Studies on the flies occurring from the excrement of pasturing cattle and other herbivorous animals

2. Revisional notes on the genus *Gymnodia* R.-D. and the allied species, *Anaclysta flexa* (Wiedemann), from Japan (Diptera, Muscidae)*

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Abstract: Four species belonging to the genus *Gymnodia* R.-D. including two new species, namely *G. ezensis* n. sp., *G. tohokuensis* n. sp., *G. ascendens* (Stein), *G. nigrogrisea* Karl, and *Anaclysta flexa* (Wiedemann), are described and figured. *G. marguerita* Snyder and *G. expansa* Snyder which had been recorded from Ogasawara Islands (Bonin Isls.) were synonymized to *G. nigrogrisea* and *G. ascendens* respectively.

INTRODUCTION

Flies belonging to the genus *Gymnodia* R.-D. are rather common in tropical areas and many of them are found from Ethiopian region. According to Hennig (1959), 8 species were recorded from Palaearctic region. One of them *G. nigrogrisea* Karl was previously reported from Japan (Shinonaga, 1970). Biology of flies of this group is not known in detail, however, the larvae of some species are predacious and attack other coprophagous larvae in cow dung. The adults are usually found on cow or horse dung. In the present paper, the authors describe the adults of 4 *Gymnodia* species and *Anaclysta flexa* (Wiedemann) which were collected in pastures of Japan.

RELATIONSHIP AMONG GENUS *Gymnodia* R.-D., 1863 AND ALLIED GENERA

Genus *Gymnodia* R.-D. is characterized by

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having the following features: prosternum bare; r_{4+5} without setae; arista pubescent; lower squama tongue-shaped (*Phaonia*-type); m_{1+2} bending anteriorly near wing margin; 1st abdominal sternite with marginal setae.

This genus is closely related to the genera *Limnophora* R.-D., *Spilogona* S. et D. and *Anaclysta* B. et B., but it differs from *Limnophora* in wanting setae on r_{4+5} and prosternum, and in having marginal setae on 1st abdominal sternite (ventrobasal scale); from *Spilogona* in having pubescent arista and ventrobasal scale; from *Anaclysta* in having *Phaonia*-type lower squama.

Gymnodia ezensis Shinonaga et Kano, new species

Japanese name: Ezo-maguso-hanabae
(Figs. 1 and 2)

Male

Body length 4.3-5.3 mm.

Head: Spherical; eyes large with microscopic hairs; frons narrow, a little wider than front ocellus; frontal vitta black, disappearing on middle part; parafrontals and parafacials black with grayish pollen; antennae black, with grayish pollen; arista pubescent; vi-

brissae situated on vibrissal angles; genae narrow; frontal bristles 5 to 6; palpi black.

Thorax: Scutum with two broad longitudinal stripes which are not extended to scutellar suture; middle part of prescutellar area covered with brownish pollen; humerus and pleura with grayish pollen; *ac* 2-3 (indistinct) +1; *dc* 2-4+4; *ia* 1+4; *h* 3; *ph* 1; *prs* 1; *nt* 2; *pra* absent; *sa* 1; *pa* 2; *ap* 1; *la* 2; *ds* 1-2; *st* 1+2; propleuron and prosternum bare; meso- and metathoracic spiracles dark brown.

Wings: Hyaline; *r*₁ and *r*₄₊₅ bare; *m*₁₊₂ slightly bending anteriorly; *m-m* bending toward wing base; squamae light brown, tongue-shaped (*Phaonia*-type); marginal cilia whitish; halter yellowish white, basal part darker.

Legs: Black; fore femur with a row of *ad* and *pv*; fore tibia without *p*-seta; mid femur with a row of short *av* and *pv*, 3 *pl* on distal part; mid tibia with *pv* on distal 1/3; hind femur with a row of *ad* and *av*, several *pv* on basal half; hind tibia with 1 *ad* and 1-2 *av* on middle part.

Abdomen: Densely covered with grayish pollen except 2nd tergite; ground color of 3rd and 4th tergites yellowish orange; 2nd tergite black, posterior margin with grayish pollen; 3rd tergite with a pair of L-shaped large markings; 4th tergite with a pair of circular spots near posterior margin and small spots near anterior margin (rarely absent); 5th tergite without markings (Fig. 1); 1st sternite with numerous bristles; sternites brown.

