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Provisional List of Hemiptera (Heteroptera) in the Ryukyu Islands

By

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Introduction

There are quite a few reports concerning Hemiptera which originated in the Ryukyu Islands, but most of these reports not cover all the order. Although 56 to 87 species of Hemiptera are recorded in the reports published by Matsumura (1905), Yashiro (1927) and Sakaguchi (1927), only 34 to 59 species can be classified as Heteroptera. Moreover, some of the reports need the correction in respect to geographical distribution and scientific name of the species. Some other investigators reported a few new and unrecorded species, but the subject still calls for close and further study.

The aim of this report, therefore, is to try to clarify previous studies with dependence on the available records and specimens collected by members of the Division of Agriculture and Home Economics, University of the Ryukyus and certain ones in the Entomology collection, Faculty of Agriculture, Kyushu University.

With the correction of the scientific name, the remarks on distribution and the food habits of the species, 20 families, 113 genera, and 153 species are reported in this particular study. Twenty-nine genera and 32 species should be registered as new ones from the Ryukyu Islands.

This report should be referred to as a provisional list, because the author could not acquire some samples recorded in the previous studies and also did not have the opportunity to see some of original reports. Since a few species which are not recorded in the report are under study, a result of it will be reported later.

In publishing this report, greatful acknowledgment is given to Dr. Teiso Esaki, Professor of Kyushu University, for his constructive criticism of the manuscript. Special appreciation goes to Messrs. Shôiti Miyamoto and Terunobu Hidaka, as this report has been made possible only through their support and cooperations.

1. The Ryukyu Islands in the report include Okinawa, Miyako and Yaeyama Islands which were previously referred to as Okinawa Prefecture.

2. Food in the report are those existing in the Ryukyu Islands.

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Enumeration of Species

I. Family CYDNIDAE Billberg, 1820

Japanese name : Tsuchi-kamemushi-ka.

1 Genus **Macroscytus** Fieber, 1861

1861 *Macroscytus* Fieber, Eur. Hem., p. 83 et 362.

1) **Macroscytus subaeneus** (Dallas, 1851)

Jap. name: Tsuchi-kamemushi.

- 1851 *Aethus subaeneus* Dallas, List Hem., 1, p. 116, 11.
 1866 *Macroscytus javanus* Mayr, Verh. z.-b. Ges. Wien, p. 361.
 1867 *Aethus aequalis* Walker, Cat. Hem., 1, p. 159, 72.
 1868 *Aethus indicus* Voll, Faun. Ind. Neerl., 1, p. 17.
 1874 *Macroscytus japonensis* Scott, Ann. Mag. Nat. Hist., (4), 14, p. 295.
 1881 *Macroscytus javanus* Signoret, Cydn., p. 166, fig 137.
 1881 *Macroscytus japonensis* Signoret, Ann. M. S. N. Gen., 16, p. 646.
 1889 *Macroscytus subaeneus* Distant, Ann. Mag. Nat. Hist., (7), 4, p. 222.
 1893 *Cydnus subaeneus* Lethierry & Severin, Cat. Gen. Hem., 1, p. 68.
 1893 *Macroscytus javanus* Lethierry & Severin, Cat. Gen. Hem., 1, p. 71.
 1902 *Macroscytus subaeneus* Distant, Fauna Brit. India, Rhynchota, 1, p. 96, f. 48.
 1906 *Macroscytus subaeneus* Oshannin, Pal. Hem., 1, p. 13.
 1932 *Macroscytus japonensis* Esaki, Iconogr. Ins. Jap., p. 1557, f. 3074 (Japan).
 1947 *Macroscytus japonensis* Ishihara, Insect & Nature, 2 (4-5-6), p. 63.
 1952 *Macroscytus japonensis* Esaki, Iconogr. Ins. Jap., p. 185, f. 457.
 1953 *Macroscytus subaeneus* Kobayashi, Sci. Rep. Matsuyama Agr. Coll., (11), p. 73-76.
 1954 *Macroscytus subaeneus* Kobayashi, Shin Konchū, 7 (10), p. 24-24, f. 23.

Food : Unknown.

Specimens examined : Okinawa-jima : 2 Exs., 15. V. 1955 (T. Takara).

Local distr. : Okinawa-jima (hab. nov.).

Foreign distr. : Japan.

The mode of life of species in Japan was reported by H. Kobayashi (1954).

2. Genus **Microporus** Uhler, 1875

1875 *Microporus* Uhler, Geol. Geogr. Surv., p. 275

2) **Microporus nigritus** (Fabricius, 1794)

Jap. name: Maru-tsukikamemushi, Ko-kurojigame.

- 1794 *Cimex nigritus* Fabricius, Ent. Syst., 4, p. 123.
 1801 *Cydnus flavigornis* Wolff, Ic., p. 66.
 1803 *Cimex nigritus* Fabricius, Syst. Rhyncho., p. 184.
 1831 *Cydnus picipes* Hahn, Wanz., 1, p. 165.

- 1874 *Aethus nigropiceus* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 294.
 1882 *Cydnus nigritus* Signoret, Ann. Soc. Ent. France (6), 2, p. 147, t. 6. f. 85.
 1902 *Cydnus nigritus* Distant, Fauna Brit. India, Rhynchota, 1, p. 90.
 1927 *Cydnus nigrita* (Jap. name: Ko-kurogaida) Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1947 *Cydnus nigritus* Ishihara, Insect & Nature, 2 (4-5-6), p. 63.
 1952 *Microporus nigritus* Esaki, Iconogr. Ins. Jap., p. 185, f. 458 (Japan).

Food : Unknown.

Specimens examined : Okinawa-jima: 5 Exs., 20. X. 1955 (T. Takara). Ishigaki-jima: 5 Exs., 6. IX. 1955 (T. Takara).

Local distr. : Okinawa-jima, Ishigaki-jima (hab. nov.).

Foreign distr. : Japan, Korea, China, Cochinchina, Burma, etc.

It appears during April to October and comes to the light.

3. Genus **Geotomus** Mulsant & Rey, 1866

- 1866 *Geotomus* Mulsant & Rey, Pun. France, Pent., p. 34

3) **Geotomus pygmaeus** (Dallas, 1866)

Jap. name: Hime-tsukikamemushi.

- 1851 *Aethus pygmaeus* Dalles, List Hem., 1, p. 120.
 1862 *Cydnus rarociliatus* Ellenrieder, Nat. Tijdschr. Nederl. Ind., 24, p. 139.
 1867 *Aethus nanulus* & *jucundus* Walker, Cat. Het., 1, p. 162-163.
 1868 *Cydnus pallidicornis* Voll, Fauna Ind. Neerl., Pent., p. 17.
 1868 *Aethus omicron* Walker, Cat. Het., 3, p. 534.
 1877 *Geotomus substristis* & *jucundus* Buchm bite, Ann. Mag. Nat. Hist. (4), 20, p. 110-111.
 1833 *Geotomus pygmaeus* Signoret, Ann. Soc. Ent. France, (6), 3, p. 51, t. 3, f. 160.
 1902 *Geotomus pygmaeus* Distant, Fauna Brit. India, Rhynchota, 1, p. 98, f. 49.
 1947 *Geotomus pygmaeus* Ishihara, Insect & Nature, 2 (4-5-6), p. 63.
 1952 *Geotomus pygmaeus* Esaki, Iconogr. Ins., p. 186, f. 459.

Food : Unknown.

Specimens examined : Okinawa-jima: 8 Exs., 20. X. 1955 (T. Takara).

Local distr. : Okinawa-jima (hab. nov.).

Foreign distr. : Japan, China, Malayan Archipelago, etc.

4. Genus **Sehirus** Amyot & Serville, 1843.

- 1843 *Sehirus* Amyot & Serville, List Hem., p. 96.

4) **Sehirus niveimarginatus** (Scott, 1874)

Jap. name: Shiroheri-tsukikamemushi, Shiroheri-gaida.

- 1874 *Canthophorus niveimarginatus* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 26.
 1913 *Sehirus niveimarginatus* (Jap. name: Shiroheri-gaida) Matsumura, Thous. Ins. Japan, Addit., 1, p. 117 (Okinawa).
 1915 *Sehirus niveimarginatus* Mitsuhashi, Ins. World, 19 (219), p. 481 (Okinawa).
 1930 *Sehirus niveimarginatus* (Jap. name: Ko-shiroherigame) Matsumura, Illust. Thous. Ins. Japan, 1, p. 110 (Okinawa).

- 1931 *Sehirus niveimarginatus* Matsumura, 6000 Illust. Inst. Japan-Empire, p. 1189 (Okinawa).
 1932 *Sehirus niveimarginatus* (Jap. name: Shiroheri-jigame) Matsumura, Illust. Common Ins. Japan, 4, p. 77 (Okinawa).
 1932 *Sehirus niveimarginatus* (Jap. name: Shiroheri-tsukikamemushi) Esaki, Iconogr. Ins. Jap., p. 1558, f. 3076 (Japan).
 1947 *Sehirus niveimarginatus* Ishihara, Insect & Nature, 2 (4-5-6), p. 63
 1952 *Sehirus niveimarginatus* Esaki, Iconogr. Ins. Jap., p. 187, f. 462 (Japan).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: Japan, China.

II. Family PLATASPIDAE Dallas, 1851

Jap. name: Maru-kamemushi-ka.

5. Genus *Coptosoma* Laporte, 1832

1832 *Coptosoma* Laporte, Ess. Hem., p. 73.

5) *Coptosoma cribrarium* (Fabricius, 1798)

Jap. name: Taiwan-marukamemushi.

- 1798 *Cimex cribrarium* Fabricius, Ent. Syst. Suppl., p. 531.
 1803 *Tetyra cribrarium* Fabricius, Syst. Rhyng., p. 143.
 1835 *Thyreocoris cribrarium* Burmeister, Handb., 2 (1), p. 384.
 1843 *Coptosoma cribrarium* Amyot & Serville, Hem., p. 66, t. 2, f. 4.
 1863 *Coptosoma atomarium* Völl, Ind. Neerl., p. 50.
 1867 *Coptosoma xanthochlora* Walker, Cat. Het., 1, p. 87.
 1876 *Coptosoma cribrarium* Athins, J. A. S. B., 56, p. 31.
 1902 *Coptosoma cribrarium* Distant, Fauna Brit. India, Rhynchota, 1, p. 22, f. 11
 1932 *Coptosoma cribrarium* Esaki, Iconogr. Ins. Jap., p. 1560, f. 3079 (Formosa).
 1955 Taiwan-marukamemushi (Jap. name) Shiraki, Shin konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Papilionaceae—*Sesbania aculeata* Poir (Jap. name: Tsuno-kusanemu).

Specimens examined: Okinawa-jima: 2 Exs., 17. VIII. 1955 (T. Takara). Iriomote-jima: 3 Exs., 16., VII. 1934 (T. Esaki). (Specimens in Kyushu Univ.).

Local distr.: Okinawa-jima, Iriomote-jima (hab. nov.).

Foreign distr.: Formosa, S. China, Philippines, Burma, India, Oriental Tropics.

6) *Coptosoma sphaerula* (Germar, 1839)

Jap. name: Miyako-kiberi-marukamemushi.

- 1839 *Thyreocoris sphaerula* Germar, Zeitschr., 1, p. 25.
 1896 *Coptosoma syhaerula* var. *illuminatum* Montandon, Ann. Soc. Ent. Belg., 11, p. 450.
 1902 *Coptosoma sphaerula* Distant, Fauna Brit. India, Rhynchota, 1, p. 26.

- 1940 *Coptosoma sphaerula* Yashiro, Agr. and Hort., 15 (12), p. 2430 (Miyako-jima).
Food: Papilionaceae—*Crotalaria juncea* Linné, *Glycine Max* Merrill et *Aesbania aegyptiaca* Pers. (Yashiro, 1940).
No specimens examined.
Local distr.: Miyako-jima (Yashiro, 1940).
Foreign distr.: S. China, Java, India etc.

7) ***Coptosoma siamicum* Walker, 1867**

Jap. name:

- 1867 *Coptosoma siamica* Walker, Cat. Het., 1, p. 89.
 1867 *Coptosoma concinnula*, *bellula* & *inclusa* Walker, Cat. Het., p. 94–95.
 1889 *Coptosoma minima* Athins, J. A. S. B., 57, p. 342.
 1893 *Coptosoma saundersii* Lethierry & Severin, Cat. Gen. Hem., t. 1, p. 9.
 1893 *Coptosoma sphaerula* (part.) Lethierry & Severin, Cat. Gen. Hem., t. 1, p. 9.
 1899 *Coptosoma sphaerula* Distant, Ann. Mag. Nat. Hist., 4, p. 215.
 1901 *Coptosoma minima* Kulg, Arch. F. Naturg., p. 224.
 1901 *Coptosoma pygmaeus* Kulg, Arch. F. Naturg., p. 221.
 1901 *Coptosoma siamicum* Distant, Ann. Mag. Nat. Hist., 8, p. 240.
 1902 *Coptosoma siamicum* Distant Fauna Brit. India. Rhynchota, 1, p. 30.
 1913 *Coptosoma formosanum* Shiraki, Extra-Rep. Agr. Exper. Stat. Formosa, (8), p. 219 et 221.

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 5. VIII. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.)

Foreign distr.: Formosa, Malayan Archipelago, Burma, India and N. Australia.

This is the rare species.

6. Genus ***Brachyplatys* Boisduval, 1835**

1835 *Brachyplatys* Boisduval, Voy. Astr. Ent., 2, p. 627.

8) ***Brachyplatys subaeneus* (Westwood, 1837)**

Jap. name: Tsuya-marukamemushi.

- 1837 *Plataspis subaeneus* Westwood, Hope Cat. Hem., 1, p. 17.
 1839 *Thyreocoris septus* Germar, Zeitschr., 1, p. 32.
 1851 *Brachyplatys subaenens* Dallas, List Hem., 1, p. 70.
 1867 *Brachyplatys bistriga*, *cambodica*, *cognata*, *adjuncta* & *contigua* Walker, Cat. Het., 1, p. 100–103.
 1902 *Brachyplatys subaeneus* Distant, Fauna Brit. India, Rhynchota, 1, p. 11.
 1913 *Brachyplatys cognata* Matsumura, Thous. Ins. Japan, Addit., 1, p. 102.
 1932 *Brachyplatys subaeneus* Matsumura, Illust. Common Ins. Japan, 4, p. 77 (Okinawa).
 1932 *Brachyplatys subaeneus* Esaki, Iconogr. Ins. Jap., p. 1561, f. 3081 (Formosa).
 1932 *Brachyplatys subaeneus* Asahina, Mushi, 5 (2), p. 106 (Okinawa-jima).
 1940 *Brachyplatys subaeneus* Ishihara, Ent. World, 8 (76), p. 370 (N. Daito-jima).

1941 *Brachyplatys subaeneus* Masaki, Collect. & Breed., 3 (4), p. 109 (Senkaku Is.).

Food : Unknown.

Specimens examined : Ishigaki-jima : 6 Exs., VIII. 1956 (T. Takara). Hateruma-jima : 5 Exs., 20. VIII. 1956 (S. Higashihirachi).

Local distr. : Okinawa-jima, N. Daitô-jima, Ishigaki-jima (hab. nov.), Hateruma-jima (hab. nov.), Senkaku Is.

Foreign distr. : Formosa, China, Philippines, Malay, Andaman, Ceylon, India, Oriental Tropics and Africa.

9) **Brachyplatys vahlii** (Fabricius, 1787)

Jap. name:

1787 *Cimex vahlii* Fabricius, Mant., 2, 283.

1801 *Cimex vahlii* Coquillett, Ill., 2, p. 79, t. 18, f. 14.

1833 *Tetyra vahlii* Fabricius, Syst. Rhyng., p. 142, 69.

1839 *Thyreocoris vahlii* var. Germar, Zeitschr., 1. p. 33. 23.

1843 *Plataspis vahlii* Amyot & Serville, Hem., p. 64. 2.

1867 *Brachyplatys ontinua* & *frontalis* Walker, Cat. Het., 1, p. 104, 106.

1876 *Brachyplatys vahlii* Stål, Enum. Hem., 5, p. 7.

1915 *Brachyplatys vahlii* Mitsuhashi, Ins. World, 19 (219), p. 848 (Okinawa).

Food : Unknown.

No specimens examined.

Local distr. : Okinawa (=? Okinawa-jima).

Foreign distr. : Philippines, Malay, Burma, India, etc.

III. Family PENTATOMIDAE Leach, 1815

Jap. name: Kamemushi-ka.

7. Genus **Cantao** Amyot & Serville, 1843

1843 *Cantao* Amyot & Serville, Hem., p. 29.

10) **Cantao ocellatus** (Thunberg, 1784)

Jap. name: Akagi-kamemushi.

(Pl. I, fig. 1)

1784 *Cimex ocellatus* Thunberg, Nov. Ins. Spec., 3, p. 60, f. 72.

1835 *Callidea dispar* Burmeister, Handb., (2), 1, p. 394, 5.

1839 *Calliphara dispar* Germar, Zeitschr., 1, p. 123, 1.

1842 *Callidea ocellatus* Westwood, in Don. Ins. China, p. 47, pl. 20, f. 1.

1843 *Cantao dispar* Amyot & Serville, Hem., p. 29, 1.

1851 *Cantao ocellatus* Dallas, List Hem., 1, p. 17, 1.

1902 *Cantao ocellatus* Distant, Fauna Brit. India, Rhynchota, 1, p. 43, f. 18.

1905 *Cantao ocellatus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 21 (Okinawa-jima).

1913 *Cantao ocellatus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 104 (Okinawa).

1915 *Canthao* (sic) *ocellata* Mitsuhashi, Ins. World, 19 (219), p. 483 (Okinawa).

1920 *Cantao ocellatus* Matsumura, Dai-nihon Gaichu-zensho,, p. 411 (Okinawa).

- 1927 *Cantao (sic) ocellatus* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1927 *Contos (sic) ocellatus* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1930 *Cantao ocellatus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 101 (Okinawa).
 1931 *Cantao ocellatus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1178 (Okinawa).
 1932 *Cantao ocellatus* Matsumura, Conspec. Jap. Injur. Ins., p. 349 (Okinawa).
 1932 *Cantao ocellatus* Esaki, Iconogr. Ins. Jap., p. 1562, f. 3083 (Ryukyu).
 1932 *Cantao ocellatus* Matsumura, Illust. Common Ins. Japan, 4, p. 78 (Okinawa.)
 1933 *Cantao ocellatus* Kato, Colour Illust. Ins. Japan, 5 pl. 2, f. 4-5 (Ryukyu)
 1933 *Cantao ocellatus* Hirayama, Illust. Thous. Ins. Nat. Colour, pl. 91, f. 5 (Ryukyu).
 1954 *Akagi-kamemushi* Shiraki, Shin konchū, 7 (6), p. 34 (Ishigaki-jima).
 1954 *Cantao ocellatus* Shiraki, Cat. Injur. Ryukyu Is., p. 15 (Okinawa Is., Ishigaki Is., Iriomote Is.).

Food: Euphorbiaceae—*Bischofia javanica* Blume (Akagi).

Specimens examined: Okinawa-jima: 10 Exs., 26. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima, Irimoto-jima.

Foreign distr.: Japan (Amami-ōshima), Formosa, China, Philippines, Malay, Sumatra, Java, India.

We can find the emerged insect almost year round, but especially we can find many of them in June to September, and in this species there are many varieties according to their colours and spots.

8. Genus *Brachyaulax* Stål, 1870

1870 *Brachyaulax* Stål, Öfv. Vet. Ak. Forh., p. 616

11) *Brachyaulax miyakonus* Matsumura, 1905

Jap. name: Miyako-kinkamemushi.

(Pl. II, fig. 10)

- 1905 *Brachyaulax miyakonus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 22 et 23, pl. 1. f. 9 (Miyako-jima)
 1913 *Lampocoris miyakoensis* Matsumura, Thous. Ins. Japan, Addit., 1 p. 106 (Miyako-jima, Ishigaki-jima).
 1915 *Brachyaulax miyakonus* Mitsuhashi, Ins. World, 19 (219), p. 483 (Miyako-jima)
 1915 *Lampocoris miyakoensis* Mitsuhashi, Ins. World, 19 (219), p. 482 (Miyako-jima, Ishigaki-jima).
 1927 *Lampocoris miyakoensis* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1927 *Brachyaulax miyakonus* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1927 *Lampocoris miyakoensis* Sakaguchi, List Ins. Okinawa Is., p. 27.
 1930 *Lampocoris miyakoensis* Matsumura, Illust. Thous. Ins. Japan, 1, p. 102 (Miyako-jima, Ishigaki-jima).
 1931 *Brachyaulax miyakonus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1178, f. 16 (Miyoko-jima).
 1931 *Lampocoris myakoensis* (sic) Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1184, f. (Okinawa).
 1932 *Philia miyakoensis* Esaki, Iconogr. Ins. Jap., p. 1563, f. 3086 (Miyako-jima).
 1933 *Philia miyakoensis* Kato, Colour Illust. Ins. Japan, 5, pl. 1, f. 6 (Miyako-jima).
 1954 Miyako-kinkamemushi Shiraki, Shin Konchū, 7 (4), p. 46 (Iriomote-jima)
 1954 Miyako-kinkamemushi Shiraki, Shin Konchū, 7 (6), p. 34 et 36 (Ishigaki-jima, Miyako-jima).

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 15. VI. 1955 (T. Takara). Ishigaki-jima: 2 Exs., 28. VIII. 1956 (T. Takara). Iriomote-jima: 2 Exs. 10. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov. ?), Miyako-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr.: Unknown.

9. Genus *Eucorysses* Amyot & Serville, 1843

1843 *Eucorysses* Amyot & Serville, Hist. Hem., p. 31.

12) *Eucorysses grandis* (Thunberg, 1783)

Jap. name: Ô-kinkamemushi.

- 1783 *Cimex grandis* Thunberg, Nov. Ins. Spec., 2, p. 31, pl. 2, f. 46.
- 1839 *Calliphara grandis* Germar, Zeitschr., 1, p. 128.
- 1843 var. *Eucorysses pallens* Amyot & Serville, Hem., p. 31, 1, pl. 1, f. 4.
- 1851 *Callidea grandis* Dallas, List Hem., 1, p. 23.
- 1860 *Eucorysses superbus* Uhler, Proc. Ac. N. S. Phil., p. 221.
- 1863 *Callidea baro* Voll, Fauna Ind. Neerl., 1, p. 17, 3.
- 1866 *Eucorysses grandis* Stål, Beal. Ent. Zeit., 10, p. 154.
- 1902 *Chrysocoris grandis* Distant, Fauna Brit. India, Rhynchota, 1, p. 54.
- 1920 *Chrysocoris grandis* Matsumura, Dai-nihon Gaichu-zensho, p. 412 (Okinawa).
- 1930 *Chrysocoris grandis* Matsumura, Illust. Thous. Ins. Japan, 1, p. 82 (Okinawa).
- 1932 *Chrysocoris grandis* Matsumura, Illust. Common Ins. Japan, 4 p. 76 (Okinawa).
- 1932 *Chrysocoris grandis* Matsumura, Conspec. Jap. Injur. Ins., p. 350 (Okinawa).
- 1932 *Eucorysses grandis* Esaki, Iconogr. Ins. Jap., p. 1564, f. 3087 (Japan, Formosa).
- 1952 *Eucorysses grandis* Esaki, Iconogr. Ins. Jap., p. 189, f. 468.
- 1954 *Eucorysses grandis* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 15 (Okinawa Is., Ishigaki Is., Iriomote Is.).

Food: Rubiaceae—*Gardenia jasminoides* var. *grandiflora* Nakai (Kuchinashi), *Gardenia japonica* Thunb. (Ko-kuchinashi).

Specimens examined: Okinawa-jima: 2 Exs., 28. VII. 1954 (K. Shinzato) et 12. VI. 1956 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr.: Japan, Formosa, China, Thai, Burma, Java, Assam, India, etc.

The mode of life of this species in Japan was reported by T. Ishihara (1941).

10. Genus *Calliphara* Germar, 1839

1839 *Calliphara* Germar, Zeitschr., 1, p. 122.

13) *Calliphara nobilis* (Linné, 1768)

Jap. name: Nanahoshi-kinkamemushi.

(Pl. I, fig. 2)

- 1763 *Cimex nobilis* Linné, Cent. Ins., p. 17.

- 1798 *Cimex pustulatus* Panzer, in Voet. Col., 4, p. 111, pl. 47, f. 11.
 1830 *Scutellera buquetis* Guercio, Voy. Coq., Ins., p. 159 et 162.
 1839 *Callidea nobilis* Germar, Zeit. Ent., 1, p. 117.
 1851 *Callidea nobilis* Dallas, List Hem., 1, p. 32, 26.
 1873 *Calliphara nobilis* Stål, En. Hem., 3, p. 17.
 1902 *Calliphara nobilis* Distant, Fauna Brit. India, Rhynchota, 1, p. 58, f. 23.
 1905 *Calliphara (Chrysophara) excellens* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 22 (Okinawa and Daito-jima).
 1913 *Chrysophara excellens* Matsumura, Thous. Ins. Japan, Addit., 1, p. 111 (Okinawa).
 1915 *Calliphara (Chrysophara) excellens* Mitsuhashi, Ins. World, 19 (219), p. 483 (Okinawa).
 1927 *Chrysophara excellens* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1927 *Chrysophara excellens* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1930 *Chrysophara excellens* Matsumura, Illust. Thous. Ins. Japan, 1, p. 105 (Okinawa).
 1931 *Calliphara excellens* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1178 (Okinawa).
 1932 *Calliphara excellens* Matsumura, Illust. Common Ins. Japan, 4, p. 75 (Okinawa).
 1932 *Calliphara nobilis* Esaki, Iconogr. Ins. Jap., p. 1564, f. 3088 (Ryukyu).
 1932 *Calliphara nobilis* Asahina, Mushi, 5 (2), p. 106 (Okinawa-jima).
 1933 *Calliphara nobilis* Kato, Colour Illust. Ins. Japan, 5, pl. 1, f. 7 (Ryukyu).
 1937 *Calliphara nobilis* Hirayama, Sequel Illust. Thous. Nat. Colour, pl. 81, f. 4 (Ryukyu).
 1939 *Calliphara nobilis* Yashiro, Trans. Biogeogr. Soc. Japan, 3 (2), p. 129 (N. Daito-jima).
 1940 *Calliphara (Chrysophara) nobilis* Ishihara, Ent. World, 8 (76), p. 370 (N. Daito-jima).
 1954 Nanahoshi-kinkamemushi Shiraki, Shin Konchû, 7 (4), p. 46 (Iriomote-jima).
 1954 *Calliphara nobilis* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 15 (Ishigaki-jima).
 1954 Nanahoshi-kinkamemushi Shiraki, Shin Konchû, 7 (6), p. 36 (Miyako-jima).
 1955 Nanahoshi-kinkamemushi Shiraki' Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food : Aceraceae—*Acer oblongum* Wall. (Kusunoha-kaede).

Euphorbiaceae—*Macaranga tanarius* (L.) (O-bagi).

Specimens examined : Okinawa-jima : 10 Exs., 25. X. 1955 (S. Higashihirachi et T. Takara). Miyako-jima : 10 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima : 10 Exs., 10. IX. 1956 (T. Takara). Iriomote-jima : 5 Exs., 10. IX. 1955 (T. Takara).

Local distr. : Okinawa-jima, Daito-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr. : Formosa, China, Philippines, Burma, Malay, Borneo, Celebes, Java, India, etc.

11. Genus *Graphosoma* Laporte, 1832

1832 *Graphosoma* Laporte, Essai, p. 70.

14) *Graphosoma rubrolineatum* (Westwood, 1873)

Jap. name: Akasuji-kamemushi.

- 1873 *Scutellera rubrolineatum* Westwood, Hope Cat., 1 p. 12.
 1920 *Graphosoma rubrolineatum* Matsumura, Manual Jap. Injur. Ins., p. 406 (Okinawa).
 1927 *Graphosoma rubrolineatum* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1932 *Graphosoma rubrolineatum* Matsumura, Conspec. Jap. Injur. Ins., p. 344 (Okinawa).

- 1832 *Graphosoma rubrolineatum* Esaki, Iconogr. Ins. Jap., p. 1566, f. 3092 (Ryukyu).
 1933 *Graphosoma rubrolineatum* Hirayama, Illust. Thous. Ins. Nat. Colour. pl. 91, f. 8 (Ryukyu).
 1933 *Graphosoma rubrolineatum* Kato, Colour Illust. Ins. Japan, 5, pl. 4, f. 1-2 (Ryukyu).
 1939 *Graphosoma rubrolineatum* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 118 (Ryukyu).
 1941 *Graphosoma rubrolineatum* Masaki, Collect. and Breed., 3 (4), p. 109 (Senkaku Is.).
 1952 *Graphosoma rubrolineatum* Esaki, Iconogr. Ins. Jap., p. 189, f. 470 (Ryukyu).
 1954 *Graphosoma rubrolineatum* Takara, Sci. Bull. Agr. Univ. Ryukyu, (1), p. 71 (Senkaku. Is.).
 1954 *Graphosoma rubrolineatum* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 15 (Okinawa Is., Ishigaki Is., Iriomote Is.).
 1955 *Graphosoma rubrolineatum* Esaki, Illust. Pocket Book Ins. Colour, 2, p. 162 (Ryukyu).

