HETEROPTERA OF QUELPART ISLAND (CHEJUDO)

MIYAMOTO, SYÔITI
Biological Laboratory, General Education Department, Kyushu University

LEE, CHANG EON
Entomological Laboratory, Faculty of Agriculture, Kyushu University

https://doi.org/10.15017/7343648

出版情報：Sieboldia : acta biologica . 3 (4), pp.313-411, 1966-12-30. 九州大学教養部生物学教室
バージョン：
権利関係：

HETEROPTERA OF QUELPART ISLAND (CHEJUDO)

SYÔITI MIYAMOTO

(Biological Laboratory, General Educational Department, Kyushu University)

and

CHANG EON LEE*

(Entomological Laboratory, Faculty of Agriculture, Kyushu University)**

In the present paper we give a list of Heteropterous insects of Quelpart Island. The list contains 149 species in total under 129 genera and 23 families. Among them 130 species were collected by the junior author in the summers of 1956, 1962 and 1965, and 7 species are new to science and 114 species have hitherto been unrecorded from the Island. Moreover, 46 species are newly recorded from the fauna of Korea.

The types described in the following passages are kept in the collection of Entomological Laboratory, Kyushu University and the allotype and some paratypes in the collection of Biological Laboratory, Liberal Arts and Sciences College, Kyungpook University.

The Island of Cheju is the largest island of the country, far away from the southern end of the peninsular Korea, and is located southwest of Tsushima, about one hundred miles west of the Goto Archipelago and almost on the same latitude as northern Kyushu. In Korea, Quelpart Island is usually called as Cheju-do, but the -do has two meanings, viz. the prefecture and the island, and there is no difference in pronunciation between them in Korea. The name of the island, in Korean pronunciation, may be spelled either Jeju or Cheju, some use the former and others write the latter.

The administrative Cheju Prefecture is divided into 1 city and 2 districts which include 3 towns and 9 villages, while the prefecture comprises Quelpart main Island, the Chuja Archipelago and many smaller adjacent islands. The Chuja Archipelago lies between the main island and the southwest point of the peninsula, and is fairly distinct from the proper island but is an administrative boundary (Village) belonging to the Pookcheju District. But in this paper the Quelpart Island refers ex-

* Formerly it was expressed as Chang-eon LEE.

** Home address: atter May 1967, Dept. of Biology, Liberal Arts and Sciences College, Kyungpook University, Taegu, Korea.

clusively to the main island.

Before going further, we must express our hearty thanks to Professor K. Yasumatsu, Entomological Laboratory, Kyushu University for his kind encouragement and help in many ways. Thanks are also due to Professor T. Shirôzu, Biological Laboratory of General Education Dept., Kyushu University, and Mr. H. Hasegawa, Labolatory of Insect Identification and Taxonomy, National Institute of Agricultural Sciences, Nishigahara, Tokyo, for their kind help in various ways. We are much obliged to Messrs. M. Y. Lee, Y. C. Lee, S. K. Kim, K. M, Choi, J. H. Park, S. G. Park & T. S. Choi for their assistance in collecting materials.

Family **Plataspidae**

Coptosoma punctissimum Montandon, 1894

Coptosoma punctissimum Montandon, 1894, Ann. S. E. Belg. **38**: 105.
Coptosoma punctissimum: Oshanin, 1906, Verz. Pal. Hem. **1**: 4.
Coptosama punctissimum: Doi, 1936, J. Chosen Nat. Hist. Soc. 21: 104.
Coptosoma punctissimum: Haku, 1937, ibid. 22: 70.
Coptosoma punctissimum: Tanaka, 1941, ibid. 8 (31).
Coptosoma punctissimum: Cho, P. S., 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Coptosoma punctissimum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 76, pl. 39 fig. 13.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 3♂♂, 3. viii. 1959, C. E. Lee, 1♂, 10. viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 17. ix. 1965, C. E. Lee; Phagae Temple, 1♂, 24. x. 1960, Budoam, Donghwa Temple, 2♂♂, 3♀♀, 12. ix. 1959, C. E. Lee; Ulneong Is., 1♂, 1♀, viii. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 7♂♂, 2♀♀, 10. viii. 1960, 3♂♂, 6♀♀, 10. ix. 1960, 3♂♂, 3. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♀, 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: Central Korea—Mt. Keomkang (Cho, 1947), South Korea—Chikji Temple, Kimcheon (Doi, 1936, Haku leg.).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), China (Shanghai).

Coptosoma biguttulum Motschulsky, 1859

Coptosoma biguttulum Motschulsky, 1859, Bull. Soc. Nat. Mosc. **4**: 501.
Coptosoma biguttulum: Oshanin, 1906, Verz. Pal. Hem. **1**: 3.
Coptosoma biguttulum: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 46.
Coptosoma biguttula: Yang, 1934, Bull. Fan. Mem. Inst. Biol. (Zool.) **5** (3): 207-209, fig. 35.

Coptosoma biguttula: Wu, 1935, Cat. Ins. Sin. **2**: 256.
Coptosoma biguttulum: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 17.
Coptosoma biguttulum: Masaki, 1936, Kontyû **10** (5): 269.
Coptosoma biguttulum: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 70.
Coptosoma biguttulum: Ishihara, 1937, Ent. World **5** (41): 477.
Coptosoma biguttulum: Nagaoka, 1938, ibid. **6** (46): 26.
Coptosoma biguttulum: Tanaka, 1939, ibid. **7** (69): 677.
Coptosoma biguttulum: Tanaka, 1941, J. Chosen Nat. Hist. Soc. **8** (31).
Coptosoma biguttulum: Tanaka, 1941, Ent. World **10** (104): 660.
Coptosoma biguttulum: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Coptosoma biguttulum: Hasegawa, 1960, Bull. Nagaoka Mun. Mus. **1**: 22.
Coptosoma biguttulum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 75, pl. 38 fig. 12.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 4♂♂, 11♀♀, 16. ix. 1960, 1♂, 1♀, 27. ix. 1965, C. E. Lee; Samsan, Taegu, 2♂♂, 6. x. 1959; Ulneong Is., 1. viii. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 11. viii. 1965, Ponggae, 1♂, 13. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Sinlye, Namweon, 2♂♂, 17. viii, 1965, Pyoseon, 1♂, 2♀♀, 18. viii. 1965, C. E. Lee, Y. C. Lee, & J. H. Park.

Localities: North Korea—Pyungyang, Peckpong (Doi, 1932), Sambanghyeop, Mt. Myohyang (Nagaoka, 1942); Central Korea—Seoul area (Tanaka, 1941), Mt. Keomkang (Cho, 1947), Kanghwa Is. (Masaki, 1936); South Korea—Taega (Haku, 1937), Jindo Is., Jeonnam (Masaki, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), Manchuria, China, Tibet, E. Siberia.

Coptosoma parvipictum Montandon, 1893

Coptosoma parvipictum Montandon, 1893, Rev. Ent. **11**: 281.
Coptosoma parvipictum: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 22.

Specimens examined: Chejudo—Kwaneom Temple, 3♀♀, 27 & 28. vii. 1962, Taejeong, Moseolpho, 2♂♂, 31. vii. 1962, C. E. Lee & M. Y. Lee.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Honshu, Shikoku, Kyushu), China.

Family **Pentatomidae**

Subfamily **Scutellerinae**

Eurygaster sinica Walker, 1867

Eurygaster maurus: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 46.

Eurygaster sinica: Doi, 1933, ibid. 15: 91.
Eurygaster sinica: Yamada, 1936, ibid. 21: 17, 23.
Eurygaster sinica: Masaki, 1936, Kontyû **10** (5): 269.
Eurygastcr sinica: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 71.
Eurygaster sinica: Ishihara, 1937, Ent. World **5** (41): 479.
Eurygaster sinica: Tanaka, 1942, ibid. **10** (104): 660.
Eurygaster sinica: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 76.
Eurygaster sinica: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 76, pl. 38, fig. 19.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 30. viii. 1959, 4♂♂, 7♀♀, 10. viii. 1961, 1♂, 2♀♀, 3. x. 1965, C. E. Lee; Phagae Temple, 1♂, 2♀♀, x. 1965, C. E. Lee, 1♀, 24. x. 1960, C. E. Lee; Donghwa Temple, 1♂, 2♀♀, 27. ix. 1965, C. E. Lee; Eonhae Temple, 1♀, 9. x. 1965, K. M. Choi & J. H. Park.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 3. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 5♂♂, 8♀♀, 4 nym., 28. vii. 1962, C. E. Lee, M. Y. Lee, J. K. Lee, K. B. Chang & D. E. Lee; Ponggae, 3♂♂, 12 & 13. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: North Korea—Pyungyang, Ahobilyeong (Doi, 1932), Sambanghyeop, Kodusan (Tanaka, 1942), Central Korea—Seoul area (Doi, 1932), Kanghwa Is. (Masaki, 1936), Mt. Keomkang (Cho, 1947), South Korea—Taegu area (Haku, 1937), Nejangsan, Chilbosan, Jeonnam (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), China.

Subfamily **Podopinae**

Graphosoma rubrolineatum (Westwood, 1837)

Graphosoma rubrolineatum: Kirkaldy, 1901, Entmologist: 52.
Graphosoma rubrolineatum: Oshanin, 1906, Verz. Pal. Hem. **1**: 67.
Graphosoma rubrolineatum: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 67.
Graphosoma rubrolineatum: Furukawa, 1930, Kontyû **4** (1): 54.
Graphosoma rubrolineatum: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Graphosoma rubrolineatum: Esaki, 1932, Icon. Ins. Jap.: 1566, fig. 3092.
Graphosoma rubrolineatum: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 23.
Graphosoma rubrolineatum: Tanaka, 1939, Ent. World **7** (69): 677.
Graphosoma rubrolineatum: Tanaka, 1942, ibid. **10** (104): 660.
Graphosoma rubrolineatum: Tanaka, 1942, ibid. **10** (105): 707.
Graphosoma rubrolineatum: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 76.
Graphosoma rubrolineatum: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 189, fig. 470.

Graphosoma rubrolineatum: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 30.
Graphosoma rubrolineatum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 76, pl. 38, fig. 20.

Specimens examined: Kyungsangpookdo—Mt. Thaebek, north border of Kyungpook Province, 1♀, 8. viii. 1959, C. E. Lee & T. S. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 2♀♀, 3. ix. 1960, C. E. Lee.

Chejudo—Cheju City area, 1♂, 1♀, 27. vii. 1962, C. E. Lee & M. Y. Lee; Sinlye, Namweon, 3♂♂, 3♀♀, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Korniloff, near Weonsan (Kirkaldy, 1901), Pyungyang, Seongcheon, Pekbong, Mt. Daedeok, Mt. Peckam (Doi, 1932), Gaema Plateau (Tanaka, 1942); Central Korea—Seoul area (Doi, 1932), Mt. Keomkang (Tanaka, 1939; Cho, 1947); South Korea; Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, China, Manchuria, Amur, Siberia, Europe.

Dybowskyia reticulata (Dallas, 1851)

Bolbocoris reticulatus Dallas, 1851, List **1**: 45.
Dybowskyia ussuriensis Jakovlev, 1876, Bull. S. N. Mosc. **3**: 37.
Bolbocoris reticulatus: Oshanin, 1906, Verz. Pal. Hem. **1**: 60.
Dybowskyia reticulata: Doi, 1934, J. Chosen Nat. Hist. Soc. 17: 68.
Dybowskyia reticulata: Yamada, 1936, ibid. 21: 17.
Dybowskyia reticulata: Haku, 1937, ibid. 22: 71.
Dybowskyia reticulata: Ishihara, 1937, Ent. World **5** (4): 479.
Dybowskyia reticulata: Nagaoka, 1940, ibid. 8 (77): 477.
Dybowskyia reticulata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 76, pl. 38, fig. 21.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 7♂♂, 4♀♀, 30. viii. 1959, C. E. Lee, 2♂♂, 21. viii. 1962, C. E. Lee & M. Y. Lee; Phagae Temple, 1♂, 1♀, 21. ix. 1960, C. E. Lee; Donghwa Temple, 2♂♂, 1♀, 12. ix. 1959, 1♂, 27. ix. 1965, C. E. Lee; Ulneong Is., 1♂, viii. 1960, C. E. Lee.

Chejudo—Ponggae, 1♂, 1♀, 13. viii. 1915, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: North Korea—Mt. Myohyang (Nagaoka, 1940); Central Korea—Seoul area (Doi, 1934); South Korea—Naejangsan, Jeonnam (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), Manchuria, China, Ussuri, Siberia.

Scotinophara lurida (Burmeister, 1834)

Tetyra lurida Burmeister, 1834, Nov. Act. Acad. Leopold **16**, Suppl.: 288.
Scotinophara lurida: Oshanin, 1906, Verz. Pal. Hem. **1**: 71.
Scotinophara lurida: Masaki, 1936, Kontyû **10** (5): 269.
Scotinophara lurida: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 30.
Scotinophara lurida: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 76, pl. 38, fig. 22.

Specimens examined: Kyungsangpookdo—Chikji Temple, Kimcheon, 1♂, 2. viii. 1962, C. E. Lee & M. Y. Lee.

Chejudo—Seongsanpho, 1♂, 2. viii. 1962, C. E. Lee & M. Y. Lee.

Locality: South Korea—Yockji Is., Jeonnam (Masaki, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu Shikoku, Kyushu, Tsushima), Ryukyus, Formosa, China, India (Assam), Celebes.

Scotinophara scotti Horváth, 1879

Scotinophara scotti Horváth, 1879, Termész. Füzet. **3**: 144.
Scotinophara scotti: Oshanin, 1906, Verz. Pal. Hem. **1**: 71.
Scotinophara scotti: Esaki, 1932, Icon. Ins. Jap.: 1568, fig. 3095.
Scotinophara scotti: Yamada, 1936, J. Chosen Nat. Hist. Sci. 21: 23.
Scotinophara scotti: Masaki, 1936, Kontyû **10** (5): 269.
Scotinophara scotti: Ishihara, 1937, Ent. World **5** (41): 480.
Scotinophara scotti: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 190, fig. 473.
Scotinophara scotti: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 30.
Scotinophara scotti: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 76, pl. 38, fig.