Female

Body length 5.0-5.5 mm. Yellowish brown. Frons about 0.35 of head width; frontal vitta black with grayish pollen; frontal bristles 5-6, upper 2 bristles reclinate; stripes on scutum dark brown and narrower than those of the male; spots on dorsal surface of abdomen dark brown, paler than those of the male; 2nd to 5th tergites entirely covered with dense grayish pollen, without yellowish part as in the male (Fig. 2).

Holotype: ♂, Kikonai, Oshima-gun, Hokkaido, 21 August 1973, S. Shinonaga.

Paratypes: 3 ♂♂, 12 ♀♀, same data as holotype; 1 ♂, Yunokawa, Hakodate, Hokkaido, 24 July 1957, R. Kano; 1 ♀, Obihiro, Hokkaido, 7 Sept. 1963, R. Kano.

Remarks: The adults were found on horse dung in southern part of Hokkaido. It is supposed that the breeding media of this species is horse dung, but biology is unknown.

Gymnodia tohokuensis Shinonaga et Kano, new species

Japanese name: Tohoku-maguso-hanabae (Figs. 3 and 4)

Male

Body length 4.7-5.5 mm.

Head: Spherical; eyes large; frons narrow, narrowest part narrower than width of front ocellus; frontal vitta black and disappeared on middle; parafrontals and parafacials black with grayish pollen; face black with grayish pollen; antennae black, length of 3rd segment about 2X that of 2nd segment; vibrissae inserted on vibrissal angles; genae black with black hairs and grayish pollen; palpi black; arista black, pubescent.

Thorax: Scutum entirely black except apical part; the middle line of presutural area, out sides of intra-alar bristles and posterior 1/3 of postsutural area densely covered with grayish pollen; presutural *ac* indistinct, hindmost post *ac* developed; *dc* 2+4; *ia* 1+3-4; *h* 3; *ph* 1; *prs* 1; *nt* 2; *sa* 1; *pra* absent; *pa* 2; *ap* 1; *ls* 2; *ds* 2-3, irregular; *st* 1+2; prosternum and propleuron bare; mesothoracic spiracles brown or dark brown.

Wings: Hyaline; *r*₁ and *r*₄₊₅ bare; *m*₁₊₂ bending anteriorly near wing margin; *m-m* bending toward base; squamae tongue-shaped (*Phaonia*-type), light brown with golden cilia; halter yellowish brown, darkened basally.

Legs: Femora and tarsi black, tibiae dark brown; fore femur with a pair of *pd* and *pv*; fore tibia without *p*-seta; mid femur with a row of *ad* and *pv*, basal 4-5 of *pv* bristles long, 2 long *pd* on distal part; mid tibia with 1 *pv*; hind femur with *ad* and *av* row; hind tibia with 1 *ad* and *av* on middle.

Abdomen: Ground color of 2nd and 3rd tergites reddish brown, 4th and 5th black, 3rd to 5th with dense pollen; 3rd tergite with a pair of large markings as in Fig. 3;

4th with 2 pairs of markings, one circular and the other longitudinal; 5th with a pair of small circular spots (Fig. 3); 1st sternite black with hairs; 2nd and 3rd reddish brown; 4th and 5th black; genital tergites black.

Female

Body length 5.0–6.0 mm. Frons about 0.31 at narrowest part, 0.38 at widest part of head width; frontal vitta black with grayish pollen. Thorax densely covered with grayish pollen; scutum with 3 dark brown stripes, the median one from suture to middle of scutellum beyond scutellar suture and occupying between acrostichal bristles, the outer one broader than inner one and extending from anterior end of scutum to 4th (prescutellar) dorsocentral bristle. Abdomen with dense grayish pollen; anterior part of 2nd tergite dark brown; 3rd and 4th tergites with 2 pairs of markings, one circular and the other longitudinal; 5th with 2 pairs of longitudinal markings (Fig. 4).

Holotype: ♂, Kayanochaya, Aomori, 31 July 1961, R. Kano.

Paratypes: 1♀, same data as holotype; 1♂, 2♀, Mt. Hakkoda, Aomori, 30 July 1961, R. Kano.

Remarks: The adults were collected on horse dung together with many *Pyrellia cadaverina* L. It is supposed that the larvae will be found in horse dung, but biology is unknown. This large *Gymnodia*-species is closely related to the former new species, *G. ezensis*, in external characters, but it is easily distinguished from the latter characteristic markings on the abdominal tergites.