Food : Umbelliferae—*Peucedanum japonicum* Thunb. (Botan-bôfû), *Foeniculum vulgare* Gaertn. (Uikyô), *Daucus carota* var. *sativa* DC. (Ninjin).

Specimens examined : Okinawa-jima: 2 Exs., 27. VII. 1954 (K. Shinzato). Miyako-jima: 3 Exs., 29. VIII. 1957 (T. Takara). Ishigaki-jima: 3 Exs., 1. IX. 1956 (T. Takara). Iriomote-jima: 2 Exs., 10. IX. 1955 (T. Takara).

Local distr. : Okinawa-jima, Kume-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima, Senkaku Is.

Foreign distr. : Japan, Korea, China and Siberia.

12 Genus **Scotinophara** Stål, 1867

1867 *Scotinophara* Stål, Öfv. Vet. Ak. Forh., p. 502.

15) **Scotinophara lurida** (Burmeister, 1834)

Jap. name: Kuro-kamemushi, Ine-kuro-kamemushi.

(Pl. II, fig. 11)

- 1834 *Tetyra lurida* Burmeister, Nov. Act. Acad. Leop., 16, Suppl. p. 288.
 1902 *Podops lurida* Distant, Fauna Brit. India, Rhynchota, 1, p. 74.
 1904 *Scotinophara lurida* Matsumura, Thous. Ins. Japan, 1, p. 188.
 1920 *Podops (Scotinophara) lurida* Matsumura, Manual Jap. Injur. Ins., p. 408 (Okinawa).
 1927 *Scotinophora* (sic) *lurida* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1927 *Podops lurida* Sakaguchi, List Ins. Okinawa Is., p. 28.
 1932 *Podops (Scotinophora) lurida* Matsumura, Conspec. Jap. Injur. Ins., p. 346 (Okinawa).
 1932 *Scotinophara lurida* Esaki, Iconogr. Ins. Jap., p. 1567, f. 3094 (Ryukyu).
 1933 *Scotinophara lurida* Hirayama, Illust. Thous. Ins. Nat. Colour, pl. 91, f. 14 (Ryukyu).
 1934 *Scotinophara lurida* Okajima, Bull. Kagoshima Imp. Coll. Agr. For. Ded. Twenty-fifth Ann., 1, p. 569 (Okinawa).
 1936 *Scotinophara lurida* Masaki, Kontyû, 10 (5), p. 299 (Ryukyu).

- 1939 *Scotinophora lurida* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 117 (Ryukyu).
 1940 *Scotinophora* (sic) *lurida* Yashiro, Agr. and Horti., 15 (12), p. 2428 (Okinawa).
 1952 *Scotinophara lurida* Esaki, Iconogr. Ins. Jap., p. 190, f. 472 (Ryukyu).
 1954 *Scotinophara lurida* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 17 (Okinawa Is., Miyako Is., Ishigaki Is., Iriomote Is.).
 1955 *Scotinophara lurida* Esaki, Illust. Pocket Book Ins. Colour, 2, p. 162 (Ryukyu).

Food: Gramineae—*Oryza sativa* L. (Ine) et *Saccharum officinarum* L. (Satô-kibi).

Specimens examined: Okinawa-jima: 10 Exs., 1. VII. 1956 (T. Takara). Ishigaki-jima: 3 Exs., 5. IX. 1957 (T. Takara). Iriomote-jima: 2 Exs., 10. IX. 1955 (T. Takara). Yonaguni-jima: 2 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: Okinawa-jima, Iheya-jima, Tokashiki-jima, Kume-jima Miyako-jima, Ishigaki-jima, Iriomote-jima, Yonaguni-jima.

Foreign distr.: Japan, Korea, China, Formosa, India, etc.

It appears during April to October. Important injurious insect of the rice plant in the Ryukyus we can find especially many of this species at the area of steep mountain valleys.

13. Genus *Erthesina* Spinola, 1837

1837 *Erthesina* Spinola, Essai, p. 291.

16) *Erthesina fullo* (Thunberg, 1783)

Jap. name: Kimadara-kamemushi.

- 1783 *Cimex fullo* Thunberg, Nov. Ins. Spec., 2, p. 42, pl. 2, f. 57.
 1794 *Cimex mucoreus* Fabricius, Ent. Syst., 4, p. 117.
 1837 *Erthesina mucoreus* Spinola, Ess., p. 291.
 1851 *Erthesina fullo* Dallas, List Hem., 1, p. 183.
 1867 *Palpada japonica* Walker, Cat. Het., 1, p. 228.
 1902 *Erthesina fullo* Distant, Fauna Brit. India, Rhynchota, 1, p. 117, f. 62.
 1913 *Erthesina fullo* Matsumura, Thous, Ins. Japan, Addit., 1, p. 118 (Okinawa).
 1915 *Erthesina fullo* Mitsuhashi, Ins. World, 19 (219), p. 481 (Okinawa).
 1927 *Erthesina fullo* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1932 *Erthesina fullo* Esaki, Iconogr. Ins. Jap., p. 1569, f. 3097 (Formosa).
 1939 *Erthesina fullo* Takano & Yanagiwara, Manual Formosan Ins. Injur. Sugarcane, p. 136 (Okinawa).
 1952 *Erthesina fullo* Esaki, Iconogr. Ins. Jap., p. 191, f. 475 (Japan).
 1954 *Erthesina fullo* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 16 (Okinawa Is., Ishigaki Is.).

Food: Papilionaceae—*Acacia confusa* Merr. (Sôshiju) (Yashiro, 1927).

No specimens examined.

Local distr.: Okinawa-jima, Ishigaki-jima.

Foreign distr.: Japan (Nagasaki Pref.), Formosa, China, Philippines, Malay, Ceylon, Assam, India, Oriental tropics.

14. Genus **Neodius** Stål, 18671867 *Neodius* Stål, Öfv. Vet.-Ak. Forh., p. 505.17) **Neodius depressus** (Ellenrieder, 1862)

Jap. name: Tobihiro-kamemushi.

(Pl. II, fig. 12)

1862 *Eurydema depressa* Ellenrieder, Nat. Tijdschr. Ned. Ind., 24, p. 152, Pl. 4, f. 21.1900 *Neodius depressus* Breddin, Stett. Ent. Zeit., 61, p. 291.*Food*: Unknown.*Specimens examined*: Okinawa-jima: 2 Exs., 30. V. 1955 (S. Higashihirachi) et 6. VII. 1956 (T. Takara).*Local distr.*: Okinawa-jima (hab. nov.).*Foreign distr.*: Formosa, Borneo, Sumatra, etc.15 Genus **Lagynotomus** Breddin, 19061906 *Lagynotomus* Breddin, Wien. E. Z., 25, p. 245.18) **Lagynotomus elongatus** (Dallas, 1851)

Jap. name: Ine-kamemushi.

(Pl. II, fig. 13)

1851 *Pentatoma elongata* Dallas, List Hem., 1, p. 246.1867 *Niphe elongata* Stål, Öfv. Vet. Ak. For., p. 516.1899 *Aenaria assimulans* Sasaki, Manual Jap. Crop Ins., p. 126.1902 *Aenaria elongata* Distant, Fauna Brit. India, Rhynchota, 1, p. 141, f. 82.1905 *Aenaria lewisi* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 22 (Okinawa).1913 *Aenaria lewisi* Matsumura, Thous. Ins. Japan, Addit., 1, p. 118 (Okinawa).1915 *Aenaria lewisi* Mitsuhashi, Ins. World, 19 (220), p. 528 (Okinawa).1920 *Aenaria scotti* Matsumura, Manual Jap. Injnr. Ins., p. 405 (Okinawa).1927 *Aenaria lewisi* (= *Aenaria scotti*) Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).1927 *Aenaria lewisi* Sakaguchi, List Ins. Okinawa Is., p. 26.1929 *Lagynotomus assimulans* Esaki, Kontyū, 3 (2), p. 75.1930 *Aenaria assimulans* Matsumura, Illust. Thous. Ins. Japan, 1, p. 111 (Okinawa).1932 *Lagynotomus assimulans* Esaki, Iconogr. Ins. Jap., p. 1570, f. 3100 (Ryukyu).1932 *Lagynotomus assimulans* Asahina, Mushi, 5 (2), p. 106 (Okinawa-jima).1932 *Aenaria scotti* Matsumuro, Conspec. Jap. Injur. Ins., p. 344 (Okinawa).1933 *Lagynotomus assimulans* Kato, Colour Illust. Ins. Japan, 5, pl. 4, f. 5 (Ryukyu).1934 *Lagynotomus assimulans* Okajima, Bull. Kagoshima Imp. Coll. Agr. For. Ded. Twenty-fifth Ann., 1, p. 570 (Okinawa).1939 *Lagynotomus assimulans* Takano & Yanagiwara, Manual Formosan Ins. Injus. Sugar., p. 138 (Okinawa).1940 *Lagynotomus assimulans* Yashiro, Agr. and Horti., 15 (12), p. 2428 (Okinawa).1952 *Lagynotomus assimulans* Esaki, Iconogr. Ins. Jap., p. 192, f. 478 (Ryukyu).1954 *Lagynotomus assimulans* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 16 (Okinawa Is., Ishigaki Is., Iriomote Is.).1955 *Lagynotomus elongatus* Esaki, Illust. Pocket Book Ins. Colour, 2, p. 163 (Ryukyu).*Food*: Gramineae—*Oryza sativa* L. et *Saccharum officinarum* L.*Specimens examined*: Okinawa-jima: 10 Exs., 25. V. 1956 (T. Takara). Ishigaki-jima: 2 Exs., 5. IX. 1957 (T. Takara).

Local distr. : Okinawa-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr. : Japan, Formosa, China.

Important injurious of the rice plant in the Ryukyus. It comes out in a limited place.

16. Genus **Eysarcoris** Hahn, 1834

1834 *Eysarcoris* Hahn, Wanz., Ins., 2, p. 66.

19) **Eysarcoris ventralis** (Westwood, 1837)

Jap. name: Shirahoshi-kamemushi.

- 1837 *Pentatoma ventralis* Westwood, Hope Cat. Hem., 1, p. 36.
 1851 *Eysarcoris distacta* Dallas, List Hem., 1, p. 226.
 1888 *Stallia distacta* Athins, J. A. S. B., 57, p. 40.
 1902 *Eusarcoris ventralis* Distant, Fauna Brit. India, Rhynchota, 1, p. 167.
 1905 *Eusarcoris ventralis* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 22
 (Okinawa).
 1915 *Eusarcoris ventralis* Esaki, Ins. World, 19 (209), p. 15 (Ryukyu).
 1915 *Eusarcoris ventralis* Mitsuhashi, Ins. World, 19 (220), p. 527 (Okinawa).
 1932 *Eusarcoris ventralis* Esaki, Iconogr. Ins. Jap., p. 1572, f. 3104 (Ryukyu).
 1933 *Eusarcoris ventralis* Kato, Colour Illust. Ins. Japan, 5, pl. 5, f. 1 (Ryukyu).
 1934 *Eusarcoris ventralis* Okajima, Bull. Kagoshima Imp. Coll. Agr. For. Ded.
 Twenty-fifth Ann., 1, p. 571 (Okinawa).
 1939 *Eusarcoris ventralis* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color.,
 p. 116 (Ryukyu).
 1939 *Eusarcoris ventralis* Yashiro, Trans. Biogeogr. Soc. Japan, 3 (2), p. 129 (S.
 Daitô-jima).
 1939 *Eusarcoris ventralis* Takano & Yanagiwara, Manual Formosan Ins. Injur.
 Sugarcane, p. 138 (Okinawa).
 1947 *Eusarcoris ventralis* Ishihara, Insect & Nature, 2 (4-5-6), p. 65.
 1952 *Eusarcoris ventralis* Esaki, Iconogr. Ins. Jap., p. 193, f. 481 (Ryukyu).
 1954 *Eusarcoris ventralis* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 16 (Okinawa Is.,
 Ishigaki Is., Iriomote Is.).
 1954 Shirahoshi-kamemushi Shiraki, Shin Konchû, 7 (6), p. 36 (Miyako-jima).
 1955 Shirahoshi-kamemushi Shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food : Gramineae.

Specimens examined : Okinawa-jima : 2 Exs., 10. VII. 1957
 (T. Takara). Ishigaki-jima : 3 Exs., 5 IX. 1957 (T. Takara).

Local distr. : Okinawa-jima, Miyoko-jima, Ishigaki-jima, Iriomote-jima, S. Daitô-jima.

Foreign distr. : Japan, Formosa, China, Philippines, Sumatra,
 Java, India, etc.

20) **Eysarcoris guttiger** (Thunberg, 1783)

Jap. name: Maru-shirahoshi-kamemushi.

- 1783 *Cimex guttigerus* Thunberg, Nov. Ins. Spec., 2, p. 32, pl. 2, f. 47.
 1837 *Pentatoma punctipes* Westwood, in Hope Cat., 1, p. 36.
 1851 *Eusarcoris guttiger* Dallas, List Hem., 1, p. 228.

- 1876 *Stallia guttiger* Stål, En. Hem., 5, p. 81.
 1902 *Eusarcoris guttiger* Distant, Fauna Brit. India, Rhynchota, 1, p. 165.
 1927 *Eusarcoris guttiger* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1927 *Eusarcoris guttiger* (sic) Sakaguchi, List Ins. Okinawa Is., p. 27.
 1932 *Eusarcoris guttiger* Esaki, Iconogr. Ins. Jap., p. 1573, f. 3105 (Japan).
 1932 *Eusarcoris guttiger*? Asahina, Mushi, 5 (2), p. 106 (Okinawa-jima).
 1947 *Eusarcoris guttiger* Ishihara, Insect and Nature, 2 (4-5-6), p. 65.
 1952 *Eusarcoris guttiger* Esaki, Iconogr. Ins. Jas., p. 193, f. 482.
 1954 *Eusarcoris* sp. Takara, Sci. Bull. Agr. Univ. Ryukyus, (1), p. 71 (Senkaku Is.).
 1954 *Eusarcoris guttiger* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 16 (Okinawa Is.).

Food: Compositae—*Cirsium liukiuense* Nakai (Ryukyu-shirobana-azami) et *Erigeron linifolium* Willd. (Arechi-nogiku).

Specimens examined: Okinawa-jima: 4 Exs., 10. V. 1956. (T. Takara). Miyako-jima: 2 Exs., 14. IX. 1955 (T. Takara). Ishigaki-jima: 2 Exs., 20. VIII. 1956 (T. Takara). Iriomote-jima: 2 Exs., 10. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima, Yonaguni-jima, Senkaku Is.

Foreign distr.: Japan, Formosa, China, Burma, India, Oriental tropics.

17. Genus **Carbula** Stål, 1864

1864 *Carbula* Stål, Hem. Afr., 1, p. 140.

21) **Carbula crassiventris** (Dallas, 1849)

Jap. name: Taiwan-toge-kamemushi.

- 1849 *Pentatoma crassiventris* Dallas, Tr. Ent. Soc. London, 5, p. 189.
 1902 *Carbula crassiventris* Distant, Fauna Brit. India, Rhynchota, 1, p. 170, f. 102.
 1932 *Carbula crassiventris* Esaki, Iconogr. Ins. Jap., p. 1575, f. 3110 (Ryukyu).
 1932 *Carbula crassiventris* Asahina, Mushi, 5 (20), p. 107 (Okinawa-jima).
 1933 *Carbula crassiventris* Kato, Colour Illust. Ins. Japan, 5, pl. 14, f. 7 (Ryukyu).
 1955 Taiwan-toge-kamemushi shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food: Compositae—*Cirsium liukiuense* Nakai (Ryukyu-shirobana-azami).

Specimens examined: Okinawa-jima: 10 Exs., 10. IV. 1955 (T. Takara).

Local distr.: Okinawa-jima.

Foreign distr.: Formosa, Burma, India, etc.

22) **Carbula obtusangula** Reuter, 1881

Jap. name: Katabiro-kamemushi.

- 1881 *Carbula obtusangula* Reuter, Ent. Mon. Mag., 17, p. 233.
 1905 *Carbula obtusangula* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 23 (Okinawa).
 1915 *Carbula* (sic) *obtusangula* Mitsuhashi, Ins. World, 19 (220), p. 526 (Okinawa).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: China.

18. Genus **Halyomorpha** Mayr, 1864

1864 *Halyomorpha* Mayr, Verh. Z.-B. Ges. Wien, 14, p. 911.

23) **Halyomorpha brevis** (Walker, 1867)

Jap. name: Kusagi-kamemushi, Chabane-kamemushi, Gobô-kusagame.

- 1867 *Dalpada brevis* Walker, Cat. Het., 1, p. 226.
 1902 *Halyomorpha picus* Distant, Fauna Brit. India, Rhynchota 1, p. 152, f. 91.
 1932 *Halyomorpha picus* Esaki, Iconogr. Ins. Jap., p. 1576, f. 3112 (Japan, Formosa).
 1939 *Halyomorpha picus* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 115 (Ryukyu).
 1947 *Halyomorpha picus* Ishihara, Insect and Nature, 2 (4-5-6), p. 65.
 1952 *Halyomorpha picus* Esaki, Iconogr. Ins. Jap., p. 195, f. 488 (Japan, Formosa).
 1954 *Halyomorpha picus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 16 (Okinawa Is., Ishigaki Is., Iriomote Is.).
 1955 *Halyomorpha brevis* Esaki, Illust. Pocket Book Ins. Colour, 2, p. 165.

Food: *Citrus* (Shiraki, 1954).

No specimens examined.

Local distr.: Okinawa-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr.: Japan, Formosa, China, Malay, Burma, India, Oriental region.

19. Genus **Agonoscelis** Spinola, 1837

1837 *Agonoscelis* Spinola, Essai, p. 327.

24) **Agonoscelis nubila** (Fabricius, 1775)

Jap. name: Ayanami-kamemushi.

- 1775 *Cimex nubilis* Fabricius, Syst. Ent., p. 712.
 1862 *Nevroscia sulciventris* Ellenrieder, Nat. Tijdschr. Ned. Ind., 24, p. 144.
 1902 *Agonoscelis nubila* Distant, Fauna Brit. India, Phynchota, 1, p. 189.
 1913 *Agonoscelis nubila* Matsumura, Thous, Ins. Japan, Addit., 1, p. 117 (Okinawa).
 1915 *Agonoscelis nubila* Mitsuhashi, Ins. World. 19 (220), p. 526 (Okinawa).
 1927 *Agonoscelis nubila* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1930 *Agonoscelis nubila* Matsumura, Illust. Thous. Ins. Japan, 1, p. 110 (Okinawa).
 1931 *Agonoscelis nubila* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1176 (Okinawa).
 1932 *Agonoscelis nubila* Matsumura, Illust. Common Ins. Japan, 4, p. 82 (Okinawa).
 1932 *Agonoscelis nubila* Esaki, Iconogr. Ins. p. 1578, f. 3116 (Japan, Formosa).
 1947 *Agonoscelis nubila* Ishihara, Insect and Nature, 2 (4-5-6), p. 65.
 1952 *Agonoscelis nubila* Esaki, Iconogr. Ins. Jap., p. 197, f. 492.
 1954 Ayanami-kamemushi Shiraki, Shin Konchû, 7 (4), p. 46 (Iriomote-jima).
 1954 *Agonoscelis nubila* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 15 (Okinawa Is., Ishigaki Is., Iriomote Is.).

Food: *Humulus japonicus* Sieb. et Zucc. (Kanamugura) (Yashiro, 1927).

Specimens examined: Okinawa-jima: 3 Exs., 15. IV. 1957 (T. Takara). Ishigaki-jima: 4 Exs., 11. II. 1955 et 5. IX. 1957 (T. Takara). Kuroshima: 3 Exs., 25. III. 1957 (S. Higashihirachi). Yonaguni-jima: 3 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: Okinawa-jima, Ishigaki-jima, Iriomote-jima, Kuroshima, Yonaguni-jima.

Foreign distr.: Japan, Formosa, China, Philippines, Indo-china, Malay, Burma, Ceylon, India, Oriental region.

20. Genus *Eurydema* Laporte, 1832

1832 *Eurydema* Laporte, Essai, Hem., p. 61.

25) *Eurydema pulchra* (Westwood, 1837)

Jap. name: Hime-nagame, Taiwan-nagame, Okinawa-game.

- 1837 *Pentatoma pulchra* Westwood, Hope Cat., 1, p. 34.
- 1851 *Strachia pulchrum* Dallas, List Hem., 1, p. 258.
- 1879 *Eurydema amoenum* Horváth, Termesz. Fuzet. 3, p. 144.
- 1894 *Strachia ornata* Fritze, Zool. Jahrb. Syst., 7, p. -
- 1902 *Eurydema pulchrum* Distant, Fauna Brit. India, Rhynchota, 1, p. 190, f. 114.
- 1905 *Eurydema ornatum* (Jap. name: Okinawa-nagame) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 23 (Okinawa).
- 1915 *Eurydema ornata* Mitsuhashi, Ins. World, 19 (220), p. 526 (Okinawa).
- 1920 *Eurydema pulchrum* (Jap. name: Taiwan-nagame) Matsumura, Manual Jap. Injur. Ins., p. 394 (Okinawa).
- 1927 *Eurydema pulchrum* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa)
- 1931 *Eurydema pulchrum* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1182 (Okinawa).
- 1932 *Eurydema pulchra* Esaki, Iconogr. Ins. Jap., p. 1579, f. 3118.
- 1932 *Eurydema pulchra* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
- 1932 *Eurydema pulchrum* Matsumura, Conspec. Jap. Injur. Ins., p. 334 (Okinawa).
- 1939 *Eurydema pulchra* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 114 (Ryukyu).
- 1940 *Eurydema pulchra* Yashiro, Agr. and Forti., 15 (12), p. 2429 (Okinawa).
- 1947 *Eurydema pulchra* Ishihara, Insect and Nature, 2 (4-5-6), p. -
- 1952 *Eurydema pulchra* Esaki, Iconogr. Ins. Jap., p. 197, f. 494.
- 1954 *Eurydema pulchra* Takara, Bull. Agr. Univ. Ryukyus, (1), p. 71 (Senkaku Is.).
- 1954 *Eurydema pulchra* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 16 (Okinawa Is.).
- 1954 Hime-nagame Shiraki, Shin Konchû, 7 (6), p. 34 (Ishigaki-jima).
- 1955 Hime-nagame Shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food: Cruciferae.

Specimens examined: Okinawa-jima: 10 Exs., 10. V. 1956 (T. Takara). Miyako-jima: 5 Exs., 29. III. 1956 (T. Takara). Ishigaki-jima: 10 Exs., 6. IX. 1955 (T. Takara). Iriomote-jima: 3 Exs., 10. IX. 1955 (T. Takara).

Local dister.: All Ryukyu Is.

Foreign distr.: Japan, Formosa, China, Philippines, Burma, Java, Sumatra, India, Oriental region.

21. Genus **Alcimocoris** Bergroth, 18911891 *Alcimocoris* Bergroth, Rev. d'Ent. T., 10, p. 214.26) **Alcimocoris japonensis** (Scott, 1880)

Jap. name: Ushi-kamemushi.

- 1880 *Alcimus japonensis* Scott, Trans. Ent. Soc. London, p. 310.
 1913 *Alcimocoris borealis* Matsumura, Thous. Ins. Japan, Addit., 1, p. 112 (Okinawa).
 1927 *Alcimus borealis* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1930 *Alcimus borealis* Matsumura, Illust. Thous. Ins Japan, 1, p. 106 (Okinawa).
 1931 *Alcimocoris borealis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1177
 (Okinawa).
 1932 *Alcimocoris japonensis* Esaki, Iconogr. Ins. Jap., p. 1580, f. 3119 (Japan,
 Formosa).
 1932 *Alcimocoris japonensis* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
 1947 *Alcimocoris japonensis* Ishihara, Insect and Nature, 2 (4-5-6), p. -
 1952 *Alcimocoris japonensis* Esaki, Iconogr. Ins. Jap., p. 198, f. 495 (Japan, Formosa).

Food: Unknown.*No specimens examined.**Local distr.:* Okinawa-jima.*Foreign distr.:* Japan, Formosa.22. Genus **Nezara** Amyot & Serville, 18431843 *Nezara* Amyot & Serville, Hist. Hem., p. 1435.27) **Nezara viridula** (Linné, 1758)

Jap. name: Minami-aokamemushi, Ao-kamemushi.

- 1758 *Cimex viridulus* Linne, Syst. Nat. ed. 10, p. 444.
 1775 *Cimex smaragdula* Fabricius, Syst. Ent., p. 711.
 1874 *Nezara viridis* Scott, Ann. Mag. Nat. Hist., (4), 14, p. 290.
 1902 *Nezara viridula* Distant, Fauna Brit. India, Rhynchota, 1, p. 220.
 1905 *Nezara viridula* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 23
 (Okinawa).
 1920 *Nezara viridula* Matsumura, Manual Jap. Injur. Ins., p. 404 (Okinawa).
 1927 *Nezara viridula* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1927 *Nezara viridula* Sakaguchi, List Ins. Okinawa Is., p. 28.
 1932 *Nezara viridula* Esaki, Iconogr. Ins. Jap., p. 1580, f. 3120.
 1932 *Nezara viridula* Matsumura, Conspec. Jap. Injur. Ins., p. 342 (Okinawa).
 1932 *Nezara viridula* f. *torquata* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
 1937 *Nezara viridula* Hirayama, Sequel Illust. Thous. Ins. Nat. Colour, pl. 81, f. 13
 (Ryukyu).
 1939 *Nezara viridula* Takano & Yanagiwara, Manual Formosan Ins. Injur. Sugarcane,
 p. 137 (Okinawa).
 1940 *Nezara viridula* f. *smaragdula* Ishihara, Ent. World, 8 (76), p. 370 (N. Daito-
 jima).
 1940 *Nezara viridula* f. *torquata* Ishihara, Ent. World, 8 (76), p. 370 (N. Daito-jima).
 1952 *Nezara viridula* Esaki, Iconogr. Ins. Jap., p. 198 (Ryukyu).
 1954 *Nezara viridula* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 17 (Okinawa Is., Miyako
 Is., Ishigaki Is., Iriomote Is.).
 1954 *Nezara viridula* Hasegawa, Bull. Nat. Inst. Agr. Sci., C, (4), p. 216 (Okinawa).

1955 Minami-aokamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Gramineae—*Oryza sativa* L. (Ine) et *Setaria italica* Beauv. (Awa). Papilionaceae (Leguminosae)—*Phaseolus angularis* Wight. (Azuki) et *Glycine Max* Merrill. (Daizu). Solanaceae—*Lycopersicon esculentum* Mill. (Tomato). Cruciferae—*Raphanus sativus* L. (Daikon), *Brassica oleracea* var. *capitata* L. (Tamana), etc.

Specimens examined: Okinawa-jima: 5 Exs., 2. VI. 1955 (S. Higashihirachi). Miyako-jima: 3 Exs., 29. VIII. 1957 (T. Takara). Ishigaki-jima: 5 Exs., 5. IX. 1957 (T. Takara). Iriomote-jima: 4 Exs., 10. IX. 1955 (T. Takara). Yonaguni-jima: 3 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: Okinawa-jima, Tokashiki-jima, Kume-jima, Daito-jima, Miyoko-jima, Ishigaki-jima, Iriomote-jima, Yonaguni-jima.

Foreign distr.: Japan (Amami-oshima), Formosa, China, Philippines, Malay, India, Africa, etc.

Important injurious insect of the rice plant in the Ryukyus. It comes out in a limited place.

28) **Nezara antennata** Scott, 1874

Jap. name: Ao-kusakamemushi.

1874 *Nezara antennata* Scott, Ann. Mag Nat. Hist., (4), 14, p. 299.

1902 *Nezara antennata* Distant, Fauna Brit. India, Rhynchota, 1, p. 220.

1927 *Nezara antennata* Sakaguchi, List Ins. Okinawa Is., p. 28.

1932 *Nezara antennata* Esaki, Iconogr. Ins. Jap., p. 1580, f. 3120 (Japan).

1940 *Nezara antennata* Yashiro, Agr. and Fort., 15 (12), p. 2429 (Okinawa).

1952 *Nezara antennata* Esaki, Iconogr. Ins. Jap., p. 198, f. 496 (Japan).

1954 *Nezara antennata* Hesegawa, Bull. Nat. Inst. Agr. Sci., C, (4), p. 216.

1955 Ao-kusakamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima.

Foreign distr.: Japan, China, Korea.

23. Genus **Plautia** Stål, 1864

1864 *Plautia* Stål, Hem. Afr., p. 191.