Specimens examined: Kyungsangnamdo—Chungmu, 1♂, 20. vii. 1961, C. E. Lee & M. Y. Lee.

Chejudo—Seongsanpho, 2♂♂, 2♀♀, 6 nym., 2. viii. 1912, C. E. Lee & M. Y. Lee; Keomack, Hanlim, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Beopho, Seogwipho, 1♀, 16. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Locality: South Korea—Chindo, Jeonnam (Masaki, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Kyushu), Formosa, China.

Subfamily **Pentatominae**

Aelia fieberi Scott, 1874

Aelia fieberi Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 297.

Aelia fieberi: Oshanin, 1906, Verz. Pal. Hem. **1**: 90.
Aelia fieberi: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 69.
Aelia fieberi: Furukawa, 1930, Kontyû **4** (1): 54.
Aelia fieberi: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 48.
Aelia fieberi: Kamijo, 1933, ibid. 15: 13.
Aelia fieberi: Doi, 1933, ibid. 15: 19.
Aelia fieberi: Yamada, 1936, ibid. 21: 17.
Aelia fieberi: Masaki, 1936, Kontyû **10** (5): 269.
Aelia fieberi: Ishihara, 1937, Ent. World **5** (41): 480.
Aelia fieberi: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. Korea **2** (3): 76.
Aelia fieberi: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 192, fig. 479.
Aelia fieberi: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 25.
Aelia fieberi: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 77, pl. 39, fig. 5.

Specimens examined: Kyunsangpookdo—Phagae Temple, 1♂, 3♀♀, 24. x. 1964, C. E. Lee & M. Y. Lee; Mt. Phalgong, 3♂♂, 30. viii. 1959, C. E. Lee, 1♂, 1♀, 25. ix. 1960, C. E. Lee; 2♀♀, 10. viii. 1961, C. E. Lee, 3♂♂, 1♀, 3. x. 1964, 1♂, 1♀, 17. ix. 1965, C. E. Lee; Taegu area, 3♂♂, 5♀♀, 25. ix. 1960, Songrim Temple, 1♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, 1♂, 10. iv. 1960, 1♂, 1♀, 10. x. 1960, C. E. Lee.

Localities: North Korea—Pyungyang (Doi, 1932); Central Korea—Suweon (Furukawa, 1930), Kanghwa Is. (Masaki, 1936); South Korea—Jeonnam, Pusan (Yamada, 1936), Mt. Phalgong (Kamijo, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Kyushu), China, Manchuria.

Eysarcoris ventralis (Westwood, 1837)

Eysarcoris ventralis: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 92.
Eysarcoris ventralis: Yamada, 1936, ibid. 21: 17, 23.
Eysarcoris ventralis: Haku, 1937, ibid. 22: 71.
Eysarcoris ventralis: Ishihara, 1937, Ent. World **5** (41): 480.
Eysarcoris ventralis: Nagaoka, 1940, ibid. 8 (77): 477.
Eysarcoris ventralis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 25.
Eysarcoris ventralis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 77, pl. 39, fig. 7.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 2♀♀, 9. x. 1959, C. E. Lee, 1♀, 30. ix. 1962, C. E. Lee & M. Y. Lee, 2♀♀, 27. ix. 1965, C. E. Lee; Kyungpook University campus, 1♂, 2♀♀, 1. ix. 1960, 3♀♀, 10. ix. 1960, 1♂, 24. ix. 1960, C. E. Lee; Kosankol, Taegu, 2♂♂, 1♀, 18. vii. 1960, 2♀♀, 25. ix. 1960, C. E. Lee; Mt. Phalgong, 1♀, x. 1960, C. E. Lee;

Unmun Temple, Cheongdo, 2♀♀, 18. vi. 1961, C. E. Lee & M. Y. Lee; Taegu area, 1♂, 29. vii. 1960, Shincheondong, Taegu, 8♂♂, 10♀♀, 15–30. viii. 1961, C. E. Lee & M. Y. Lee; Phagae Temple, 1♂, 3♀♀, 3. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 10. ix. 1960, C. E. Lee; Samlangjin, 1♂, 1♀, 24. v. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Chejudo—Cheju City area, 1♀, viii. 1956, C. E. Lee.

Localities: North Korea—Mt. Myohyang (Nagaoka, 1940); South Korea—Sangri, Jeonnam & Pusan (Yamada, 1936), Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, Formosa, Philippines, China, Oriental R.

Eysarcoris guttiger (Thunberg, 1783)

Cimex guttigerus Thunberg, 1783, Nov. Ins. Spec. **2** (32): 47.
Eysarcoris guttigerus: Oshanin, 1906, Verz. Pal. Hem. **1**: 98.
Eysarcoris guttiger: Yamada, 1936 J. Chosen Nat. Hist. Soc. 21: 16, 23.
Eysarcoris guttiger: Doi, 1936, ibid. 21: 105.
Eysarcoris guttiger: Ishihara, 1937, Ent. World **5** (41): 461.
Eysarcoris guttiger: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 77, pl. 39, fig. 8.

Specimens examined: Kyungsangpookdo—Phagae Temple, 1♂, 1♀, 24. x. 1960, 1♂, 3. x. 1965, C. E. Lee; Taegu area, 7♂♂, 5♀♀, 2. x. 1961, C. E. Lee; Mt. Phalgong, 1♂, 30. ix. 1962, C. E. Lee & M. Y. Lee; Donghwa Temple, 1♂, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, 4♂♂, 3♀♀, 9. ix. 1958, C. E. Lee.

Chejudo—Cheju City area, 2♀♀, viii. 1956, C. E. Lee; Kwaneom Temple, 5♂♂, 8♀♀, 27 & 28. vii. 1962, Beopho, Seogwi-Eop, 4♀♀, 30. vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, D. E. Lee & J. K. Lee; Taejeong, 1♂, 3♀♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Chungmun, 2♀♀, 1. viii. 1962, Seongsanpho, 4♀♀, 2. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, Cheju City, 4♂♂, 13. viii. 1965, Keomack, Hanlim, 2♂♂, 6♀♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Donghong, Topyung, Seogwi-Eop, 2♀♀, 1 nym., 16. viii. 1965, C. E. Lee, Y. C. Lee, & J. H. Park.

Localities: Central Korea—Mt. Soyo (Doi, 1936); South Korea—Naejangsan, Jeonnam & Pusan (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, Formosa, China, Indo-China, Malay, India, Ceylon.

Eysarcoris fallax (Breddin, 1909)

Eusarcoris fallax Breddin, 1909, Ann. Soc. Ent. Belg. **53**: 274, fig. 10.
Eysarcoris fallax: Kobayashi, 1960, Appl. Ent. & Zool. **4** (2): 73-95, figs

Eysarcoris fallax: Hasegawa, 1961, Plant Protection **15** (4): 144, fig. 2.
Eysarcoris fallax: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 77, pl. 39. fig. 11.

Specimens examined: Chejudo—Kwaneom Temple, 2♂♂, 5♀♀, 28. viii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee; Donghong, Seogwi-Eop, 2♂♂, 16. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Honshu, Kyushu, Tsushima), S. Vietnam.

Hermolaus amurensis Horváth, 1903

Hermolaus amurensis Horváth, 1903, Ann. Mus. Nat. Hung, **1**: 405.
Hermolaus amurensis: Asahina et Hasegawa, 1952, Gakujutsu-Geppo, Bessatsu Shiryo **40**: 67.
Hermolaus amurensis: Hasegawa, 1954, Rep. Sci. Res. Ozegahara Moor: 763.

Specimen examined: Chejudo—Pyoseon, 1♀, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Honshu, Hokkaido), Amur.

Sepontia aenea Distant, 1883

Sepontia aenea Distant, 1883, Trans. Ent. Soc. London: 422.
Sepontia aenea: Esaki, 1950, Icon. Ins. Jap.: 194, fig. 485.
Sepontia aenea: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 77, pl. 39, fig. 12.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♀, 27. ix. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♀♀, 10. viii. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♀, 28. vii. 1962, C. E. Lee & M. Y. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu).

Carbula putoni (Jakovlev, 1876)

Eusarcoris putoni Jakovlev, 1876, Trud. Russ. Ent. Ob. **9**: 216.
Carbula putoni: Oshanin, 1906, Verz. Pal. Hem. **1**: 99.
Carbula humerigera: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Carbula crassiventris: Doi, 1933, ibid. 15: 91.
Carbula putoni: Doi, 1935, ibid. 20: 15.
Carbula crassiventris: Yamada, 1936, ibid. 21: 22.
Carbula putoni: Haku, 1937, ibid. 22: 70.

Carbula putoni: Tanaka, 1939, Ent. World **7** (69): 677.
Carbula putoni: Tanaka, 1942, ibid. **10** (105): 707.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 4♀♀, 17. ix. 1965, 2♀♀, 3. x. 1965, C. E. Lee; Donghwa Temple, 1♂, 5♀♀, 27. ix. 1965, C. E. Lee, 5♂♂, 3♀♀, 3. ix. 1960, 5♂♂, 1♀, 10. ix. 1960, C. E. Lee.

Chejudo—Yongchinkul, 2♂♂, 2♀♀, 28. vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, D. E. Lee & J. K. Lee.

Localities: North Korea—Peckpong, Musanlyeong (Doi, 1932); Central Korea—Mt. Keomkang & Mt. Seolack (Tanaka, 1939), Mt. Kariwang (Tanaka, 1942); South Korea—Mt. Phalgong (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Amur, Siberia.

Rubiconia intermedia (Wolff, 1811)

Cydnus intermedia Wolff, 1811, Abb. Wanz.: 182, pl. 18, f. 181.
Rubiconia intermedia: Oshanin, 1906, Verz. Pal. Hem. **1**: 100.
Rubiconia intermedia: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 92.
Rubiconia intermedia: Yamada, 1936, ibid. **21**: 23.
Rubiconia intermedia: Doi, 1938, Mushi **11** (1): 91.
Rubiconia intermedia: Tanaka, 1939, Ent. World **7** (69): 677.
Rubiconia ihtermedia: Tanaka, 1942, ibid. **10** (104); 660, **10** (105): 707.
Rubiconia intermedia: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 26.
Rubiconia intermedia: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 78, pl. 36, fig. 15.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 12. ix. 1959, C. E. Lee.

Kyungsangnamdo—Haein Temple, 1♂, 24. x. 1959, 2♂♂, 1♀, 10. viii. 1960, 1♂, 3♀♀, 3 & 10. x. 1960, C. E. Lee.

Chejudo—Cheju City area, 2♀♀, viii. 1956, C. E. Lee; Yongchinkul, 1♂, 29. vii. 1962, C. E. Lee, M. Y. Lee, J. K. Lee, K. P. Chang & D. E. Lee.

Localities: North Korea—Musan (Doi, 1933), Sambanghyeop (Tanaka, 1932), Gaema Plateau (Doi, 1938); Central Korea—Mt. Seolack (Tanaka, 1942); South Korea—Kyungpook & Kyungnam.

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu), Mongolia, China, Siberia, Europe.

Halyomorpha brevis (Walker, 1867)

Dalpada brevis Walker, 1867, Cat. Het. **1**: 226.
Halyomorpha picus: Maruta, 1929, Ann. Ag. Exp. Stat. Gov. Gen. Chosen **4** (6): 326.
Halyomorpha picus: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Halyomorpha picus: Yamada, 1936, ibid. 21: 23.

Halyomorpha picus: Haku, 1937, ibid. 22: 71.
Halyomorpha picus: Ishihara, 1937, Ent. World **5** (41): 481.
Halyomorpha picus: Nakayama et Okamoto, 1950, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **12** (3): 224.
Halyomorpha brevis: Esaki, 1955, Illust. Pocket Book Ins. Col. **2**: 165.
Halyomorpha brevis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 26.
Halyomorpha brevis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 78, pl. 39, fig. 16.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♀, 3. ix. 1959, 1♀, 14. ix. 1959, 1♀, 27. ix. 1959, C. E. Lee; Phagae Temple, 1♀, 3. ix. 1960, C. E. Lee; Chikji Temple, Kimcheon, 1♀, 9. vi. 1963, C. E. Lee; Mt. Phalgong, 1♂, 17. ix. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, 1♂, 10. x. 1960, C. E. Lee.

Chejudo—Keomack, Hanlim, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: Central Korea—Seoul area (Doi, 1932), Suweon (Maruta, 1929); South Korea—Taegu area (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, Formosa, China, Manchuria.

Carpocoris purpureipennis (De Geer, 1773)

Cimex purpureipennis De Geer, 1773, Mém. **3**: 258, pl. 13, fig. 15.
Carpocoris purpureipennis: Oshanin, 1906, Verz. Pal. Hem. **1**: 114.
Carpocoris purpureipennis: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen, **1** (2): 68.
Carpocoris purpureipennis var. *fuscipennis*: Furukawa, 1930, Kontyû **4** (1): 54.
Carpocoris nigricornis: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Carpocoris purpureipennis: Doi, 1933, ibid. 15: 91.
Carpocoris purpureipennis: Yamada, 1936, ibid. 21: 22.
Carpocoris purpureipennis: Doi, 1938, Mushi **11** (1): 90.
Carpocoris purpureipennis: Tanaka, 1942, Ent. World **10** (104): 660, **10** (105): 708.
Carpocoris purpureipennis: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 76.
Carpocoris purpureipennis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 78, pl. 39, fig. 18.

Localities: North Korea—Pyungyang, Peckpong (Doi, 1932), Gaema Plateau (Doi, 1938, Tanaka, 1942); Central Korea—Mt. Kariwang (Tanaka, 1942), Mt. Keomkang (Cho, 1942); South Korea—Donglye, Pusan, (Furukawa, 1930): Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), Manchuria, Mongolia, E. Siberia, Asia Minor, Kashmir, Europe.