Gymnodia ascendens (Stein, 1915)

Japanese name: Minami-ko-hanabae
(Figs. 5 and 6)

Limnophora ascendens Stein, 1915, Suppl. ent., 4: 32.

Gymnodia expansa Snyder, 1965, Ins. Micronesia, 13(6): 280–281. Syn. nov.

Male

Body length 3.5–5.0 mm.

Head: Spherical; eyes large, facets situated on upper half of compound eyes larger than those on lower half; frons narrower than width of front ocellus; parafrontals

black, rarely middle part reddish; parafacials black, upper part metallic black without pollen, lower half with grayish pollen; face black with grayish pollen; antennae black, 2nd segment darker than 3rd and about half the length of 3rd; arista pubescent, black; palpi black.

Thorax: Scutum black and without dense pollen, but posterior margin with grayish pollen; presutural *ac* indistinct, only pre-scutellar one strong; *dc* 2+4; *ia* 1 (or 0)+3; *h* 2–3; *ph* 1; *prs* 1; *nt* 2; *sa* 1; *pra* absent; *pa* 2; *ap* 1; *ls* 2; *ds* 0; *st* 1+2; propleuron and prosternum bare; scutellum black without dense pollen; notopleuron with dense grayish pollen; mesothoracic spiracles dark brown.

Wings: Hyaline, slightly infuscated; *r*₁ and *r*₄₊₅ bare; *m*₁₊₂ bending anteriorly; *m*–*m* straight; squamae yellowish brown, marginal cilia yellowish; halter yellowish brown, basal part darker.

Legs: Black; fore femur with a row of *pd* and *pv*; fore tibia without *p*-seta; mid femur with 2 strong *pv* bristles on basal part, a row of *al* and *pl*; mid tibia with 1 *pv*; hind femur with a row of *ad*, 2 long *pv* on basal part; hind tibia with 1 *av* and 1 *ad* on middle part.

Abdomen: Second tergite black, posterior margin with grayish pollen; 3rd and 4th tergites with a pair of large, trapezoidal markings; ground color of 3rd and 4th tergites orange with dense grayish pollen; 5th tergite black, with a pair of longitudinal (I-shaped) markings and dense grayish pollen entirely (Fig. 5); 1st sternite with long hairs; genital tergite black.

Female

Body length 4.0–5.5 mm. Frons 0.30–0.37 of head width; frontal vitta black with grayish pollen; parafrontals and parafacials black with grayish pollen, upper part of parafacials without metallic part as in the male; scutum and scutellum paler and with much more pollen than that of the male; wings hyaline, not infuscated; ground color of 3rd and 4th tergites black, not orange as in the male; markings on 5th tergite paler than those of the male (Fig. 6).

Distribution: Sri Lanka, India, Burma, Indonesia (Lesser Sunda and Sumatra),

China, Hong Kong, Taiwan and Japan.

Specimens examined: 3 ♀♀, Yankee Town, Okumura, Chichi-jima, Bonin Is., 8-15 April 1958, F. M. Snyder; 1 ♀, Camp beech, Okumura, Chichi-jima, Bonin Is., 2-25 April 1958, F. M. Snyder; 7 ♂♂, 65 ♀♀, Ukenmura, Amami-oshima, Kagoshima, 12 Nov. 1971, S. Shinonaga; 1 ♂, Ushiku-road, Iriomote Is., Okinawa, 19 Nov. 1963, G. A. Samuelson; 1 ♂, 1 ♀, Ohara, Iriomote Is., Okinawa, 10 May 1963, K. Kaneko and S. Shinonaga; 1 ♂, Aogashima, Tokyo, 21-27 July 1967, H. Takahasi; 2 ♀♀, Tokuyama,

Ishigaki Is., Okinawa, 15 July 1962, R. Kano; 5 ♀♀, Tokuyama, Ishigaki Is., Okinawa, 18 June 1962, R. Kano; 1 ♀, Funaura, Iriomote Is., Okinawa, 7 May 1963, K. Kaneko and S. Shinonaga; 1 ♀, Hoshitate, Iriomote Is., Okinawa, 7 May 1963, K. Kaneko and S. Shinonaga; 1 ♀, Sumiyoshi, Iriomote Is., Okinawa, 7 May 1963, K. Kaneko and S. Shinonaga; 3 ♀♀, Nobaru, Iriomote Is., Okinawa, 11 May 1963, K. Kaneko and S. Shinonaga; 2 ♀♀, Ohara, Iriomote Is., 10 May 1963, K. Kaneko and S. Shinonaga; 2 ♀♀, Komi, Iriomote Is.,