29) **Plautia ståli** Scott, 1874

Jap. name: Chabane-aokamemushi, Haneaka-aokamemushi.

1874 *Plautia ståli* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 299.

1905 *Plautia ståli* Matsumura, Trans. Sapporo Nat Hist. Soc., 1 (1), p. 24 (Okinawa).

1915 *Plautia ståli* Mitsuhashi, Ins. World, 19 (220), p. 526 (Okinawa).

1927 *Plautia ståli* Sakaguchi, List Ins. Okinawa Is., p. 28.

1927 *Plautia ståli* (Jap. name: Haneaka-aokamemushi) Yashiro, List. Ins. Roo-choo Is., p. 10 (Okinawa).

- 1932 *Plautia stali* Esaki, Iconogr. Ins. Jap., p. 1581, f. 3121 (Japan).
 1932 *Plautia stali* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
 1952 *Plautia stali* Esaki, Iconogr. Ins. Jap., p. 198, f. 497 (Japan).
 1955 Chabane-aokamemushi Shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food: Unknown.

Specimens examined: Okinawa-jima: 5 Exs., 5. VII. 1955 (T. Takara).

Local distr.: Okinawa-jima.

Foreign distr.: Japan.

30) **Plautia splendens** Distant, 1900

Jap. name: Hime-chabane-aokamemushi.

- 1900 *Plautia splendens* Distant, Trans. Ent. Soc. London, p. 171.
 1932 *Plautia splendens* (Jap. name: Hime-chabane-aokamemushi) Esaki, Iconogr. Ins. Jap., p. 1581, f. 3122 (Japan).
 1932 *Plautia splendens* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
 1954 Hime-chabane-aokamemushi? Shiraki, Shin Konchû, 7 (6), p. 34 (Ishigaki-jima).

Food: Unknown.

Specimens examined: Ishigaki-jima: 2 Exs., 21. II. 1955 (S. Higashihirachi). Miyako-jima: 1 Exs., 28. VIII. 1957 (T. Takara).

Local distr.: Okinawa-jima, Miyako-jima (hab. nov.), Ishigaki-jima.

Foreign distr.: Japan.

24. Genus **Menida** Motschulsky, 1861

1861 *Menida* Motschulsky, Eu. Ent., 10, p. 23.

31) **Menida histrio** (Fabricius, 1787)

Jap. name: Aka-kamemushi.

- 1787 *Cimex histrio* Fabricius, Mant. Ins., 2, p. 296.
 1868 *Antestia histrio* Stål, Hem. Fabr., 1, p. 34.
 1902 *Menida histrio* Distant, Fauna Brit. India, Rhynchota, 1, p. 228.
 1932 *Menida histrio* Esaki, Iconogr. Ins. Jap., p. 1584, f. 3127 (Formosa).
 1954 *Menida bengalensis* (Jap. name: Aka-kamemushi) Shiraki, Cat. Injur. Ins. Rynkyu Is., p. 16 (Ishigaki Is., Iriomote Is.).

Food: *Oryza sativa* L. et *Saccharum officinarum* L. (Shiraki, 1954).

No specimens examined.

Local distr.: Ishigaki-jima, Iriomote-jima,

Foreign distr.: Formosa, China, Burma, India, etc.

25. Genus **Piezodorus** Fabricius, 1861

1861 *Piezodorus* Fabricius, Eur. Hem., p. 78 et 329.

32) **Piezodorus rubrofasciatus** (Fabricius, 1787)

Jap. name: Ichimonji-kamemushi, Akasoji-aokamemushi.

- 1787 *Cimex rubrofasciatus* Fabricius, Mant. Ins., 2, p. 293.

- 1788 *Cimex hybneri* Gmelin, Syst. Nat 1, (4), p. 2151.
 1798 *Cimex flanescens* Fabricius, Ent. Syst. Suppl., p. 534.
 1837 *Rhaphigaster flavolineatus* Westwood, Hope Cat., 1, p. 31.
 1843 *Rhaphigaster virescens* Amyot & Serville, Hem., p. 148.
 1862 *Nezara pellucida* Ellenrieder, Nat. Tijaschr. Ned. Ind., 24, p. 157.
 1902 *Piezodorus rubrofasciatus* Distant, Fauna Brit. India, Rhynchota, 1, p. 225, f. 142.
 1927 *Piezodorus* (sic) *rubrofasciatus* (Jap. name: Akasuji-aokamemushi) Sakaguchi, List Ins. Okinawa Is., p. 28.
 1932 *Piezodorus rubrofasciatus* Esaki, Iconogr. Ins. Jap., p. 1584, 3128 (Japan).
 1932 *Piezodorus rubrofasciatus* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
 1940 *Piezodorus rubrofasciatus* Yashiro, Agr. and Fort., 15 (12), p. 2429 (Okinawa).
 1952 *Piezodorus rubrofasciatus* Esaki, Iconogr. Ins. Jap., p. 200, f. 503.
 1954 *Piezodorus rubrofasciatus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 17 (Okinawa Is., Ishigaki Is., Iriomote Is.).

Food: Leguminosae—*Glycine Max* Merrill (Daizu), *Phaseolus angularis* Wight. (Azuki), etc.

Specimens examined: Okinawa-jima: 10 Exs., 5. VI. 1955 (S. Higashihirachi). Miyako-jima: 10 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima: 5 Exs., 5. IX. 1957 (T. Takara). Iriomote-jima: 4 Exs., 10. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr.: Japan, Formosa, China, Malay, Burma, Bengal, Ceylon, Assam, India Australia, Africa, etc.

26. Genus *Rhynchoscoris* Westwood, 1837

1837 *Rhynchoscoris* Westwood, Hope Cat., 1, p. 29.

33) *Rhynchoscoris humeralis* (Thunberg, 1783)

Jap. name: Mikan-togekamemushi, Kuchinaga-kamemushi.

(Pl. I, fig. 3)

- 1783 *Cimex humeralis* Thunberg, Nov. Ins. Spec., 2, p. 40, t. 2, f. 54.
 1835 *Acanthosoma humeralis* Burmeister, Handb. Ent., 2, p. 359.
 1902 *Rhynchoscoris humeralis* Distant, Fauna Brit. India, Rhynchota, 1, p. 212, f. 133.
 1913 *Rhynchoscoris* (sic) *humeralis* Matsumura, Thous. Ins. Japan, Addit., 1, p. 126 (Formosa).
 1932 *Rhynchoscoris humeralis* Esaki, Iconogr. Ins. Jap., p. 1585, f. 3129 (Formosa).

Food: *Citrus* spp.

Specimens. examined: Okinawa-jima: 1 Exs., 28. VII. 1955 (K. Shinzato). Ishigaki-jima: 2 Exs., 10. VII. 1956 (S. Higashihirachi) et 5. IX. 1957 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.), Ishigaki-jima (hab. nov.).

Foreign distr.: Formosa, China, Philippines, Indo-china, Thai, Java, Burma, India, etc.

On the mode of life this species in the Formosa is reported by R. Takahashi (1940).

27. Genus **Amblycara** Bergroth, 18911891 *Amblycara* Bergroth, Rev. d'Ent., 10, p. 214.34) **Amblycara gladiatoria** (Stål, 1876)

Jap. name: Iwasaki-ô-togekamemushi.

1876 *Abeona gladiatoria* Stål, Enu. Hem., 5, p. 102.1902 *Amblycara gladiatoria* Distant, Fauna Brit. India, Rhynchota, 1, p. 217, f. 137.1937 *Amblycara gladiatoria* Esaki, Mushi, 10 (2), p. 89, t. 8, f. 2 (Ishigaki-jima).*Food*: Unknown.*Specimens examined*: Ishigaki-jima: 1 Exs., 7. VII. 1936 (T. Iwasaki) (Specimen in Kyushu Univ.).*Local distr.*: Ishigaki-jima.*Foreign distr.*: Ceylon, E. India.28. Genus **Cantheconidea** Schouteden, 19071907 *Cantheconidea* Schouteden, Gen. Ins. Fasc., 52, p. 52.35) **Cantheconidea furcellata** (Wolff, 1801)Jap. name: Ki-shimofuri-harikamemushi, Hari-kuchibutokame,
Ki-shimofuri-hari-kuchibutokamemushi.

(Pl. I, fig. 4)

1801 *Cimex furcellata* Wolff, Icon. Cimic. Des., 3, 5, p. 182, pl. 18, f. 176.1902 *Canthecona furcellata* Distant, Fauna Brit. India, Rhynchota, 1, p. 248, f. 158.1913 *Canthecona furcellata* Matsumura, Thous. Ins. Japan, Addit., 1, p. 123 (Okinawa).1915 *Cantheconidea furcellata* Mitsuhashi, Ins. World, 19 (220), p. 525 (Okinawa).1927 *Canthecona furcellata* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).1927 *Canthecona furcellata* Sakaguchi, List Ins. Okinawa Is., p. 26.1930 *Canthecona furcellata* Matsumura, Illust. Thous. Ins. Japan, 1, p. 117 (Okinawa).1932 *Cantheconidea furcellata* Esaki, Iconogr. Ins. Jap., p. 1593, f. 3146 (Formosa).1932 *Cantheconidea furcellata* Matsumura, Illust. Common Ins. Japan, 4, p. 82
(Okinawa).1941 *Cantheconidea furcellata* (Jap. name: Kishimofuri-hari-kuchibutokamemushi)
Ishihara, Botany & Zoology, 9 (9), p. 226.1954 *Cantheconidea furcellata* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 15 (Okinawa
Is., Ishigaki Is.).*Food*: *Prodenia litura* Fabricius (Hasumon-yotô).*Specimens examined*: Okinawa-jima: 4 Exs., 8 V. 1955 (S. Higashihirachi). Ishigaki-jima: 2 Exs., 27. VII. 1954 (T. Takara). Iriomote-jima: 2 Exs., 10. IX. 1955 (T. Takara).*Local distr.*: Okinawa-jima, Ishigaki-jima, Iriomote-jima (hab.
nov.)*Foreign distr.*: Japan, Formosa, China, Malay, India, etc.On the food habit of this species in the Formosa there is a report
by J. Sonan (1921).

29. Genus *Andrallus* Bergroth, 1906

1906 *Andrallus* Bergroth, Ann. Soc. Ent. Belg., 49, p. 370.

36) *Andrallus spinidens* (Fabricius, 1787)

Jap. name: Shiroheri-kuchibuto-kamemushi, Ishida-kuchibuto-kamemushi.

(Pl. I, fig. 5)

- 1787 *Cimex spinidens* Fabricius, Mant. Ins., 2, p. 285.
- 1851 *Picromerus spinidens* Dallas, List Hem., 1, p. 95.
- 1902 *Audinetia spinidens* Distant, Fauna Brit. India, Rhynchota, 1, p. 253, f. 160.
- 1913 *Audinetia spinidens* Matsumura, Thous. Ins. Japan, Addit., 1, p. 123 (Ishigaki-jima).
- 1930 *Audinetia spinidens* Matsumura, Illust. Thous. Ins. Japan, 1, p. 116 (Ishigaki-jima).
- 1955 Ishida-kuchibuto-kamemushi Shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food: *Prodenia litura* Fabricius (Hasumon-yotô).

Specimens examined: Okinawa-jima: 5 Exs., 28. VI. 1955 (T. Takara). Ishigaki-jima: 2 Exs., 5. IX. 1957 (T. Takara). Iriomote-jima: 2 Exs., 10. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima, Iriomote-jima (hab. nov.).

Foreign distr.: Japan, Formosa, China, Borneo, Sumatra, India, etc.

On the food habit of this species in the Formosa there is a report by J. Sonan (1921).

30. Genus *Zicrona* Amyot & Serville, 1843.

1843 *Zicrona* Amyot & Serville, Hist. Hem., p. 86.

37) *Zicrona caerulea* (Linné, 1758)

Jap. name: Ruri-kuchibuto-kamemushi.

- 1758 *Cimex caerulea* Linné, Syst. Nat., 10, p. 445.
- 1834 *Pentatoma caerulea* Hahn, Wanz. Ins., 2, p. 65.
- 1835 *Asopus caerulea* Burmeister, Handb. Ent., 2, p. 378.
- 1840 *Stiretrus caerulea* Blanch, Nat. Ins., p. 154.
- 1902 *Zicrona caerulea* Distant, Fauna Brit. India, Rhynchota, 1, p. 255.
- 1905 *Zicrona caerulea* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 24 (Okinawa).
- 1915 *Zicrona caerulea* Mitsuhashi, Ins. World, 19 (220), p. 525 (Okinawa).
- 1927 *Zicrona* (sic) *coerulea* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
- 1930 *Zicrona coerulea* Matsumura, Illust. Thous. Ins. Japan, 1, p. 116 (Okinawa).
- 1932 *Zicrona coerulea* Esaki, Iconogr. Ins. Jap., p. 1596, f. 3152 (Japan, Formosa).
- 1932 *Zicrona coerulea* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
- 1952 *Zicrona coerulea* Esaki, Iconogr., Ins. Jap., p. 209, f. 530.

Food: *Prodenia litura* Fabricius (Hasumon-yotô), *Phyllotreta striolata* Fabricius (Kisuji-nomihamushi).

Specimens examined: Okinawa-jima: 2 Exs., 26. VI. 1955

(T. Takara). Ishigaki-jima: 2 Exs., 2. IX. 1956 (T. Takara). Iriomote-jima: 3 Exs., 10. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima (hab. nov.?), Iriomote-jima (hab. nov.).

Foreign distr.: Japan, Formosa, China, Philippines, Borneo, Java, Sumatra, Burma, India, Canada, etc.

The mode of life and the value of use in Japan is reported by H. Kobayashi (1955).

31. Genus **Cyclopelta** Amyot & Serville, 1843

1843 *Cyclopelta* Amyot & Serville, Hem., p. 172.

38) **Cyclopelta parva** Distant, 1900

Jap. name: Ko-kabocha-kamemushi, Kabocha-kamemushi.

1900 *Cyclopelta parva* Distant, Ann. Mag. Nat. Hist., 6, p. 220.

1902 *Cyclopelta parva* Distant, Fauna Brit. India, Rhynchota, 6, p. 280.

1954 *Cyclopelta parva* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 15 (Iriomote Is.).

Food: *Citurlus vulgaris* Schrad. (Suika) et *Cucurbita moschata* var. (Kabocha) (Shiraki, 1954).

No specimens examined.

Local distr.: Iriomote-jima.

Foreign distr.: Formosa, China, India, etc.

32 Genus **Aspongopus** Laporte, 1832

1832 *Aspongopus* Laporte, Ess. Hem., p. 58.

39) **Aspongopus chinensis** Dallas, 1851

Jap. name: Tsumaki-kurokamemushi.

1851 *Aspongopus chinensis* Dallas, List Hem., 1, p. 349.

1902 *Aspongopus chinensis* Distant, Fauna Brit. India, Rhynchota, 1, p. 285.

1931 *Aspongopus chinensis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1177 (Okinawa).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: Formosa, China, Assam, India.

33. Genus **Staroides** Matsumura, 1913

1913 *Staroides* Matsumura, Thous. Ins. Japan, Addit., 1, p. 115.

40) **Staroides iwasakii** Matsumura, 1913

Jap. name: Iwasaki-kamemushi.

1913 *Staroides iwasakii* Matsumura, Thous. Ins. Japan, Addit., 1, p. 115, pl. 12, f. 18 (Ishigaki-jima).

- 1915 *Starcioides iwasakii* Mitsuhashi, Ins. World, 19 (220), p. 527 (Ishigaki-jima).
 1927 *Starcioides iwasakii* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1931 *Starcioides iwasakii* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1189, f. 72 (Ishigaki-jima).

Food: Unknown.

No specimens examined.

Local distr.: Ishigaki-jima.

Foreign distr.: Unknown.

34. Genus **Massocephalus** Dallas, 1851

- 1851 *Massocephalus* Dallas, List Hem. Brit. Mus., p. 195.

41) **Massocephalus maculatus** Dallas, 1851

Jap. name: Hoshi-aokamemushi.

- 1851 *Massocephalus maculatus* Dallas, List Hem. Brit. Mus., 1, p. 231, pl. 9, f. 1.
 1905 *Massocephalus maculatus?* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 22 (Okinawa).
 1915 *Massocephalus maculatus* Mitsuhashi, Ins. World, 19 (220), p. 528 (Okinawa).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: China, Philippines.

35. Genus **Gonopsis** Amyot & Serville, 1843

- 1843 *Gonopsis* Amyot & Serville, Hist. Hem., p. 180.

42) **Gonopsis affinis** (Uhler, 1860)

Jap. name: Ebiiro-kamemushi.

(Pl. I, fig. 6)

- 1860 *Dichelops affinis* Uhler, Proc. Acad. Philad., p. 224.
 1868 *Macrina vacillana* Walker, Cat. Het., 3, p. 497.
 1876 *Gonopsis affinis* Stål, Ent. Hem., 5, p. 121.
 1905 *Gonopsis affinis* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 24 (Okinawa).
 1915 *Gonopsis affinis* Mitsuhashi, Ins. World, 19 (220), p. 524 (Okinawa).
 1927 *Gonopsis affinis* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1932 *Gonopsis affinis* Esaki, Iconogr. Ins. Jap., p. 1598, f. 3156 (Japan).
 1933 *Gonopsis affinis* Kato, Colour Illust. Ins. Japan, 5, pl. 14, f. 3 (Ryukyu).
 1952 *Gonopsis affinis* Esaki, Iconogr. Ins. Jap., p. 210, f. 533 (Japan).
 1955 Ebiiro-kamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Gramineae—*Oryza sativa* L., *Saccharum officinarum* L. et *Misanthus* spp.

Specimens examined: Okinawa-jima: 5 Exs., 20. V. 1956 (T. Takara). Zamami-jima: 2 Exs., 17. VIII. 1955 (T. Takara). Ishigaki-jima: 3 Exs., 1. VII. 1934 (T. Esaki) (Specimens in Kyushu Univ.).

Local distr.: Okinawa-jima, Zamami-jima, Ishigaki-jima (hab. nov.).

Foreign distr.: Japan, China.

The mode of life of this species in Japan is reported by H. Kobayashi (1954).

36. Genus **Eumenotes** Westwood, 1847

1847 *Eumenotes* Westwood, Tr. Ent. Soc., 4, p. 246.

43) **Eumenotes obscura** Westwood, 1847

Jap. name: Hirozu-kamemushi.

(Pl. II, fig. 14)

1847 *Eumenotes obscura* Westwood, Tr. Ent. Soc., 4, p. 247, pl. 18, f. 4.

1889 *Odonia obscura* Bergroth, Ann. Mus. Civ. Gen., 27, p. 733.

1932 *Eumenotes obscura* Esaki, Iconogr. Ins. Jap., p. 1601, f. 3161 (Amami-ōshima, Formosa).

Fooo: *Ipomoea* sp.?

Specimens examined: Okinawa: 3 Exs. (Specimens in Kyushu Univ.). Okinawa-jima: 1 Exs., 10. VIII. 1957 (C. Izumi).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan (Amami-ōshima), Formosa, Malay Archipelago, Burma, India.

IV. Family **COREIDAE** Leach, 1815

Jap. name: Heri-kamemushi-ka.

37. Genus **Anoplocnemis** Stål, 1873

1873 *Anoplocnemis* Stål, Ent. Hem., 3, p. 47.

44) **Anoplocnemis castanea** (Dallas, 1852)

Jap. name: Ashibuto-herikamemushi.

(Pl. I, fig. 7)

1852 *Mictis castanea* Dallas, List Hem., 2, p. 889.

1902 *Anoplocnemis phasiana* Distant, Fauna Brit. India, Rhynchota, 1, p. 347.

1920 *Anoplocnemis phasianus* Matsumura, Manual Jap. Injur. Ins., p. 392 (Okinawa).

1927 *Anoplocnemis curvipes* Yashiro, List Ins. Roo-choo Is., p. 11 (Yaeyama).

1927 *Anoplocnemis phosianus* (sic) Sakaguchi, List Ins. Okinawa Is., p. 26.

1932 *Anoplocnemis phacianus* Matsumura, Conspec. Jap. Injur. Ins., p. 333 (Okinawa).

1932 *Anoplocnemis castanea* Esaki, Iconogr. Ins. Jap., p. 1604, f. 3168 (Ryukyu).

1933 *Anoplocnemis castanea* Kato, Colour Illust. Ins. Japan, 5, pl. 15, f. 7 (Ryukyu).

1937 *Anoplocnemis castanea* Hirayama, Sequel Illust. Thous. Ins. Nat. Colour, pl. 82, f. 1-2 (Ryukyu).

1941 *Anoplocnemis castanea* Masaki, Collect. and Breed., 3 (4), p. 109 (Senkaku Is.).

1954 *Anoplocnemis castanea* Takara, Sci. Bull. Agr. Univ. Ryukyu, (1), p. 71 (Senkaku Is.).

- 1954 *Anoplocnemis castanea* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 17 (Ishigaki Is., Iriomote Is.).

Food: Leguminosae—*Canavalia ensiformis* var. *gladiata* Makino (Nata-mame), *Phaseolus angularis* Wight. (Azuki), *Erythrina variegata* var. *orientalis* L. (Deigo), etc.

Specimens examined: Okinawa-jima: 3 Exs., 1. VII. 1956 (T. Takara). Miyako-jima: 3 Exs., 2. IV. 1956 (T. Takara). Ishigaki-jima: 5 Exs., 10. III. 1955 (T. Takara). Iriomote-jima: 3 Exs., 10. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.?), Miyako-jima (hab. nov.), Ishigaki-jima, Iriomote-jima, Senkaku Is.

Foreign distr.: Formosa, China, Philippines, Malay, Burma, Ceylon, India, Oriental region.

Important injurious insect of various kinds of beans in the Ryukyus. It appears exactly during months July to August.

38. Genus *Homoeocerus* Burmeister, 1835

1835 *Homoeocerus* Burmeister, Hadb., 2, 1, p. 316.

45) *Homoeocerus unipunctatus* (Thunberg, 1783)

Jap. name: Hoshi-harabiro-herikamemushi, Hoshi-herikamemushi.

- 1783 *Cimex unipunctatus* Thunberg, Nov. Ins. Spec. Desc., 2, p. 38, pl. 2, f. 52.
 1860 *Gonocerus punctipennis* Uhler, Proc. Acad. Nat. Sci. Philad., p. 226.
 1873 *Homoeocerus unipunctatus* Stål, Enam. Hem., 3, p. 60.
 1886 *Tlponius unipunctatus* Stål, Berl. Ent. Zeit., 10, p. 160.
 1905 *Homoeocerus unipunctatus* Matsumura, Trans, Sapporo Nat. Hist. Soc., 1 (1), p. 24 (Okinawa).
 1929 *Homoeocerus unipunctatus* (Jap. name: Hoshi-harabiro-herikamemushi) Esaki, Kontyu, 3 (4), p. 228 (Japan, N. China).
 1932 *Homoeocerus unipunctatus* Esaki, Iconogr. Ins. Jap., p. 1605, f. 3170 (Japan).
 1932 *Homoeocerus unipunctatus* Asahina, Mushi, 5 (2), p. 107 (Okinawa-jima).
 1952 *Homoeocerus unipunctatus* Esaki, Iconogr. Ins. Jap., p. 212, f. 539.
 1955 Hoshi-harabiro-herikamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Leguminosae?.

Specimens examined: Okinawa-jima: 2 Exs., 26. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Formosa, China, Java, Burma, Ceylon, India, etc.

39. Genus *Iwasakia* Matsumura, 1913

1913 *Iwasakia* Matsumura, Thous, Ins. Japan, Addit., 1, p. 132

46 *Iwasakia signata* (Walker, 1871)

Jap. name: Iwasaki-herikamemushi.

- 1871 *Homoeocoris signatus* Walker, Cat. Het., 5, p. 97.

- 1902 *Homoeocoris signatus* Distant, Fauna Brit. India, Rhynchota, 1, p. 356.
 1913 *Iwasakia biguttata* Matsumura, Thous. Ins. Japan, Addit., 1, p. 132, pl. 13, f. 15 (Ishigaki-jima).
 1927 *Iwasakia biguttata* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1927 *Iwasakia biguttata* Sakaguchi, List Ins. Okinawa Is., p. 27.
 1930 *Iwasakia biguttata* Matsumura, Illust. Thous. Ins. Japan, 1, p. 123 (Ishigaki-jima)
 1931 *Iwasakia signata* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1193, f. 91 (Ishigaki-jima).
 1954 Iwasaki-herikamemushi Shiraki, Shin Konchū, 7 (6), p. 34 (Ishigaki-jima).

Food: Unknown.

No specimens examined.

Local distr.: Ishigaki-jima.

Foreign distr.: India.

40. Genus *Anacanthocoris* Uhler, 1860

1860 *Anacanthocoris* Uhler, Proc. Acad. Philad., p. 287.

47) *Anacanthocoris concoloratus* (Uhler, 1860)

Jap. name: Azuki-herikamemushi.

- 1860 *Anacanthus concoloratus* Uhler, Proc. Acad. Philad., p. 227.
 1879 *Homoeocerus marginiventris* Horváth, Mem. Soc. Ent. Belgique, p. 107.
 1927 *Homoeocerus concoloratus* Sakaguchi, List Ins. Okinawa Is., p. 27.
 1929 *Anacanthocoris concoloratus* Esaki, Kontyū, 3 (4), p. 228 (Japan, S. China).
 1932 *Anacanthocoris concoloratus* Esaki, Iconogr. Ins. Jap., p. 1606, f. 3171.
 1952 *Anacanthocoris concoloratus* Esaki, Iconogr. Ins. Jap., p. 213, f. 541.

Food: Leguminosae—*Phaseolus angularia* Wight. (Azuki) et
Glycine max Merrill (Daizu).

Specimens examined: Okinawa-jima: 5 Exs., 19. VI. 1955 (T. Takara). Tokashiki-jima: 2 Exs., 14. VIII. 1955 (S. Higashihirachi).

Local distr.: Okinawa-jima, Tokashiki-jima.

Foreign distr.: Japan, China.

41. Genus *Leptoglossus* Guerin, 1830

1830 *Leptoglossus* Guerin, Voy. Coq. Zool., 2 (2), p. 174.

48) *Leptoglossus membranaceus* (Fabricius, 1781)

Jap. name: Ashibiro-herikamemushi.

(Pl. I, fig. 8)

- 1781 *Cimex membranaceus* Fabricius, Spec. Ins., 2, p. 351.
 1794 *Lygaeus membranaceus* Fabricius, Ent. Syst., 4, p. 139.
 1902 *Leptoglossus membranaceus* Distant, Fauna Brit. India, Rhynchota, 1, p. 382, f. 224.
 1905 *Leptoglossus membranaceus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 24 (Okinawa).
 1920 *Leptoglossa membranaceus* Matsumura, Manual Jap. Injur. Ins., p. 391 (Okinawa).
 1927 *Leptoglossa membranaceus* (sic) Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).

- 1927 *Leptoglossa membranaceus* (sic) Sakaguchi, List Ins. Okinawa Is., p. 27.
 1930 *Leptoglossus membranaceus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 125 (Okinawa).
 1931 *Leptoglossus membranaceus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1194 (Okinawa).
 1931 *Leptoglossus membranaceous* (sic) Matsumura, Thous. Ins. Japan, Addit., 1, p. 135 (Okinawa).
 1932 *Leptoglossa membranaceus* Matsumura, Conspec. Jap. Injur. Ins., p. 332 (Okinawa).
 1932 *Leptoglossus membranaceus* Esaki, Icorogr. Ins. Jap., p. 1608, f. 3175 (Ryukyu).
 1932 *Leptoglossus membranaceas* (sic) Matsumura, Illust. Common Ins. Japan, 4, p. 85 (Okinawa).
 1933 *Leptoglossus membranaceus* Hirayama, Illust. Thous. Ins. Nat. Colour, pl. 92, f. 2 (Ryukyu).
 1933 *Leptoglossus membranaceus* Kato, Colour Illust. Ins. Japan, 5, pl. 16, f. 1 (Ryukyu).
 1937 *Leptoglossus membranaceus* Esaki, Akitsu, 1 (1), p. 3 (Okinawa, Yaeyama).
 1940 *Leptoglossus membranaceus* Yashiro, Agr. and Fort., 15 (12), p. 2429 (Okinawa-jima, Miyako-jima, Ishigakijima).
 1944 *Leptoglossus membranaceus* Esaki, Ins. Injur. Crop. Pac. Is., p. 68 (Ryukyu).
 1954 *Leptoglossus membranaceus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 18 (Okinawa Is., Ishigaki Is., Iriomote Is.).
 1955 Ashibiro-herikamemushi Shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food: Cucurbitaceae—*Momordica charantia* L. (Nigauri), *Luffa cylindrica* Roem. (Hechima), etc. Malvaceae—*Gossypium indicum* Lam. (Wata).