Palomena angulosa (Motschulsky, 1861)

Cimex angulosus Motschulsky, 1861, Etud. Ent. **10**: 28.
Palomena angulosa: Stål, 1876, Enum. Hem. **5**: 75.
Palomena angulosa: Ichikawa, 1906, Hakubutsu no Tomo **6** (33): 183.
Palomena angulosa: Oshanin, 1906, Verz. Pal. Hem. **1**: 108.
Palomena angulosa: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 69.
Palomena angulosa: Furukawa, 1930, Kontyû **4** (1): 54.
Palomena angulosa: Doi, 1932, J. Chosen Nat. Hist Soc. 13: 47.
Palomena angulosa: Kamijo, 1933, ibid. 15: 13.
Palomena angulosa: Yamada, 1936, ibid. 21: 23.
Palomena angulosa: Ishihara, 1937, Ent. World **5** (41): 481.
Palomeua angulosa: Tanaka, 1939, ibid. **7** (67): 677.
Palomena angulosa: Tanaka, 1942, ibid. **10** (105): 707.
Palomena angulosa: Miyamoto, 1965, Icon. Ins. Ins. Jap. Col. Nat. **3**: 78, pl. 39, fig. 17.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 30. viii. 1959, 2♀♀, 23. x. 1960, 2♀♀, 27. x. 1960, C. E. Lee, 1 couple, 10. viii. 1961, 2♀♀, 27. ix. 1965, C. E. Lee & M. Y. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 3. ix. 1960, C. E. Lee.

Chejudo—Seongsanpho, 1♀, 2. viii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 2♂♂, 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: North Korea—Pyungyang (Doi, 1932); Central Korea—Mt. Phalgong, Kyungju (Kamijo, 1933); Cheju Is. (Ichikawa, 1906, Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu), China.

Dolycoris baccarum (Linné, 1758)

Cimex baccarum Linné, 1758, Syst. Nat. Ed. 10: 445.
Dolycoris baccarum: Reuter, 1880, Ent. Tidsk.: 128.
Dolycoris baccarum: Oshanin, 1906, Verz. Pal. Hem. **1**: 118.
Dolycoris baccarum: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 67.
Dolycoris baccarum var. *japonicum*: Furukawa, 1930, Kontyû **4** (1): 54.
Dolycoris baccarum: Saito, 1931, Bull. Agr. & Forest. Coll. Suigen, Chosen **4**: 72.

Dolycoris baccarum: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Dolycoris baccarum: Kamijo, 1933, ibid. 15: 13.
Dolycoris baccarum: Kambe, 1934, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **7** (4): 363.
Dolycoris baccarum: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 17.
Dolycoris baccarum: Kamijo, 1936, ibid. 21: 89.
Dolycoris baccarum: Masaki, 1936, Kontyû **10** (5): 269.
Dolycoris baccarum: Ishihara, 1937, Ent. World **5** (41): 487.
Dolycoris baccarum: Nagaoka, 1938, ibid. **6** (46): 26.
Dolycoris baccarum: Doi, 1938, Mushi **11** (1): 90.
Dolycoris baccarum: Saito, 1941, Bull. Agr. & Forest. Coll. Suigen **6**: 153.
Dolycoris baccarum: Tanaka, 1942, Ent. World **10** (104): 660, **10** (105): 708.
Dolycoris baccarum: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Dolycoris baccarum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 78, pl. 39, fig. 19.

Specimens examend: Kyungsangpookdo—Mt. Sopeck, north border of the province, 2♀♀, 5. viii. 1959, C. E. Lee & T. S. Choi; Donghwa Temple, 1♂, 12. ix. 1959, Phungkack, Cheongdo, 1♂, 23. iv. 1960, C. E. Lee; Phagae Temple, 1♂, 23. x. 1960, C. E. Lee; Mt. Phalgong, 2♀♀, 7. v. 1961, Unmun Temple, 1♂, 18. vi. 1961, C. E. Lee & M. Y. Lee; Kapche, Kyungsan, 1♀, 3♂♂, 12. iv. 61, C. E. Lee; Donghwa Temple, 4♂♂, 3♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Eonhae Temple, 4♂♂, 7♀♀, 9. x. 1965, K. M. Choi, J. H. Park, H. S. Park, K. H. Kim, Y. J. Ji, H. K. Shin, J. S. Chu; Dongmyeong, 2♂♂, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Samlangjin, 1♂, 24. v. 1964, C. E. Lee, S. K. Kim & Y. C. Lee; Haein Temple, Mt. Kaya, 1♂, 1♀, 10. x. 1964, C. E. Lee, Y. C. Lee & S. K. Kim, 3♂♂, 1♀, 8. xi. 1964, 2♂♂, 14. xii. 1964, C. E. Lee.

Chejudo—Pyoseon, 1♂, 12. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Pyungyang (Doi, 1932), Gaema Plateau (Doi, 1938, Tanaka, 1942); Central Korea—Suweon (Furukawa, 1930), Kanghwa Is. (Masaki, 1936), Mt. Kariwang (Tanaka, 1942), Mt. Keomkang (Cho, 1947); South Korea—Taegu, Kyungsan (Kamijo, 1933), Mockpo (Kamijo, 1936), Jaeon Is. (Masaki, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), Saghaline, Manchuria, China, Siberia, Europe, India.

Agonoscelis antennata Distant, 1911

Agonoscelis antennata Distant, 1911, Ann. Mag. Nat. Hist. (8) **7**: 343-344.

Locality: Cheju Is. (Distant, 1911, Ichikawa leg.).

Distribution: Quelpart Is.

Plautia crossota var. **stali** Scott, 1874

Plautia stali Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 295.
Plautia fimbriata: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 67.
Plautia stali: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Plautia stali: Yamada, 1936, ibid. 21: 17.
Plautia stali: Haku, 1937, ibid. 22: 71.
Plautia stali: Ishihara, 1937, Ent. World **5** (41): 482.
Plautia stali: Nagaoka, 1940, ibid. 8 (77): 476.
Plautia stali: Tanaka, 1942, ibid. **10** (105): 708.
Plautia stali: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 28.
Plautia stali: Urata, 1963, Tsukushi no Kontyû **18** (1/2): 33.
Plautia crossata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 79, pl. 40, fig. 2.

Specimens examined: Kyungsangpookdo—Mt. Sopeck, north border of the province, 1♂, 5. viii. 1959, C. E. Lee & T. S. Choi; Donghwa Temple, 1♂, 3. ix. 1959, C. E. Lee, 2♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Mt. Phalgong, 1♂, 1♀, 12. viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 17. ix. 1965, C. E, Lee, K. M. Choi & J. H. Park.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 9. x. 1960, C. E. Lee.

Chejudo—Taejeong-Eop, 1♂, 31. vii. 1962, C. E. Lee & M. Y. Lee.

Localities: North Korea—Mt. Myohyang (Nagaoka, 1940); Central Korea—Seoul area (Doi, 1930); South Korea—Taegu area (Haku, 1937), Jeonnam (Yamada, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, China.

Glaucias subpunctatus (Walker, 1867)

Pentatoma subpunctata Walker, 1867, Cat. Het. **2**: 307.
Glaucias subpunctatus: Kirkaldy, 1909, Cat. Hem. **1**: 126.
Glaucias subpunctatus: Hasegawa, 1954, Bull. Nat. Ins. Agr. Sci. (C) **4**: 222.
Glaucias subpunctatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 79, pl. 40, fig. 3.

Specimen examined: Chejudo—Keomack, Hanlim, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Distribution: Quelpart Is. (new record for whole Korea), Japan (Honshu, Shikoku, Kyushu, Tsushima), Oriental R.

Eurydema rugosum Motschulsky, 1861

Eurydema rugosa Motschulsky, 1861, Etud. Ent. **10**: 22.

Eurydema rugosum: Oshanin, 1906, Verz. Pal. Hem. **1**: 137.
Eurydema rugosum: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 66.
Eurydema rugosa: Furukawa, 1930, Kontyû **4** (1); 55.
Eurydema rugosum: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 17.
Eurydema rugosum: Kamijo, 1933, ibid. 15: 13.
Eurydema rugosa: Yamada, 1936, ibid. 21: 16.
Eurydema rugosum: Kamijo, 1936, ibid. 21: 89.
Eurydema rugosa: Masaki, 1936, Kontyû **10** (5): 269.
Eurydema rugosa: Ishihara, 1937, Ent. World **5** (41): 483.
Eurydema rugosa: Tanaka, 1939, ibid. **7** (69): 677.
Eurydema rugosa: Nagaoka, 1940, ibid. **8** (77): 476.
Eurydema rugosa: Doi et Tanaka, 1941, Mushi **12** (2): 115, 119-126, pl. 3 fig. 12.
Eurydema rugosa: Tanaka, 1942, Ent. World **10** (104): 660, **10** (105): 708.
Eurydema rugosa: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Eurydema rugosa: Hasegawa, 1960, Bull. Nagaoka Mum. Sci. Mus. **1**: 27.
Eurydema rugosum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 76, pl. 39, fig. 21.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 1♀, 13. ix. 1959, C. E. Lee; Unmun Temple, 1♂, 4♀♀, 18. vi. 1961, C. E. Lee & M. Y. Lee; Kyungpook Univ. campus, 2 couples, 29. vi. 1961, 6 couples, 14-19. vii. 1961, C. E. Lee & M. Y. Lee; Donghwa Temple, 2♂♂, 4♀♀, 12. viii. 1961, C. E. Lee & M. Y. Lee; Shincheondong, Taegu, 2♂♂, 30. viii. 1961, C. E. Lee; Chikji Temple, 3♂♂, 1♀, 16. vi. 1962, C. E. Lee & M. Y. Lee; Donghwa Temple, 2♂♂, 17. ix. 1965, C. E. Lee, Y. C. Lee, J. H. Park & K. M. Choi; Eonhae Temple, 2♂♂, 9. x. 1965, J. H. Park & K. M. Choi; Songrim Temple, 1♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Chungmu, 1♂, 22. vii. 1961, C. E. Lee; Haein Temple, Mt. Kaya, 5♂♂, 1♀, 2 & 3. ix. 1961, C. E. Lee & M. Y. Lee.

Localities: North Korea—Pyungyang, Peckpong (Doi, 1932), Mt. Myohyang (Nagaoka, 1940), Gaema Plateau (Tanaka, 1942); Central Korea—Suweon (Furukawa, 1930), Seoul area (Doi, 1932, Doi & Tanaka, 1941), Kanghwa Is. (Masaki, 1936), Mt. Keomkang, Mt. Seolack (Tanaka, 1939, Doi & Tanaka, 1941), Mt. Kariwang (Tanaka, 1942); South Korea—Milyang, Kyungnam, (Doi, 1932), Taegu & Mt. Kaya (Kamijo, 1933), Nejangsan, Cheongeop (Yamada, 1936), Mockpho (Kamijo, 1936), Jaeon Is. (Masaki, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), China.

Eurydema pulchrum (Westwood, 1837)

Pentatoma pulchra Westwood, 1837, Hope Cat. **1**: 34.
Eurydema pulchrum: Oshanin, 1906, Verz. Pal. Hem. **1**: 127.
Eurydema pulchra: Yang, 1933, Bull. Fan. Mem. Inst. Biol. (Zool.) **4** (2): 32.
Eurydema pulchra: Doi, 1936, J. Chosen Nat. Hist. Soc. 21: 104.
Eurydema pulchra: Haku, 1937, ibid. 22: 71.
Eurydema pulchra: Haku, 1937, Ent. World **5** (44): 23.
Eurydema pulchra: Doi et Tanaka, 1941, Mushi **13** (2): 117, 119-126, pl. 3, fig. 5.
Eurydema pulchrum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 78, pl. 39, fig. 22.

Specimens examined: Kyungsangpookdo—Mt. Phaglong, 1♂, 3♀♀, 12. ix. 1959, C. E. Lee; Unmun Temple, 1♀, 18. vi. 1961, C. E. Lee & M. Y. Lee; Donghwa Temple, 1♂, 1♀, 10. viii. 1961, 2♂♂, 2♀♀, 12. viii. 1961, 1♂, 1♀, 13. viii. 1961, Budoam, Donghwa Temple, 1♂, 1♀, 13. viii. 1961, C. E. Lee & H. Y. Lee; Songrim Temple, Dongmyeong, 1♂, 1♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 1♀, 3. ix. 1960, C. E. Lee; Chungmu, 1♂, 2♀♀, 22. vi. 1961, C. E. Lee & M. Y. Lee.

Cheju Is.—Taejeong, 2♂♂, 2♀♀, 1. viii. 1962, C. E. Lee & M. Y. Lee.

Localities: South Korea—Taegu (Haku, 1937), Keomun Is. (Haku, 1937); Cheju Is. (Doi, 1936, Kamida leg.).

Distribution: Korea, Quelpart Is., Japan (Honshu, except northern region, Shikoku, Kyushu, Tsushima), Ryukyus, Formosa, China, Java, Sumatra, Burma, Sikkim, Assam.

Homalogonia obtusa (Walker, 1868)

Pentatoma obtusa Walker, 1868, Cat. Het. **3**: 560.
Homalogonia obtusa: Oshanin, 1906, Verz. Pal. Hem. **1**: 140.
Carpocoris fuscispinus: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen, **1** (2): 68.
Carpocoris fuscispinus: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Homalogonia obtusa: Esaki, 1932, Icon. Ins. Jap.: 1587, fig. 3134.
Homalogonia obtusa: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 91.
Homalogonla obtusa: Yamada, 1936, ibid. 21: 23.
Homalogonia obtusa: Haku, 1937, ibid. 22: 71.
Homalogonia obtusa: Ishihara, 1937, Ent. World **5** (41): 483.
Homalogonia obtusa: Tanaka, 1939, ibid. **7** (69): 677.
Homalogonia obtusa: Esaki, 1950. Icon. Ins. Jap. Ed. ref.: 202, fig. 507.
Homalogonia obtusa: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 29.

