus 428
Ptychoptera 473	Spilomyia 196-7, 229-30	Trypeta... .. 414-9
Pycnopogon 296-9	Stenocheilosia 240	V
R	Stenommatius 333-5	Vespiomyia 227-8
Rhagoletis 422	Stomorrhina... .. 401	Volucella 209, 236-8
Rhamphiocera 372-3	Syrphus... .. 258-9	X
Rhamphomyia 254-5	Syrtophus 285-8	Xanthogramma 217
Rhinia 402	T	Xiphusa... .. 450
Rhyphus 442	Tabanus... .. 381-4	Xylomyia 359-61
S	Tachina 391-2	Xylota 195, 246, 251
Sapromyza 424-5	Temnostoma... .. 199-200	Y
	Tetanocera 426-7	Yamatotipula 460

引 索 名 學

A		D		M	
Acanthinoidea	366-9	Dacus	411-3	Libnotes	466
Acrophila	205	Daimiotipula... ..	462	Liponeura	443
Allognosta	370-1	Dasygogon	321-4	Lonchaea	425-6
Alophora	404-5	Dexia	396	Lonchoptera... ..	376
Anastoechus	274-5	Dialysis... ..	351-2	M	
Anisia	397-8	Dicolonus	295	Macrortalis	432
Anthrax	279-83	Dictenidia	449	Mallota	200-4, 218
Argyromoeba	283-4	Didea	214-5	Megarrhina	444
Arthropeas	361-2	Dioctria... ..	300-1	Megaspis	190
Asilus	329-33	E		Melansotoma	193
Atherix	342-4	Empimorpha	355-6	Melithreptus... ..	260-1
B		Empis	353	Merapicoidus... ..	222-3
Baccha	208, 225-7	Ephippium	365	Merodon	256-7
Bacchiopsis	206-8	Eriocera... ..	467	Microdon	187, 254-6
Beris	369-70	Eristalis... ..	190-1, 234, 261-5	Microstylum... ..	288-91
Biblio	441	Eumerus... ..	194-5	Milesia	198, 230-2
Biomyioides... ..	387-8	Eupyrgota	409-10	Musca	401
Boletina... ..	440	F		Mycetophilus	438
Bombyliidae... ..	275	Formotipula... ..	455	Mycomyia	439
Bombyliomyia	388-9	Ferdinandia	224	Myelaphus	293-4
Bombylius	276-8	G		Myopa	271
Brachyopa	233-4	Gagamba	471	N	
C		Gastrophilus... ..	407	Nephomyia	219-20
Calobata	430-1	Globericera	469	Nerius	430
Celyphus	435	Gymnosoma... ..	434	Nipoptipula	457
Ceraturgus	292-3	H		O	
Ceria	185	Helophilus	245-7	Occeomyia	272-4
Chaetona	395-6	Hemyda... ..	394-5	Ocypeta... ..	398-9
Chamaesyrrhus	216	Hesperodina... ..	437	Odontomyia	363-4
Cheilosia	239, 243	Hexachaeta	419-20	Ommatius	325
Chironomus	445	Hilarimorpha	356-7	Oncodes... ..	379-80
Chlorops	429	Hirmoneura... ..	386	P	
Chrysochroma	373-4	Hyperalonia... ..	278	Pachyrhina	465
Chrysogaster	242	L		Paragopsis	249-50
Chrysops	384-5	Laphria... ..	302-320	Paragus... ..	192
Chrysotoxum	188-9, 252-3	Lasiopogon	335	Phania	399-40
Clinopogon	300	Leptis	344-51	Phasia	403
Coenomomyia	357-8	Leptogaster	340-2	Philopota	378-9
Coniocera	377-8	Leskia	393	Physocephala	270
Conops	265-269	Leucoma	212	Pipunculus	380-1
Criorhina	202-221	P		Platystoma	411
Ctenophora	451-4	Libnotes	466	Platytipula	458