Specimens examined: Okinawa-jima: 5 Exs., 10. X. 1955 (T. Takara). Miyako-jima: 10 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima: 5 Exs., 20. VIII. 1956 (T. Takara). Iriomote-jima: 5 Exs., 10. IX. 1955 (T. Takara). Yonaguni-jima: 3 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: Okinawa-jima, Kume-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima, Yonaguni-jima.

Foreign distr.: Formosa, Philippines, Malay, Java, Burma, Ceylon, India, Australia, Africa, etc.

Important injurious insect of various kinds of melons in the Ryukyus. It appears exactly during months July to August.

42. Genus *Acanthocoris* Amyot & Serville, 1843

1843 *Acanthocoris* Amyot & Serville, Hist. Hem., p. 213.

49) *Acanthocoris sordidus* (Thunberg, 1783)

Jap. name: Hozuki-kamemushi, Hohozuki-herikamemushi.

- 1783 *Cimex sordidus* Thunberg, Nov. Ins. Spec., 2, p. 44.
 1905 *Acanthocoris sordidus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 25 (Okinawa).
 1927 *Acanthocoris sordidus* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1927 *Acanthocoris scabrador* (=sorodidus) (sic) Sakaguchi, List Ins. Okinawa Is., p. 26.
 1930 *Acanthocoris sordidus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 128 (Ryukyu).
 1931 *Acanthocoris sordidus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1190

(Okinawa).

- 1932 *Acanthocoris sordidus* Esaki, Iconogr. Ins. Jap., p. 1608, f. 3176 (Japan, Formosa).
 1932 *Acanthocoris sordidus* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
 1932 *Acanthocoris sordidus* Matsumura, Illust. Common Ins. Japan, 4, p. 85 (Okinawa).
 1933 *Acanthocoris sordidus* Hirayama, Illust. Thous. Ins. Nat. colour, pl. 92, f. 6 (Ryukyu).
 1933 *Acanthocoris sordidus* Kato, Colour Illust. Ins. Japan, 5, pl. 17, f. 7 (Ryukyu).
 1940 *Acanthocoris sordidus* Yashiro, Agr. and Fort., 15 (12), p. 2427 (Okinawa).
 1952 *Acanthocoris sordidus* Esaki, Iconogr. Ins. Jap., p. 214, f. 544.
 1954 *Acanthocoris sordidus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 17 (Okinawa Is.).
 1954 Hozuki-kamemushi Shiraki, Shin Konchû, 7 (6), p. 34 et 36 (Ishigaki-jima, Miyako-jima).
 1955 Hozuki-kamemushi Shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food: Solanaceae—*Solanum* spp., *Physalis* spp., *Capsicum* spp. (Tôgarashi). Convolvulaceae—*Ipomoea* spp.

Specimens examined: Okinawa-jima: 10 Exs., 19, VI. 1955 (T. Takara). Miyako-jima: 6 Exs., 3. IV. 1956 (T. Takara). Ishigaki-jima: 10 Exs., 4. IX. 1956 (T. Takara). Iriomote-jima: 5 Exs., 10. IX. 1955 (T. Takara). Yonaguni-jima: 4 Exs., 30. IX. 1957 (S. Higashihirachi).

Local distr.: All Ryukyu Is.

Foreign distr.: Japan, Korea, Formosa, China, etc.

Almost we can find this species through the year. This species injures every crops, especially many Solanaceae crops and sweet potato in the mountain valleys.

43. Genus *Cletus* Stål, 1859

1859 *Cletus* Stål, Freg. Eug. Resa. Ins. Hem., p. 236.

50) *Cletus trigonus* (Thunberg, 1783)

Jap. name: Hoso-harikamemushi, Hoso-hari-herikamemushi.

- 1783 *Cimex trigonus* Thunberg, Nov. Ins. Sp., 2, p. 37.
 1902 *Cletus trigonus* Distant, Fauna Brit. India, Rhynchota, 1, p. 394.
 1905 *Cletus trigonus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 25 (Okinawa).
 1927 *Cletus trigonus* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1927 *Cletus trigonus* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1931 *Cletus trigonus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1191 (Okinawa).
 1932 *Cletus trigonus* Esaki, Iconogr. Ins. Jap., p. 1609, f. 3178 (Ryukyu).
 1932 *Cletus trigonus* (Jap. name: Hari-herikame) Matsumura, Illust. Common Ins. Japan, 4, p. 90 (Okinawa).
 1932 *Cletus trigonus* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
 1934 *Cletus trigonus* Okajima, Bull. Kagoshima Imp. Coll. Agr. For. Ded. Twenty-fifth Ann., 1, p. 572 (Okinawa).
 1936 *Cletus trigonus* Masaki, Kontyu, 10 (5), p. 269 (Ryukyu).
 1939 *Cletus trigonus* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 106 (Ryukyu).
 1940 *Cletus trigonus* Yashiro, Agr. and Fort., 15 (12), p. 2428 (Okinawa).
 1952 *Cletus trigonus* Esaki, Iconogr. Ins. Jap., p. 215, f. 546 (Ryukyu).
 1954 *Cletus trigonus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 18 (Okinawa Is., Ishigaki Is., Iriomote Is.).

1954 Hoso-harikamemushi Shiraki, Shin Konchû, 7 (6), p. 34 et 36 (Miyako-jima, Ishigaki-jima).

1955 Hoso-hari-herikamemushi Shiraki, Shin Konchû, 8 (1), p. 35 (Okinawa-jima).

Food: Gramineae—*Oryza sativa* L., *Saccharum officinarum* L., etc.

Specimens examined: Okinawa-jima: 6 Exs., 10. X. 1955 (T. Takara). Miyako-jima: 5 Exs., 20. VIII. 1956 (T. Takara). Ishigaki-jima: 10 Exs., 13. IX. 1955 (T. Takara). Iriomote-jima: 5 Exs., 10. IX. 1955 (T. Takara). Yonaguni-jima: 3 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: All Ryukyu Is.

Foreign distr.: Japan, Korea, Formosa, China, Philippines, Borneo, Ceylon, India, Oriental region.

The important injurious insect of the rice plant in the Ryukyus. It comes out in a limited area and especially causes great damage often the ear stage of the first crop of the year.

51) *Cletus punctiger* (Dallas, 1852)

Jap. name: Taiwan-hoso-harikamemushi.

1852 *Gonocerus punctiger* Dallas, List Hem., 2, p. 494.

1871 *Homoeocerus minax* Walker, Cat. Het., 4, p. 99.

1902 *Cletus punctiger* Distant, Fauna Brit. India, Rhyn., 1, p. 393.

1954 *Cletus punctiger* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 18 (Iriomote Is., Yonaguni Is.).

Food: *Oryza sativa* L. et Gramineous plants (Shiraki, 1954).

No specimens examined.

Local distr.: Iriomote-jima, Yonaguni-jima.

Foreign distr.: Formosa, China, India, etc.

52) *Cletus bipunctatus* (Westwood, 1842)

Jap. name: Futaten-harikamemushi.

1842 *Coreus bipunctatus* Westwood, Hope Cat., 2, p. 23.

1902 *Cletus bipunctatus* Distant, Fauna Brit. India, Rhyn., 1, p. 393.

1905 *Cletus infuscatus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 25 et 33, pl. 1, f. 8 (Okinawa).

1927 *Cletus bipunctatus* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).

1931 *Cletus infuscatus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1191, f. 80 (Naha).

1940 *Cletus bipunctatus* Ishihara, Ent. World, 8 (76), p. 371 (N. Daitô-jima).

1954 *Cletus bipunctatus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 18 (Okinawa Is., Ishigaki Is., Iriomote Is.).

Food: *Oryza sativa* L. et *Saccharum officinarum* L. (Shiraki, 1954).

No specimens examined.

Local distr.: Okinawa-jima, N. Daitô-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr.: Japan, Formosa, China, Java, Burma, India, etc.

44. Genus **Metacletus** Matsumura, 19131913 *Metacletus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 137.53) **Metacletus bivittatus** Matsumura, 1913

Jap. name: Futasuji-harikamemushi.

- 1913 *Metacletus bivittatus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 137, pl. 18, f. 20 (Okinawa).
- 1927 *Metacletus bivittatus* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
- 1927 *Metacletus bivittatus* Sakaguchi, List Ins. Okinawa Is., p. 28.
- 1930 *Metacletus bivittatus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 126 (Naha).
- 1931 *Metacletus bivittatus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1194, f. 96 (Okinawa).
- 1954 Futasuji-harikamemushi Shiraki, Shin Konchu, 7 (6), p. 34 (Ishigaki-jima).

Food: Unknown.*No specimens examined*.*Local distr.*: Okinawa-jima, Ishigaki-jima.*Foreign distr.*: Unknown.45. Genus **Leptocorisa** Latreille, 18251825 *Leptocorisa* Latreille, Fam. Nat., p. 421.54) **Leptocorisa varicornis** (Fabricius, 1803)

Jap. name: Kumo-herikamemushi, Kumo-kamemushi.

- 1803 *Gerris varicornis* Fabricius, Syst. Rhyn., p. 260.
- 1834 *Coreus varicornis* Burmeister, Nov. Act. Acad. Leop., 16, Suppl., p. 298.
- 1902 *Leptocorisa varicornis* Distant, Fauna Brit. India, Rhyn., 1, p. 409.
- 1905 *Leptocorisa varicornis* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 25 (Okinawa).
- 1920 *Leptocorisa varicornis* (Jap. name: Kumo-kame) Matsumura, Manual Jap. Injur. Ins., p. 385 (Okinawa).
- 1927 *Leptocoris* (sic) *varicornis* (Jap. name: Kumo-kamemushi) Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
- 1927 *Leptocorisa varicornis* Sakaguchi, List Ins. Okinawa Is., p. 27.
- 1930 *Leptocorisa varicornis* Matsumura, Illust. Thous. Ins. Japan, 1, p. 134 (Ryukyu).
- 1931 *Leptocorisa varicornis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1193 (Okinawa).
- 1932 *Leptocorisa varicornis* Esaki, Iconogr. Ins. Jap., p. 1612, f. 3183 (Ryukyu).
- 1932 *Leptocorisa varicornis* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
- 1932 *Leptocorisa varicornis* Matsumura, Illust. Common Ins. Jap., 4, p. 84 (Okinawa).
- 1932 *Leptocorisa varicornis* Matsumura, Conspec. Jap. Injur. Ins., p. 327 (Okinawa).
- 1933 *Leptocorisa varicornis* Kato, Colour Illust. Ins. Japan, 5, pl. 17, f. 1 (Ryukyu).
- 1934 *Leptocorisa varicornis* Okajima, Bull. Kagoshima Imp. Coll. Agr. For. Ded. Twenty-fifth Ann., 1, p. 571 (Okinawa).
- 1936 *Leptocorisa varicornis* Esaki, Mushi, 9 (1), p. 41 (N. Daito-jima).
- 1939 *Leptocorisa varicornis* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 105 (Ryukyu).
- 1939 *Leptocorisa varicornis* Takano & Yanagiwara, Manual Formosa, Ins. injur. Sugarcane, p. 133 (Okinawa).

- 1940 *Leptocoris varicornis* Ishihara, Ent. World, 8 (76), p. 371 (N. Daitō-jima).
 1952 *Leptocoris varicornis* Esaki, Iconogr. Ins. Jap., p. 216, f. 511 (Ryukyu).
 1954 Kumo-herikamemushi Shiraki, Shin Konchū, 7 (4), p. 46 (Iriomote-jima).
 1954 Kumo-herikamemushi Shiraki, Shin Konchū, 7 (6), p. 34 (Ishigaki-jima).
 1954 *Leptocoris varicornis* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 18 (Okinawa Is., Ishigaki Is., Iriomote Is.).
 1954 *Leptocoris varicornis* Takara, Sci. Bull. Agr. Univ. Ryukyus, (1), p. 71 (Senkaku Is.).
 1955 Kumo-herikamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Gramineae—*Oryza sativa* L., *Saccharum officinarum* L., etc.

Specimens examined: Okinawa-jima: 8 Exs., 5. X. 1955 (T. Takara). Miyako-jima: 3 Exs., 30. III. 1956 (T. Takara). Ishigaki-jima: 5 Exs., 2. IV. 1957 (T. Takara). Iriomote-jima: 5 Exs., 10. IX. 1955 (T. Takara). Yonaguni-jima: 5 Exs., 30. VIII. 1957 (S. Higshihirachi).

Local distr.: All Ryukyu Is.

Foreign distr.: Japan, Korea, Formosa, China, Philippines, Indo-china, Malay, Burma, Ceylon, India, Oriental tropics.

The important injurious insect of the rice plant in the Ryukyus. We can find this species all the year round. It causes great damage especially at the first crop of the year.

55) *Leptocoris acuta* (Thunberg, 1783)

Jap. name: Taiwan-kumo-herikamemushi.

- 1783 *Cimex acuta* Thunberg, Nov. Ins. Sp., 2, p. 34.
 1787 *Cimex angustatus* Fabricius, Mant. Ins., 2, p. 308.
 1788 *Cimex angustus* Gmelin, Syst. Nat., 1, (4), p. 2193.
 1794 *Gerris oratorius* Fabricius, Ent. Syst., 4, p. 191.
 1842 *Leptocoris bengalensis* Westwood, Hope Cat., 2, p. 18.
 1902 *Leptocoris acuta* Distant, Fauna Brit. India, Rhyn., 1, p. 410.
 1954 *Leptocoris acuta* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 18 (Iriomote Is., Yonaguni Is.).

Food: Gramineae—*Oryza sativa* L., *Saccharum officinarum* L., etc.

Specimens examined: Yonaguni-jima: 2 Exs., 30. VIII. 1957 (S. Higshihirachi). Senkaku Is.: 4 Exs., 4. IV. 1952 (T. Takara).

Local distr.: Iriomote-jima, Yonaguni-jima, Senkaku Is.

Foreign distr.: Formosa, Philippines, Malay, India, Oriental tropics, Australia.

46. Genus *Riptortus* Stål, 1859

1859 *Riptortus* Stål, Öfv. Vet. Ak. Forh., p. 460.

56) *Riptortus clavatus* (Thunberg, 1783)

Jap. name: Hosō-herikamemushi.

(Pl. I, fig. 9)

- 1783 *Cimex clavatus* Thunberg, Nov. Ins. Sp., 2, p. 34, pl. 2, f. 4.

- 1905 *Riptortus clavatus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 26 (Okinawa).
 1927 *Riptortus clavatus* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1927 *Riptortus clavatus* Sakaguchi, List Ins. Okinawa Is., p. 29.
 1930 *Riptortus clavatus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 129 (Ryukyu).
 1932 *Riptortus clavatus* Esaki, Iconogr. Ins. Jap., p. 1613, f. 3185 (Japan).
 1932 *Riptortus clavatus* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
 1939 *Riptortus clavatus* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 105 (Ryukyu).
 1952 *Riptortus clavatus* Esaki, Iconogr. Ins. Jap., p. 217, f. 553.
 1954 *Riptortus clavatus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 18 (Okinawa Is.).
 1954 Hoso-herikamemushi Shiraki, Shin Konchū, 7 (6), p. 34 (Ishigaki-jima).
 1955 Hoso-herikamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Leguminosae—*Phaseolus angularis* Wight., *Glycine max* Merrill, *Cassia* spp., etc.

Specimens examined: Okinawa-jima: 10 Exs., 26. VI. 1955 (T. Takara). Miyako-jima: 10 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima: 5 Exs., 5. IX. 1957 (T. Takara). Yonaguni-jima: 3 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: Okinawa-jima, Miyako-jima (hab. nov. ?), Ishigaki-jima, Yonaguni-jima (hab. nov.).

Foreign distr.: Japan, Korea, Formosa, China, Java, etc.

Important injurious insect of various kinds of beans in the Ryukyus. It appears exactly during months July to August.

57) *Riptortus fuscus* (Fabricius, 1798)

Jap. name:

- 1798 *Lygaeus fuscus* Fabricius, Ent. Syst. Suppl., p. 539.
 1842 *Alydus ventralis* Westwood, in Hope Cat., 2, p. 20.
 1902 *Riptortus fuscus* Distant, Fauna Brit. India, Rhyn., 1, p. 414.
 1927 *Riptortus fuscus* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1954 *Riptortus fuscus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 19 (Okinawa Is.).

Food: *Oryza sativa* L. et *Saccharum officinarum* L. (Yashiro, 1927).

No specimens examined.

Local distr.: Okinawa-jima.

Foreign distr.: Formosa, China, Malay, Burma, Ceylon, India.

58) *Riptortus linearis* (Fabricius, 1775)

Jap. name: Taiwan-hoso-herikamemushi, Ko-hoso-herikamemushi.

- 1775 *Lygaeus linearis* Fabricius, Syst. Ent., p. 710.
 1860 *Alydus clavatus* Dohrn, Stett. Ent. Zeit., 21, p. 402.
 1902 *Riptortus linearis* Distant, Fauna Brit. India, Rhyn., 1, p. 415.
 1920 *Riptortus linearis* Matsumura, Manual Jap. Injur. Ins., p. 389 (Okinawa).
 1927 *Riptortus linearis* Sakaguchi, List Ins. Okinawa Is., p. 29.

- 1931 *Riptortus linearis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1195 (Okinawa).
 1932 *Riptortus linearis* Matsumura, Conspec. Jap. Injur. Ins., p. 330 (Okinawa).
 1932 *Riptortus linearis* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
 1933 *Riptortus linearis* Kato, Colour Illust. Ins. Japan, 5, pl. 18, f. 2 (Ryukyu).
 1936 *Riptortus linearis* Masaki, Kontyû, 10 (5), p. 269 (Ryukyu).
 1939 *Riptortus linearis* Yashiro, Trans. Biogeogr. Soc. Japan, 3 (2), p. 129 (S. Daitô-jima).

Food: Gramineae—*Oryza sativa* L., *Saccharum officinarum* L., etc.

Specimens examined: Okinawa-jima: 3 Exs., 17. VIII. 1956
(T. Takara). Ishigaki-jima: 2 Exs., 20. VIII. 1956 (T. Takara).

Local distr.: Okinawa-jima, S. Daitô-jima, Ishigaki-jima (hab. nov.).

Foreign distr.: Formosa, China, Malay, Burma, Ceylon, India, etc.

59) *Riptortus pedestris* (Fabricius, 1775)

Jap. name: Kiboshi-hoso-herikamemushi.

- 1775 *Gerris pedestris* Fabricius, Syst. Ent., p. 727.
 1788 *Cimex pedes* Gmelin, Syst. Nat., 1, 4, p. 2191.
 1902 *Riptortus pedestris* Distant, Fauna Brit. India, Rhyn., 1, p. 414.
 1939 *Riptortus pedestris* Yashiro, Trans. Biogeogr. Soc. Japan, 3 (2), p. 129 (S. Daitô-jima).
 1954 *Riptortus pedestris* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 19 (Iriomote Is.).

Food: Rice, Legumineous plants, etc. (Shiraki, 1954).

No specimens examined.

Local distr.: S. Daitô-jima, Iriomote-jima.

Foreign distr.: Formosa, China, Cochin-china, Malay, Burma, Ceylon, India, etc.

47. Genus *Serinetha* Spinola, 1873

1873 *Serinetha* Spinola, Essai, p. 247.

60) *Serinetha rufomarginata* (Fabricius, 1794)

Jap. name: Fuchibeni-herikamemushi.

- 1794 *Lygaeus rufomarginatus* Fabricius, Ent. Syst., 4, p. 152.
 1852 *Serinetha rufomarginatus* Dallas, List Hem., 2, p. 460.
 1902 *Serinetha rufomarginatus* Distant, Fauna Brit. India, Rhyn., 1, p. 419.
 1913 *Lygaeus flavomarginatus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 141 (Okinawa).
 1927 *Lygaeus flavomarginatus* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1930 *Lygaeus flavomarginatus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 169 (Naha).
 1931 *Lygaeus flavomarginatus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1198, f. 114 (Naha).
 1932 *Serinetha rufomarginata* Esaki, Iconogr. Ins. Jap., p. 1613, f. 3186 (Yaeyama).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima, Yaeyama (=? Ishigaki-jima).

Foreign distr.: Formosa, Philippines, Borneo, India, etc.

61) **Serinetha augur** (Fabricius 1781)

Jap. name: Aka-herikamemushi.

- 1781 *Cimex augur* Fabricius, Spec. Ins., 2, p. 366.
 1803 *Lygaeus chalcocephalus* Fabricius, Syst. Rhyn., p. 226.
 1835 *Leptocoris augur* Burmeister, Handb., 2, p. 305.
 1902 *Serinetha augur* Distant, Fauna Brit. India, Rhyn., 1, p. 420.
 1932 *Serinentha augur* Esaki, Iconogr. Ins. Jap., p. 1614, f. 3187 (Formosa).
 1954 Aka-herikamemushi Shiraki, Shin Konchū, 7 (6), p. 34 (Ishigaki-jima).

Food: Euphorbiaceae—*Bischofia javanica* Blume (Akagi).*Specimens examined*: Miyako-jima: 7 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima: 5 Exs., 5. IX. 1957 (T. Takara).*Local distr.*: Miyako-jima (hab. nov.), Ishigaki-jima.*Foreign distr.*: Formosa, China, Malay, Ceylon, Assam, India, etc.

V. Family LYGAEIDAE Schiller, 1829

Jap. name: Naga-kamemushi-ka.

48. Genus **Lygaeus** Fabricius, 17751775 *Lygaeus* Fabricius, Ent. Syst., 4, p. 133.62) **Lygaeus fimbriatus** Dallas, 1852

Jap. name:

(Pl. II, fig. 15)

- 1852 *Lygaeus fimbriatus* Dallas, List Hem., 2, p. 546.
 1874 *Melanospilus fimbriatus* Stål, Ent. Hem., 4, p. 104.
 1904 *Lygaeus fimbriatus* Distant, Fauna Brit. India, Rhyn., 2, p. 7.
 1954 *Lygaeus* sp. Takara, Sci. Bull. Agr. Univ. Ryukyus, (1), p. 71 (Senkaku Is.).

Food: Unknown.*Specimens examined*: Okinawa-jima: 2 Exs., 26. VI. 1955 (T. Takara). Senkaku Is.: 1 Exs., 3. IV. 1952 (T. Takara).*Lobal distr.*: Okinawa-jima (hab. nov.), Senkaku Is.*Foreign distr.*: China, Burma, Assam, etc.63) **Lygaeus hospes** (Fabricius, 1794)

Jap. name: Ko-madara-nagakamemushi, Ko-madara-kamemushi.

- 1794 *Spilostethus hospes* Fabricius, Ent. Syst., 4, p. 150.
 1904 *Lygaeus hospes* Distant, Fauna Brit. India, Rhyn., 2, p. 6.
 1905 *Lygaeus hospes* (Jap. name: Okinawa-madara-kamemushi) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 26 (Okinawa).
 1913 *Lygaeus hospes* Matsumura, Thous. Ins. Japan, Addit, 1, p. 140 (Okinawa).
 1914 *Spilostethus hospes* Bergroth, Ent. Mitt., 3, p. 356.
 1927 *Lygaeus hospes* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1927 *Lygaeus hospes* Sakaguchi, List Ins. Okinawa Is., p. 27.
 1930 *Lygaeus hospes* Matsumura, Illust. Thous. Ins. Japan, 1, p. 167 (Okinawa).
 1931 *Lygaeus hospes* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1189 (Okinawa).

- 1932 *Spilostethus hospes* Esaki, Iconogr. Ins. Jap., p. 1617, f. 3194 (Formosa).
 1932 *Spilostethus hospes* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
 1933 *Lygaeus hospes* Kato, Colour Illust. Ins. Japan, 5, pl. 18, f. 8 (Ryukyu).
 1939 *Spilostethus hospes* Takano & Yanagiwara, Manual Formosan Ins. Injur. Sugarcane, p. 132 (Okinawa).
 1954 Ko-madara-nagakamemushi Shiraki, Shin Konchū, 7 (6), p. 34 et 36 (Miyako-jima, Ishigaki-jima).
 1954 *Lygaeus hospes* Hasegawa, Shin Konchū, 7 (9), p. 7 (Okinawa).
 1955 Ko-madara-nagakamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Compositae—*Erechtites valerianaefolia* (Wolf.) (Shimahorogiku), *Erigeron* sp. Solanaceae—*Lycopersicon esculentum* Mill. (Tomato), *Solanum* spp., *Capsicum* sp. Leguminosae—*Phaseolus* spp.

Specimens examined: Okinawa-jima: 9 Exs., 28. VI. 1955 (T. Takara). Miyako-jima: 10 Exs., 28. IX. 1957 (T. Takara). Ishigaki-jima: 10 Exs., 20. VIII. 1956 (T. Takara). Iriomote-jima: 5 Exs., 10. IX. 1955 (T. Takara). Hateruma-jima: 3 Exs., 27. VI. 1934 (T. Esaki) (Specimens in Kyushu Univ.).

Local distr.: Okinawa-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima, Hateruma-jima, Yonaguni-jima.

Foreign distr.: Japan, Formosa, China, Malay, Burma, Ceylon, India, New-caledonia, etc.

49. Genus *Graptostethus* Stål, 1868

1868 *Graptostethus* Stål, Hem. Fabr., 1, p. 73.

64) *Graptostethus servus* (Fabricius, 1787)

Jap. name: Hime-madara-nagakamemushi.

- 1787 *Cimex servus* Fabricius, Mant., 2, p. 300.
 1904 *Graptostethus servus* Distant, Fauna Brit. India, Rhyn., 2, p. 8.
 1954 *Graptostethus servus* Hasegawa, Shin Konchū, 7 (9), p. 7 (Okinawa).

Food: *Ipomoea* spp.
Specimens examined: Okinaw-jima: 3 Exs., 5. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima.
Foreign distr.: Japan, Formosa, China, Burma, Ceylon, India, Australia, S. Africa, etc.

50. Genus *Oncopeltus* Stål, 1868

1868 *Oncopeltus* Stål, Hem. Fabr., 1, p. 75.

65) *Oncopeltus nigriceps* (Dallas, 1852)

Jap. name: Zuguro-nagakamemushi, Tsumaguro-beni-nagakamemushi.

- 1852 *Lygaeus nigriceps* Dallas, List Hem., 2, p. 537.
 1904 *Oncopeltus nigriceps* Distant, Fauna Brit. India, Rhyn., 2, p. 4.
 1905 *Oncopeltus nigriceps* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 26 (Okinawa).

- 1922 *Oncopeltus nigriceps* Esaki, Zool. Mag., 34 (410), p. 975 (Okinawa).
 1927 *Oncopeltus nigroceps* (sic) Sakaguchi, List Ins. Okinawa Is., p. 28.

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: Formosa (Kôtô-shô), India.

51. Genus **Caenocoris** Fieber, 1861

1861 *Caenocoris* Fieber, Eur. Hem., p. 44 et 166.

66) **Caenocoris marginatus** (Thunberg, 1822)

Jap. name: Kôshun-nagakamemushi.

- 1822 *Alydus marginatus* Thunberg, Hem. Rostr. Cap., 3, p. 3.
 1904 *Caenocoris marginatus* Distant, Fauna Brit. India, Rhyn., 2, p. 16.
 1913 *Lygaeus koshunensis* Matsumura, Thous. Ins. Japan, Addit., 1, p. 149, pl. 14, f. 12 (Formosa).
 1927 *Lygaeus koshunensis* Sakaguchi, List Ins. Okinawa Is., p. 27.

Food: Unknown.

Specimens examined: Ishigaki-jima: 1 Exs., 22. VII. 1933 (N. Senaha) (Specimens in Kyushu Univ.).

Local distr.: Okinawa (=? Okinawa-jima), Ishigaki-jima (hab. nov.).

Foreign distr.: Formosa, India, etc.

52. Genus **Nisius** Dallas, 1852

1852 *Nisius* Dallas, List Hem., 2, p. 331 et 551.

67) **Nisius** sp.

Jap. name:

Food: Unknown.

Specimens examined: Okinawa-jima: 1 Exs., 30. VII. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Unknown.

53. Genus **Altomarus** Distant, 1903

1903 *Altomarus* Distant, Ann. Mag. Nat. Hist. (7), 11, p. 72.

68) **Altomarus** sp.

Jap. name:

Food: Unknown.

Specimens examined: Okinawa-jima: 3 Exs., 20. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Unknown.

54. Genus **Cymus** Hahn, 1831

1831 *Cymus* Hahn, Wanz., 1, p. 76.

69) **Cymus tabaci** Matsumura, 1910

Jap. name:

- 1910 *Cymus tabaci* Matsumura, Schadl. U. Nutzl. Ins. Formosa, p. 24, t. 12, f. 11.
- 1910 *Cymus tabaci* Matsumura, Zeitschr. Wiss. Inseh., 6, p. 136.
- 1910 *Cymus tabaci* Shiraki, Extra-Rep. Agr. Exp. Stat. Formosa, (1), p. 84, t. 39, f. 6: 1. C. (8), 1913, p. 187 (Formosa).
- 1911 *Cymus tabaci* Matsumura, Mem. Soc. Ent. Belg., 18, p. 138.
- 1926 *Cymus tabaci* Esaki, Ann. Mus. Nat. Hung., 24, p. 160.