Homalogonia obtusa: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 80, pl. 40, fig. 12.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 25. x. 1959, 1♀, 16, ix. 1960, C. E. Lee, 1♀, 12. viii. 1961, C. E. Lee & M. Y. Lee; Phagae Temple, 1♂, 24. x. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 5. ix. 1960, C. E. Lee; Samlangjin, 1♀, 24. v. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Localities: Central Korea—Mt. Soyo, Mt. Peckam (Doi, 1932), Mt. Seolack (Tanaka, 1939): South Korea—Taegu & Mt. Phalgong (Haku, 1937); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, E. Siberia, N. India.

Nezara viridula (Linné, 1758)

Cimex viridulus Linné, 1758, Syst. Nat. Ed. 10: 144.
Nezara viridula: Stål, 1864, Hem. Afr. **1**: 193.
Nezara viridula: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 66.
Nezara viridula: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Nezara viridula: Kamijo, 1933, J. Chosen Nat. Hist. Soc. 15: 13.
Nezara viridula: Kambe, 1934, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **7** (4): 364.
Nezara viridula: Umeya et Omi, 1935, Ann. Sericul. Dept. Agr. Exp. Stat. Gov. Gen. Chosen **3** (4): 160.
Nezara viridula: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 23.
Nezara viridula: Kamijo, 1936, ibid. 21: 89.
Nezara viridula: Hasegawa, 1954, Bull. Nat. Ins. Agr. Sci. Jap. (C) **4**: 216, 221.
Nezara viridula: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 79.

Localities: Central Korea—Suweon (Maruta, 1929); South Korea—Taegu (Kamijo, 1933), Mockpho (Kamijo, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa, China, India, Ceylon, Assam, Burma, Malay, Indo-China, Philippines, Indonesia, S. Europe, N. & S. America, Australia, Micronesia.

Nezara antennata Scott, 1874

Nezara antennata Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 299.
Nezara antennata: Doi, 1934, J. Chosen Nat. Hist. Soc. 18: 138.
Nezara antennata: Yamada, 1936, ibid. 21: 16.

Nezara antennata: Doi, 1936, ibid. 21: 104.
Nezara antennata: Masaki, 1936, Kontyû, **10** (5): 269.
Nezara antennata: Ishihara, 1937, Ent. World **5** (41): 482.
Nezara antennata et *N. a.* f. *balteata*: Haku, 1937, ibid. **5** (44): 23.
Nezara antennata: Toshioka, 1937, Kontyû **11** (1/2): 132-133.
Nezara antennata et *N. a.* f. *balteata*: Tanaka, 1942, Ent. World **10** (105): 708.
Nezara antennata: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 76.
Nezara antennata: Hasegawa, 1954, Bull. Nat. Ins. Agr. Sci. Jap. (C) **4**: 216, 222.
Nezara antennata: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 28.
Nezara antennata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 79, pl. 40, figs. 1a & b.

Specimens examined: Kyungsangpookdo—f. *antennata* fairly common on the Mt. Phalgong, near the Donghwa Temple & Phagae Temple, on the other hand, f. *balteata* seems to be rare, and the junior author found the latter form in tens to the former in hundreds during 1959—1965.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 6♂♂, 1♀, f. *antennata*, 1♂, f. *balteata*, 10. viii. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 1♀, f. *antennata*, 1♂, f. *balteata*, 29. vii. 1926, C. E. Lee & M. Y. Lee.

Localities: Central Korea—Seoul area (Doi, 1934, 1936), Mt. Keomkang (Cho, 1947); South Korea—Sangri, Jeonnam, (Yamada, 1936), Jaeondo Is. (Masaki, 1936), Keomundo Is. (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, Formosa, China, Tibet.

Okeanos quelpartensis Distant, 1911

Okeanos quelpartensis Distant, 1911, Ann. Mag. Nat. Hist., (8) **7**: 348.
Okeanos quelpartensis: Esaki, 1930, Kontyû **4**: 31, fig. 1.
Okeanos quelpartensis: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 30, 48.
Okeanos quelpartensis: Esaki, 1932, Icon. Ins. Jap.: 1585, fig. 3130.
Okeanos quelpartensis: Doi, 1932, J. Chosen Nat. Hist. Soc. 14.
Okeanos quelpartensis: Kamijo, 1933, ibid. 15: 13.
Okeanos quelpartensis: Haku, 1935, Ent. World **3** (13): 58.
Okeanos quelpartensis: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 23.
Okeanos quelpartensis: Seok, 1939, Kontyû **13** (5/6): 246-248.
Okeanos quelpartensis: Seok, 1940, Zool. Mag. Jap. **52** (11): 438, 445-447, pl. 2.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♀, 25. x. 1961, 1♀, 7. v. 1961, 1♂, 12 viii. 1961, 3♀♀, 27. ix. 1965, C. E. Lee & M. Y. Lee; Kosankol, Taegu, 1♀, 25. ix. 1960, C. E. Lee.

Localities: Central Korea—Seoul area (Esaki, 1930, Doi, 1932), Munsan (Esaki, 1930), Kaeseong (Seok, 1939, 1950); South Korea—Mt. Biseol, Taegu, (Kamijo, 1933, Haku, 1935); Cheju Is. (Distant, 1911, Esaki, 1930, type locality).

Distribution: Korea, Quelpart Is., W. China.

Pentatoma semiannulata (Motschulsky, 1859)

Tropicoris semiannulatus Motschulsky, 1859, Bull. Soc. Nat. Mosc.: 501.
Pentatoma semiannulata: Autran et Reuter, 1888, Rev. d'Ent. **7**: 199.
Pentatoma semlannulata: Oshanin, 1906, Verz. Pal. Hem. **1**: 142.
Gudea ichikawana Distant, 1911, Ann. Mag. Nat. His., (8) **7**: 349.
Pentatoma semiannulata: Esaki, 1930, Kontyû **4**: 33, fig. 2.
Pentatoma semiannulata: Doi, 1932, J. Chosen Nat. Hist. Soc. 13; 30, 48.
Pentatoma semiannulata: Esaki. 1932, Icon. Ins. Jap.: 1586, fig. 3132.
Pentatoma semiannulata: Kamijo, 1933, J. Chosen Nat. Hist. Soc. 15: 13.
Pentatoma semiannulata: Doi, 1935, ibid. 20: 54.
Pentatoma semiaunulata: Haku, 1935, Ent. World **3** (13): 58.
Pentatoma semiannulata: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 23.
Pentatoma semiannulata: Tanaka, 1939, Ent. World **7** (69): 677.
Pentatoma semiannulata: Tanaka, 1942, ibid. **10** (104): 660.
Pentatoma semiannulata: Urata, 1963, Tsukushi no Kontyû **8** (1/2): 34.
Pentatoma semiannulata: Hiura, 1966, Bull. Osaka Mus. Nat. Hist. **19**: 39-43.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 25. x. 1959, 1♀, 23. x. 1960, C. E. Lee; Donghwa Temple, 1♂, 27. x. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Chejudo—Kaemideong, Mt. Hanla, 1♀, 29. vii. 1962, C. E. Lee.

Localities: North Korea—Musan (Tanaka, 1942); Central Korea—Seoul area (Doi, 1932), Mt, Keomkang (Tanaka, 1939); South Korea—Pekyangsan, Jeonnam (Esaki, 1930, Doi, 1932), Kyungju (Kamijo, 1933), Mt. Phalgong (Haku, 1935); Cheju Is. (Distant 1911, Esaki 1930, Doi, 1932).

Distribution: Korea, Quelpart Is., Japan (Tsushima), Manchuria, Mongolia, Amur, Ussuri, Wladiwostok.

Subfamily **Asopinae**

Dinorhynchus dybowskyi Jakovlev, 1876

Dinorhynchus dybowskyi Jakovlev, 1876, Bull. Soc. Nat. Mosc. (**3**): 109.
Dinorhynchus dybowskyi: Oshanin, 1906, Verz. Pal. Hem. **1**: 155.
Dinorhynchus dybowskyi: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 64.
Dinorhynchus dybowskyi: Doi, 1932, J. Chosen Nat. Hist. Soc. **13**: 48.
Dinorhynchus dybowskyi: Yamada, 1936, ibid. **21**: 22.

Dinorhynchus dybowskyi: Seok, 1939, Kontyû **13** (5/6): 246-248.
Dinorhynchus dybowskyi: Seok, 1940, Zool. Mag. Jap. **52** (11): 447-448.
Dinorhynchus dybowskyi: Okamoto, 1942, Ent. World **10** (98): 247.
Dinorhynchus dybowskyi: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 208, fig. 526.
Dinorhynchus dybowskyi: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 60, pl. 40, fig. 16.

Localities: North Korea—Sambanghyeop (Doi, 1932); Central Korea—Kaeseong (Seok, 1939); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu), E. Siberia.

Zicrona caerulea (Linné, 1758)

Zicrona coerulea: Oshanin, 1906, Verz. Pal. Hem. **1**: 160-161.
Zicrona coerulea: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 65.
Zicrona coerulea: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 48.
Zicrona coerulea: Yamada, 1936, ibid. 21: 23.
Zicrona coerulea: Haku, 1937, ibid. 22: 71.
Zicrona caerulea: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 80, pl. 40, fig. 20.

Specimens examined: Kyungsangpookdo—Samsan, Taegu, 1♂, 1♀, 6. x. 1959, C. E. Lee; Mt. Phalgong, 1♂, 1♀, 16. ix. 1960, C. E. Lee & H. Y. Lee; Shincheondong, Taegu, 1♀, 1. iv. 1962, C. E. Lee & H. U. Lee.

Localities: North Korea—Ahobilyeong (Doi, 1932); South Korea—Taegu area (Haku, 1937); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, Formosa, Mongolia, China, Siberia, Burma, Borneo, Java, Malacca, Europe, N. America, N. Africa.

Family **Phyllocephalidae**

Gonopsis affinis Uhler, 1860

Gonopsis affinis Uhler, 1860, Proc. Acad. Philad. : 240.
Gonopsis affinis: Oshanin, 1906, Verz. Pal. Hem. **1**: 164.
Gonopsis affinis: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 47.
Gonopsis affinis: Yamada, 1936, ibid. 21: 17, 23.
Gonopsis affinis: Masaki, 1936, Kontyû **10** (5): 269.
Gonopsis affinis: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 71.
Gonopsis affinis: Ishihara, 1937, Ent. World **5** (41): 488.
Gonopsis affinis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 25.
Gonopsis affinis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 82, pl. 41, fig. 16.

Specimens examined: Kyungsangpookdo—Phagae Temple, 1♂, 23. x. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 1♀, 10. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1 nym., 10. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park; Donghong, Seogwi-Eop, 1♂, 1♀, 16. vii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: Central Korea—Kanghwa Is., Kyungki (Doi, 1932, Masaki, 1936); South Korea—Taegu area (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, China.

Family **Cydnidae**

Subfamily **Cydninae**

Macroscytus japonensis Scott, 1874

Macroscytus japonicus: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 92.
Macroscytus japonicus: Yamada, 1936, ibid. 21: 23.
Macroscytus japonensis: Ishihara, 1937, Ent. World **5** (41): 476.
Macroscytus japonensis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 75, pl. 38, fig. 2.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 12. ix. 1959, C. E. Lee, 1♂, 3♀♀, 7. v. 1961, C. E. Lee & M. Y. Lee; Unmun Temple, 1♂, 1♀, 18. vi. 1961, C. E. Lee & M. Y. Lee; Donghwa Temple, 1♂, 27. ix. 1965; Shincheondong, Taegu, 2♀♀, 25. ix. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 2. ix. 1961, 3♂♂, 4♀♀, 9. x. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♀, 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Locality: Central Korea—Seocheon, Chungnam (Doi, 1933).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Ryukyus, Oriental R.

Aethus nigritus (Fabricius, 1794)

Microporus nigrita: Tanaka, 1939, Ent. World **7** (65): 406.
Microporus nigritus: Esaki, 1950, Icon. Ins, Jap. Ed. ref.: 185, fig. 458.
Aethus nigritus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 22.
Aethus nigritus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 75, pl. 38, fig. 4.

Specimens examined: Kyungsangpookdo—Taegu area, 1♂, 2♀♀, 25. ix. 1960, Mt. Phalgong, 1♂, 17. ix. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 9. x. 1960, C. E. Lee.

Chejudo—Keomack, Hanlim, 1♂, 1♀, 1 nym., 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Pyoseon, 1♀, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Locality: Central Korea—Seoul area (Tanaka, 1939).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Mongolia, China, Burma, Europe.

Geotomus pygmaeus (Dallas, 1851)

Aethus pygmaeus Dallas, 1851, List. Hem. **1**: 120.
Geotomus pygmaeus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: pl. 38, fig. 5.

Specimens examined: Kyungsangpookdo—Taegu area, 1♂, 1♀, 18. vii. 1960, Dongchon, Taegu, 1♂, 31. vii. 1960, C. E. Lee; Donghwa Temple, 1♀, 6. v. 1961, C. E. Lee & M. Y. Lee; Kyungpook Univ. campus, 2♀♀, 22. viii. 1961, light trap, C. E. Lee; Kyungsan, 2♂♂; Phalgongsan, 1♀.

Chejudo—Kwaneom Temple, 1♂, 1♀, 27. vii. 1962, C. E. & M. Y. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), Ryukyus, China, Oriental R., Micronesia.

Chilocoris confusus Horváth, 1919

Chilocoris confusus Horváth, 1919, Ann. Mus. Nat. Hung. **17**: 255.
Chilocoris confusus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 75, pl. 38, fig. 7.

Specimens examined: Chejudo—Keomack, Hanlim, 2♂♂, 1♀, 14. viii. 1965, C. E. Lee, J. H. Park & S. G. Park.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Honshu, Kyushu).