Figs. 1-10. Dorsal view of abdomen. 1. *G. ezensis* n. sp. (♂); 2. *G. ezensis* n. sp. (♀); 3. *G. tohokuensis* n. sp. (♂); 4. *G. tohokuensis* n. sp. (♀); 5. *G. ascendens* (Stein) (♂); 6. *G. ascendens* (Stein) (♀); 7. *G. nigrogrisea* Karl (♂); 8. *G. nigrogrisea* Karl (♀); 9. *A. flexa* (Wied.) (♂); 10. *A. flexa* (Wied.) (♀).

Okinawa, 11 May 1963, K. Kaneko and S. Shinonaga; 3 ♀♀, Toyohara, Iriomote, Is., Okinawa, 12 May 1963, K. Kaneko and S. Shinonaga; 5 ♀♀, Shinmura, Amami-oshima, Kagoshima, 31 May 1965, S. Shinonaga; 1 ♀, Hidakatsu, Tsushima Is., Nagasaki, 19 June 1969, S. Shinonaga; 13 ♀♀, Seisui, Setouchi, Amami-oshima, Kagoshima, 5 July 1972, H. Suzuki; 4 ♀♀, Hatsuno, Setouchi, Amami-oshima, Kagoshima, 24 October 1971, H. Suzuki; 4 ♀♀, Yona, Okinawa, 24 October 1971, S. Shinonaga; 1 ♂, Kakeroma Is., Setouchi, 12 April 1972, H. Suzuki; 3 ♂♂,

4 ♀♀, Komagari, Chichi-jima, Ogasawara Isls., Tokyo, 19 May 1973, R. Kano; 19 ♀♀, same date and locality, S. Shinonaga; 3 ♂♂, 21 ♀♀, Kuwanoki-yama, Haha-jima, Ogasawara Isls., Tokyo, 20 May 1973, R. Kano; 5 ♂♂, 52 ♀♀, same date and locality, S. Shinonaga; 1 ♂, 9 ♀♀, Komagari, Chichi-jima, Ogasawara Isls., 25 May 1973, R. Kano; 10 ♀♀, same date and locality, S. Shinonaga; 1 ♂, Mt. Yatate, Tsushima Is., Nagasaki, 4 Oct. 1973, T. Watanabe.

***Gymnodia nigrogrisea* Karl, 1939**

Japanese name: Usuguro-ko-hanabae
(Figs. 7 and 8)

Gymnodia nigrogrisea Karl, 1939, Arb. morph. taxon. Ent., 6: 279.

Gymnodia nigrogrisea: Shinonaga, 1970, Mem. Nat. Sci. Mus., 3: 238.

Gymnodia interposita Emben, 1965, Fauna of India, Dipt. 7(1), Muscidae I, Govern. India: 628-630. Syn. nov.

Gymnodia marguerita Snyder, 1965. Ins. Micronesia, 13(6): 279-280. Syn. nov.

Male

Body length 3.8-4.0 mm.

Head: Eyes large, bare; facets on upper part of compound eyes slightly larger than those on lower part; frons narrow, about half width of front ocellus; parafrontals and parafacials black, silvery pollinose; antennae black, length of 3rd segment about 2X that of 2nd; arista pubescent; vibrissae situated on vibrissal angles; genae black, narrow; frontal bristles about 6; palpi black.

Thorax: Scutum black with grayish pollen; presutural and lateral parts grayish seen from behind; presutural *ac* indistinct except prescutellar one; *dc* 2+4; *ia* 1+3, *h* 3; *ph* 1; *prs* 1; *nt* 2; *pra* absent; *sa* 1; *pa* 2; *ap* 1; *ls* 2; *st* 1+1; propleuron and prosternum bare; mesothoracic spiracles dark brown.

Wings: Hyaline, slightly infuscated; *r*₁ and *r*₄₊₅ bare; *m*₁₊₂ slightly bending anteriorly; squamae brown, tongue-shaped (*Phaonia*-type), with brownish marginal cilia; halter yellowish white, darkened basally.

Legs: Black; fore femur with a row of *pd* and *pv*; fore tibia without *p*-seta; mid femur with 2 strong *pd* on basal half; mid tibia with 1 *pv*; hind femur with a row of *ad*, 1 or 2 long *pd*; hind tibia with 1 *ad* on middle, 3 or 4 *ad* on distal half.