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 30. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Formosa.

55. Genus **Chauliops** Scott, 1874

1874 *Chauliops* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 427.

70) **Chauliops fallax** Scott, 1874

Jap. name: Medaka-nagakamemushi.

- 1874 *Chauliops fallax* Scott, Ann. Mag. Nat. Hist (4), 14, p. 428.
- 1896 *Chauliops fallax* Uhler, Proc. U. S. N. H. Mus., 19, p. 264.
- 1904 *Chauliops fallax* Distant, Fauna Brit. India, Rhyn., 2, p. 36, f. 24.
- 1932 *Chauliops fallax* Esaki, Iconogr. Ins. Jap., p. 1619, f. 3198 (Japan, Formosa).
- 1932 *Chauliops fallax* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
- 1952 *Chauliops fallax* Esaki, Iconogr. Ins. Jap., p. 222, f. 567.
- 1954 *Chauliops fallax* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 19 (Okinawa Is., Ishigaki Is., Iriomote Is.).

Food: Leguminosae—*Glycine max* Merrill (Daizu), *Phaseolus angularis* Wight. (Azuki), *Arachis hypogaea* L. (Nankin-mame), etc.

Specimens examined: Okinawa-jima: 2 Exs., 17. VIII. 1955 (T. Takara). Ishigaki-jima: 4 Exs., 5. IX. 1957 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima, Iriomote-jima.

Foreign distr.: Japan, Formosa, Ceylon, India, etc.

56. Genus *Ischnodemus* Fieber, 18361836 *Ischnodemus* Fieber, in Weit. Beitr., p. 337.71) *Ischnodemus saccharivorus* (Okajima, 1922)

Jap. name: Kansha-kobane-nagakamemushi, Kansho-kobane-kamemushi.

- 1922 *Blissus saccharivorus* Okajima, Trans. Soc. Agr. (Tokyo), (236), p. 364.
 1927 *Blissus* sp. Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1927 *Blissus saccharivorus* (sic) Sakaguchi, List Ins. Okinawa Is., p. 26.
 1932 *Ischnodemus saccharivorus* Esaki, Iconogr. Ins. Jap., p. 1622, f. 3204 (Ryukyu).
 1934 *Ischnodemus saccharivorus* Okajima, Trans. Soc. Agr. (Tokyo),
 1939 *Ischnodemus saccharivorus* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 103 (Ryukyu).
 1939 *Ischnodemus saccharivorus* Takano & Yanagiwara, Manual Formosa Ins. Injur. Sugarcane, p. 130 (Okinawa).
 1939 *Ischnodemus saccharivorus* Yashiro, Trans. Biogeogr. Soc. Japan, 3 (2), p. 207 (Okinawa-jima, Kume-jima, Miyako-jima).
 1940 *Ischnodemus saccharivorus* Yashiro, Agr. and Hort., 15 (12), p. 2427 (Okinawa-jima, Miyako-jima).
 1952 *Ischnodemus saccharivorus* Esaki, Iconogr. Ins. Jap., p. 224, f. 573 (Okinawa).
 1954 *Ischnodemus saccharivorus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 19 (Okinawa Is., Miyako Is., Ishigaki Is., Iriomote Is.).

Food: Gramineae—*Saccharum officinarum* L. et *Misanthus* sp.*Specimens examined*: Okinawa-jima: 10 Exs., 14. VI. 1955 (T. Takara). Miyako-jima: 10 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima: 10 Exs., 2. IX. 1957 (T. Takara).*Local distr.*: Okinawa-jima, Kume-jima, Izena-jima, Iheya-jima, Ie-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima, etc.*Foreign distr.*: Japan, Formosa.

The important injurious insect of the Sugar-cane in the Ryukyus. It comes out in a limited area, but rarely causes great damage because it is controlled by natural enemies.

57. Genus *Pachygrontha* Germar, 18371837 *Pachygrontha* Germar, in Silb. Rev. Ent., 5, p. 152.72) *Pachygrontha antennata antennata* (Uhler, 1860)

Jap. name: Higenaga-nagakamemushi, Higenaga-kamemushi.

- 1860 *Peliosoma antennata* Uhler, Acad. Sci. Philad. Proc., 12, p. 229.
 1874 *Pachygrontha antennata* Stål, Enum. Hem., 4, p. 141.
 1932 *Pachygrontha antennata* Esaki, Iconogr. Ins. Jap., p. 1624, f. 3207.
 1932 *Pachygrontha antennata* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
 1955 *Pachygrontha antennata antennata* Slater, Philippine Journ. Sci., p. 72.

Food: Gramineae?*No specimens examined.**Local distr.*: Okinawa-jima.*Foreign distr.*: Japan, China.

73) **Pachygrontha nigrovittata** Stål, 1870

Jap. name:

- 1870 *Pachygrontha nigrovittata* Stål, Öfv. Vet. Akad. Forh., p. 662.
 1894 *Pachygrontha nigrovittata* Lethierry & Severin, Gen. Cat. Hem., 2, p. 181.
 1904 *Pachygrontha nigrovittata* Distant, Fauna Brit. India, Rhyn., 2, p. 41.
 1910 *Pachygrontha nigrovittata* Distant, Philip. Jour. Sci., 5, p. 59.
 1924 *Pachygrontha obliquans* Bergroth, Zeit. Wissenschaft. Insekten Biol., 3, p. 37.
 1955 *Pachygrontha nigrovittata* Slater, Philip. Jour. Sci., 84 (1), p. 54-56.

Food: Unknown.*Specimens examined*: Okinawa-jima: 1 Exs., 2. VI. 1955 (S. Higashihirachi).*Local distr.*: Okinawa-jima (hab. nov.?)*Foreign distr.*: Formosa, Philippines, Hainan Is., Hong Kong (China), Malay States, Ceylon, India.74) **Pachygrontha bipunctata** Stål, 1865

Jap. name: Minami-higenagakamemushi.

- 1865 *Pachygrontha bipunctata* Stål, Hem. Afr., 2, p. 149.
 1870 *Pachygrontha tabida* Stål, Öfv.-Ak. Forh., 27, p. 662.
 1874 *Pachygrontha bipunctata* Stål, En. Hem., 4, p. 140.
 1904 *Pachygrontha tabida* Distant, Fauna Brit. India, Rhyn., 2, p. 42.
 1904 *Pachygrontha dixoni* Distant, Fauna Brit. India, Rhyn., 2, p. 42.
 1918 *Pachygrontha cruenta* Bergroth, Philip. Jour. Sci., 13, p. 71-72.
 1955 *Pachygrontha bipunctata* Slater, Philip. Jour. Sci., 84 (1), p. 64-66 (Okinawa)

Food: Unknown.*Specimens examined*: Tokashiki-jima: 2 Exs., 15. VIII. 1955 (T. Takara).*Local distr.*: Okinawa-jima, Tokashiki-jima (hab. nov.).*Foreign distr.*: Japan, Philippines, Borneo, Ceylon, India, Belgian Congo, E. Tanganyika, Mozambique.58. Genus **Paromius** Fieber, 18611861 *Paromius* Fieber, Eur. Hem., p. 45 et 170.75) **Paromius seychellesus** (Walker, 1872)

Jap. name: Hoso-nagakamemushi.

- 1872 *Plochiomerus seychellesus* Walker, Cat. Het., 5, p. 120.
 1883 *Pamera ejuncida* Distant, Trans. Ent. Soc. London, p. 433, pl. 20, f. 3.
 1904 *Paromius seychellesus* Distant, Fauna Brit. India, Rhyn., 2, p. 50.
 1940 *Paromius ejuncidus* Ishihara, Ent. World, 8 (76), p. 371 (N. Daitō-jima).
 1952 *Paromius seychellesus* Esaki, Iconogr. Ins. Jap., p. 226, f. 581.

Food: Unknown.*Specimens examined*: Okinawa-jima: 5 Exs., 10. X. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.), N. Daitô-jima.
Foreign distr.: Japan, Formosa, Burma, Ceylon, etc.

59. Genus **Pachybrachius** Hahn, 1875

1875 *Pachybrachius* Hahn, Wanz. Ins., p. 125.

76) **Pachybrachius nietneri** (Dohrn, 1860)

Jap. name: Monkuro-nagakamemushi, Monkuro-gaida.

- 1860 *Plociomerus nietneri* Dohrn, Stett. Ent. Zeit., 21, p. 404.
 1904 *Pamera nietneri* Distant, Fauna Brit. India, Rhyn., 2, p. 53.
 1913 *Pamera nietneri* Matsumura, Thous. Ins. Japan, Aedit., 1, p. 147 (Okinawa).
 1915 *Pamera nietneri* Esaki, Ins. World, 19 (217), p. 352 (Ryukyu).
 1927 *Pamera nietneri* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1930 *Pamera nietneri* Matsumura, Illust. Thous. Ins. Japan, 1, p. 172 (Okinawa).
 1931 *Pamera nietneri* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1199 (Okinawa).
 1932 *Pamera nietneri* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).
 1933 *Pamera nietneri* Kato, Colour Illust. Ins. Japan, 5, pl. 29, f. 10 (Ryukyu).

Food: Unknown.

Specimens examined: Okinawa-jima: 3 Exs., 2. VI. 1955 (S. Higashihirachi).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Korea, Formosa, China, India, etc.

77) **Pachybrachius scotti** Distant, 1901

Jap. name: Scott-hyôtan-nagakamemushi.

- 1901 *Pamera scotti* Distant, Ann. Mag. Nat. Hist. (7), 8, p. 479.
 1904 *Pamera scotti* Distant, Fauna Brit. India, Rhyn., 2, p. 54.
 1954 *Pachybrachius scotti* Hasegawa, Shin Konchû, 7 (9), p. 9.

Food: Unknown.

Specimens examined: Okinawa-jima: 3 Exs., 5. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan, Formosa, Burma, Ceylon, Assam, etc.

78) **Pachybrachius pallicornis** (Dallas, 1852)

Jap. name: Yotsuboshi-nagakamemushi, Yotsuboshi-gaida,
 Yotsuboshi-hyôtan-nagakamemushi.

- 1852 *Rhyparochromus pallicornis* Dallas, List Hem., 2, p. 573.
 1860 *Plociomerus discoguttatus* Dohrn, Stett. Ent. Zeit., 21, p. 404.
 1872 *Rhyparochromus delineatus* Walker, Cat. Het., 5, p. 103.
 1904 *Pamera pallicornis* Distant, Fauna Brit. India, Rhyn., 2, p. 52.
 1913 *Pamera pallicornis* Matsumura, Thous. Ins. Japan, Addit., 1, p. 146 (Okinawa).
 1915 *Pamera pallicornis* Esaki, Ins. World, 19 (217), p. 352 (Ryukyu).

- 1927 *Pamera pallicornis* Yashiro, List Ins. Roo-choo Is., p. 11 (Okinawa).
 1927 *Pamera pallicornis* Sakaguchi, List Ins. Okinawa Is., p. 28.
 1930 *Pamera pallicornis* Matsumura, Illust. Thous. Ins. Japan, 1, p. 171 (Okinawa).
 1931 *Pamera pallicornis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1200 (Okinawa).
 1954 *Pachybrachius pallicornis* Hasegawa, Shin Konchū, 7 (9), p. 9.

Food: Unknown.

Specimens examined: Okinawa-jima: 4 Exs., 30. VII. 1955 (T. Takara).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Korea, Formosa, Philippines, Burma, Ceylon, India, etc.

79) **Pachybrachius rusticus** (Scott, 1874)

Jap. name: Sabi-hyōtan-nagakamemushi, Sabi-nagakamemushi.

- 1874 *Diplonotus rusticus* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 26.
 1883 *Pamera rusticus* Distant, Trans. Ent. Soc. London, 4, p. 435.
 1952 *Pamera rustica* Esaki, Iconogr. Ins. Jap., p. 227, f. 582 (Japan).
 1954 *Pachybrachius rusticus* Hasegawa, Shin Konchū, 7 (9), p. 9.

Food: Unknown.

Specimes examined: Okinawa-jima: 2 Exs., 20. X. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan.

80) **Pachybrachius geniculatus** (Motschulsky, 1863)

Jap. name:

- 1863 *Plociomerus geniculatus* Motschulsky, Bull. Soc. Mosc., p. 81.
 1904 *Pamera geniculata* Distant, Fauna Brit. India, Rhyn., 2, p. 54.

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 5. VIII. 1955 (T. Takara). Ishigaki-jima: 5 Exs., 29. VIII. 1956 (S. Higashihirachi).

Local distr.: Okinawa-jima (hab. nov.), Ishigaki-jima (hab. nov.).

Foreign distr.: Burma, Ceylon.

81) **Pachybrachius** sp.

Jap. name:

Food: Unknown.

Specimens examined: Okinawa-jima: 1 Exs., 2. VI. 1955 (S. Higashihirachi).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Unknown.

60. Genus **Aphanus** Laporte, 18321832 *Aphanus* Laporte, Ess. Hem., p. 35.82) **Aphanus fallaciosus** Matsumura, 1905

Jap. name: Okinawa-nagakamemushi.

1905 *Aphanus fallaciosus* (Jap. name: Okinawa-gaida) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 26 et 34, pl. 1, f. 10 (Okinawa).

1931 *Aphanus fallaciosus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1197, f. 106 (Okinawa).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: No record.

83) **Aphanus** sp.

Jap. name:

Food: Unknown.

Specimens examined: Ishigaki-jima: 2 Exs., 6. IX. 1955 (T. Takara).

Local distr.: Ishigaki-jima (hab. nov.).

Foreign distr.: Unknown.

61. Genus **Lethaeus** Dallas, 18521852 *Lethaeus* Dallas, List Hem., 2, p. 532 et 557.84) **Lethaeus** sp.

Jap. name:

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 3. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Unknown.

62. Genus **Dieuches** Dohrn, 18601860 *Dieuches* Dohrn, Stett. Ent. Zeit., 21, p. 159.85) **Dieuches uniformis** Distant, 1904

Jap. name:

1904 *Dieuches uniformis* Distant, Fauna Brit. India, Rhyn., 2, p. 84.

Food: Unknown.

Specimens examined: Okinawa-jima: 4 Exs., 20. VI. 1955 (T.

Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: India.

63. Genus **Metochus** Scott, 1874

1874 *Metochus* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 433.

86) **Metochus abbreviatus** Scott, 1874

Jap. name: Ô-monshiro-nagakamemushi.

(Pl. II, fig. 16)

1874 *Metochus abbreviatus* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 30.

1879 *Dieuches abbreviatus* Horváth, Terme. Fuzet., 3, p.

1952 *Metochus abbreviatus* Esaki, Iconogr. Ins. Jap., p. 228, f. 587 (Japan).

Food: Leguminosae—*Arachis hypogaea* L. (Nankin-mame).

Specimens examined: Ishigaki-jima: 3 Exs., 20. VIII. 1956 (T. Takara).

Local distr.: Ishigaki-jima (hab. nov.).

Foreign distr.: Japan, Formosa, etc.

64. Genus **Gastrodes** Westwood, 1840

1840 *Gastrodes* Westwood, Medclassif. 2, Syn. Gen., p. 122.

87) **Gastrodes japonicus** (Stål, 1874)

Jap. name: Hirata-nagakamemushi.

1874 *Platygaster japonicus* Stål, En. Hem., 5, p. 164.

1874 *Platygaster ferrugineus* Scott, Ann. Mag. Nat. Hist. (4), 14, p. -

1883 *Gastrodes japonicus* Distant, Trans. Ent. Soc., p. 440.

1932 *Gastrodes japonicus* Esaki, Iconogr. Ins. Jap., p. 1626, f. 3211.

1932 *Gastrodes japonicus* Asahina, Mushi, 5 (2), p. 108 (Okinawa-jima).

1952 *Gastrodes japonicus* Esaki, Iconogr. Ins. Jap., p. 230, f. 591 (Japan).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima.

Foreign distr.: Japan.

VI. Family PYRRHOCORIDAE Fieber, 1816

Jap. name: Hoshi-kamemushi-ka.

65. Genus **Physopelta** Amyot & Serville, 1843

1843 *Physopelta* Amyot & Serville, Hem., p. 271.

88) **Physopelta gutta** (Burmeister, 1834)

Jap. name: Ô-hoshikamemushi.

1834 *Pyrrhocoris gutta* Burmeister, Nov. Acad. Leop. Suppl., p. 300.

1904 *Physopelta gutta* Distant, Fauna Brit. India, Rhyn., 2, p. 97.

- 1913 *Physopelta gutta* Matsumura, Thous. Ins. Japan, Addit., 1, p. 149 (Okinawa).
 1920 *Physopelta gutta* Matsumura, Manual Jap. Injur. Ins., p. 384 (Okinawa).
 1927 *Physopelta gutta* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).
 1927 *Phyopelta* (sic) *gutta* Sakaguchi, List Ins. Okinawa Is., p. 28.
 1930 *Physopelta gutta* Matsumura, Illust. Thous. Ins. Japan, 1, p. 174 (Okinawa).
 1931 *Physopelta gutta* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1201 (Okinawa).
 1932 *Physopelta gutta* Matsumura, Illust. Common Ins. Japan, 4, p. 91 (Okinawa).
 1932 *Physopelta gutta* Esaki, Iconogr. Ins. Jap., p. 1627, f. 3213 (Japan, Formosa).
 1932 *Physopelta gutta* Matsumura, Conspec. Jap. Injur. Ins., p. 326 (Okinawa).
 1952 *Physopelta gutta* Esaki, Iconogr. Ins. Jap., p. 230, f. 592.

Food: Euphorbiaceae—*Bischofia javanica* Blume (Akagi).

Specimens examined: Okinawa-jima: 4 Exs., 20. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Formosa, China, Philippines, Indo-china, Malay, Borneo, Sumatra, Java, Burma, Ceylon, India, Australia, etc.

89) ***Physopelta cincticollis* Stål, 1863**

Jap. name: Hime-hoshikamemushi.

- 1863 *Physopelta cincticollis* Stål, Berl. Ent. Zeit., 7, p. 392.
 1904 *Physopelta cincticollis* Distant, Fauna Brit. India, Rhyn., 2, p. 98.
 1932 *Physopelta cincticollis* Esaki, Iconogr. Ins. Jap., p. 1627, f. 3214.
 1932 *Physopelta cincticollis* Asahina, Mushi, 5 (2), p. 109 (Okinawa-jima).
 1933 *Physopelta cincticollis* Takezaki, Shizen to Shumi, 8 (1), p. 3 (N. Daitō-jima).
 1940 *Physopelta cincticollis* Ishihara, Ent. World, 8 (76), p. 372 (N. Daitō-jima).
 1952 *Physopelta cincticollis* Esaki, Iconogr. Ins. Jap., p. 230, f. 593.

Food: Unknown.

Specimens examined: Ishigaki-jima: 3 Exs., 10. III. 1955 (S. Higashihirachi).

Local distr.: Okinawa-jima, N. Daitō-jima, Ishigaki-jima (hab. nov.).

Foreign distr.: Japan, Formosa, India, etc.

66. Genus ***Dysdercus* Amyot & Serville, 1843**

1843 *Dysdercus* Amyot & Serville, Hem., p. 272.

90) ***Dysdercus philippinus* Herrich-Schäffer, 1850**

Jap. name: Shiro-jūji-kamemushi.

(Pl. II, fig. 17)

- 1850 *Dysdercus philippinus* Herrich-Schäffer, Wanz. Ins., 9, p. 176, tab. 317, f. 980.
 1905 *Physopelta albofasciata* (Jap. name: Shiro-jūji-kamemushi) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 26 (Okinawa).
 1907 *Physopelta albofasciata* Matsumura, Syst. Ins., p. 152 (Ryukyu).
 1913 *Dysdercus crucifer* Matsumura, Thous. Ins. Japan, Addit., 1, p. 151, pl. 14, f. 15 (Riukiu).
 1927 *Dysdercus crucifer* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).
 1927 *Dysdercus crucifer* Sakaguchi, List Ins. Okinawa Is., p. 26.

- 1930 *Dysdercus crucifer* Matsumura, Illust. Thous. Ins. Japan, 1, p. 175 (Okinawa).
 1931 *Dysdercus crucifer* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1201 (Okinawa).
 1932 *Dysdercus crucifer* Esaki, Iconogr. Ins. Jap., p. 1628 (Ryukyu).
 1932 *Dysdercus crucifer* Matsumura, Illust. Common Ins. Japan, 4, p. 93 (Okinawa).
 1933 *Dysdercus crucifer* Katô, Colour Illust. Ins. Japan, 5, pl. 19, f. 4 (Ryukyu).
 1937 *Dysdercus philippinus* Esaki, Kontyû, 11 (1-2), p. 167 (Ryukyu).
 1952 *Dysdercus philippinus* Esaki, Iconogr. Ins. Jap., p. 231, f. 595 (Ryukyu).
 1954 Shiro-jûji-kamemushi Shiraki, Shin Konchû, 7 (4), p. 46 (Iriomote-jima).
 1954 Shiro-jûji-kamemushi Shiraki, Shin Konchû, 7 (6), p. 34 et 36 (Miyako-jima, Ishigaki-jima).

Food: Malvaceae—*Thespesia populnea* Soland. (Sakishima-hama-bô), *Paritium tiliaefolium* (Salisb.) (Ô-hamabô), *Hibiscus rosa-sinensis* L. (Bussoge), etc.

Specimens examined: Okinawa-jima: 2 Exs., 20. VI. 1955 (T. Takara). Miyako-jima: 3 Exs., 26. VIII. 1957 (T. Takara). Ishigaki-jima: 7 Exs., 20. VIII. 1956 (T. Takara). Iriomote-jima: 2 Exs., 20. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Tokashiki-jima, Kume-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima, Yonaguni-jima.

Foreign distr.: Japan, Formosa, Philippines, Malay, Mariana Is., Oriental tropics.

91) *Dysdercus megalopygus* Breddin, 1909

Jap. name: Aka-hoshikamemushi.

- 1905 *Dysdercus cingulatus* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 27 (Okinawa).
 1909 *Dysdercus megalopygus* Breddin, Ann. Soc. Ent. Belg., 53, p. 300.
 1913 *Dysdercus cingulatus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 150 (Okinawa).
 1920 *Dysdercus cingulatus* Matsumura, Manual Jap. Injur. Ins., p. 385 (Okinawa).
 1927 *Dysdercus cingulatus* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).
 1927 *Dysderca cingulatus* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1930 *Dysdercus cingulatus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 175 (Okinawa).
 1931 *Dysdercus cingulatus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 120 (Okinawa).
 1932 *Dysdercus cingulatus* Matsumura, Conspec. Jap. Injur. Ins., p. 326 (Okinawa).
 1932 *Dysdercus megalopygus* Esaki, Iconogr. Ins. Jap., p. 1629, f. 3217 (Ryukyu).
 1932 *Dysdercus cingulatus* Matsumura, Illust. Common Ins. Japan, 4, p. 92 (Okinawa).
 1933 *Dysdercus megalopygus* Hirayama, Illust. Thous. Ins. Nat. Colour, pl. 92, f. 10 (Ryukyu).
 1933 *Dysdercus megalopygus* Kato, Colour Illust. Ins. Japan, 5, pl. 19, f. 7 (Ryukyu).
 1934 *Dysdercus magalopygus* Esaki, Ins. Injur. Crop. Pac. Is., p. 85 (Ryukyu).
 1937 *Dysdercus megalopygus* Esaki, Kontyû, 11 (1-2), p. 166 (Ryukyu).
 1937 *Dysdercus megalopygus* Hirayama, Sequel Illust. Thous. Ins. Nat. Colour, pl. 82, f. 9 (Ryukyu).
 1939 *Dysdercus megalopygus* Takano & Yanagiwara, Manual Formosan Ins. Injur. Sugar-cane, p. 129 (Okinawa).
 1940 *Dysdercus megalopygus* Yashiro, Agr. and Hort., 15 (12), p. 2430 (All Ryukyu).
 1943 *Dysdercus megalopygus* Miwa, List Injur. Ins. Formosa, p. 69 (Okinawa).
 1954 Aka-hoshikamemushi Shiraki, Shin Konchû, 7 (4), p. 46 (Iriomote-jima).
 1954 *Dysdercus megalopygus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 19 (Okinawa Is., Ishigaki Is., Iriomote Is.).

- 1954 Aka-hoshikamemushi Shiraki, Shin Konchū, 7 (6), p. 34 et 36 (Ishigaki-jima, Miyako-jima).
 1955 Aka-hoshikamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Malvaceae—*Hibiscus rosa-sinensis* L. (Bussoge), *Hibiscus syriacus* L. (Mukuge), *Paritium tiliaefolium* (Salisb.) (Ô-hamabô), *Abelmoschus esculenta* (L.) (Okura), *Gossypium indicum* Lam. (Wata), etc.

Specimens examined: Okinawa-jima: 3 Exs., 1. V. 1955 (T. Takara). Miyako-jima: 2 Exs., 27. VIII. 1957 (T. Takara). Ishigaki-jima: 10 Exs., 20. VIII. 1956 (T. Takara). Iriomote-jima: 2 Exs., 20. IX. 1955 (T. Takara). Yonaguni-jima: 3 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: All Ryukyu Is.

Foreign distr.: Formosa, China, Philippines, Malay, India, etc.

We can find this species all the year round in Yaeyama Islands and it is the important injurious insect of the Okura in the Ryukyus.

92) *Dysdercus poecilus* (Herrich-Schäffer, 1844)

Jap. name: Hime-aka-hoshikamemushi.

- 1844 *Pyrrhocoris poecilus* Herrich-Schäffer, Wanz. Ins., 7, p. 17, t. 223, f. 699.
 1914 *Dysdercus poecilus* Bergroth, Ent. Mitt., 3, p. 356.
 1932 *Dysdercus poecilus* Esaki, Iconogr. Ins. Jap., p. 1629, f. 3218 (Formosa).
 1932 *Dysdercus poecilus* Asahina, Mushi, 5 (2), p. 109 (Okinawa-jima).
 1954 *Dysdercus poecilus* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 19 (Ishigaki Is.).
 1955 Hime-aka-hoshikamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Malvaceae—*Abelmoschus esculenta* (L.) (Okura), *Hibiscus rosa-sinensis* L. (Bussoge), etc.

Specimens examined: Okinawa-jima: 2 Exs., 17. VIII. 1955 (T. Takara). Ishigaki-jima: 2 Exs., 6. IX. 1955 (T. Takara). Iriomote-jima: 2 Exs., 20. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima, Iriomote-jima (hab. nov.?).

Foreign distr.: Formosa, S. China, Philippines, Borneo, Java, Burma, India, etc.

VII. Family TINGIDAE Laporte, 1832

Jap. name: Gunbaimushi-ka.

67. Genus *Stephanitis* Stål, 1873

- 1873 *Stephanitis* Stål, En. Hem., 3, p. 119, 123.

93) *Stephanitis pyrioides* Scott, 1874

Jap. name: Tsutsuji-gunbaimushi.

- 1874 *Tingis pyrioides* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 289, 440.
 1931 *Stephanitis pyrioides* Esaki & Takeya, Mushi, 4, p. 53, t. 4-6, f. 4.
 1932 *Stephanitis pyrioides* Esaki, Iconogr. Ins. Jap., p. 1135, f. 3230.

- 1951 *Stephanitis pyrioides* Takeya, Kurume Univ. Jour. (Nat. Sci.), 4 (1), p. 12.
 1954 *Stephanitis pyrioides* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Okinawa Is., Ishigaki Is.).

Food: Ericaceae—*Rhododendron scabrum* var. *rawsonii* Nakai (Kerama-tsutsuji), *Rhododendron* sp.

Specimens examined: Okinawa-jima: 10 Exs., 5. V. 1957 (T. Takara). Ishigaki-jima: 5 Exs., 2. IX. 1957 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima.

Foreign distr.: Japan, Formosa.

94) *Stephanitis typica* Distant, 1903

Jap. name: Getto-gunbaimushi, Banana-gunbaimushi.

- 1903 *Stephanitis typica* Distant, Ann. Soc., Ent. Belg., 47, p. 47.
 1951 *Stephanitis typica* Takeya, Kurume Univ. Jour. (Nat. Sci.), 4 (1), p. 8.
 1954 *Stephanitis typica* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Iriomote Is.).

Food: Zingiberaceae—*Alpinia speciosa* (Wendl.) (Getto).

Specimens examined: Okinawa-jima: 10 Exs., 15. IX. 1957 (T. Takara). Ishigaki-jima: 10 Exs., 2. IX. 1957 (T. Takara). Iriomote-jima: 10 Exs., 20. IX. 1955 (T. Takara). Miyako-jima: 5 Exs., 26. VIII. 1957 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.), Miyako-jima (hab. nov.), Ishigaki-jima (hab. nov.), Iriomote-jima.

Foreign distr.: Japan, Formosa, China, Philippines, Java, Ceylon, India, etc.