Subfamily **Sehirinae**

Sehirus niveimarginatus (Scott, 1874)

Canthophorus niveimarginatus Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 296.
Sehirus niveimarginatus: Oshanin, 1906, Verz. Pal. Hem. **1**: 24.
Sehirus niveimarginatus: Doi, 1936, J. Chosen Nat. Hist. Soc. 21: 104.
Sehirus niveimarginatus: Masaki, 1936, Kontyû **10** (5): 269.
Sehirus niveimarginatus: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 71.
Sehirus niveimarginatus: Ishihara, 1937, Ent. World **5** (41): 476-477.
Sehirus niveimarginatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 75, pl. 38, fig. 9.

Specimens examined : Kyungsangpookdo—Donghwa Temple, 1♀, 6. v. 1961, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 28. vii. 1962, C. E. Lee & M. Y. Lee.

Localities: North Korea—Weonsan (Ishihara, 1937, Esawa leg.); Central Korea—Seoul area (Doi, 1936), Kanghwa Is. (Masaki, 1936); South Korea—Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus, China, Manchuria, Siberia, Finland.

Parastrachia japonensis (Scott, 1880)

Asopus japonensis Scott, 1880, Trans. Ent. Soc. Lond.: 308.
Asopus japonensis: Oshanin, 1906, Verz. Pal. Hem. **1**: 156.
Parastrachia japonensis: Kirkaldy, 1909, Cat. Hem.: 107.
Asopus japonensis: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 65.
Parastrachia japonicus: Wu, 1935, Cat. Ins. Sin. **2**: 303.
Asopus japonensis: Yamada, 1939, J. Chosen Nat. Hist. 21: 22.
Parastrachia japonensis: Yamada, 1936, ibid. 21: 23.
Parastrachia japonensis: Esaki, 1950, Icon. Ins. Jap.: 210, fig, 531.
Parastrachia japonensis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 75, pl. 38, fig. 10.

Locality: Cheju Is. (Okamoto, 1924).

Distribution: Quelpart Is., Japan (Honshu, Kyushu), Ryukyus, China.

Family **Coreidae**

Subfamily **Coreinae**

Molipteryx fuliginosa (Uhler, 1860)

Discogaster fuliginosus Uhler, 1860, Proc. Acad. Phild.: 225.
Mictis japonica Walker, 1870, Cat. Het. 4: 23.
Ochrochira fuliginosa: Distant, 1893, Ann. Mag. Nat. Hist. (6) **12**: 121.
Ochrochira fuliginosa: Oshanin, 1906, Verz. Pal. Hem. **1**: 78.
Ochrochira fuliginosa: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 64.
Ochrochira fuliginosa: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 46.
Molipteryx fuliginosa: Esaki, 1932, Icon. Ins. Jap.: 1604, fig. 3167.
Molipteryx fuliginosa: Kamijo, 1933, J. Chosen Nat. Hist. Soc. 15: 13.
Molipteryx fuliginosa: Doi, 1933, ibid. 15: 90.
Molipteryx fuliginosa: Yamada, 1936, ibid. 21: 15, 22.
Molipteryx fuliginosa: Tanaka, 1938, Ent. World **6** (52): 524.
Molipteryx fuliginosa: Nagaoka, 1940, ibid. 8 (77): 447.

Molipteryx fuliginosa: Tanaka, 1942, ibid. **10** (104): 661, **10** (105): 708.
Molipteryx fuliginosa: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 212, fig. 538.
Molipteryx fuliginosa: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 35.
Molipteryx fuliginosa: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 83, pl. 42, fig. 1.

Specimens examined: Kyungsangpookdo—Mt. Phalgong. 1♂, 1♀, 30. viii. 1959, 3♂♂, 2♀♀, 2 nym., 12. ix. 1959, C. E. Lee, 5♂♂, 2♀♀, 1 nym., 10 & 12. viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 2♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Phagae Temple, 2♂♂, 1♀, nym., 24. x. 1960, C. E. Lee; Donghwa Temple, 1♂, 15. x. 1962, C. E. Lee & M. Y. Lee; Eonhae Temple, 1♂, 1♀, 9. x. 1965, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 3♂♂, 8♀♀, 1 nym., 9. x. 1958, 1♂, 2♀♀, 9. ix. 1959, 1♀, 3. x. 1959, 5♀♀, 10. ix. 1960, C. E. Lee.

Localities: North Korea—Pekpong, Hamnam (Doi, 1932), Pyungyang (Tanaka, 1938), Sambanghyeop (Tanaka, 1940); Central Korea—Seoul area (Doi, 1932); South Korea—Nejangsan, Chilbosan, Jeonnam (Yamada, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Homoeocerus dilatatus Horváth, 1879

Homoeocerus dilatatus: Oshanin, 1906, Verz. Pal. Hem. **1**: 178.
Homoeocerus dilatatus: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 46.
Homoeocerus dilatatus: Kamijo, 1933, ibid. 15: 13.
Homoeocerus dilatatus: Yamada, 1936, ibid. 21: 15, 22.
Homoeocerus dilatatus: Tanaka, 1938, Ent. World **6** (52): 524.
Homoeocerus dilatatus: Tanaka, 1939, ibid. **7** (69): 677.
Homoeocerus dilatatus: Tanaka, 1942, ibid. **10** (105): 708.
Homoeocerus dilatatus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 213, fig. 540.
Homoeocerus dilatatus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 35.
Homoeocerus dilatatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 83, pl. 42, fig. 3.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 6♂♂, 2♀♀, 30. viii. 1959, 2♀♀, 12. ix. 1959, C. E. Lee, 2♂♂, 1♀, 10. viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 7♀♀, 17. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park, 1♀, 3. x. 1965, C. E. Lee; Donghwa Temple, 2♀♀, 12. ix, 1959, C. E. Lee, 1♂, 1♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Phagae Temple, 2♂♂, 4♀♀, 24. x. 1960, 2♂♂, 3. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 3. x. 1959, 3♂♂, 1♀, 3. ix. 1960, 4♂♂, 2♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 1♀, 28. vii. 1962, C. E. Lee & M. Y. Lee, 1♂, 1 nym., 11. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Taejeong-Eop, 2 nym., 1. viii. 1962, C. E. Lee & M. Y. Lee.

Localities: North Korea—Pyungyang, Shineoiju, Peckpong (Doi, 1932); Central Korea—Seoul area (Doi, 1932, Tanaka, 1938), Mt. Seolack (Tanaka, 1939); South Korea—Mt. Unmun (Doi, 1932), Nejangsan, Sangri, Chilbosan, Tuseongsan, Jeonnam & Pusan (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, Amur, Wladiwostok.

Homoeocerus unipunctatus (Thunberg, 1783)

Homoeocerus unipunctatus: Oshanin, 1906, Verz. Pal. Hem. **1**: 179.
Homoeocerus unipunctatus: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 92.
Homoeocerus unipunctatus: Yamada, 1936, ibid. 21: 22.
Homoeocerus unipunctatus: Haku, 1937, ibid. 22: 71.
Homoeocerus unipunctatus: Haku, 1937, Ent. World **5** (44): 23.
Homoeocerus unipunclatus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 35.
Homoeocerus unipunctatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 83, pl. 42, fig. 2.

Specimens examined: Cheju Is.—Kwaneom Temple, 3♀♀, C. E. Lee, M. Y. Lee, K. P. Chang, D. E. Lee & J. K. Lee; Seogwi-Eop, 1♂, 31. vii. 1962, Taejeong-Eop, 3♂♂, 3♀♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, 1♂, 1♀, 13. viii. 1965, Keomack, Hanlim, 1♂, 4♀♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Donghong, Seogwi-Eop, 1♀, 19. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Pekpong, Hamnam (Doi, 1933); Central Korea—Mt. Soyo (Doi, 1933); South Korea—Taegu area, Keomundo Is. (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa, China, Oriental R.

Colpura lativentris (Motschulsky, 1866)

Maccevethus lativentris Motschulsky, 1866, Bull. Soc. Mosc. **39**: 188.
Colpura lativentris: Kiritschenko, 1916, Faun. Russ. **6** (2): 115, textf. 15; pl. 2, fig. 13.
Colpura (*s. str.*) *lativentris*: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 36.
Colpura lativentris: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 83, pl. 42, fig. 7.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 1♀, 10.

viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 1♀, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 16♂♂, 14♀♀, 10. ix. 1960, C. E. Lee & T. S. Choi.

Chejudo—Kwaneom Temple, 4♂♂, 3♀♀, 28. vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, D. E. Lee & J. K. Lee.

Locality: Korea (Kiritschenko, 1916, Hasegawa, 1960).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China.

Hygia opaca (Uhler, 1860)

Pachycephalus opacus Uhler, 1860, Proc. Acad. Nat. Sci. Philadelphia: 226.
Hygia opaca: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 92.
Hygia opacus: Masaki, 1934, Ins. Word (Kontyu Sekai), 38 (447): 401.
Hygia opaca: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 16, 22.
Hygia opaca: Masaki, 1936, Kontyû **10** (5): 269.
Hygia opaca: Tanaka, 1938, Ent. World **6** (52): 525.
Hygia opaca: Tanaka, 1942, ibid. **10** (105): 708.
Colpura (*Hygia*) *opaca*: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 36.
Hygia opaca: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 83, pl. 42, fig. 6.

Specimens examined: Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 1♀, 10. viii. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 1♀, 10. viii. 1965, Ponggae, 1♂, 1♀, 13. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: Central Korea—Mt. Soyo (Doi, 1933), Mt. Kariwang (Tanaka, 1942); South Korea—Nejangsan, Jeonnam (Yamada, 1936), Ulneong Is. (Masaki, 1934)

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa, China.

Acanthocoris sordidus (Thunberg, 1783)

Acanthocoris sordidus: Oshanin, 1906, Verz. Pal. Hem. **1**: 182.
Acanthocoris sordidus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 15.
Acanthocoris sordidus: Doi, 1936, ibid. 21: 104.
Acanthocoris sordidus: Masaki, 1936, Kontyû **10** (5): 269.
Acanthocoris sordidus: Tanaka, 1938, Ent. World **6** (52): 525.
Acanthocoris sordidus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 36.
Acanthocoris sordidus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 83, pl. 42, fig. 8.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 2♂♂, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Chejudo—Taejeong-Eop, 1♂, 1♀, 1 nym., 1. viii. 1962, Seongsanpho, 1 nym., 2. viii. 1962, C. E. Lee & M. Y. Lee; Pyoseon, 1 nym., 12. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: Central Korea—Seoul area (Doi, 1936); South Korea—Nejangsan, Jeonnam (Yamada, 1936), Jaeon-do Is., Jeonnam (Masaki, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa.

Cletus schmidti Kiritschenko, 1916

Cletus schmidti Kiritschenko, 1916, Faun. Russ. **6** (2): 192, pl. 2, fig. 22.
Cletus schmidti: Hasegawa, 1961, Plant Protection **15** (4): 146.

Specimens examined: Kyungsangpookdo—Mt. Phalgong. 2♂♂, 3. x. 1958, 1♀, 17. ix. 1960, C. E. Lee, 10♂♂, 3♀♀, 10. viii. 1961, C. E. Lee & M. Y. Lee, 2♂♂, 25. vi. 1964, C. E. Lee, S. K. Kim & Y. C. Lee, 2♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Donghwa Temple, 3♂♂, 6♀♀, 9. x. 1959, C. E. Lee; Phagae Temple, 8♂♂, 19♀♀, 24. x. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 1♀, 9. ix. 1959, 5♂♂, 4♀♀, 3. x. 1959, C. E. Lee & T. S. Choi, 2♂♂, 3♀♀, 3. ix. 1960, 5♂♂, 3♀♀, 10. ix. 1960, 4♂♂, 8♀♀, 9. x. 1960, C. E. Lee.

Chejudo—Taejeong-Eop, 1♂, 1♀, 1. viii. 1962; Seongsanpho, 1♂, 2♀♀, C. E. Lee & M. Y. Lee.

Locality: Korea (Kiritschenko, 1916).

Distribution: Korea, Quelpart Is. (new record), Japan (Hasegawa, 1961).

Subfamily **Alydinae**

Paraplesius unicolor Scott, 1874

Paraplesius unicolor Scott, 1874, Ann., Mag. Nat. Hist. (4) **14**: 364.
Paraplesius unicolor: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 34.
Paraplesius unicolor: Miyamoto, 1965, Icon. Ins. Jap. **3**: 84, pl. 42, fig. 16.

Specimens examined: Kyungsangpookdo—Kosankol, Taegu, 1♂, 25. ix. 1960, C. E. Lee; Phagae Temple, 1♂, 24. x. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 10. ix. 1960, 1♂, 9. x. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♀♀, 12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Sinlye, Namweon, 1♀, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record). Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Megalotomus costalis Stål, 1873

Megalotomus costalis: Oshanin, 1906, Verz. Pal. Hem. **1**: 27.
Riptortus sp.: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 46.
Megalotomus costalis: Esaki, 1932, Icon. Ins. Jap.: 1612, fig. 3184.
Megalotomus costalis: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 90.
Megalotomus costalis: Yamada, 1936, ibid, 21: 22.
Megalotomus costalis: Masaki, 1936, Kontyû **10** (5): 269.
Megalotomus costalis: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 71.
Megalotomus costalis: Tanaka, 1938, Ent. World **6** (52): 526.
Megalotomus costalis: Tanaka, 1942, ibid. **10** (104): 661.
Megalotomus costalis: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 217, fig. 552.
Megalotomus costalis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 34.
Megalotomus costalis: Miyamoto, 1965. Icon. Ins. Jap. Col. Nat. **3**: 84, pl. 42, fig. 18.

Specimens examined: Kyungsangpookdo—Samsan, Taegu, 1♀, 1. x. 1959, C. E. Lee; Kapjae, Kyungsan, 1♂, 2♀♀, C. E. Lee; Mt. Phalgong, 2♀♀, 12. viii. 1961, 1♂, 25. iv. 1964, C. E. Lee, M. Y. Lee, S. K. Kim & Y. C. Lee; Phagae Temple, 1 nym., 12. ix. 1965, 1 nym., 3. x. 1965, C. E. Lee; Donghwa Temple, 1♀, 17. ix. 1965, 2 nym., 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Eonhe Temple, 1♂, 2♀♀, 1 nym., 9. x. 1965, J. H. Park, H. K. Shin, Y. J. Jhi, K. H. Kim & J. S. Chu.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 9. x. 1958, 1♀, 10. viii. 1960, 4♂♂, 4♀♀, 1 nym., 3 & 10. ix. 1960, C. E. Lee.