Abdomen: Densely covered with grayish pollen and a pair of dark markings on 3rd and 4th tergites; 2nd tergite black without grayish pollen; 3rd tergite with a pair of large L-shaped markings; 4th tergite with a pair of circular spots (Fig. 7); each tergite with long marginal bristles; 1st sternite hairy; 2nd to 5th and genital tergites black.

Female

Body length 3.8-4.0 mm. Frons about 0.3-

0.4 of head width; frontal bristles 4-5; upper 2 bristles reclinate; scutum grayish, with 3 obscure brownish longitudinal stripes; abdomen whitish than that of the male, with brownish markings on 3rd and 4th tergites (Fig. 8); hind tibia without *av* seta.

Distribution: China (Manchuria) and Japan.

Specimens examined: 3 ♀♀, Yankee Town, Okumura, Chichi-jima, Bonin Is., 8-15 April 1958, F. M. Snyder; 1 ♀, Bull beach, Saka-iura, Chichi-jima, Bonin Is., 5-25 April 1958, F. M. Snyder; 2 ♂♂, 2 ♀♀, Hidakatsu, Tsushima Is., Nagasaki, 19 June 1969, S. Shinonaga; 62 ♂♂, 56 ♀♀, Chiba-shi, Chiba, 18 September 1972, S. Shinonaga; 1 ♂, 18 ♀♀, same locality, 25 September 1972, S. Shinonaga; 1 ♂, 4 ♀♀, Funaura, Iriomote Is., Okinawa, 27-31 October 1971, S. Shinonaga; 1 ♂, Uken-mura, Amami-oshima, Kagoshima, 12 Nov. 1971, S. Shinonaga; 2 ♂♂, Kaareyama, Ishigaki Is., Okinawa, 18 May 1964, Y. Miyatake; 3 ♀♀, Teansude, Setouchi, Amami-oshima, Kagoshima, 25 Oct. 1971, H. Suzuki; 3 ♂♂, 12 ♀♀, Hatsuno, Setouchi, Amami-oshima, 6 Dec. 1972, H. Suzuki; 2 ♂♂, 3 ♀♀, Komagari, Chichi-jima, Ogasawara Isls., 25 May 1973, R. Kano and 2 ♀♀, same data and locality, S. Shinonaga; 1 ♂, 1 ♀, same locality, 26 May 1973, R. Kano; 12 ♀♀, same locality, 19 May 1973, R. Kano and 3 ♀♀, S. Shinonaga; 1 ♂, Oki-ko, Haha-jima, Ogasawara Isls., 24 April 1971, Y. Kusui.

Remarks: The adults of this species are usually found on cow dung in which the larvae grow. The adults occur from early summer to late fall in central Honshu, Japan. The detailed bionomics however are unknown.

The authors obtained some materials of this species from Ogasawara Islands which seem to be identical with *G. marguerita* Snyder and compared them with *G. nigrogrisea* from Honshu and Okinawa. They could however not find any difference among these specimens.

According to Mr. Adrian C. Pont, British Museum (Nat. Hist.) *G. interposita* Emden is a synonym of *G. nigrogrisea*. He compared *nigrogrisea* from Okinawa with the Emden's type material and informed us that

the both are identical.

***Anaclysta flexa* (Wiedemann, 1830)**

Japanese name : Ki-iro-ko-hanabae
(Figs. 9 and 10)

Anthomyia flexa Wiedemann, Auss. zw. Ins., 2 : 434.

Male

Yellowish fly. Body length 4.5 mm.

Head : Frons about 0.06 of head width, slightly open about 2X of width of front ocellus; eyes bare; parafrontals and parafacials dark brown, narrow on middle part; frontal lunula yellow; antennae orange, length of 3rd segment about 2X that of 2nd; arista dark brown, reddish basally; face dark brown with pollen; genae dark brown with black hairs; vibrissae inserted at vibrissal angles; palpi orange.

Thorax : Scutum and scutellum black with dense grayish pollen entirely, without stripes; presutural *ac* indistinct, irregular rows present, 1 *post ac* distinct; *dc* 2+4; *ia* 0+4; *h* 3; *ph* 1; *prs* 1; *nt* 2; *sa* 1; *pra* absent; *pa* 2; *ap* 1; *ds* irregular; *ls* 2; *st* 1+2; propleuron and prosternum bare; pleura with dense grayish pollen; mesothoracic spiracles yellowish brown.