		Liponeura	443	Pollenoidea	405-7
		Lonchaea	425-6		
		Lonchoptera... ..	376		

Moiwa-gagambo 458	Omonaga-hanaabu 222	Taiwan-ō-ruribai... .. 432
Moiwa-koshiboso-kinokobai. 417	Omori-hachimodoki-bai ... 409	Taiwan-ruri-haribai 387
Momoaka-naga-hanaabu ... 195	Otanegawa-ishiabu 307	Taiwan-shioyaabu 327
Monki-ashinaga-yasebai ... 430		Taiwan-yotsuboshi-naga-
Monki-momobuto-hanaabu... 205	R	hanaabu 251
Motodomari-ishiabu 316	Ruri-hanaabu 191	Takasago-ashinagamushi-
Motodomari-kurohanaabu ... 239	Ruriro-ō-mushihiki 288	hiki 322
Murasaki-ashinagamushihi-	Ruri-ishiabu... .. 311	Takasago-momobuto-hana-
ki 321	S	abu 203
Mutsuboshi-bekkohanaabu... 212	Sanjodake-shigiabu 348	Takei-gagambomodoki ... 471
Mutsuboshi - hachimodoki -	Sapporo-ashinagamushihiki.. 324	Takei-hamadarabai 415
hanaabu 228	Sapporo-hamadarabai 422	Terauchi-bekkohanaabu ... 237
N	Sapporo-ishiabu 315	Togenashi-mizuabu 370
Naga-hachimodoki-hanaabu. 186	Sapporo-tsurugiabu 336	Tora-tsuriabu 274
Nakaguro-hirataabu 215	Satsuma-mon-shigiabu ... 342	Towada-nagaharibai 397
Nakahoshi-mebai 271	Seaka-kinokobai 436	Towada-ōka 444
Nakano-hosomushihiki ... 300	Sedaka-kogashiraabu 378	Toyohara-hanaabu 234
Nakano-yadoribai 391	Sedaka-madara-odoribai ... 356	Tsumaaka-haribai 388
Namigata-gagambomodoki... 466	Seguro-hoso-odoribai 354	Tsumaguro-hanaabu 212
Neaki-nagahanaabu 198	Seki-ishiabu 309	Tsumaguro-hanabai 401
Neguro-kusaabu 357	Sesuji-ashinagaharibai... .. 396	Tsumaguro-higebosoabu ... 297
Neguro-mizuabu 368	S-hamadarabai 416	Tsumaguro-hosohanaabu ... 402
Neusu-nagahanaabu 248	Shibakawa-kogashiraabu ... 379	Tsumaguro-kinokobai... .. 439
Neusu-odoribai 353	Shibakawa-tsuriabu 276	Tsumaguro-koshiboso-
Neusu-shigiabu 344	Shiroashi-abu 381	hanaabu 206
Nikko-higebosoabu 298	Shiro-ishiabu 295	Tsumaguro-ō-mushibiki ... 289
Nikko-hirataniabu 233	Shirohoshi-gagambomodoki. 467	Tsumaki-momobuto-hanaabu 221
Nitobe-bekkohanaabu 210	Shiroobi-haribai 393	U
Nitobe-haneboso-tsuriabu ... 287	Shirosuji-bekkohanaabu ... 209	Umabai 407
Nitobe-nagahanaabu 199	Sukashi-bekkohanaabu ... 239	W
Nohira-gagambo 460	Suzuki-ashinaga-yasebai ... 430	Watanabe-tsuriabu 277
Nohira-kushihige-gagambo... 451	Suzuki-bekkohanaabu... .. 236	Y
O	Suzuki-ūtamonhanaabu ... 224	Yamashiro-kuro-tsuriabu ... 280
Ogasawara-hoshi-tsuriabu ... 283	Suzuki-haraboso-tsuriabu ... 286	Yamato-higenagahanaabu ... 253
Ogasawara-ishiabu 312	Suzuki-haribai 391	Yamato-ishiabu 313
Ogasawara-tsuriabu 281	Suzuki-himehirataabu... .. 360	Yamato-shigiabu 346