Chejudo—Cheju City area, 3 nym., viii. 1956, C. E. Lee, 3 nym., 27. vii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 1♀, 1 nym., 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Beopho, Seogwi-Eop, 2 nym., 16. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Happsu, Duryusan, Dohwadong (Tanaka, 1942); Central Korea—Seoul area (Tanaka, 1938), Kanghwa Is. (Masaki, 1936); South Korea—Taegu area (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China.

Riptortus clavatus (Thunberg, 1783)

Cimex clavatus Thunberg, 1783, Nov. Ins. Spec. **2**: 34, pl. 2, fig. 4.
Riptortus clavatus: Oshanin, 1906, Verz. Pal. Hem. **1**: 214.
Riptortus clavatus: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 65.
Riptortus clavatus: Kamijo, 1932, J. Chosen Nat. Hist. Soc. 13: 22.
Riptortus clavatus: Doi, 1932, ibid. 13: 46.
Riptortus clavatus: Yamada, 1936, ibid. 21: 16, 22.

Riptortus clavatus: Tanaka, 1938, Ent. World **6** (52): 526, fig. 18.
Riptortus clavatus: Tanaka, 1939, ibid. **7** (69): 677.
Riptortus clavatus: Nagaoka, 1940, ibid. 8 (77): 477.
Riptortus clavatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 84, pl. 42, fig. 19.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♀♀, 12. ix. 1959, C. E. Lee, 1♀, 25. iv. 1964, C. E. Lee, S. K. Kim & Y. C. Lee, 3♀♀, 17. ix. 1965, 1♂, 1♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Samsan, Taegu, 2♂♂, 6. x. 1959, C. E. Lee; Donghwa Temple, 3♀♀, 17. ix. 1961, C. E. Lee & M. Y. Lee, 5♀♀, 27. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park; Dongmyung, Chilkock, 4♂♂, 3♀♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, 1♂, 2♀♀, 9. ix. 1958, C. E. Lee & T. S. Choi.

Chejudo—Kwaneom Temple, 1♂, 2♀♀, 27. vii. 1962, C. E. Lee, M. Y. Lee K. P. Chang, D. E. Lee & J. K. Lee.

Localities: North Korea—Pyungyang (Doi, 1932), Mt. Myohyang (Nagaoka, 1940); Central Korea—Seoul area (Doi, 1932, Tanaka, 1938); South Korea—Jeongeop (Yamada, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu), Ryukyus, Formosa.

Subfamily **Rhopalinae**

Rhopalus (**Aeschynteles**) **maculatus** (Fieber, 1836)

Corizus maculatus: Oshanin, 1906, Verz. Pal. Hem. **1**: 222.
Rhopalus maculatus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 15, 22.
Rhopalus maculatus: Doi, 1936, ibid. 21: 104.
Rhopalus maculatus: Tanaka, 1938, Ent. World **6** (52): 526.
Rhopalus maculatus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 217, fig. 554.
Aeschynteles maculatus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 34.
Rhopalus (*Aeschynteles*) *maculatus*: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 84, pl. 42, fig. 20.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 30. vii. 1959, C. E. Lee & T. S. Choi, 4♂♂, 4♀♀, 10 & 12. viii. 1961, C. E. Lee & M. Y. Lee; Kyungpook Univ. campus, 1♀, 1♂, 24. iv. 1960, C. E. Lee; Phagae Temple, 1♂, 1♀, 24. x. 1960, C. E. Lee; Shincheondong, Taegu, 1♂, 1♀, 30. viii. 1961, C. E. Lee, & H. U. Lee; Eonhe Temple, 1♂, 5♀♀, 9. x. 1965, J. H. Park, K. M. Choi, J. S. Choo, H. K. Shin, H. S. Park, K. H. Kim & Y. J. Jhi; Dongmyung, Chilkock, 5♂♂, 5♀♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 24. x. 1959, 1♂, 1♀, 3. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 27. vii. 1962, C. E. Lee & M. Y. Lee.

Localities: Central Korea—Mt. Soyo (Doi, 1936), Seoul area (Tanaka, 1938); South Korea—Nejangsan, Jeonnam (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Saghaline, Siberia, Europe.

Rhopalus sapporensis (Matsumura, 1905)

Corizus sapporensis Matsumura, 1905, Thous. Ins. Jap. **2**: 17, pl. 18, fig. 23.
Corizus sapporensis: Nagaoka, 1938, Ent. World **6** (46): 26.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 30. viii. 1959, 1♂, 1♀, 16. ix. 1960, C. E. Lee, 2♀♀, 23. viii. 1962, C. E. Lee & M. Y. Lee, 2♂♂, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Kosankol, Taegu, 2♂♂, 18. vii. 1960, C. E. Lee; Phagae Temple, 2♂♂, 2♀♀, 24. x. 1960, C. E. Lee, 3♂♂, 3. x. 1965, C. E. Lee, J. H. Park & K. M. Choi; Donghwa Temple, 1♂, 1♀, 27. ix. 1965, C. E. Lee; Ulneong Is., 2♂♂, 2♀♀, viii. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 3. x. 1959, 3♂♂, 3♀♀, 3. ix. 1960, 1♂, 1♀, 10. ix. 1960, 1♀, 9. x. 1960, C. E. Lee.

Chejudo—Sinlye, Namweon, 1♂, 2♀♀, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Locality: North Korea—Mt. Myohyang (Nagaoka, 1938).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido).

Stictopleurus crassicornis (Linné, 1758)

Corizus crassicornis: Oshanin, 1906, Verz. Pal. Hem. **1**: 226.
Corizus crassicornis: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Corizus sapporensis: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 46.
Stictopleurus crassicornis: Esaki, 1932, Icon. Ins. Jap.: 1615, fig. 3189.
Stictopleurus crassicornis: Doi, 1933, J. Chossn Nat. Hist. Soc. 15: 91.
Stictopleurus crassicornis: Yamada, 1936, ibid. 21: 16, 22.
Stictopleurus crassicornis: Haku, 1937, ibid. 22: 71.
Stictopleurus crassicornis: Doi, 1938, Mushi **11** (1): 90.
Stictopleurus crassicornis: Tanaka, 1938, Ent. World **6** (52): 527, fig. 19.
Stictopleurus crassicornis: Tanaka, 1939, ibid. **7** (69): 677.
Stictopleurus crassicornis: Koba, 1941, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **13** (2).
Stictopleurus crassicornis: Tanaka, 1942, Ent. World **10** (104): 611, **10** (105): 708.
Stictopleurus crassicornis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 84, pl. 42, fig. 21.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 8♂♂, 3♀♀, 30. viii. 1958, 1♀, 12. ix. 1959, 1♀, 13. ix. 1959, 2♂♂, 11. ix. 1960, 2♂♂, 1♀, 16.

ix. 1960, C. E. Lee, 1♀, 10. viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 2♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Kosankol, Taegu, 1♂, 2♀♀, 18. vii. 1960, 1♂, 25. ix. 1960, C. E. Lee; Phagae Temple, 2♀♀, 21. ix. 1960, 5♂♂, 2♀♀, 24. x. 1960, C. E. Lee; Unmun Temple, 2♀♀, 18. vi. 1961, C. E. Lee, M. Y. Lee, B. S. Han, Y. C. Shim & S. Y. Bae; Shincheondong, Taegu, 2♂♂, 15. viii. 1961, 1♀, 30. viii. 1961, C. E. Lee; Kapjae, Kyungsan, 1♂, 1♀, 12. iv. 1964, C. E. Lee; Donghwa Temple, 3♂♂, 1♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Eonhae Temple, 1♂, 1♀, 9. x. 1965, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, 1♀, 24. x. 1959, 3♂♂, 6♀♀, 3. ix. 1960, 1♀, 10. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♂♂, 1♀, 27. vii. 1962, 3♂♂, 1♀, 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee, 1♀, 12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: North Korea—Peckamsan, Hamkyungdo (Doi, 1930), Gaema Plateau (Doi, 1938, Tanaka, 1942), Mt. Myohyang (Tanaka, 1938); Central Korea—Seoul area, Mt. Keomkang & Mt. Seolack (Tanaka, 1939); South Korea—Nejangsan, Jeonnam, Pusan (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Family **Berytidae**

Gampsocoris viridiventris (Matsumura, 1907)

Metacantha viridiventris Matsumura, 1907, Syst. Ent. **1**: 154.
Gampsocoris viridiventris: Miyamoto, 1965, Icon. Ins. Jap. **3**: 84, pl. 42. fig. 24.

Specimens examined: Chejudo—Donghong, Seogwi-Eop, 4♂♂, 2♀♀, 16. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Quelpart Is. (whole Korea new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Family **Lygaeidae**

Subfamily **Rhyparochrominae**

Neolethaeus dallasi (Scott, 1874)

Lethaeus dallasi Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 483.
Lethaeus dallasi: Oshanin, 1906, Verz. Pal. Hem. **1**: 371.
Lethaeus dallasi: Hidaka, 1957, Pulex **16**: 63-64.
Lethaeus dallasi: Miyamoto et Hidaka, 1960, Kontyû **28**: 46.

Lethaeus dallasi: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 39.
Lethaeus dallasi: Hidaka, 1962, Mushi **36** (6): 80, 81.
Neolethaeus dallasi: Ashlock, 1964, Ann. Ent. Soc. Amer. **57**: 420.
Lethaeus dallasi: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 38, pl. 44, fig. 20.

Specimens examined: Kyungangpookdo—Mt. Unmun, 1♂, 18. vi. 1961, C. E. Lee & M. Y. Lee; Mt. Phalgong, 1♀, 25. iv. 1964, C. E. Lee.

Chejudo—Taejeong-Eop, 1♂, 1. viii. 1962, C. E. Lee & M. Y. Lee.

Locality: Korea (Hasegawa, 1960).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Ryukyus.

Lasiosomus pallipes Scott, 1874

Lasiosomus pallipes Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 429.
Lasiosomus pallipes: Hasegawa, 1954, Shin Kontyû **7** (9): 10.

Specimens examined: Chejudo—Sinlye, Namweom, 1 ex., missing abdomen, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Honshu, Kyushu), Ryukyus.

Stigmatonotum rufipes (Motschulsky, 1866)

Plociomerus rufipes Motschulsky, 1866, Bull. Soc. Nat. Mosc. **1**: 188.
Plociomera? rupipes: Oshanin, 1906, Verz. Pal. Hem. **1**: 308.
Stigmatonotum sparsum Lindberg, 1927, Acta. Soc. Faun. Flor. Fenn. **56** (9): 10.
Stigmatonotum sparsum: Doi, 1937, J. Chosen Nat. Hist. Soc. 22: 64.
Stigmatonotum sparsum: Tanaka, 1942, Ent. World **10** (104): 661.
Stigmatonotum sparsum: Hasegawa, 1954, Shin Kontyû **7** (9); 10.
Stigmatonotum rufipes: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 38.

Specimens examined: Kangweondo—Mt. Seolack, 1♀, 24. viii. 1963, C. E. Lee, M. Y. Lee & Y. C. Lee.

Kyungsangpookdo—Mt. Phalgong, 1♂, 12. ix. 1959, 4♂♂, 2♀♀, 16. ix. 1960, C. E. Lee, 2♀♀, 3. x. 1965, C. E. Lee, K. M. Choi & J. H. Park; Kosankol, Taegu, 1♂, 18. vii. 1960, 1♀, 2. x. 1961, C. E. Lee; Phagae Temple, 2♂♂, 5♀♀, 24. x. 1960, 1♂, 1♀, 3. x. 1965, C. E. Lee; Mt. Phalgong, 2♂♂, 5♀♀, 10. xi. 1961, C. E. Lee & M. Y. Lee, 1♀, 23. viii. 1962, C. E. Lee, 7♂♂, 3♀♀, 17. ix. 1965, 3♀♀, 27. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park; Donghwa Temple, 1♀, 12. viii. 1961, C. E. Lee & M. Y. Lee, 2♂♂, 17. ix. 1965, 1♂, 6♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Shincheondong, Taegu, 1♂, 2♀♀, 30. viii. 1961, C. E. Lee; Ulneong Is., 1♀, 1. viii. 1963, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂. 9. x. 1958, 1♂, 1♀, 24. x. 1959, 3♀♀, 3. ix. 1960, 1♂, 1♀, 10. ix. 1960, 2♂♂, 2♀♀, 16. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 7♂♂, 7♀♀, 1 nym., 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee, 2♂♂, 9 & 11. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Beopho, Seogwi-Eop, 1♀, 30. vii. 1962, C. E. Lee & M. Y. Lee; Chungmun, 1♂, 1. viii. 1962, C. E. Lee & M. Y. Lee; Hanlim, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Seogwi-Eop, 1♂, 16. viii. 1965, Donghong, Tohpyung, 3♂♂, 5♀♀, 16. viii. 1965, C. E. Lee, Y. C. Lee, & J. H. Park.

Localities: North Korea—Sambanghyeop (Doi, 1937), Happsu, Hamnam (Tanaka, 1942).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), E. Siberia.

Cligenes japonicus Hidaka, 1959

Cligenes japonicus Hidaka, 1959, Trans. Kyoto Ent. Soc. 8 (1): 4, fig. 3.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♂♂, 2♀♀, 3. x. 1960, C. E. Lee, 2♂♂, 1♀, 15. x. 1962, C. E. Lee & M. Y. Lee; Phagae Temple, 1♀, 3. x, 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 3♀♀, 9. x. 1958, 2♂♂, 7♀♀, 16. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 4♂♂, 6♀♀, 10-12. viii. 1965, Keomack, Hanlim, 1♂, 4♀♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Distribution: Korea, Quelpart Is. (new to Korean fauna), Japan (Honshu, Shikoku, Kyushu), Ryukyus.