Wings : Hyaline; veins yellowish brown; *r*₁ and *r*₄₊₅ bare; *m*₁₊₂ bending anteriorly; *m-m* bending toward base; costal spines black; squamae yellowish brown, lower squamae *Musca*-type, inner margin closing to suprasquamal edge; halter yellow, orange basally.

Legs : Fore femur dark brown, mid and hind femora orange; tibiae reddish brown; tarsi dark brown; fore femur with a row of *pd* and *pv*; fore tibia without *p*-seta; mid femur with a row of *av*, and 2 *pd* on distal part; mid tibia with 1 *av* on distal 1/3, 1 *pv* on middle; hind femur with a row of *ad* and *av*; hind tibia with 1 *ad* and 2 *av* on middle part.

Abdomen : Entirely yellow, tergites with silvery pollen, 5th tergite darker than the others; 3rd and 4th tergites with a pair of dot-like spots; sternites yellow, 1st sternite with bristles.

Female

Body length 4.5-4.8 mm. Frons 0.30-0.41

of head width; frontal vitta dark brown, V-shaped, divided by triangular stripes which extending from ocellar triangle; the other characters similar to those of the male.

Distribution : India, Ethiopian region (Kenya and Sudan), and Japan.

Specimens examined : 1♂, 3♀♀, Inoda, Ishigaki Is., Okinawa, 6 September 1954, R. Kano; 1♀, Tokuyama, Inoda, Ishigaki Is., Okinawa, 2 May 1963, K. Kaneko and S. Shinonaga.

Remarks : According to Thomson (1947), the eggs are laid singly and the larvae hatch from eggs in second instar.

The holotypes and a part of paratypes described in this paper are deposited in the National Science Museum, Tokyo.

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摘 要

牛およびその他の草食獣糞より発生する
蠅類に関する研究

2. 日本産マグソハナバエ属 (genus
Gymnodia R.-D) および近縁種
キイロコハナバエ *Anaclysta*
flexa (Wiedemann)
について

日本産のマグソハナバエ属 (新称) については、篠
永 (1970) が対馬からウスグロコハナバエ *Gymnodia*

nigrogrisea Karl を記録しているほか Snyder (1965)
が小笠原諸島から *G. expansa* と *G. marguerita* の
2種を報告している。Hennig (1959) によれば、旧北区
からは8種の記録があり、そのほとんどはヨーロッパか
らアジアに広く分布している。又、中国大陸からは5種
の記録がある。本属のハエの成虫は、主に牛馬糞上でみ
られ、幼虫は牛馬糞より発生するが、捕食性であるとい
われている。しかし、詳細な観察記録は少ない。本論文
では、日本未記録の *G. ascendens* Stein と2新種を記
載した。又、Snyder の報告した *expansa* は *ascendens*
の *marguerita* は *nigrogrisea* の synonym であるこ
とがわかった。近縁の *Anaclysta* 属は、monotypic な
属で下部鱗弁の形態でマグソハナバエ属と区別される。

資 料

クロオオイエバエ *Muscina nigra*
Shinonaga, 1970 の種名改訂

篠 永 哲

(東京医科歯科大学医学部医動物学教室)

Muscina japonica nom. nov. instead of
M. nigra Shinonaga, 1970

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篠永 (1970) は対馬産ハエ類の報告の中で、*Muscina*
nigra なる新種を発表し、篠永・加納 (1970) の Fauna
Japonica にも記載した。ところが Walker (1849) が
Anthomyia nigra として発表したものが後に *Muscina*
属に移されたため *M. nigra* Shinonaga は *M. nigra*
(Walker) のhomonym となった。したがって筆者は
M. nigra Shinonaga に対し新たに *M. japonica* なる
名を与える。*M. nigra* (Walker) はHuckett (1934) に
よって *M. assimilis* (Fallén, 1823) のsynonym とされ
ており、Séguy (1937) および Hennig (1962) もこ

れを認めている。

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Summary

Muscina nigra Shinonaga, 1970 was revealed to
be a homonym of *Anthomyia nigra* Walker, 1849,
a synonym of *Muscina assimilis* (Fallén). The
author proposes a new specific name *Muscina japo-*
nica instead of *Muscina nigra* Shinonaga.