Oguma-ishiabu 320	Suzuki-kabai... .. 442	Yayeyama-mibai 412
Oguma-miore-mebai 273	Suzuki-nagahanaabu 229	Yayeyama-nagahanaabu ... 230
Ō-hachimodoki-bai 409	Suzuki-tsuriabu 275	Yayeyama-semadara-mushi-
Ō-higenaga-hanaabu 188	Suzuki-yusurika 445	hiki 330
Okinawa-hanaabu 261	T	Yezo-arisuabu 255
Okinawa-hirataabu 258	Taipin-ishiabu 306	Yezo-hanabai 403
Okinawa-ishiabu 315	Taipin-mabai 425	Yezo-haraboso-mebai 270
Okinawa-mushihiki 332	Taiwan-fusahige-mushihiki. 333	Yezo-kuro-tsuriabu 279
Okinawa-nagahanaabu ... 232	Taiwan-hanaabu 190	Yezo-ruri-mizuabu 369
Ō-koshiboso-hanaabu 206	Taiwan-hirataabu... .. 214	Yomogi-hamadarabai 417
Ō-madarabai... .. 411	Taiwan-ishiabu 305	Yosuji-gagambo 459
Ō-momobuto-hanaabu... .. 202	Taiwan-mekuraabu 384	Yotsumon-koshiboso-kinokobai 440
	Taiwan-ō-hanaabu 190	

和 名 索 引

<p style="text-align: center;">A</p> <p>Abu-modoki 386</p> <p>Akaashi-momobuto-hanaabu. 218</p> <p>Akakura-ashibuto-hanaabu... 246</p> <p>Aome-abu 325</p> <p>Arakawa-shigiabu 351</p> <p>Arisan-hanaabu 264</p> <p>Ashibuto-odoribai 355</p> <p>Ashinaga-haribai... .. 395</p> <p style="text-align: center;">B</p> <p>Birodo-mizuabu 366</p> <p>Birodo-kushihigegambo ... 455</p> <p style="text-align: center;">C</p> <p>Chairo-mushihiki 331</p> <p style="text-align: center;">D</p> <p>Daimio-gagambo 462</p> <p>Daimio-hanabai 404</p> <p style="text-align: center;">E</p> <p>Eguri-tsuyahirataabu ... 193</p> <p style="text-align: center;">F</p> <p>Futahoshi-higenagahanaabu 189</p> <p>Futahoshi-kushihigegam- bo 454</p> <p>Futaobi-arisuabu 254</p> <p>Futasuji-abu 383</p> <p style="text-align: center;">H</p> <p>Hachimodoki-hanaabu 185, 219</p> <p>Haijima-hanaabu... .. 249</p> <p>Haki-ishiabu 303</p> <p>Haki-nagamizuabu 372</p> <p>Hakone-yaribai 376</p> <p>Hamadara-shigiabu 344</p> <p>Hanazono-mebai 366</p> <p>Harabiro-mizuabu 365</p> <p>Haraguro-haribai 390</p> <p>Harakin-mizuabu 373</p> <p>Hatakeyama-higebosoabu ... 296</p> <p>Higenaga-gagambomodoki... 469</p> <p>Higenaga-ishiabu... .. 293</p> <p>Higenaga-kiabu 359</p> <p>Higenaga-togaribai 426</p> <p>Hime-shiroobi-mushihiki ... 335</p> <p>Hirayama-amebai 424</p>	<p>Hirayama-amime-madarabai 423</p> <p>Iirayama-mizuabu 364</p> <p>Hizaguro-kinokobai 438</p> <p>Hoppo-haraboso-tsuriaabu ... 285</p> <p>Hoppo-mushihiki 329</p> <p>Hoppo-kushihigegambo... 447</p> <p>Horikawa-kushihigegam- bo 449</p> <p>Horisha-ō-mushihiki 326</p> <p>Hoshi-ashibuto-hanaabu ... 