Iodinus ferrugineus Lindberg, 1927

Iodinus ferrugineus Lindberg, 1927, Acta Soc. Faun. Fenn. **56** (9): 12, pl. fig. 7.

Iodinus ferrugineus: Hasegawa, 1954, Shin Kontyû **7** (9): 10, fig. 10.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 12. ix. 1959, 1♂, 3. x. 1960, C. E. Lee, 1♀, 6. vi. 1961, 2♂♂, 2♀♀, 15. x. 1962, C. E. Lee & M. Y. Lee, 1♂, 1♀, 3. x. 1965, C. E. Lee; Phagae Temple, 1♂, 2♀♀, 23. x. 1960, C. E. Lee; Donghwa Temple, 1♂, 1♀, 17. ix. 1961, C. E. Lee & M. Y. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 1♀, 16. ix. 1960, C. E. Lee.

Chejudo—Hanlim, 1♂, 14. viii. 1965, Keomack, 3♂♂, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Kyushu), Amur, Ussuri.

Drymus marginatus Distant, 1883

Drymus marginatus Distant, 1883, Trans. Ent. Soc. Lond.: 441.
Drymus marginatus: Oshanin, 1906, Verz. Pal. Hem. **1**: 374.
Drymus marginatus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 229, fig. 590.
Drymus marginatus: Hidaka, 1962, Kontyû **30**: 276-277.
Drymus marginatus: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 88, pl. 44, fig. 25.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 1♀, 12. ix. 1959, C. E. Lee, 1♂, 2♀♀, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Donghwa Temple, 1♀, 3. x. 1959, C. E. Lee, 1♂, 3♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Phagae Temple, 5♂♂, 2♀♀, 24. x. 1960, C. E. Lee, 2♂♂, 1♀, 8. ix. 1961, C. E. Lee & M. Y. Lee, 2♀♀, 9. x. 1964, C. E. Lee, S. K. Kim & Y. C. Lee, 2♂♂, 12. ix. 1965, 2♂♂, 2♀♀, 3. x. 1965, C. E. Lee.

Chejudo—Kwaneom Temple, 2♂♂, 1♀, viii. 1956, C. E, Lee, 2♂♂, 1♀, 27 & 28. vii. 1962, C. E. Lee & M. Y. Lee, 1♂, 1♀, 11. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Mizaldus lewisi Distant, 1901

Mizaldus lewisi Distant, 1901, Ann. Mag. Nat. Hist. (7) 8: 484.
Mizaldus lewisi Distant, 1904, Faun. Brit. Ind. Rhynchota **2**: 68.
Mizaldus lewisi: Hidaka, 1961, Kontyû **29**: 91.
Mizaldus lewisi: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 88, pl. 44, fig. 22.

Specimens examined: Chejudo—Shinlye, Namweon, 1♂, 17. viii. 1965, C. E. Lee.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa, India, Ceylon, Burma.

Dieuches dissimilis Distant, 1883

Dieuches dissimilis Distant, 1883, Trans. Ent. Soc. London: 438.
Dieuches dissimilis: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 229, fig. 588.
Dieuches dissimilis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 38.
Dieuches dissimilis: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 88, pl. 44, fig. 15.

Specimens examined: Kyungsangpookdo—Chikji Temple, Kimcheon, 2♂♂, 9. vi. 1964, C. E. Lee & M. Y. Lee.

Chejudo—Kwaneom Temple, 5♂♂, 7♀♀, 28 & 29. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Ptychoderrhis antennatus (Scott, 1874)

Tropistethus antennatus Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 429.
Ptychoderrhis antennatus: Hasegawa, 1954, Shin Kontyû **7** (9): 6-10.
Ptychoderrhis antennatus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 38.

Specimens examined: Chejudo—Keomack, Hanlim, 6♂♂, 6♀♀, 14. viii. 1965, C. E. Lee, J. H. Park & S. G. Park; Sinlye, Namweon, 2♂♂, 17. viii. 1965; Pyoseon, 1♂, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Cheju Is. (new to Korean fauna), Japan (Honshu, Kyushu).

Rhyparochromus albomaculatus (Scott, 1874)

Calyptonotus (*Rhaglius*) *albomaculatus* Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 439.
Pachymerus (*Graptopeltus*) *albomaculatus*: Reuter, 1888, Rev. d'Ent.: 68.
Aphanus (*Graptopeltus*) *albomaculatus*: Oshanin, 1906, Verz. Pal. Hem. **1**: 352.
Aphanus albomaculatus: Ichikawa, 1906, Hakubutsu no Tomo, **6** (33): 183.
Aphanus albomaculatus: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 64.
Aphanus albomaculatus: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Lygaeus sp.: Doi, 1932, J. Chosen Nat. Hist. Soc. Soc. 13: 46.
Aphanus albomaculatus: Doi, 1933, ibid. 15: 90.
Aphanus albomaculatus: Eguchi, 1934, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **7** (1): 102.
Aphanus albomaculatus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 14.
Aphanus albomaculatus: Masaki, 1936, Kontyû **10** (5): 269.
Aphanus albomaculatus: Haku, 1937, J. Chosen Nat. Hist. 22: 71.
Aphanus albomaculatus: Tanaka, 1939, Ent. World **7** (61): 677.
Aphanus albomaculatus: Koba, 1941, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **13** (2).
Aphanus albomaculatus: Tanaka, 1942, Ent. World **10** (104): 661, **10** (105): 708.
Graptopeltus albomaculatus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 39.

Rhyparochromus albomaculatus: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 88, pl. 44. fig. 19.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 13. ix. 1959, 1♂, 2♀♀, 16. ix. 1960, 2♀♀, 25. ix. 1960, C. E. Lee, 2♀♀, 12. viii. 1961, 1♂, 23. viii. 1962, C. E. Lee & M. Y. Lee; Shincheondong, Taegu, 1♀, 15. viii. 1961, C. E. Lee; Phagae Temple, 2♀♀, 24. x. 1960, C. E. Lee; Donghwa Temple, 3♂♂, 4♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Dongymyung, Chilkock, 2♂♂, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 3♂♂, 4♀♀, 10. ix. 1960, C. E. Lee & T. S. Choi.

Chejudo—Kwaneom Temple, 2♂♂, 28. vii. 1962, C. E. Lee & M. Y. Lee, 1♂, 1 nym., 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Seogwi-Eop, 1♀, 31. viii. 1962, Taejeon-Eop, 1♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, 2♀♀, 13. viii. 1965, Keomack, Hanlim, 1♂, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. C. Park; Pyoseon, 3♂♂, 1♀, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Gaema Plateau (Tanaka, 1942), Mt. Kariwang (Tanaka, 1942), Sariweon, Hwanghae (Koba, 1941); Central Korea—Suweon (Maruta, 1929), Seoul area (Doi, 1939), Mt. Keomkang (Tanaka, 1939), Kangwa Is. (Masaki, 1936); South Korea—Jaeon Is., Jeonnam (Masaki, 1936), Jeonnam (Yamada, 1936), Taegu (Haku, 1937); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu), China (Pekin).

Rhyparochromus japonicus (Stål, 1874)

Pachymerus (*Graptopeltus*) *japonicus* Stål, 1874, Enum. Hem. **4**: 160.
Pachymerus (*Graptopeltus*) *japonicus*: Distant, 1883, Trans. Ent. Soc. Lond.: 437.
Aphanus (*Graptopeltus*) *japonicus*: Oshanin, 1906, Verz. Pal. Hem. **1**: 351.
Aphanus japonicus: Doi, 1932, J. Chosen Nat. Hist. Soc. **13**: 46.
Aphanus japonicus: Yamada, 1936, ibid. **21**: 20.
Aphanus japonicus: Doi, 1938, Mushi **11** (1): 90.
Aphanus japonicus: Tanaka, 1939, Ent. World **7** (61): 134.
Graptopeltus japonicus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 38.
Rhyparochromus japonicus: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 88, pl. 44, fig. 17.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♂, 3. x. 1959, C. E. Lee, 1♂, 30. ix. 1962, C. E. Lee & M. Y. Lee; Mt. Phalgong, 1♂, 17. ix. 1960, Phagae Temple, 2♂♂, 24. x. 1960, C. E. Lee; Unmun Temple, 2♀♀, 18. vi. 1961, C. E. Lee & M. Y. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 1♀, 10. ix. 1960, 1♀, 9. x. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 1♀, 9-12. viii. 1965, Ponggae, 1♀, 13. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & Park.

Lacalities: North Korea—Gaema Plateau (Doi, 1938); Central Korea—Seoul area (Doi, 1932, Tanaka, 1939).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Paromius exiguus (Distant, 1883)

Pamera exigua Distant, 1883, Trans. Ent. Soc. London: 434.
Paromius exiguus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 37.

Specimens examined: Chejudo—Kwaneom Temple, 6♀♀, 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, D. E. Lee & J. K. Lee, 1♂, 2♀♀, 12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Taejeong-Eop, 4♀♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, 4♂♂, 13. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Beopho, Seogwi-Eop, 1♂, 16. viii. 1965, C. E. Lee, G. H. Park & Y. C. Lee.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Honshu, Shikoku, Kyushu), India, Ceylon.

Pachybrachius pictus (Scott, 1880)

Pamera picta Scott, 1880, Trans. Ent. Soc. London: 311.
Pamera picta: Hasegawa, 1954, Shin Kontyû **7** (9): 9.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 16. ix. 1960, C. E. Lee.

Chejudo—Cheju City area, 1♂, 2♀♀, viii. 1956, C. E. Lee; Kwaneom Temple, 1♂, 28. vii. 1962, Beopho, Seogwi-Eop, 1♂, 1♀, 30, vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, D. E. Lee & J. K. Lee; Chungmun, 2♂♂, 1. viii. 1962, Taejeong-Eop, 3♂♂, 2♀♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Ponngae, 1♂, 3♀♀, 12 & 13. viii. 1965, Keomack, 2♂♂, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Seogwi-Eop, 1♂, 3♀♀, 16. viii. 1965, Sinlye, Namweon, 3♂♂, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Kyushu).

Pachybrachius lateralis (Scott, 1874)

Diplonotus lateralis Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 432.
Pachybrachius lateralis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 37.
Pachybrachius lateralis: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 87, pl. 44, fig. 12.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 3. x. 1960, C. E. Lee, 1♀, 12. viii. 1961, C. E, Lee & M. Y. Lee; Donghwa Temple, 4♂♂, 1♀, 27. ix. 1965, C. E. Lee; Phagae Temple, 3♂♂, 3♀♀, 3. x. 1965, C. E. Lee, J. H. Park & K. M. Choi; 3♂♂, 3♀♀, missing labels.

Chejudo—Cheju City area, 1♂, 1♀, viii. 1956, C. E. Lee; Kwaneom Temple, 1♂, 3♀♀, 27. 28. vii. 1962, C. E. Lee, M. Y. Lee, J. K. Lee, D. E. Lee & K. P. Chang, 4♂♂, 3♀♀, 10 & 11. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Taejeong-Eop, 6♂♂, 4♀♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, 1♂, 13. viii. 1965, Keomack, Hanlim, 4♂♂, 6♀♀, 14. viii. 1965, Hanlim-Eop, 1♂, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Beopho, Seogwi-Eop, 5♂♂, 3♀♀, 16. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Togo hemipterus (Scott, I874)

Diplonotus hemipterus Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 431.
Pamera hemiptera: Oshanin, 1906, Verz. Pal. Hem. **1**: 306.
Pamera hemiptera: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 21.
Pamera hemiptera: Doi, 1937, ibid. 22: (71).
Pamera hemiptera: Tanaka, 1939, Ent. World **7** (61): 133.
Togo hemipterus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 227, fig. 584.
Togo hemipterus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 37.
Togo hemiptera: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 87, pl. 44, fig. 9.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 15 & 30. viii. 1959, 1♂, 17. ix. 1960, 2♀♀, 25. ix. 1965, C. E. Lee, 7♂♂, 6♀♀, 10 & 12. viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 2♀♀, 17. ix. 1965, 1♀, 3. x. 1965, C. E. Lee, J. H. Park & K. M. Choi; Donghwa Temple, 4♂♂, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Phagae Temple, 1♂, 21. ix. I960, C. E. Lee; Shincheondong, Taegu, 1♂, 15. viii. 1961, 1♀, 30. viii. 1061, C. E. Lee; Chikji Temple, Kimcheon, 2♀♀, 9. vi. 1963, C. E. Lee & M. Y. Lee; Eonhae Temple, 1♀, 9. x. 1965, J. H. Park & K. M. Choi; 11♂♂, 6♂♂, missing labels.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 9. ix. 1959, 13♂♂, 10♀♀, 3 & 10. ix. 1960, C. E. Lee.

Chejudo—Cheju City area, 2♀♀, viii. 1956, C. E. Lee.

Localties: North Korea—Taepyeong (Tanaka, 1939); Central Korea—Seoul area (Doi, 1937, Tanaka, 1939); South Korea,—Naejangsan, Jeongeop (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Subfamily **Geocorinae**

Geocoris proteus Distant, 1883

Geocoris proteus Distant, 1883, Trans. Ent. Soc. London: 432, pl. 20, fig. 1 & 2.
Geocoris proteus: Oshanin, 1906, Verz. Pal. Hem, **1**: 285.
Ceocoris proteus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 14, 21.
Geocoris proteus: Doi, 1936, ibid. 21: 104.
Geocoris proteus: Tanaka, 1939, Ent. World **7** (61): 133.
Geocoris proteus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 40.
Geocoris proteus: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 87, pl. 44, fig. 2.