68. Genus *Monanthia* Le Peletier & Serville, 1825

1825 *Monanthia* Le Peletier & Serville, Encycl. Méth., 10, p. 653.

95) *Monanthia formosa* Drake, 1923

Jap. name: Chishanoki-gunbai.

- 1923 *Monanthia formosa* Drake, Ohio Jour. Sci., 23, p. 102-103 (Formosa).
 1926 *Monanthia formosa* Esaki, Ann. Mus. Nat. Hung., 24, p. 163 (Formosa).
 1927 *Monanthia formosa* Drake, Phil. Jour. Sci., 32, p. 53 (Philippines).
 1951 *Monanthia formosa* Takeya, Kurume Univ. Jour. (Nat. Sci.), 4, p. 22 (Formosa).
 1953 *Monanthia formosa* Takeya, Kurume Univ. Jour. (Nat. Sci.), 5 (1), p. 4-7 (Kyushu).

Food: Borraginaceae—*Ehretia dicksoni* var. *liukiuensis* Nakai (Maruba-chishanoki), *Ehretia* sp.

Specimens examined: Okinawa-jima: 10 Exs., 16. VII. 1957 (T. Takara). Ishigaki-jima: 5 Exs., 5. IX. 1957 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.), Ishigaki-jima (hab. nov.).

Foreign distr.: Japan, Formosa, Philippines.

VIII. Family MESOVELIIDAE Handlirsch, 1908

Jap. name: Mizu-kamemushi-ka.

69. Genus **Mesovelia** Mulsant & Rey, 18521852 *Mesovelia* Mulsant & Rey, Ann. Soc. Linn. Lyon, p. 138.96) **Mesovelia orientalis** Kirkaldy, 1900

Jap. name: Mizu-kamemushi.

- 1900 *Mesovelia orientalis* Kirkaldy, Ann. Mus. Civ. Gen., 11, p. 808.
 1904 *Mesovelia mulsanti* Distant, Fauna Brit. India, Rhyn., 2, p. 169, f. 122.
 1905 *Mesovelia orientalis* Breddin, Mitt. Nat. Mus. Hamburg, 22, p. 129.
 1915 *Mesovelia vittigera* Horváth, Ann. Mus. Nat. Hung., 18, p. 551.
 1924 *Mesovelia orientalis* Horváth, Ann. Mus. Nat. Hung., 21, p. 135.
 1932 *Mesovelia orientalis* Esaki, Iconogr. Ins. Jap., p. 1638, f. 3236 (Japan, Formosa).
 1952 *Mesovelia orientalis* Esaki, Iconogr. Ins. Jap., p. 238, f. 617 (Japan, Formosa).

Food: Unknown.

Specimens examined: Okinawa-jima: 5 Exs., 3. VIII. 1953 (T. Takara). Miyako-jima: 10 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima: 6 Exs., 5. IX. 1957 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.?), Miyako-jima (hab. nov.), Ishigaki-jima (hab. nov.).

Foreign distr.: Japan, Formosa, Malay, India, etc.

IX. Family HYDROMETRIDAE Lethierry & Severin, 1896

Jap. name: Ito-amenbo-ka.

70. Genus **Hydrometra** Latreille, 17961796 *Hydrometra* Latreille, Precis des Caract. Gen. Ins., p. 86.97) **Hydrometra albolineata** (Scott, 1874)

Jap. name: Ito-amenbo.

- 1874 *Limnobates albolineatus* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 447.
 1904 *Hydrometra vittata* Distant, Fauna Brit. India, Rhyn., 2, p. 170.
 1904 *Hydrometra (Limnobates) vittata* Matsumura, Thous. Ins. Jap., 1, p. 185, t. 14, f. 11.
 1932 *Hydrometra albolineata* Esaki, Iconogr. Ins. Jap., p. 1639, f. 3238.
 1939 *Hydrometra albolineata* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 100 (Ryukyu).
 1952 *Hydrometra albolineata* Esaki, Iconogr. Ins. Jap., p. 239, f. 619.

Food: Unknown.

Specimens examined: Okinawa-jima: 10 Exs., 1. VI. 1955 (T. Takara). Kume-jima: 9 Exs., 6. III. 1957 (T. Takara). Miyako-jima: 3 Exs., 28. VIII. 1957 (T. Takara). Ishigaki-jima: 8 Exs., 20. VIII. 1956 (T. Takara). Iriomote-jima: 3 Exs., 10. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Tokashiki-jima, Zamami-jima, Tonaki-jima, Kume-jima, Miyako-jima, Ishigaki-jima, Iriomote-jima, etc.

Foreign distr.: Japan, Korea, Formosa, China, Burma, Ceylon, India, etc.

We can find this species in the rice paddy field all the year round.

X. Family VELIIDAE Dohrn, 1859

Jap. name: Katabiro-amenbo-ka.

71. Genus **Rhagovelia** Mayr, 1865

1865 *Rhagovelia* Mayr, Verh. Zool.-Bot. Ges. Wien., p. 445.

98) **Rhagovelia esakii** Lundbled, 1937

Jap. name: Esaki-katabiro-amenbo.

1937 *Rhagovelia esakii* Lundbled, Sar. Ent. Tidsa., Haft. 1-2, p. 3, t. 2, text f. 2 (Ishigaki-jima).

Food: Unknown.

No specimens examined.

Local distr.: Ishigaki-jima.

Foreign distr.: Unknown.

XI. Family GERRIDAE Leach, 1815

Jap. name: Amenbo-ka.

72. Genus **Halovelia** Bergroth, 1893

1893 *Halovelia* Bergroth, Ent. Month. Mag., (2), 4, p. 277.

99) **Halovelia septentrionalis** Esaki, 1926

Jap. name: Keshi-umiamenbo.

1907 *Metrocoris* sp. Yano, Hakubutsu no Tomo, 7, p. 289.

1924 *Halovelia maritima* Esaki, Bull. Brooklyn Ent. Soc., 19 (2), p. 30.

1926 *Halovelia septentrionalis* Esaki, Ann. Mus. Nat. Hungarici, 23, p. 162, f. 12, f.

1932 *Halovelia septentrionalis* Esaki, Iconogr. Ins. Jap., p. 1642, f. 3243.

1933 *Halovelia septentrionalis* Esaki, Bot. and Zool., 1 (6), p. 782 (Okinawa-jima).

1934 *Halovelia septentrionalis* Esaki, Ent. World, 2 (11), p. 548 (Ishigaki-jima, Iriomote-jima, Yonaguni-jima).

1935 *Halovelia septentrionalis* Esaki, Zool. Mag., 47 (557), p. 140 (Yaeyama Is.).

1952 *Halovelia septentrionalis* Esaki, Iconogr. Ins. Jap., p. 240, f. 622 (Ryukyu).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima, Ishigaki-jima, Iriomote-jima, Yonaguni-jima.

Foreign distr.: Japan, Formosa, etc.

73. Genus **Halobates** Eschscholtz, 18221822 *Halobates* Eschscholtz, Entomographien, p. 102.100) **Halobates princeps** B. White, 1883

Jap. name: Shiro-umiamenbo.

- 1883 *Halobates princeps* B. White, Rep. Voy. "Challenger," Zool., 7, pt. 19, p. 39 et 44, pl. 1, f. 3.
 1893 *Halobates alluaudi* Bergroth, Rev. d'Ent., 12, p. 204.
 1905 *Halobates sericeus* (Jap. name: Umi-amenbo) Matsumura, Trans. Sapporo Nat. Hist. Soc, 1 (1), p. 27 (Okinawa).
 1913 *Halobates sericus* (sic) Matsumura, Thous. Ins. Japan, Addit., 1, p. 97 (Okinawa).
 1924 *Halobates matsumurai* Esaki, Psyche, 31, p. 117.
 1926 *Halobates alluaudi* Esaki, Ann. Mus. Nat. Hung., 28, p. 133.
 1928 *Halobates princeps* Esaki, Ins. Samoa, 2, Hem., p. 74.
 1930 *Halobates sericeus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 76 (Okinawa).
 1931 *Halobates sericeus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1204 (Okinawa).
 1932 *Halobates sericeus* Matsumura, Illust. Common Ins. Japan, 4, p. 96 (Okinawa).
 1932 *Halobates princeps* Esaki, Iconogr. Ins. Jap., p. 1642, f. 3244.
 1952 *Halobates princeps* Esaki, Iconogr. Ins. Jap., p. 241, f. 624.

Food: Unknown.*No specimens examined.**Local distr.:* Okinawa (=? Okinawa-jima).*Foreign distr.:* Japan, Korea, Formosa, India, etc.101) **Halobates japonicus** Esaki, 1924

Jap. name: Umi-amenbo.

- 1924 *Halobates japonicus* Esaki, Psyche, 31, p. 115, t. 5, f. B (Japan).
 1932 *Halobates japonicus* Esaki, Iconogr. Ins. Jap., p. 1643, f. 3245.
 1935 *Halobates japonicus* Esaki, Zool. Mag., 47 (557), p. 140 (Ishigaki-jima, Iriomote-jima).
 1939 *Halobates japonicus* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 99 (Ryukyu).
 1952 *Halobates japonicus* Esaki, Iconogr. Ins. Jap., p. 241, f. 625 (Ryukyu).

Food: Unknown.*No specimens examined.**Local distr.:* Ishigaki-jima, Iriomote-jima.*Foreign distr.:* Japan.74. Genus **Metrocoris** Mayr, 18651865 *Metrocoris* Mayr, Verh. Zool.-Bot. Gesel., Wien, 15, p. 445.102) **Metrocoris lituratus** (Stål, 1854)

Jap. name: Taiwan-shima-amenbo.

- 1854 *Halobates lituratus* Stål, Öfv. Vet. Akad. Forh., 11, p. 238.
 1866 *Halobates lituratus* Mayr, Nonara Expéd. Zool., 2, p. 177.

- 1883 *Halobates lituratus* B. White, "Challenger" Rep. Zool., 7, pt. 19, p. 64.
 1925 *Metrocoris brevis* Esaki, Philip. Jour. Sci., 26, p. 61.
 1926 *Metrocoris lituratus* Esaki, Ann. Mus. Nat. Hung., 23, p. 124.
 1932 *Metrocoris lituratus* Esaki, Iconogr. Ins. Jap., p. 1644, f. 3247 (Yaeyama).
 1937 *Metrocoris lituratus* Miyadi, Bot. and Zool., 5 (11), p. 1996 (Iriomote-jima).

Food: Unknown.

Specimens examined: Okinawa-jima: 8 Exs., 15. VIII. 1957 (T. Takara). Ishigaki-jima: 10 Exs., 2. IX. 1957 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.) Ishigaki-jima, Iriomote-jima.

Foreign distr.: Formosa, China, etc.

75. Genus *Limnogonus* Stål, 1868

1868 *Limnogonus* Stål, Gen. Hem. Fabr., 1, p. 132 (Subgen.).

103) *Limnogonus fossarum* (Fabricius, 1775)

Jap. name: Sesuji-amenbo.

- 1775 *Cimex fossarum* Fabricius, Ent. Syst., p. 727.
 1868 *Limnogonus fossarum* Stål, Hem. Fabr., 1, p. 133.
 1904 *Gerris fossarum* Distant, Fauna Brit. India, Rhyn., 2, p. 178.
 1925 *Tenagogonus okinawanus* Esaki, Philip. Jour. Sci., 26 (1), p. 59, pl. 1, f. 5-6 (Okinawa-jima).
 1932 *Limnogonus fossarum* Esaki, Iconogr. Ins. Jap., p. 1646, f. 3252 (Ryukyu).
 1932 *Limnogonus fossarum* Asahina, Mushi, 5 (2), p. 109 (Okinawa-jima).
 1954 Sesuji-amenbo Shiraki, Shin Konchū, 7 (6), p. 34 (Ishigaki-jima).

Food: Unknown.

Specimens examined: Okinawa-jima: 10 Exs., 5. VIII. 1953 (T. Takara). Ishigaki-jima: 5 Exs., 20. VIII. 1956 (T. Takara).

Local distr.: Okinawa-jima, Ishigaki-jima.

Foreign distr.: Formosa, S. China, Philippines, Malay, Java, Oriental tropics, Australia.

76. Genus *Gerris* Fabricius, 1794

1794 *Gerris* Fabricius, Ent. Syst., 4, p. 187.

104) *Gerris gracilicornis* (Horváth, 1879)

Jap. name: Ko-seaka-amenbo.

- 1879 *Limnotrechus gracilicornis* Horváth, Ann. Soc. Ent. Belg., 22, p. 109.
 1903 *Gerris selma* Kirkaldy, Entomologist, 36, p. 181.
 1904 *Gerris gracilicornis* Distant, Fauna Brit. India, Rhyn., 2, p. 178.
 1932 *Gerris gracilicornis* Esaki, Iconogr. Ins. Jap., p. 1647, f. 3253.
 1937 *Gerris gracilicornis* Miyadi, Bot. and Zool., 5 (11), p. 1996 et 1999 (Okinawa-jima, Iriomote-jima).
 1939 *Gerris gracilicornis* Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 99 (Ryukyu).
 1952 *Gerris gracilicornis* Esaki, Iconogr. Ins. Jap., p. 242, f. 628.

1954 *Gerris gracilicornis* Takara, Sci. Bull. Agr. Univ. Ryukyus, (1), p. 71 (Senkaku Is.).

1955 Ko-seaka-amenbo Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food : Unknown.

Specimens examined : Okinawa-jima: 3 Exs., 20. IV. 1957 (T. Takara). Senkaku Is.: 6 Exs., 4. IV. 1952 (T. Takara).

Local distr. : Okinawa-jima, Iriomote-jima, Senkaku Is.

Foreign distr. : Japan, Korea, Formosa, China, Assam, India, etc.

77. Genus **Aquarius** Kirkaldy, 1899

1899 *Aquarius* Kirkaldy, Entom., 32, p. 203.

105) **Aquarius paludum** (Fabricius, 1794)

Jap. name: Amenbo.

1794 *Gerris paludum* Fabricius, Ent. Syst., 4, p. 188.

1853 *Hydrometra paludum* Herrich-Schäffer, Wanz., 9, p. 67 et 70.

1866 *Hygrotrechus japonica* Motschulsky, Bull. Soc. Nat. Moscou, 39, p. 188.

1866 *Hydrometra insularis* Motschulsky, Bull. Soc. Nat. Moscou, 39, p. 188.

1879 *Hygrotrechus remigatar* Horváth, Ann. Soc. Ent. Belg., 22, p. -

1904 *Gerris paludum* Distant, Fauna Brit. India, Rhyn., 2, p. 180.

1905 *Gerris paludum* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 27 (Okinawa).

1932 *Aquarius pallidum* (sic) Esaki, Iconogr. Ins. Jap., p. 1648, f. 3256.

1932 *Aquarius pallidum* Asahina, Mushi, 5 (2), p. 109 (Okinawa-jima).

1937 *Aquarius pallidum* (sic) Miyadi, Bot. and Zool., 5 (11), p. 1998 (Okinawa-jima).

1939 *Aquarius pallidum* (sic) Esaki, Hori & Yasumatsu, Ins. Jap. Illust. Icon. Color., p. 98 (Ryukyu).

1952 *Aquarius paludum* Esaki, Iconogr. Ins. Jap., p. 243, f. 631.

Food : Unknown.

Specimens examined : Okinawa-jima: 10 Exs., 28. VI. 1955 (T. Takara). Ishigaki-jima: 5 Exs., 27. VIII. 1956 (T. Takara).

Local distr. : Okinawa-jima, Ishigaki-jima.

Foreign distr. : Japan, Korea, Formosa, China, etc.

78. Genus **Hermatobates** Carpenter, 1891

1891 *Hermatobates* Carpenter, Sc. Proc. Roy. Dublin Soc., N.S., 7. p. 137-146.

106) **Hermatobates marchei** (Coutiere & Martin, 1901)

Jap. name: Sango-amenbo.

1901 *Hermatobates marchei* Coutiere & Martin, Bull. Mus. Hist. Nat., (5), p. 215.

1935 *Hermatobates* sp., Esaki, Zool. Mag., 47 (557), p. 140 (Ishigaki-jima).

1947 *Hermatobates haddonii* Esaki, Mushi, 18 (7), p. 49-51 (Ishigaki-jima).

Food : Unknown.

No specimens examined.

Local distr. : Ishigaki-jima.

Foreign distr. : Philippine Is.

XII. Family REDUVIIDAE Latreille, 1807

Jap. name: Sashigame-ka.

79. Genus **Pygolampis** Germar, 18171817 *Pygolampis* Germar, Faun. Ins. Eur., p. 8.107) **Pygolampis cognata** Horváth, 1899

Jap. name: Hoso-sashigae.

1899 *Pygolampis cognata* Horváth, Termesz. Füzet., 22, p. 367.1905 *Pygolampis cognata* Horváth, Ann. Mag. Nat. Hung., 3, p. 413-423.1927 *Pygolampis cognata* Sakaguchi, List Ins. Okinawa Is., p. 28.1952 *Pygolampis cognata* Esaki, Iconogr. Ins. Jap., p. 245, f. 638 (Ryukyu).*Food*: Unknown.*No specimens examined.**Local distr.*: Okinawa-jima?*Foreign distr.*: Japan, Formosa, etc.80. Genus **Sastrapada** Amyot & Serville, 18431843 *Sastrapada* Amyot & Serville, Hem., p. 388108) **Sastrapada baerensprungi** (Stål, 1859)

Jap. name: Hime-hoso-sashigame.

1859 *Harpagocharis baerensprungi* Stål, Öfv. Vet. Ak. Forh., p. 381.1860 *Sastrapada femorata* Costa, Addit., p. 12.1860 *Sastrapada incerta* Signort, Ann. Soc. Ent. Fr., p. 968.1861 *Ctenocnemis flavescens* Fieber, Eur. Hem., p. 150.1873 *Sastrapada bipunctata* Walker, Cat. Het., 8, p. 28.1873 *Pygolampis innotata* Walker, Cat. Het., 8, p. 36.1904 *Sastrapada baerensprungi* Distant, Fauna Brit. India, Rhyn., 2, p. 224.1932 *Sastrapada baerensprungi* Esaki, Iconogr. Ins. Jap., p. 1653, f. 3266 (Japan).1940 *Sastrapada baerensprungi* Ishihara, Ent. World, 8 (76), p. 372 (N. Daitō-jima).*Food*: Unknown.*No specimens examined.**Local distr.*: N. Daitō-jima.*Foreign distr.*: Japan, Formosa ?, Malay, Ceylon, Australia, Europe, Madagascar, etc.81. Genus **Staccia** Stål, 18651865 *Staccia* Stål, Hem. Afr., 3, p. 150.109) **Staccia diluta** (Stål, 1859)

Jap. name: Hime-tobiiro-sashigame.

1859 *Oncococephalus diluta* Stål, Freg. Eug. Res. Ins. Hem., p. 263.1904 *Staccia diluta* Distant, Fauna Brit. India, Rhyn., 2, p. 225.1951 *Staccia diluta* Ishihara, Collect. and Breed., 13 (7), p. 235.

Food: Unknown.

Specimens examined: Okinawa-jima: 3 Exs., 1. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan, Formosa, Burma, India.

82. Genus **Polytoxus** Spinola, 1858

1858 *Polytoxus* Spinola, Ins. Art., p. 47.

110) **Polytoxus** sp.

Jap. name:

(Pl. II, fig. 18)

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 5. VI. 1955 (S. Higashihirachi). Ishigaki-jima: 1 Exs., 30 VIII. 1957 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.), Ishigaki-jima (hab. nov.).

Foreign distr.: Unknown.

83. Genus **Oncocephalus** Klug, 1830

1830 *Oncocephalus* Klug, Symb. Phys. Dec., 2, p. -

111) **Oncocephalus philippinus** Lathierry, 1877

Jap. name: Tobiiro-sashigame.

- 1877 *Oncocephalus philippinus* Lethierry, Ann. Soc. Ent. France, Bull., p. -
- 1913 *Oncocephalus notatus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 154 (Okinawa).
- 1927 *Oncocephalus squalipus* (sic) Sakaguchi, List Ins. Okinawa Is., p. 28.
- 1927 *Oncocephalus nototus* (sic) Sakaguchi, List Ins. Okinawa Is., p. 28.
- 1927 *Oncocephalus notatus* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).
- 1930 *Oncocephalus notatus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 178 (Okinawa).
- 1931 *Oncocephalus pilicornis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1211 (Okinawa).
- 1932 *Oncocephalus pilicornis* Matsumura, Illust. Common Ins. Japan, 4, p. 91 (Okinawa).
- 1932 *Oncocephalus philippinus* Esaki, Iconogr. Ins. Jap., p. 1654, f. 3267.
- 1940 *Oncocephalus philippinus* Ishihara, Ent. World, 8 (76), p. 373 (N. Daitō-jima).
- 1952 *Oncocephalus philippinus* Esaki, Iconogr. Ins. Jap., p. 246, f. 639.

Food: Insects.

Specimens examined: Okinawa-jima: 2 Exs., 10. VIII. 1953 (T. Takara). Ishigaki-jima: 2 Exs., 5. IX. 1956 (T. Takara).

Local distr.: Okinawa-jima, N. Daitō-jima, Ishigaki-jima (hab. nov.).

Foreign distr.: Japan, Korea, Formosa, Philippines, etc.

84. Genus **Conorhinus** Laporte, 13821382 *Conorhinus* Laporte, Ess. Hem., p. 78.112) **Conorhinus rubrofasciatus** (De Geer, 1773)

Jap. name: Ô-sashigame.

- 1773 *Cimex rubrofasciatus* De Geer, Mem., 3, p. 349, pl. 35, f. 12.
 1843 *Conorhinus rubrofasciatus* Amyot & Serville, Hem., p. 384, pl. 8, f. 2.
 1927 *Triatoma (Conorhinus) rubrofasciata* Sakaguchi, List Ins. Okinawa Is., p. 29.
 1932 *Conorhinus rubrofasciatus* Esaki, Iconogr. Ins. Jap., p. 1675, f. 3273 (Formosa).

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 15. VIII. 1957 (T. Takara). Miyako-jima: 1 Exs., 27. VIII. 1957 (T. Takara). Ishigaki-jima: 2 Exs., 10. IX. 1956 (T. Takara). Yonaguni-jima: 2 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: Okinawa-jima, Miyako-jima (hab. nov.), Ishigaki-jima (hab. nov.), Yonaguni-jima (hab. nov.).

Foreign distr.: Formosa, China, Malay, Burma, Andaman Is., Ceylon, India, Oriental tropics, Hawaii, Africa, etc.

It comes into the light and stings the human in the house. Its pain is very severe.

85. Genus **Ectomocoris** Mayr, 18651865 *Ectomocoris* Mayr, Verh. Zool.-Bot. Ges. Wien, 15, p. 438.113) **Ectomocoris flavomaculatus** Stål, 1870

Jap. name: Yaeyama-sashigame.

- 1870 *Ectomocoris flavomaculatus* Stål, Öfv. Vet. Akad. Forh., p. 692.
 1913 *Pirates yayeyamae* Matsumura, Thous. Ins. Japan, Addit., 1, p. 163, pl. 15, f. 5 (Yayeyama).
 1927 *Pirates yayeyamae* Yashiro, List Ins. Roo-choo Is., p. 12 (Yaeyama).
 1930 *Pirates yayeyamae* Matsumura, Illust. Thous. Ins. Japan, 1, p. 183 (Yaeyama).
 1931 *Pirates yayeyamae* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1212, f. 173 (Yaeyama).
 1932 *Ectomocoris flavomaculatus* Esaki, Iconogr. Ins. Jap., p. 1657, f. 3274 (Yaeyama).
 1933 *Ectomocoris flavomaculatus* Kato, Colour Illust. Ins. Japan, 5, pl. 21, f. 3 (Ryukyu).

Food: Insects (Yashiro, 1927).*No specimens examined*.*Local distr.*: Yaeyama (=? Ishigaki-jima).*Foreign distr.*: Formosa, Philippines.114) **Ectomocoris biguttulus** Stål, 1870

Jap. name: Kiboshi-sashigame.

(Pl. II, fig. 19)

- 1870 *Ectomocoris biguttulus* Stål, Öfv. Vet. Akad. Forh., p. 692.
 1913 *Ectomocoris biguttulus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 164 (Okinawa).

- 1927 *Ectomocoris biguttulus* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).
 1927 *Ectomocoris biguttulus* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1930 *Ectomocoris biguttulus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 184 (Okinawa).
 1931 *Ectomocoris biguttulus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1207 (Okinawa).
 1932 *Ectomocoris biguttulus* Asahina, Mushi, 5 (2), p. 109 (Okinawa-jima).
 1932 *Ectomocoris biguttulus* Matsumura, Illust. Common Ins. Japan, 4, p. 94 (Okinawa).
 1933 *Ectomocoris biguttatus* (sic) Kato, Colour Illust. Ins. Japan, 5, pl. 22, f. 4 (Ryukyu).
 1938. *Ectomocoris biguttulus* Takezaki, Shizen to Shumi, 8 (1), p. 3 (N. Daitō-jima).

Food: Insects.

Specimens examined: Okinawa-jima: 3 Exs., 30. VII. 1955 (T. Takara). Ishigaki-jima: 2 Exs., 19. VIII. 1956 (T. Takara).

Local distr.: Okinawa-jima, N. Daitō-jima, Ishigaki-jima (hab. nov.?).

Foreign distr.: Japan (Tokara Is.), Formosa, Philippines, India, etc.

It comes into the light and stings the human in the house. Its pain is very severe.

86. Genus **Pirates** Burmeister, 1835

1835 *Pirates* Burmeister, Handb., 2, p. 222 et 239.

115) **Pirates cinctiventris** Horváth, 1879

Jap. name: Kuro-sashigame.

(Pl. II, fig. 20)

- 1879 *Pirates cinctiventris* Horváth, Termes. Fuzet., 3, p. 8.
 1927 *Pirates cinctiventris* Sakaguchi, List Ins. Okinawa Is., p. 28.
 1932 *Pirates cinctiventris* Esaki, Iconogr. Ins. Jap., p. 1658, f. 3275 (Japan).
 1940 *Pirates (Cleptocoris) cinctiventris* Ishihara, Ent. World, 8 (76), p. 372 (N. Daitō-jima).

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 6. IX. 1955 (S. Higashihirachi).

Local distr.: Okinawa-jima, N. Daitō-jima.

Foreign distr.: Japan, Formosa.

116) **Pirates turpis** Walker, 1873

Jap. name: Kuromon-sashigame.

- 1873 *Pirates turpis* Walker, Cat. Het. Brit. Mus., p. 120.
 1927 *Pirates atromaclatus* Sakaguchi, List Ins. Okinawa Is., p. 28.
 1932 *Pirates turpis* Esaki, Iconogr. Ins. Jap., p. 1658, f. 3276 (Japan).
 1952 *Pirates turpis* Esaki, Iconogr. Ins. Jap., p. 247, f. 644 (Japan).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima ?.

Foreign distr.: Japan, China ?.

87. Genus **Sirthenea** Spinola, 18401840 *Sirthenea* Spinola, Ess. Hem., p. 100.117) **Sirthenea flavipes** (Stål, 1855)

Jap. name: Kiiro-sashigame.

1855 *Rasahus flavipes* Stål, Öfv. Vet. Akad. Forh., p. 187.1904 *Sirthenea flavipes* Distant, Fauna Brit. India, Rhyn., 2, p. 303.1909 *Sirthenea flavipes* var. *apicalis* Horváth, Ann. Mus. Nat. Hung., 7, p. 359.1932 *Sirthenea flavipes* Esaki, Iconogr. Ins. Jap., p. 1659, f. 3277 (Japan, Formosa).1952 *Sirthenea flavipes* Esaki, Iconogr. Ins. Jap., p. 248, f. 645 (Japan, Formosa).*Food*: Unknown.*Specimens examined*: Okinawa-jima: Exs., 10. VIII. 1955 (T. Takara). Ishigaki-jima: 2 Exs., 30. VIII. 1956 (T. Takara).*Local distr.*: Okinawa-jima (hab. nov.), Ishigaki-jima (hab. nov.).*Foreign distr.*: Japan, Formosa, S. China, Philippines, Borneo, Java, Ceylon, Assam, India, etc.

It comes into the light and stings the human in the house. Its pain is very severe.

88. Genus **Haematoloecha** Stål, 18741874 *Haematoloecha* Stål, En. Hem., p. -118) **Haematoloecha nigrorufa** Stål, 1866

Jap. name: Akashima-sashigame.

1866 *Haematoloecha nigrorufa* Stål, Öfv. Vet. Akad. Forh., p. 301.1927 *Haematoloecha nigrorufa* Fukui, Kontyû, 2 (1), p. 10 (Ishigaki-jima).1932 *Haematoloecha nigrorufa* Esaki, Iconogr. Ins. Jap., p. 1659, f. 3278.1952 *Haematoloecha nigrorufa* Esaki, Iconogr. Ins. Jap., p. 248, f. 646 (Japan).*Food*: Unknown.*No specimens examined*.*Local distr.*: Ishigaki-jima.*Foreign distr.*: Japan.89. Genus **Ectrychotes** Burmeister, 18351835 *Ectrychotes* Burmeister, Handb., 2, p. 237.119) **Ectrychotes andreae** (Thunberg, 1784)

Jap. name: Birôdo-sashigame.