245</p> <p>Hoshi-kiabu 360</p> <p>Hosoashi-naga-mushihiki ... 300</p> <p>Hosokubi-hirataabu 259</p> <p>Hoso-mushihiki 340</p> <p>Hoso-mutsumon-hirataabu... 259</p> <p>Hyotan-haribai 398</p> <p style="text-align: center;">I</p> <p>Ishida-togaribai 428</p> <p>Ishikari-tsurugiabu 339</p> <p>Isshiki-hamadarabai 419</p> <p>Isshiki-hoso-kurohanaabu ... 240</p> <p>Isshiki-ishiabu 319</p> <p>Isshiki-kushihigegambo... 453</p> <p style="text-align: center;">J</p> <p>Jozan-kushihigegambo ... 450</p> <p>Jozan-mamehirataabu... .. 192</p> <p>Jozan-mebai 268</p> <p>Jozan-nagahanaabu 196</p> <p style="text-align: center;">K</p> <p>Kanshi-yoroibai 435</p> <p>Karafuto-hanaabu 263</p> <p>Karafuto-higenagahanaabu... 252</p> <p>Karafuto-ishiabu 302</p> <p>Karafuto-kiabumodoki ... 361</p> <p>Karafuto-mekuraabu 385</p> <p>Karafuto-shigiabu 350</p> <p>Kawamura-higenagaabu ... 292</p> <p>Kawamura-momobutoabu ... 256</p> <p>Kiashi-bekkbobai 408</p> <p>Kiashi-kebai... .. 441</p> <p>Kiashi-kurohanabai 243</p> <p>Kiashi-kuro-mebai 265</p> <p>Kiashi-misuji-moguribai ... 429</p> <p>Kibara-kushihigegambo... 446</p>	<p>Kiberi-ashibuto-hanaabu ... 247</p> <p>Kiberi-hirataabu 217</p> <p>Kiuro-kokaabu 371</p> <p>Kiuro-shigiabu 347</p> <p>Kin-arisuabu 187</p> <p>Ko-birodo-tsuriaabu 278</p> <p>Kofuki-gagambo 464</p> <p>Kogatano-mizuabu 363</p> <p>Komura-ishiabu 309</p> <p>Koshiboso-gagambo 473</p> <p>Koshun-tsuriaabu 282</p> <p>Kumamoto-atamaabu 380</p> <p>Kurama-hoshi-bai 434</p> <p>Kuroba-amimeka... .. 443</p> <p>Kuro-bekkohanaabu 209</p> <p>Kuro-gagambomodoki ... 467</p> <p>Kuro-hamisujibai 420</p> <p>Kurohane-ishiabu 311</p> <p>Kurohige-naga-haribai ... 394</p> <p>Kuro-ishiabu 304</p> <p>Kuro-iyebai 401</p> <p>Kuro-mebai 267</p> <p>Kuro-nomibai 377</p> <p>Kurosuji-ishiabu 318</p> <p>Kuroiwa-koshiboso-hanaabu 225</p> <p>Kuyania-bai 405</p> <p style="text-align: center;">M</p> <p>Madara-gagambo 457</p> <p>Madara-kin-ashinagabai ... 374</p> <p>Mado-hirataabu 194</p> <p>Mado-kurohanaabu 242</p> <p>Magari-haribai 399</p> <p>Maki-kisujigagambo 465</p> <p>Maruyama-tsurugiabu ... 337</p> <p>Mayeguro-shigiabu 349</p> <p>Mayeguro-tsurugiabu 278</p> <p>Mayeki-koshiboso-hanaabu.. 226</p> <p>Mesuaka-ō-mushihiki 290</p> <p>Mikado-hamadarabai 414</p> <p>Mike-momobuto-hanaabu ... 200</p> <p>Minomo-hoso-mushihiki ... 341</p> <p>Miore-mebai... .. 272</p> <p>Misaki-hamadarabai 418</p> <p>Misuji-mibai... .. 411</p> <p>Miyake-hirataabu 216</p>
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