1784 *Cimex andreae* Thunberg, Nov. Ins. Sp., 3, p. 56.1905 *Ectrychotes andreae* (Jap. name: Akaheri-rurisashigame) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 27 (Okinawa).1913 *Ectrychotes andreae* Matsumura, Thous. Ins. Japan, Addit., 1, p. 166 (Okinawa).1927 *Ectrychotes andreae* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).1927 *Ectrychotes andreae* Sakaguchi, List Ins. Okinawa Is., p. 27.1927 *Ectrychotes andreae* Fukui, Kontyû, 2 (1), p. 12 (Okinawa).

- 1920 *Ectrychotes andreae* Matsumura, Illust. Thous. Ins. Japan, 1, p. 185 (Okinawa).
 1931 *Ectrychotes andreae* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1208 (Okinawa).
 1932 *Ectrychotes andreae* Esaki, Iconogr. Ins. Jap., p. 1661, f. 3282 (Japan).
 1932 *Ectrychotes andreae* Asahina, Mushi, 5 (2), p. 109 (Okinawa-jima).
 1936 *Ectrychotes andreae* Masaki, Kontyû, 10 (5), p. 270 (Ryukyu).
 1940 *Ectrychotes andreae* Ishihara, Ent. World, 8 (76), p. 372 (N. Daitô-jima).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima, N. Daitô-jima.

Foreign distr.: Japan, Korea, Formosa, China.

120) *Ectrychotes okinawensis* Matsumura, 1905

Jap. name: Okinawa-haraaka-sashigame.

- 1905 *Ectrychotes okinawensis* (Jap. name: Okinawa-ruri-sashigame) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 28 et 34, pl. 1, f. 11 (Okinawa).
 1913 *Ectrychotes okinawensis* (Jap. name: Okinawa-haraaka-sashigame) Matsumura, Thous. Ins. Japan, Addit., 1, p. 168 (Okinawa).
 1917 *Scadra okinawensis* Fukui, Ins. World, 21 (240), p. 312.
 1927 *Ectrychotes okinawensis* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).
 1927 *Ectrychotes okinawensis* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1930 *Ectrychotes okinawensis* Matsumura, Illust. Ins. Japan, 1, p. 187 (Okinawa).
 1931 *Ectrychotes okinawensis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1208 (Okinawa).
 1954 Okinawa-haraaka-sashigame Shiraki, Shin Konchû, 7 (6), p. 36 (Miyako-jima).

Food: Insects (*Aphis* spp.).

Specimens examined: Okinawa-jima: 2 Exs., 19. VI. 1955 (T. Takara). Miyako-jima: 2 Exs., 13. IX. 1955 (T. Takara). Ishigaki-jima: 3 Exs., 6. IX. 1955 (T. Takara).

Local distr.: Okinawa-jima, Miyako-jima, Ishigaki-jima (hab. nov.).

Foreign distr.: Formosa.

121) *Ectrychotes* sp.

Jap. name:

Food: Unknown.

Specimens examined: Okinawa-jima: 1 Exs., 1. VIII. 1956 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Unknown.

90. Genus **Rhynocoris** Hahn, 18341834 *Rhynocoris* Hahn, Wanz. Ins., 2, p. 20.122) **Rhynocoris fuscipes** (Fabricius, 1787)

Jap. name: Nakaguro-akashigame.

(Pl. II, fig. 23)

- 1787 *Reduvius fuscipes* Fabricius, Mant. Ins., 2, p. 312.
 1904 *Harpactor fuscipes* Distant, Fauna Brit. India, Rhyn., 2, p. 333.
 1913 *Harpactor fuscipes* Matsumura, Thous. Ins. Japan, Addit., 1, p. 170, pl. 15, f. 14 (Formosa).
 1914 *Rhynocoris fuscipes* Bergroth, Ent. Mitt., 3, p. 362.
 1932 *Rhynocoris fuscipes* Esaki, Iconogr. Ins. Jap., p. 1662, f. 3284 (Formosa).

Food: Unknown.*Specimens examined:* Ishigaki-jima: 2 Exs., 10. III. 1955 (S. Higashihirachi) et 28. VIII. 1956 (T. Takara).*Local distr.:* Ishigaki-jima (hab. nov.).*Foreign distr.:* Formosa, Ceylon, India, etc.91. Genus **Euagoras** Burmeister, 18351835 *Euagoras* Burmeister, Handb., 2, p. 226.123) **Euagoras plagiatus** (Burmeister, 1834)

Jap. name: Kiberi-higenaga-sashigame.

(Pl. II, fig. 21)

- 1834 *Zelus plagiatus* Burmeister, Nov. Act. Ac. Nat. Cur., 16, Suppl. 1, p. 303.
 1904 *Euagoras plagiatus* Distant, Fauna Brit. India, Rhyn., 2, p. 363.
 1905 *Endochus marginalis* (Jap. name: Kuro-higenaga-sashigame) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 28 et 35, pl. 1, f. 6 (Okinawa).
 1913 *Endochus marginalis* Matsumura, Thous. Ins. Japan, Addit., 1, p. 174, pl. 15, f. 20 (Okinawa).
 1927 *Endochus marginalis* Sakaguchi, List Ins. Okinawa Is., p. 27.
 1927 *Endochus marginalis* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).
 1930 *Endochus marginalis* Matsumura, Illust. Thous. Ins. Japan, 1, p. 192 (Naha).
 1931 *Endochus marginalis* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1208, f. 159 (Okinawa).
 1932 *Euagoras plagiatus* Esaki, Iconogr. Ins. Jap., p. 1665, f. 3290 (Ryukyu).
 1932 *Euagoras plagiatus* Asahina, Mushi, 5 (2), p. 109 (Okinawa-jima).
 1933 *Euagoras plagiatus* Kato, Colour Illust. Ins. Japan, 5, pl. 27, f. 6 (Ryukyu).
 1955 Kiberi-higenaga-sashigame Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Insects.*Specimens examined:* Okinawa-jima: 3 Exs., 5. VI. 1955 (T. Takara). Tonaki-jima: 1 Exs., 7. VIII. 1956 (T. Takara). Miyako-jima: 2 Exs., 13. IX. 1955 (T. Takara). Ishigaki-jima: 4 Exs., 6. IX. 1955 (T. Takara) et 2. IX. 1957 (T. Takara).*Local distr.:* Okinawa-jima, Tonaki-jima (hab. nov.), Miyako-jima (hab. nov.), Ishigaki-jima (hab. nov.).

Foreign distr.: Formosa, Philippines, Malay, Java, Burma, Assam, etc.

92. Genus **Polididus** Stål, 1858

1858 *Polididus* Stål, Öfv. Vet. Akad. Forh., p. 448.

124) **Polididus armatissimus** Stål, 1859

Jap. name: Toge-sashigame.

(Pl. II, fig. 24)

- 1859 *Polididus armatissimus* Stål, Öfv. Vet. Akad. Forh., p. 376.
- 1904 *Polididus armatissimus* Distant, Fauna Brit. India, Rhyn., 2, p. 386.
- 1932 *Polididus armatissimus* Esaki, Iconogr. Ins. Jap., p. 1665, f. 3292 (Japan, Formosa).
- 1952 *Polididus armatissimus* Esaki, Iconogr. Ins. Jap., p. 253, f. 661.

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., 5. VIII. 1955 (T. Takara). Ishigaki-jima: 2 Exs., 3. IX. 1956 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.), Ishigaki-jima (hab. nov.).

Foreign distr.: Japan, Formosa, China, Philippines, Burma, Ceylon, India, etc.

93. Genus **Canthesancus** Amyot & Serville, 1843

1843 *Canthesancus* Amyot & Serville, Hem., p. 389.

125) **Canthesancus gulo** Stål, 1863

Jap. name: Kuroboshi-sashigame.

- 1863 *Canthesancus gulo* Stål, Ann. Soc. Ent. Fr., p. 44.
- 1904 *Canthesancus gulo* Distant, Fauna Brit. India, Rhyn., 2, p. 235.
- 1913 *Metatiarodes maculatus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 156, pl. 14, f. 22 (Yaeyama).
- 1927 *Metatiarodes maculatus* Sakaguchi, List Ins. Okinawa Is., p. 28.
- 1927 *Metatiarodes maculatus* Yashiro, List Ins. Roo-choo Is., p. 12 (Yaeyama).
- 1930 *Matatiarodes maculatus* Matsumura, Illust. Thous. Ins. Japan, 1, p. 180 (Yaeyama).
- 1931 *Canthesancus gulo* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1211, f. 169 (Yaeyama).

Food: Unknown.

No specimens examined.

Local distr.: Yaeyama (=? Ishigaki-jima).

Foreign distr.: Malay states, Burma, India.

XIII. Family **NABIDAE** Costa, 1852

Jap. name: Makiba-sashigame-ka.

94. Genus **Prostemma** Laporte, 1832

1832 *Prostemma* Laporte, Ess. Hem., p. 15.

126) **Prostemma fasciata** Stål, 1873

Jap. name:

(Pl. II, fig. 25)

1873 *Prostemma fasciata* Stål, En. Hem., 3, p. 108, f. 3.

Food: Unknown.

Specimens examined: Okinawa-jima: 2 Exs., (H. Yashiro), (Specimens in Kyushu Univ.). 2 Exs., 10. VIII. 1957 (O. Nakachi) et 5. VIII. 1957 (C. Izumi)

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan (Amami-ōshima), Formosa.

95. Genus **Nabis** Latreille, 1807

1807 *Nabis* Latreille (part), Gen., 3, p. 127.

127) **Nabis ferus** Linné, 1761

Jap. name: Sesuji-makibasashigame.

1761 *Nabis ferus* Linné, Fauna Suec., Holmiae, p. 256.

1932 *Nabis ferus* Esaki, Iconogr. Ins. Jap., p. 1670, f. 3300 (Japan).

1952 *Nabis ferus* Esaki, Iconogr. Ins. Jap., p. 255, f. 667.

Food: Unknown.

Specimens examined: Okinawa-jima: 5 Exs., V-X. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan, Siberia, Europe, N. America, etc.

XIV. Family **CIMICIDAE** Latreille, 1804

Jap. name: Tokojirami-ka.

96. Genus **Cimex** Linné, 1758

1758 *Cimex* Linné, Syst. Nat. Ed., 10, p. 441.

128) **Cimex lectularius** Linné, 1758

Jap. name: Toko-jirami.

1758 *Cimex lectularius* Linné, Syst. Nat. Ed., 10, p. 441.

1861 *Acanthia lectularia* Fieber, Eur. Hem., p. 135.

1899 *Klinophilus lectularius* Kirkaldy, Entomologist, p. 220.

1905 *Cimex lectularius* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 28 (Okinawa).

1927 *Cimex (Acanthia) lectularius* Yashiro, List Ins. Roo-choo Is., p. 12 (Okinawa).

- 1932 *Cimex lectularius* Esaki, Iconogr. Ins. Jap., p. 1672, f. 3303.
 1952 *Cimex lectularius* Esaki, Iconogr. Ins. Jap., p. 256, f. 670.

Food: *Homo sapiens* Linné.

Specimens examined: Okinawa-jima: 5 Exs., 15. IV. 1955 (T. Takara). Miyako-jima: 3 Exs., 30. III. 1956 (T. Takara). Ishigaki-jima: 5 Exs., 20. III. 1954 (T. Takara).

Local distr.: All Ryukyu Is.

Foreign distr.: All parts of the World.

XV. Family MIRIDAE Hahn, 1831

Jap. name: Mekura-kamemushi-ka.

97. Genus *Lygus* Hahn, 1831

1831 *Lygus* Hahn, Wanz. Ins., 1, p. 147.

129) *Lygus apicalis* Fieber, 1861

Jap. name: Midori-mekurakame.

- 1861 *Lygus apicalis* Fieber, Eur. Hem., p. 68 et 272.
 1932 *Lygus pratensis* Esaki, Iconogr. Ins. Jap., p. 1677, f. 3314 (Japan).
 1952 *Lygus apicalis* Esaki, Iconogr. Ins. Jap., p. 259, f. 680.
 1955 Midori-mekura-kamemushi Shiraki, Shin Konchū, 8 (1), p. 35 (Okinawa-jima).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima.

Foreign distr.: Japan, China, Siberia, Europe, N. America, S. America, etc.

130) *Lygus* sp.

Jap. name:

Food: Cucurbitaceae—*Lagenaria leucantha* var. *clavata* Makino (Yûgao).

Specimens examined: Okinawa-jima: 5 Exs., 10. IV. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Unknown.

98. Genus *Trigonotylus* Fieber, 1858

1858 *Trigonotylus* Fieber, Cr. Phy., p. 289-347.

131) *Trigonotylus ruficornis* (Geoffroy, 1758)

Jap. name: Akahige-hosomidori-mekurakame.

- 1758 *Cimex ruficornis* Geoffroy, in Four. Ent. Par., p. 209.
 1826 *Miris ruficornis* Fallén, Hem. Suec. Cim., p. 133.
 1843 *Miris ruficornis* Meyer, Caps., p. 37.

- 1848 *Miris ruficornis* Sahll, Mon. Geoc., p. 87.
 1855 *Miris ruficornis* Kirschbaum, Caps., p. 192.
 1860 *Miris ruficornis* Flor, R. L., 1, p. 435.
 1861 *Miris ruficornis* Flor, R. L., 2, p. 608.
 1861 *Trigonotylus ruficornis* Fieber, Eur. Hem., p. 243.
 1875 *Megaloceraea ruficornis* Reuter, Pen. Cr. Caps., 2, p. 7.
 1876 *Megaloceraea ruficornis* Saund, Synops., 2, p. 260.
 1890 *Trigonotylus ruficornis* Provanchu, Faun. Ent. Can. Hem., p. 104.
 1893 *Trigonotylus ruficornis* Reuter, Ent. Mon. Mag., p. 110.
 1894 *Trigonotylus ruficornis* Hüeber, Syn. Blind., 1, p. 55.
 1909 *Trigonatylus ruficornis* Oshanin, Ann. Mus. Acad. Imp. Sci. Bd., 14, p. 773.
 1932 *Trigonotylus ruficornis* Esaki, Iconogr. Ins. Jap., p. 1680, f. 3319.
 1952 *Trigonotylus ruficornis* Esaki, Iconogr. Ins. Jap., p. 261, f. 684.

Food: Gramineae—*Oryza sativa* Linné.

Specimens examined: Ishigaki-jima: 2 Exs., 20. III. 1957 (T. Takara). Iriomote-jima: 4 Exs., 10. IX. 1955 (T. Takara).

Local distr.: Ishigaki-jima (hab. nov.), Iriomote-jima (hab. nov.).

Foreign distr.: Japan, All Asia, All Europe, N. America, N. Africa, etc.

99. Genus *Mecisdoscelis* Reuter, 1891

1891 *Mecisdoscelis* Reuter, Ren. d'Ent., 10, p. 131.

132) *Mecisdoscelis scirtetoides* Reuter, 1891

Jap. name: Kamodoki-mekuragame.

- 1891 *Mecisdoscelis scirtetoides* Reuter, Ren. d'Ent., 10, p. 132.
 1904 *Mecisdoscelis scirtetoides* Distant, Fauna Brit. India, Rhyn., 2, p. 421.
 1932 *Mecisdoscelis scirtetoides* Esaki, Iconogr. Ins. Jap., p. 1679, f. 3318 (Formosa).

Food: Gramineae—*Phyllostachys* spp.

Specimens examined: Okinawa-jima: 10 Exs., 19. VI. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan, Formosa, Java.

This species is often found in the bamboo thicket of the steep mountain valley.

100. Genus *Engytatus* Reuter, 1875

1875 *Engytatus* Reuter, Öfv. Vet. Akad. Förh., (9), p. 82.

133) *Engytatus tenuis* (Reuter, 1895)

Jap. name: Tabako-mekuragame.

- 1895 *Cyrtopeltis tenuis* Reuter, Reu. d'Ent., 14, p. 139.
 1903 *Leptoterna nicotiana* Koningsl, Meededeel's Lands Plantent., 64, p. 32, tab. 4, f. 8.
 1904 *Gallobelicus crassicornis* Distant, Fauna Brit. India, Rhyn., 2, p. 477.
 1910 *Engytatus tenuis* Reuter, Act. Soc. Sci. Fen., 37, (1), p. 151.
 1913 *Cyrtopeltis javanus* Poppius, Tijdschr. Ent., Suppl., 56, p. 163.

- 1915 *Dicyphus crassicornis* Poppius, Arch. Naturg., 1914, 80, A. (8), p. 60.
 1919 *Gallobelicus nicotianae* Den Doop, Bull. Van Het. Deli-Proefstat, 12, p. 1.
 1922 *Dicyphus nicotianae* Horváth, 'Konowia', 1, p. 174, f. 1.
 1925 *Dicyphus nicotianae* Fulmek, Bull. Van Het Deli-Proefstat, (25), p. 2.
 1926 *Engytatus tenuis* Horváth, 'Treubia', 7, (3-4), p. 332.
 1932 *Gallobelicus crassicornis* Matsumura, Conspl. Jap. Injur. Ins., p. 314.
 1952 *Engytatus tenuis* Esaki, Iconogr. Ins. Jap., p. 261, f. 685.
 1954 *Gallobelicus crassicornis* (Jap. name: Tabako-mekura-kamemushi) Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Ishigaki-jima).

Food: Solanaceae—*Nicotiana tabacum* L. Compositae—*Calendula arvensis* L. (Kinsenka).

Specimens examined: Okinawa-jima: 15 Exs., 14. VII. 1956 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.), Ishigaki-jima.

Foreign distr.: Japan, Formosa, China, India, Oriental tropics, etc.

101. Genus *Campylomma* Reuter, 1884

1884 *Campylomma* Reuter, Act. Soc. Sc. Fenn., 13, p. 52.

134) *Campylomma livida* Reuter, 1884

Jap. name: Goma-no-aomekurakamemushi.

- 1884 *Campylomma livida* Reuter, Ent. Tidskr., 5, p. 199.
 1904 *Campylomma livida* Distant, Fauna Brit. India, Rhyn., 2, p. 483.
 1932 *Campylomma livida* Matsumura, Conspl. Jap. Injur. Ins., p. 320 (Formosa).
 1954 *Campylomma livida* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Ishigaki Is.).

Food: Pedaliaceae—*Sesamum indicum* L. (Shiraki, 1954).

No specimens examined.

Local distr.: Ishigaki-jima.

Foreign distr.: Formosa, China, India, etc.

102. Genus *Halticus* Hahn, 1831

1831 *Halticus* Hahn, Wanz. Ins., 1, p. 113.

135) *Halticus tibialis* Reuter, 1891

Jap. name: Kurotobi-mekurakamemushi.

- 1891 *Halticus tibialis* Reuter, Rev. d'Ent., 10, p. 135.
 1914 *Halticus tibialis* Poppius, Arch. Nat. Bd. 80, A. 8, p. 70.
 1932 *Halticus tibialis* Esaki, Iconogr. Ins. Jap., p. 1683, f. 3326 (Formosa).
 1940 *Halticus tibialis* Yashiro, Agr. and Hort., 15 (12), p. 2427 (Okinawa).
 1952 *Halticus tibialis* Esaki, Iconogr. Ins. Jap., p. 263, f. 691 (Japan).
 1954 *Halticus tibialis* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Iriomote Is.).

Food: Convolvulaceae—*Ipomoea batatas* var. *edulis* Makino (Satsumaimo). Cruciferae—*Raphanus sativus* L. var. (Daikon), *Brassica* spp. Leguminosae—*Arachis hypogaea* L. (Nankin-mame), *Phaseolus* spp., etc.

Specimens examined: Okinawa-jima: 10 Exs., 10. XI. 1955 (T. Takara). Miyako-jima: 5 Exs., 29. III. 1956 (T. Takara). Ishigaki-jima: 6 Exs., 19. III. 1957 (T. Takara). Iriomote-jima: 20. IX. 1955 (T. Takara).

Local distr.: All Ryukyu Is.

Foreign distr.: Japan, Formosa, China, Philippines, Malay, Java, Ceylon, India, Oriental tropics, Africa, etc.

This species is included in important injurious insects in the Ryukyus and is found all the year round.

XVI. Family GALAULIDAE Billberg, 1820

Jap. name: Ashibuto-memizumushi-ka.

103. Genus **Peltopterus** Guerin-Meneville, 1843

1843 *Peltopterus* Guerin-Meneville, Rev. Zool. Trav. Ined., p. 113.

136) **Peltopterus macrothorax** (Montrouzier, 1855)

Jap. name: Ashibuto-memizumushi.

- 1855 *Galgulus macrothorax* Montrouzier, Ann. Sc. Phys. Nat. Lyon, (2), 7 (1), p. 110.
- 1861 *Scylaecus macrothorax* Stål, Öfv. Akad. Forh., 18, p. 201.
- 1863 *Peltopterus macrothorax* Stål, Berlin Ent. Zeit., 7, p. 408.
- 1928 *Peltopterus macrothorax* Esaki, Ins. Samoa, pt. 2, p. 75.
- 1934 *Peltopterus macrothorax* Sonan, Trans. Nat. Hist. Soc. Formosa, 24 (130), p. 21 (Yaeyama).
- 1936 *Peltopterus macrothorax* Esaki, Mushi, 9 (1), p. 43 (Yaeyama).

Food: Unknown.

No specimens examined.

Local distr.: Yaeyama Is.

Foreign distr.: Japan (Kikai-jima, Takara-jima), Formosa (Kôtôshô, Kashô-tô), Philippines, N. Borneo, Solomon Is., Mariannes.

XVII. Family BELOSTOMATIDAE Leach, 1815

Jap. name: Tagame-ka.

104. Genus **Kirkaldyia** Montandon, 1909

1909 *Kirkaldyia* Montandon, Bull. Soc. Sci. Bucar., 18, p. 138.

137) **Kirkaldyia deyrollei** (Vuillefroy, 1864)

Jap. name: Tagame.

- 1864 *Belostoma deyrollei* Vuillefroy, Ann. Soc. Ent. Fr., p. 141, pl. 1, f. 5.
- 1909 *Kirkaldyia deyrollei* Montandon, Bull. Soc. Sci. Bucarest, 18, p. 138.
- 1913 *Belostoma deyrollii* (sic) Shiraki, Gov. Formosa, Agr. Exp. Stat., Spec. Rep., (8), p. 169 (Ryukyu).
- 1915 *Belostoma deyrollei* Esaki, Ent. Mag., 1 (2), p. 78 (Ryukyu).
- 1927 *Belostoma deyrollii* (sic) Yashiro, List Ins. Roo-choo Is., p. 9 (Okinawa).
- 1927 *Kirkaldyia* (sic) *deyrollei* Sakaguchi, List Ins. Okinawa Is., p. 27.
- 1932 *Kirkaldyia deyrollei* Esaki, Iconogr. Ins. Jap., p. 1687, f. 3333.

- 1952 *Kirkaldyia deyrollei* Esaki, Iconogr. Ins. Jap., p. 266, f. 699.
 1954 *Kirkaldyia deyrollei* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Okinawa Is.).

Food: Young fishes.

Specimens examined: Okinawa-jima: 2 Exs., 15. VI. 1957 (O. Nakachi) et 25. VII. 1957 (S. Matayoshi).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Korea, Formosa, China, Assam, etc.

105. Genus **Belostoma** Latreille, 1807

1807 *Belostoma* Latreille, Gen. Crus. Ins., 3, p. 144.

138) **Belostoma indicum** Lepeletier & Serville, 1775

Jap. name: Taiwan-tagame.

- 1775 *Belostoma indicum* Lepeletier & Serville, Encycl. Meth., 10, p. 272.
 1901 *Amorgius indicum* Green, Entomologist, 34, p. 113.
 1927 *Belostoma indicum* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1932 *Belostoma indicum* Esaki, Iconogr. Ins. Jap., p. 1687, f. 3334 (Formosa).

Food: Young fishes.

Specimens examined: Yonaguni-jima: 1 Exs., 17. V. 1957 (K. Maeda).

Local distr.: Okinawa (=? Okinawa-jima), Yonaguni-jima (hab. nov.).

Foreign distr.: Formosa, China, Philippines, Malay, Sumatra, India, etc.

106. Genus **Diplonychus** Amyot & Serville, 1843

1843 *Diplonychus* Amyot & Serville, Hem., p. 436.

139) **Diplonychus rusticum** (Fabricius, 1803)

Jap. name: Taiwan-kooimushi, Okinawa-kooimushi.

- 1803 *Nepa rustica* Fabricius, Syst. Rhyn., p. 106.
 1871 *Diplonychus rusticum* Mayr, Verh. Z.-B. Ges. Wien, 21, p. 438.
 1906 *Sphaerodema rusticum* Distant, Fauna Brit. India, Rhyn., 3, p. 35.
 1913 *Sphaerodema* (sic) (*Appasus*) *rusticum* Matsumura, Thous. Ins. Japan, Addit., 1, p. 94 (Okinawa).
 1915 *Sphaerodema* (sic) *rusticum* Esaki, Ins. World, 19 (214), p. 239 (Ryukyu).
 1915 *Sphaerodema rusticum* Matsumura, Ent. Mag., 1 (3), p. 106 (Okinawa).
 1927 *Sphaerodema* (sic) (*Appasus*) *rusticum* Yashiro, List Ins. Roo-choo Is., p. 9 (Okinawa).
 1930 *Sphaerodema* (*Appasus*) *rusticum* Matsumura, Illust. Thous. Ins. Japan, 1, p. 73 (Okinawa).
 1931 *Sphaerodema rusticum* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1224 (Okinawa).
 1932 *Sphaerodema rusticum* Esaki, Iconogr. Ins. Jap., p. 1688, f. 3335 (Ryukyu).
 1932 *Sphaerodema rusticum* Matsumura, Illust. Common Ins. Japan, 4, p. 99 (Okinawa).
 1933 *Sphaerodema rusticum* Kato, Colour Illust. Ins. Japan, 5, pl. 40, f. 6 (Ryukyu).
 1954 *Diplonychus rusticum* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Okinawa Is.).

Food: Young fishes.

Specimens examined: Okinawa-jima: 2 Exs., 2. IX. 1957 (C. Izumi) et 15. VIII. 1957 (O. Nakachi).

Local distr.: Okinawa-jima.

Foreign distr.: Formosa, China, Philippines, India, Oriental tropics.

XVIII. Family NEPIDAE Latreille, 1802

Jap. name: Taikouchi-ka.

107. Genus *Laccotrephes* Stål, 1865

1865 *Laccotrephes* Stål, Hem. Afr., 3, p. 186.

140) *Laccotrephes japonensis* Scott, 1874

Jap. name: Taikouchi, Yurihanashui.

1874 *Laccotrephes japonensis* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 450.
1888 *Nepa japonensis* Ferrari, Ann. Wien, 3, p. 175.

1927 *Laccotrephes japonensis* Sakaguchi, List Ins. Okinawa Is., p. 27.

1932 *Laccotrephes japonensis* Esaki, Iconogr. Ins. Jap., p. 1689, f. 3338.

1952 *Laccotrephes japonensis* Esaki, Iconogr. Ins. Jap., p. 267, f. 702.

1954 *Laccotrephes japonensis* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 20 (Okinawa Is.).

Food: Young fishes.

Specimens examined: Okinawa-jima: 2 Exs., 10. VI. 1956 (T. Takara).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Formosa.

141) *Laccotrephes kohlii* (Ferrari, 1888)

Jap. name: Taiwan-taikouchi.

1888 *Nepa kohlii* Ferrari, Ann. Hofmus. Wien, 3, p. 180.

1906 *Laccotrephes ruber* Distant, Fauna Brit. India, Rhyn., 3, p. 18.

1915 *Laccotrephes ruber* Matsumura, Ent. Mag., Kyoto, 1 (3), p. 107 (Okinawa).

1937 *Laccotrephes kohlii* Masaki, Mushi, 9 (2), p. 144 (Ishigaki-jima, Iriomote-jima).

Food: Young fishes.

Specimens examined: Ishigaki-jima: 2 Exs., 10. IX. 1955 et 20. VIII. 1956 (T. Takara). Yonaguni-jima: 1 Exs., 30. VIII. 1957 (S. Higashihirachi).

Local distr.: Okinawa (=? Okinawa-jima), Ishigaki-jima, Iriomote-jima, Yonaguni-jima.

Foreign distr.: Formosa, S. China, Burma, Ceylon, India, etc.

108. Genus *Ranatra* Fabricius, 1803

1803 *Ranatra* Fabricius, Syst. Rhyng., p. 108.

142) *Ranatra chinensis* Mayr, 1865

Jap. name: Mizu-kamakiri.

1865 *Ranatra chinensis* Mayr, Verh. Z.-B. Ges. Wien, 15, p. 446.

- 1874 *Ranatra pallidenotata* Scott, Ann. Mag. Nat. Hist., (4), p. 451.
 1927 *Ranatra chinensis* Yashiro, List Ins. Roo-choo Is., p. 10 (Okinawa).
 1932 *Ranatra chinensis* Esaki, Iconogr. Ins. Jap., p. 1690, f. 3339 (Japan, Formosa).
 1952 *Ranatra chinensis* Esaki, Iconogr. Ins. Jap., p. 267, f. 703.
 1954 *Ranatra chinensis* Shiraki, Cat. Injur. Ins. Ryukyu Is., p. 21 (Okinawa Is.).

Food: Young fishes (Shiraki, 1954).

Specimens examined: Okinawa-jima: 1 Exs., 1922 (S. Sakaguchi).
 (Specimens in Kyushu Univ.).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Korea, Formosa, China, Burma, etc.

143) *Ranatra unicolor* Scott, 1874

Jap. name: Hime-mizukamakiri.

- 1874 *Ranatra unicolor* Scott, Ann. Mag. Nat. Hist. (4), 14, p. 452.
 1879 *Ranatra brachyura* Horváth, Termes, Fuzet., Budapest, p. 10.
 1905 *Ranatra brachyura* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 28
 (Okinawa).
 1915 *Ranatra brachyura* Esaki, Ent. Mag., 1 (2), p. 75 (Ryukyu).
 1915 *Ranatra sordidula* Matsumura, Ent. Mag., 1 (3), p. 107 (Okinawa).
 1915 *Ranatra brachyura* Esaki, Ins. World, 19 (214), p. 239 (Ryukyu).
 1927 *Ranatra unicolor* Sakaguchi, List Ins. Okinawa Is., p. 28.
 1930 *Ranatra unicolor* Matsumura, Illust. Thous. Ins. Japan, 1, p. 66 (Okinawa).
 1932 *Ranatra unicolor* Esaki, Iconogr. Ins. Jap., p. 1690, f. 3340.
 1952 *Ranatra unicolor* Esaki, Iconogr. Ins. Jap., p. 267, f. 704.

Food: Young fishes.

Specimens examined: Okinawa-jima: 8 Exs., 27. IV. 1955 et
 15. VIII. 1957 (T. Takara).

Local distr.: Okinawa-jima.

Foreign distr.: Japan, Korea, China.

144) *Ranatra longipes* Stål, 1861

Jap. name: Madaraashi-mizukamakiri, Ashimadara-mizukamakiri.

- 1861 *Rauattra longipes* Stål, Öfv. Vet. Akad. Forh., p. 203.
 1913 *Ranatra maculipes* Matsumura, Thous. Ins. Japan, Addit., 1, p. 93 (Formosa).
 1932 *Ranatra longipes* Esaki, Iconogr. Ins. Jap., p. 1690 (Yaeyama Is.).
 1934 *Ranatra longipes* Esaki, Ent. World, 2 (11), p. 562 (Iriomote-jima).
 1937 *Ranatra longipes* Miyadi, Zool. and Bot., 5 (11), p. 1996 (Iriomote-jima).

Food: Young fishes ?.

No specimens examined.

Local distr.: Yaeyama Is.

Foreign distr.: Formosa, China, Malay, Borneo, Java, etc.

XIX. Family NOTONECTIDAE Leach, 1815

Jap. name: Matsumomushi-ka.

109. Genus **Notonecta** Linné, 17581758 *Notonecta* Linné, Syst. Nat. Ed., 10, p. 439.145) **Notonecta montandoni** Kirkaldy, 1897

Jap. name: Okinawa-matsumomushi.

- 1897 *Notonecta montandoni* Kirkaldy, Ann. Mag. Nat. Hist. (6), 20, p. 56.
 1905 *Notonecta bivittata* Matsumura, Journ. Sapporo Agr. Coll., 2 (2), p. 59, t. 1, f. 9.
 1905 *Notonecta bivittata* Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 28
 (Okinawa).
 1907 *Notonecta bivittata* Matsumura, Syst. Ins., p. 127, f. 140 (Ryukyu).
 1913 *Notonecta bivittata* Matsumura, Thous. Ins. Japan, Addit., 1, p. 96, pl. 11, f. 6
 (Okinawa).
 1915 *Notonecta bivittata* Esaki, Ent. Mag., 1 (1), p. 34 (Ryukyu).
 1915 *Notonecta bivittata* Matsumura, Ent. Mag., 1 (3), p. 111 (Okinawa).
 1915 *Notonecta bivittata* Esaki, Ins. World, 19 (214), p. 239 (Ryukyu).
 1927 *Notonecta bivittata* (=montandoni) Sakaguchi, List Ins. Okinawa Is., p. 28.
 1927 *Notonecta bivittata* Yashiro, List Ins. Roo-choo Is., p. 9 (Okinawa).
 1930 *Notonetta bivittata* Matsumura, Illust. Thous. Ins. Japan, 1, p. 75 (Naha).
 1931 *Notonecta bivittata* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1226, f. 230
 (Okinawa).
 1932 *Notonecta montandoni* Esaki, Iconogr. Ins. Jap., p. 1691, f. 3342 (Okinawa-honto).
 1932 *Notonecta bivittata* Matsumura, Illust. Common Ins. Japan, 4, p. 97 (Okinawa).
 1936 *Notonecta montandoni* Esaki, Kontyû, 10 (1), p. 43 (Okinawa-honto).

Food: Young fishes.*Specimens examined*: Okinawa-jima: 5 Exs., 5. XI. 1956 (M. Uechi).*Local distr.*: Okinawa-jima.*Foreign distr.*: N. China, Burma, India.110. Genus **Enithares** Spinola, 18371837 *Enithares* Spinola, Ess. Hem., p. 60.146) **Enithares sinica** (Stål, 1854)

Jap. name: Taiwan-matsumomushi.

- 1854 *Notonecta sinica* Stål, Öfv. Vet. Akad. Forh., p. 241.
 1913 *Enithares formosanus* Matsumura, Thous. Ins. Japan, Addit., 1, p. 97, pl. 11,
 f. 7 (Formosa).
 1927 *Enithares formosanus* Sakaguchi, List Ins. Okinawa Is., p. 27.
 1932 *Enithares sinica* Esaki, Iconogr. Ins. Jap., p. 1692, f. 3343 (Formosa).

Food: Unknown.*No specimens examined*.*Local distr.*: Okinawa (Sakaguchi, 1927).*Foreign distr.*: Formosa, S. China, Philippines, etc.

111. Genus *Anisops* Spinola, 18371837 *Anisops* Spinola, Ess., p. 58.147) *Anisops fieberi* Kirkaldy, 1901

Jap. name: Hime-ko-matsumomushi.

- 1901 *Anisops fieberi* Kirkaldy, Entomologist, 34, p. 5.
 1915 *Anisops kuroiwae* Matsumura, Ent. Mag., Kyoto, 1 (3), p. 109, pl. 3, f. 3 (Naha, Yayeyama).
 1927 *Anisops kuroiwae* Sakaguchi, List Ins. Okinawa Is., p. 26.
 1928 *Anisops fieberi* Esaki, Ins. Samoa, pt. 2, p. 76.
 1931 *Anisops kuroiwae* (Jap. name: Kuroiwa-ko-matsumomushi) Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1226 (Okinawa).
 1932 *Anisops fieberi* Esaki, Iconogr. Ins. Jap., p. 1693 (Ryukyu).
 1933 *Anisops fieberi* Kato, Colour Illust. Ins. Japan, 5, pl. 35, f. 6 (Ryukyu).
 1937 *Anisops fieberi* Miyadi, Zool. and Bot., 5 (11), p. 1996 et 1998 (Iriomote-jima, Okinawa-jima).

Food : Unknown.*Specimens examined* : Okinawa-jima: 4 Exs., 6. VI. 1956 (T. Takara).*Local distr.* : Okinawa-jima, Ishigaki-jima, Iriomote-jima.*Foreign distr.* : Formosa.148) *Anisops niveus* (Fabricius, 1775)

Jap. name: Shiro-ko-matsumomushi, Okinawa-ko-matsumomushi.

- 1775 *Notonecta nivea* Fabricius, Ent. Syst., 5, p. 690.
 1899 *Anisops niveus* Kirkaldy, Ann. Soc. Ent. Fr., 68, p. 105.
 1905 *Anisops niveus* (Jap. name: Okinawa-ko-matsumomushi) Matsumura, Trans. Sapporo Nat. Hist. Soc., 1 (1), p. 28 (Okinawa).
 1915 *Anisops niveus* Esaki, Ins. World, 19 (214), p. 239 (Ryukyu).
 1915 *Anisops niveus* Esaki, Ent. Mag., 1 (1), p. 31 (Ryukyu).
 1915 *Anisops niveus* Matsumura, Ent. Mag., 1 (3), p. 110 (Okinawa).
 1931 *Anisops niveus* Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1226 (Okinawa).
 1932 *Anisops niveus* Esaki, Iconogr. Ins. Jap., p. 1693, f. 3345 (Ryukyu).
 1933 *Anisops niveus* Kato, Colour Illust. Ins. Japan, 5, pl. 36, f. 5 (Ryukyu).

Food : Unknown.*Specimens examined* : Ishigaki-jima: 2 Exs., 5. IX. 1957 (T. Takara).*Local distr.* : Okinawa (=? Okinawa-jima), Ishigaki-jima.*Foreign distr.* : Formosa, China, Malay, Oriental tropics, Africa.149) *Anisops stali* Kirkaldy, 1904

Jap. name:

- 1904 *Anisops stali* Kirkaldy, Wien. Ent. Zeit., 23, p. 113 et 132.
 1951 *Anisops stali* Brooks, Univ. Kansas Sci. Bull., 34 (8), p. 322 (Okinawa).

Food : Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: Philippine Is., Celebes, Timor, Australia.

150) **Anisops tahitiensis** Lundblad, 1934

Jap. name:

1934 *Anisops tahitiensis* Lundblad, Bull. Bernice Pauki Bishop Mus. Poly. Ethn. Nat. Hist., 113, p. 121, text f. 1-5.

1951 *Anisops tahitiensis* Brooks, Univ. Kansas Sci. Bull., 34 (8), p. 376 (Okinawa).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima).

Foreign distr.: Philippine Is., Andaman Is., New Guinea, Guadalcanal, New Hebrides.

151) **Anisops batillifrons** Lundblad, 1934

Jap. name:

1933 *Anisops batillifrons* Lundblad, Ann. Mag. Nat. Hist., 12, ser. 10, p. 463, text f. 8.

1951 *Anisops batillifrons* Brooks, Univ. Kansas Sci. Bull., 34 (8), p. 420 (Okinawa Is., Iriomote Is.).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa-jima, Iriomote-jima.

Foreign distr.: Formosa, Philippine Is., Hainan Is., Burma, Assam, India.

XX. Family **CORIXIDAE** Dohrn, 1859 (Leach, 1815)

Jap. name: Mizumushi-ka.

112. Genus **Agraptocorixa** Kirkaldy, 1898

1898 *Agraptocorixa* Kirkaldy, Ann. Mus., Genov., 39, p. 144.

152) **Agraptocorixa hyalinipennis** (Fabricius, 1803)

Jap. name: Tsuya-mizumushi.

1803 *Sigara hyalinipennis* Fabricius, Syst. Rhyng., p. 105.

1915 *Macrocorisa okinawensis* Matsumura, Ent. Mrg., 1 (3), p. 111, pl. 3, f. 5 (Miyako-jima).

1931 *Macrocorisa okinawensis* (Jap. name: Tsuya-fusen) Matsumura, 6000 Illust. Ins. Japan-Empire, p. 1228 (Okinawa).

1932 *Agraptocorixa hyalinipennis* Esaki, Iconogr. Ins. Jap., p. 1694, f. 3348 (Ryukyu).

1933 *Agraptocorixa hyalinipennis* Kato, Colour Illust. Ins. Japan, 5, pl. 35, f. 5 (Ryukyu).

Food: Unknown.

No specimens examined.

Local distr.: Okinawa (=? Okinawa-jima), Miyako-jima.

Foreign distr.: Formosa, Malay, India, etc.

113. Genus **Sigara** Fabricius, 1775

1775 *Sigara* Fabricius, Syst. Ent., p. 691.

153) **Sigara substriata** (Uhler, 1896)

Jap. name: Ko-mizumushi.

1896 *Corixa substriata* Uhler, Proc. U. S. Nat. Mus., 19, p. 275.

1904 *Corixa substriata* Matsumura, Thous. Ins. Japan, 1, p. 184, t. 14, f. 8.

1932 *Sigara substriata* Esaki, Iconogr. Ins. Jap., p. 1695, f. 3350.

1952 *Sigara substriata* Esaki, Iconogr. Ins. Jap., p. 270, f. 711.

Food: Unknown.

Specimens examined: Okinawa-jima: 8 Exs., 1. VIII. 1955 (T. Takara).

Local distr.: Okinawa-jima (hab. nov.).

Foreign distr.: Japan, Korea, Formosa, India, etc.

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12. ——— (1915): Ibid., 19 (212), p. 145-147.
13. ——— (1915): Ibid., 19 (213), p. 188-190.
14. ——— (1915): Ibid., 19 (215), p. 277-279.
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32. ——— (1930): Ibid., 4 (1), p. 31-37.
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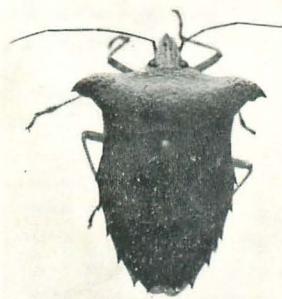
PLATE I



1



2



3



4



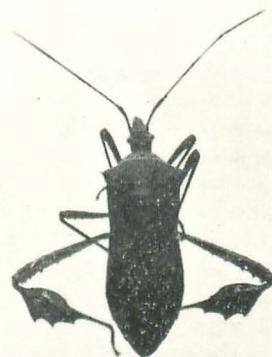
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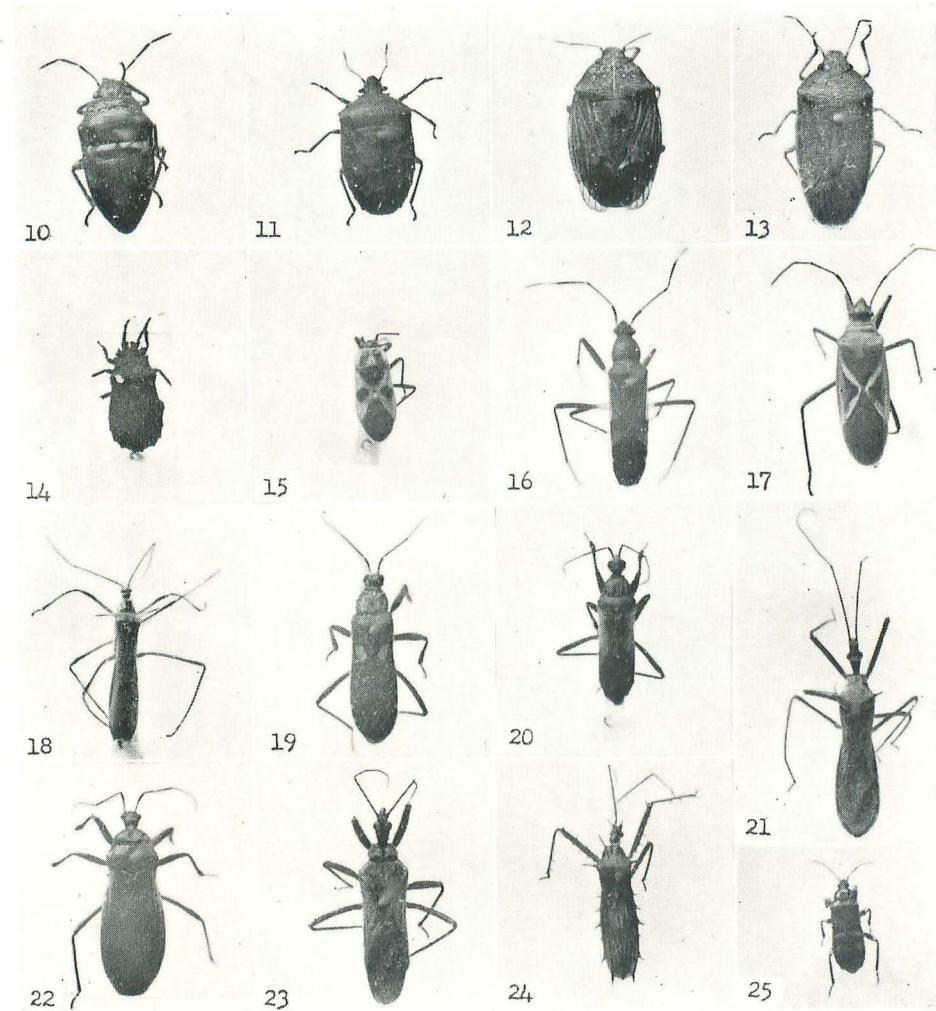


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9

PLATE II



118. Yashiro, H. (1927) 沖縄県昆虫目録 (A list of insects in Roo-choo Islands).
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Explanation of plates

PLATE I

- Fig. 1. *Cantao ocellatus* (Thunberg) (Akagi-kamemushi).
 Fig. 2. *Calliphara nobilis* (Linné) (Nanahoshi-kinkamemushi).
 Fig. 3. *Rhynchosoris humeralis* (Thunberg) (Mikan-togekamemushi).
 Fig. 4. *Cantheconidea furcellata* (Wolff) (Ki-shimofuri-harikamemushi).
 Fig. 5. *Andrallus spinidens* (Fabricius) (Shiroheri-kuchibuto-kamemushi).
 Fig. 6. *Gonopsis affinis* (Uhler) (Ebiro-kamemushi).
 Fig. 7. *Anoplocnemis castanea* (Dallas) (Ashibuto-herikamemushi).
 Fig. 8. *Leptoglossus membranaceus* (Fabricius) (Ashibiro-herikamemushi).
 Fig. 9. *Riptortus clavatus* (Thunberg) (Hoso-herikamemushi).

PLATE II

- Fig. 10. *Brachyaulax miyakonis* Matsumura (Miyako-kinkamemushi).
 Fig. 11. *Scotinophara lurida* (Burmeister) (Kuro-kamemushi).
 Fig. 12. *Neodius depresso* (Ellenrider) (Tobihiro-kamemushi).
 Fig. 13. *Lagynotomus elongatus* (Dallas) (Ine-kamemushi).
 Fig. 14. *Eumenotes obscura* Westwood (Hirozu-kamemushi).
 Fig. 15. *Lygaeus fimbriatus* Dallas
 Fig. 16. *Metochus abbreviatus* Scott (Ô-monshiro-nagakamemushi).
 Fig. 17. *Dysdercus philippinus* Herrich-Schäffer (Shiro-jûji-kamemushi).
 Fig. 18. *Polytoxus* sp.
 Fig. 19. *Ectomocoris biguttulus* Stål (Kiboshi-sashigame).
 Fig. 20. *Pirates cinctiventris* Horváth (Kuro-sashigame).
 Fig. 21. *Euagoras plagiatus* (Burmeister) (Kiberi-higenaga-sashigame).
 Fig. 22. *Ectrychotes okinawensis* Matsumura (Okinawa-haraaka-sashigame).
 Fig. 23. *Rhynocoris fuscipes* (Fabricius) (Nakaguro-akasashigame).
 Fig. 24. *Polididus armatissimus* Stål (Toge-sashigame).
 Fig. 25. *Prostemma fasciatum* Stål.
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88頁8行「トコジラミ科2属5種」を「1属1種」に
訂正し「メクラカメムシ科6属7種」「アシプトメミ
ズムシ科1属1種」を挿入、同頁9行「ミズムシ科1
属1種」を「2属2種」に訂正

琉球産異翅半翅類目録（摘要）

高良鉄夫

本報文は琉球（旧沖縄県）産の異翅半翅類について従来の記録と琉球大学農家政学部昆虫学研究室所蔵の標本にもとづいてまとめたものである（但し1部は九州大学農学部昆虫学教室の標本による）。学名を整理し且つ分布、食性等に関する知見を附記して153種を掲げた。これを分類学的に区分すると、ツチカメムシ科4属4種、マルカメムシ科2属5種、カメムシ科30属34種、ヘリカメムシ科11属18種、ナガカメムシ科17属26種、ホシカメムシ科2属5種、グンバイムシ科2属3種、ミヅカメムシ科1属1種、イトアメンボ科1属1種、カタビロアメンボ科1属1種、アメンボ科7属8種、サンガメ科15属19種、マキバサンガメ科2属2種、トコジラミ科2属5種、タガメ科3属3種、タイコウチ科2属5種、マツモムシ科3属7種、ミヅムシ科1属1種となる。これらの中29属32種は分布上琉球から新に記録されるものである。なお従来記録されているものの中で若干の疑問種については保留し、又本文に収録されていないもので目下同定中の種類も若干あるが、これらについては別途報告する。

1) 琉球から新に記録される種類

Family CYDNIDAE Billberg, 1820 ツチカメムシ科

Macroscytus subaeneus Dallas, 1851 ツチカメムシ 産地：沖縄島。稀な種類に属する。分布：日本。

Geotomus pygmaeus (Dallas, 1851) ヒメツチカメムシ 産地：沖縄島。分布：日本、支那、馬来群島等。

Family PLATASPIDAE Dallas, 1851 マルカメムシ科

Coptosoma siamicum Walker, 1867 産地：沖縄島。稀な種類に属する。分布：台湾、馬来群島、ビルマ、印度、北オーストラリア。

Family PENTATOMIDAE Leach, 1815 カメムシ科

Neodius depressus (Ellenrieder, 1862) トビイロカメムシ 産地：沖縄島。稀な種類に属する。分布：台湾、ボルネオ、スマトラ等。

Rhynchocoris humeralis (Thunberg, 1783) ミカントゲカメムシ 産地：沖縄島、石垣島。ミカンの汁を吸収加害する。分布：台湾、支那、フィリピン、印度支那、タイ、ジャバ、ビルマ、印度。

Eumenotes obscura Westwood, 1847 ヒロヅカメムシ 産地：沖縄島。分布：日本（奄美大島）、台湾、馬来群島、ビルマ、印度。

Family LYGAEIDAE Schiller, 1829 ナガカメムシ科

Lygaeus fimbriatus Dallas, 1852 産地：沖縄島、尖閣列島。分布：支那、ビルマ、アッサム。

Nisius sp. 産地：沖縄島。分布：不明。

Altomarus sp. ? 産地：沖縄島。分布：不明。

Cymus tabaci Matsumura, 1910 産地：沖縄島。分布：台湾。

Pachybrachius scotti Distant, 1901 スコットヒヨウタンナガカメムシ 産地：沖縄島。分布：日本、台湾、ビルマ、セイロン、アッサム等。

Pachybrachius rusticus (Scott, 1874) サビヒヨウタンナガカメムシ 産地：沖縄島。分布：

日本。

Pachybrachius geniculatus (Motschulsky, 1863) 産地：沖縄島，石垣島。分布：ビルマ，セイロン。

Pachybrachius sp. 産地：沖縄島。分布：不明。

Aphanus sp. 産地：石垣島。分布：不明。

Lethaeus sp. 産地：沖縄島。分布：不明。

Dieuches uniformis Distant, 1904 産地：沖縄島。分布：印度。

Metochus abbreviatus Scott, 1874 オオモンシロナガカメムシ 産地：石垣島。分布：日本，台湾等。

Family TINGIDAE Laporte, 1832 グンバイムシ科

Monanthia formosa Drake, 1923 チシャノキグンバイ 産地：沖縄島，石垣島。*Ehretia* spp. の葉裏に群棲する。分布：日本，台湾，フィリッピン。

Family MESOVELIIDAE Handlirsch, 1908 ミヅカメムシ科

Mesovelia orientalis Kirkaldy, 1900 ミヅカメムシ 産地：沖縄島，宮古島，石垣島。分布：日本，台湾，馬来，印度等。

Family REDUVIIDAE Latreille, 1807 サンガメ科

Staccia diluta (Stål, 1859) ヒメトビイロサシガメ 産地：沖縄島。分布：日本，台湾，ビルマ，印度。

Polytoxus sp. 産地：沖縄島，石垣島。分布：不明。

Sirthenea flavipes (Stål, 1855) キイロサシガメ 産地：沖縄島，石垣島。灯火に飛来する。刺痛は激烈である。分布：日本，台湾，南支那，フィリッピン，ボルネオ，ジャバ，セイロン，アッサム，印度。

Ectrychotes sp. 産地：沖縄島。分布：不明。

Rhynocoris fuscipes (Fabricius, 1787) ナカグロアカサシガメ 産地：石垣島。分布：台湾，セイロン，印度等。

Polididus armatissimus Stål, 1859 トゲサシガメ 産地：沖縄島，石垣島。分布：日本，台湾，支那，フィリッピン，ビルマ，セイロン，印度等。

Family NABIDAE Costa, 1852 マキバサシガメ科

Prostemma fasciata Stål, 1873 産地：沖縄島。分布：日本（奄美大島），台湾。

Nabis ferus Linne, セスジマキバサシガメ 産地：沖縄島。分布：日本，シベリヤ，ヨーロッパ，北アメリカ等。

Family MIRIDAE Hahn, 1831 メクラカムシ科

Lygus sp. 産地：沖縄島。分布：不明。

Trigonotylus ruficornis Geoffroy, 1758 アカヒゲホソミドリメクラカメ 産地：石垣島，西表島。分布：日本，全アジア，全ヨーロッパ，北アメリカ，北アフリカ等。

Mecisodscelis scirtetoides Reuter, 1891 カモドキメクラカメ 産地：沖縄島。山間地の竹藪に多い。分布：日本，台湾，ジャバ等。

Family CORIXIDAE Dohrn, 1859 ミヅムシ科

Sigara substriata (Uhler, 1896) コミヅムシ 産地：沖縄島。水田の中に普通に見られる。分布：日本，朝鮮，台湾，印度等。

2) 琉球における農作物の重要な害虫

Family PENTATOMIDAE カメムシ科

Scotinophara lurida (Burmeister) クロカメムシ 4月～10月にかけて発生し、稻、甘蔗の汁液を吸収する。特に山間地の水田に多い。

Lagynotomus elongatus (Dallas) イネカメムシ 稻の重要な害虫、6月頃出現し局地的に大発生する。

Eurydema pulchra (Westwood) ヒメナガメ 殆んど年中見られるが、特に10～4月にかけて十字花科蔬菜を加害する。

Nezara viridula (Linne) ミナミアオカメムシ 成虫、幼虫ともに稻、豆類、十字花科蔬菜を加害する。特に山間地の水田に多い。

Piezodorus rubrofasciatus (Fabricius) イチモンジカメムシ 豆類の重要な害虫、特に6月～9月にかけて小豆に多く発生する。

Family COREIDAE ヘリカメムシ科

Anoplocnemis castanea (Dallas) アシブトヘリカメムシ 豆科作物を加害するもので特に7月～9月にかけて多く出現する。

Leptoglossus membranaceus (Fabricius) アシビロヘリカメムシ ウリ類を加害するもので、特に7月～8月にかけてニガウリの被害は著しい。

Acanthocoris sordidus (Thunberg) ホウズキヘリカメムシ 殆んど年中見られる。各種作物特に茄科、ヒルガオ科作物に多く、山間地では甘藷に大発生することがある。

Cletus trigonus (Thunberg) ホソハリカメムシ 局地的に大発生することがある。特に1期作水稻の出穂後の発生は被害が著しい。

Leptocoris varicornis (Fabricius) クモヘリカメムシ 殆んど年中見られるが、特に1期作水稻に多く発生する。

Riptortus clavatus (Thunberg) ホソヘリカメムシ 豆科作物を加害するもので、特に大豆、小豆、ハブソウに多い。

Family LYGAEIDAE ナガカメムシ科

Ischnodemus saccharivorus (Okajima) カンショコバネナガカメムシ 甘蔗の心葉から汁液を吸収する。発生の多いときは葉が黄変する。天敵（卵寄生蜂）によって制圧され大発生に至ることは稀である。

Family PYRRHOCORIDAE ホシカメムシ科

Dysdercus megalopygus Breddin アカホシカメムシ 殆んど年中発生する。普通はオオハマボウ、ムクゲ等にみられるが、オクラの開花結実期になるとこれに集中する。

Family TINGIDAE グンバイムシ科

Stephanitis pyrioides Scott ツツジグンバイ ツツジ類の葉裏に群棲するもので、特に4月～6月にかけて多く発生する。

Family MIRIDAE メクラカメムシ科

Halticus tibialis Reuter クロトビメクラカメムシ 殆んど年中見られるが、特に9月～10月にかけて甘藷、ウリ類に局地的に大発生することがある。

本稿を草するに当って故江崎悌三博士、宮本正一助教授、日高輝辰氏から種々御教示や助言を賜ったので特に附記して感謝の意を表す。