Specimens examined: Kyungsangpookdo—Kyungpook Univ. campus, 7♂♂, 2♀♀, 24. ix. 1960, C. E. Lee; Kosankol, Taegu, 1♂, 2♀♀, 25. ix. 1960, C. E. Lee; Phagae Temple, 1♂, 24. x, 1960, C. E. Lee; Unmun Temple, 1♀, 18. vi. 1961, C. E. Lee & M. Y. Lee; Shincheondong, Taegu, 1♂, 1♀, 30. viii. 1961, 5♂♂, 2♀♀, 1. iv. 1962, C. E. Lee; Chikji Temple, Kimcheon, 1♀, 9. vi. 1964, C. E. Lee & M. Y. Lee; Mt. Phalgong, 1♀, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Songlim Temple, Chilgock, 1♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple Mt. Kaya, 1♀, 3. ix. 1960, C. E. Lee.

Chejudo—Keomack, Hanlim, 1♂, 14. viii. 1965, Hwasun, Andeok, 1 nym., 15. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: Central Korea—Seoul area (Doi, 1936, Tanaka, 1939); South Korea—Naejangsan, Jeonnam (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu).

Piocoris varius (Uhler, 1860)

Ophthalmicus varius Uhler, 1860, Proc. Acad. Philadel.: 229.
Geocoris varius: Oshanin, 1909, Verz. Pal. Hem. **1**: 285.
Geocoris varius: Nagaoka, 1938, Ent. World **6** (46): 26.
Geocoris varius: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 39.
Geocoris varius: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 87, pl. 44, fig. 1.

Specimens examined: Kyungsangpookdo—Samsan, Taegu, 2♂♂, 6. x. 1959, C. E. Lee; Mt. Phalgong, 1♂, 1♀, 25. ix. 1960, C. E. Lee, 1♀, 12. viii. 1961, C. E. Lee & M. Y. Lee, 1♀, 3. x. 1965, C. E. Lee; Donghwa Temple, 3♂♂, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Songlim Temple, Chilgok, 2♂♂, 2♀♀, 10. vii. 1965, C. E. Lee.

Chejudo—Cheju City area, 1♀, 27. vii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 1♂, 3♀♀, 10. viii. 1965, Hwasun, Andeok, 1♀, 17. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Locality: North Korea—Mt. Myohyang (Nagaoka, 1938).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus.

Subfamily **Cyminae**

Ninomimus flavipes (Matsumura, 1913)

Ninus flavipes Matsumura, 1913, Thous. Ins. Jap. Add. **1**: 142, pl. 14, fig. 5.

Cymoninus flavipes: Kormilev, 1955, Cuad. Inst. Ci. Nat. San. Miquel **2**: 1.

Ninomimus flavipes: Scudder, 1957, Publ. Cult. Comp. Diam. Angola **34**: 107.

Ninomimus flavipes: Miyamoto, 1959, Sieboldia **2** (2): 123.

Ninomimus flavipes: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 41.

Ninomimus flavipes: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 86, pl. 34, fig. 13.

Specimens examined: Kyungsangpookdo—Phagae Temple, 1♂, 1♀, 24. x. 1960, C. E. Lee, 1♂, 2♀♀, 3. x. 1965, C. E. Lee; Mt. Phalgong, 1♀, 10. viii. 1960, C. E. Lee & M. Y. Lee, 2♂♂, 10 ix. 1965, C. E. Lee, K. M. Choi & J. H. Park.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 6♂♂, 6♀♀, 9. x. 1958, 2♂♂, 10. viii. 1960, 4♂♂, 2♀♀, 3. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♂♂, 2♀♀, 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, D. E. Lee & J. K. Lee & J. K. Lee, 1♂, 2♀♀, 9 & 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Taejeong-Eop, 1♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Hwasun, Andeok, 2♂♂, 15. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Sinlye, Namweon, 1♀, 17. viii. 1965, Pyoseon, 1♂, 18. viii 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), E. Siberia.

Subfamily **Lygaeinae**

Tropidothorax hanseni (Jakovlev, 1883)

Spilostethus hanseni: Doi, 1935, J. Chosen Nat. Hist. Soc. 20: 55.

Spilostethus hanseni: Yamada, 1936, ibid. 21: 14.

Spilostethus hanseni: Tanaka, 1939, Ent. World **7** (61): 132.

Specimens examined: Kyungsangpookdo—Ulneong Is., 2♂♂, 4♀♀, 1. viii. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 3♂♂, 2♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Cheju City area, 1♀, viii. 1956, C. E. Lee.

Localities: North Korea—Musan (Doi 1935), Taepyeong (Tanaka, 1939); South Korea—Naejangsan, Jeonnam, (Yamada, 1936).

Distribution: Korea, Quelpart Js. (new record), China (Sze-Tschwan), Siberia, Mongolia, Amur.

Arocatus sericans (Stål, 1859)

Arocatus sericans: Oshanin, 1906, Verz. Pal. Hem. **1**: 258.
Arocatus sericans: Tanaka, 1939, Ent. World **7** (65): 406.
Arocatus sericans: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 221, fig. 565.
Arocatus sericans: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 85, pl. 43, fig. 6.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 2♀♀, 3. ix. 1959, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 3. x. 1959, C. E. Lee.

Chejudo—Cheju City area, 1♀, viii. 1956, C. E. Lee.

Localities: Central Korea—Mt. Soyo (Tanaka, 1939), Korea (Esaki, 1950).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Kyushu, Tsushima), China, India, Oriental R.

Subfamily **Pachygronthinae**

Pachygrontha antennata antennata (Uhler, 1860)

Peliosoma antennata Uhler, 1860, Proc. Acad. Philad.: 229.
Pachygrontha antennata: Ohanin, 1906, Verz. Pal. Hem. **1**: 293.
Pachygrontha antennata: Doi, 1934, J. Chosen Nat. Hist. Soc. 17: 68.
Pachygrontha antennata: Yamada, 1936, ibid. 21: 14, 21.
Pachygrontha antennata: Haku, 1937, ibid. 22: 71.
Pachygrontha antennata: Tanaka, 1939, Ent. World 7 (61): 133.
Pachygrontha antennata: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 226, fig. 580.
Pachygrontha antennata antennata: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 42.
Pachygrontha antennata antennata: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 87, pl. 44, fig. 4.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♂♂, 4♀♀, 3. x. 1958, 2♂♂, 30. viii. 1959, 3♂♂, 2♀♀, 16 & 17. ix. 1960, 3♀♀, 23. x. 1960, C. E. Lee & T. S. Choi; Donghwa Temgle, 2♂♂, 1♀, 3 & 10. x. 1959, C. E. Lee, 6♂♂, 3♀♀, 27. ix. 1965, C. E. Lee, J. H. Park, K. M. Choi, H. K.

Shin, H. S. Park, J. S. Choo, Y. J. Jhi & K. H. Kim; Phagae Temple, 1♂, 3. x. 1965, C. E. Lee, J. H. Park & K. M. Choi; Kyungpook Univ. campus, 2♀♀, 29. ix. 1960, C. E. Lee; Chikji Temple, Kimcheon, 2♀♀, 9. vi. 1964, C. E. Lee; Kapjae, Kyungsan, 2♀♀, 12. iv. 1964, C. E. Lee; Eonhae Temple, 1♂, 2♀♀, J. H. Park & K. M. Choi; Songlim Temple, Dongmyeong, Chilgok, 1♀, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 2♀♀, 9. x. 1958, 10♂♂, 12♀♀, 10. viii. 1960, 10♂♂, 13♀♀, 3. ix. 1960, C. E. Lee & T. S. Choi.

Chejudo—Kwaneom Temple, 5♂♂, 10♀♀, 3 nym., 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee; Taejeong-Eop, 2 nym., 1. viii. 1962, C. E. Lee & M. Y. Lee; Hanlim-Eop, 3 nym., 14. viii. 1965, Keomack, Hanlim, 1♂, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Beopho, Seogwi-Eop, 1♀, 16. viii. 1965, Pyoseon, 2 nym., 18 viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Yangdeok. Pyeongnam (Doi, 1934); Central Korea—Mt. Soyo (Tanaka, 1939); South Korea—Naejangsan, Chilbosan, Gunsan (Yamada, 1936), Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China.

Subfamily **Chauliopinae**

Chauliops fallax (Scott, 1874)

Chauliops fallax: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 14.
Chauliops fallax: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 222, fig. 567.
Chauliops fallax: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 42.
Chauliops fallax: Hidaka, 1965, Icon. Ins. Jap. Col. Nat. **3**: 65, pl. 43, fig. 8.

Specimens examined: Kyungsangpookdc—Mt. Phalgong, 1♀, 16. ix. 1960, C. E. Lee, 1♀, 10. viii. 1961, C. E. Lee & M. Y. Lee, 3♂♂, 17. ix. 1965, 1♂, 27. vi. 1965, C. E. Lee, J. H. Park & K. M. Choi; Phagae Temple, 1♀, 24. x. 1960, C. E. Lee; Donghwa Temple, 1♂, 3♀♀, 17. ix. 1961, C. E. Lee & M. Y. Lee, 2♂♂, 1♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Chejudo—Cheju City area, 1♀, viii. 1956, C. E. Lee; Kwaneom Temple, 1♂, 1♀, 27. vii. 1962, 1♀, 29. vii. 1962, Taejeon-Eop, 2♂♂, 6♀♀, 1. viii. 1962, Seongsanpho, 3 nym., 2. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, 1♂, 3♀♀, 13. viii. 1965, Keomack, Hanlim, 1♂, 1♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Sinlye, Namweon, 1♂, 4♀♀, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Locality: South Korea—Jeongeop, Pusan (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa, Ceylon, China.

Family **Pyrrhocoridae**

Pyrrhocoris tibialis Stål, 1874

Pyrrhocoris tibialis Stål, 1874, Enum. Hem. **4**: 168.
Pyrrhocoris tibialis: Oshanin, 1906, Verz. Pal. Hem. **1**: 391.
Pyrrhocoris tibialis: Ichikawa, 1906, Hakubutsu no Tomo **6** (33): 184.
Pyrrhocoris tibialis: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. **1** (2): 64.
Pyrrhocoris tibialis: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Pyrrhocoris tibialis: Wu, 1935, Cat. Ins. Sin. **2**: 442.
Pyrrhocoris tibialis: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 12, 20.
Pyrrhocoris tibialis: Masaki, 1936, Kontyû **10** (5): 270.
Pyrrhocoris tibialis: Ishihara, 1937, Ent. World **5** (41): 492.
Pyrrhocoris tibialis: Haku, 1937, J. Chosen Nat. Hist. Soc. **22**: 72.
Pyrrhocoirs tibialis: Tanaka, 1938, Ent. World **6** (52): 522.
Pyrrhocoris tibialis: Doi, 1938, Mushi **11** (1): 90.
Pyrrhocoris tibialis: Tanaka, 1942, Ent. World **10** (104): 661, **10** (105): 708.
Pyrrhocoris tibialis: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 231, fig. 594.
Pyrrhocoris tibialis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 89, pl. 45, fig. 3.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♂♂, 30. viii. 1959, C. E. Lee, 2♀♀, 12. viii. 1961, C. E. Lee & M. Y. Lee, 3♂♂, 4♀♀, 17 & 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Phunggack, Cheongdo, 1♂, 23. iv. 1960, C. E. Lee; Donghwa Temple, 2♂♂, 6. v. 60, C. E. Lee, 1 nym., 27, ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Kosankol, Taegu, 1♂, 3♀♀, 25. ix. 1960, 1♂, 2. x. 1961, C. E. Lee; Phagae Temple, 1♂, 23. x. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 3. x. 1959, 1♀, 24. x. 1959, 1♂, 1♀, 3. ix. 1960, 2♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Seogwi-Eop, 1♂, 31. vii. 1962, Chungmun, 1♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 2 nym., 10. viii. 1965, Ponggae, 1♂, 1♀, 13. viii. 1965, Keomack, Hanlim, 4♂♂, 3♀♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Donghong, Seogwi-Eop, 2♂♂, 1♀, 16. viii. 1965, Pyoseon, 1♂, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Pyungyang (Doi, 1932), Gaema Plateau (Doi, 1937), Samyang (Tanaka, 1942); Central Korea—Seoul area (Doi, 1932), Kanghwa Is. (Masaki, 1936); South Korea—Sangri, Rolyeong, Jeonnam (Yamada, 1936), Jindo Is. (Masaki, 1936); Taegu (Haku, 1937), Ulneong Is. (Masaki, 1936); Chejudo (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Pekin), E. Siberia.

Family **Reduviidae**

Subfamily **Emesinae**

Schidium marcidum (Uhler, 1896)

Ischnonyctes marcidus: Oshanin, 1908, Verz. Pal. Hem. **1**: 512.
Ischnonyctes marcidus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21; 15, 21.
Ischnonyctes marcidus: Ishihara, 1937, Ent. World **5** (44): 727.
Schidium marcidum: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 46.
Schidium marcidum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 92, pl. 46, fig. 19.

Specimens examined: Kyunsangpookdo—Donghwa Temple, 1 nym., 30. ix. 1962, C. E. Lee & M. Y. Lee; Mt. Phalgong, 2♂♂, 3♀♀, 3. x. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Chejudo—Kwaneom Temple, 3 nym., 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee, 5 nym., 11 & 12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Sinlye, Namweon, 3 nym., 16. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Locality: South Korea—Nejangsan, Jeonnam, (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), China, Philippines, Indonesia, India, Australia.

Gardena melinarthrum Dohrn, 1860

Gardena melinarthrum Dohrn, 1860, Linn. Ent. **14**: 214.
Gardena melinarthrum: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 92, pl. 46, fig. 21.

Specimens examined: Chejudo—Kwaneon Temple, 1♀, 2 nym., 28. vii. 1962, C. E. Lee & M. Y. Lee, 2♂♂, 2♀♀, 7 nym., 10-12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Beopho, Sanghyodong, Seogwi-Eop, 3 nym., 16. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Quelpart Is. (new to Korean fauna), Japan (Kyushu), Philippines, Ceylon.

Subfamily **Saicinae**

Polytoxus annulipes Miyamoto et Lee, sp. nov.

(Textfigs. 1—5; Pl. 16)

Size: For male body length 6.64 mm. and humeral width (not including spines) 1.15 mm.; those for female 6.8 mm. and 1.2 mm.

Coloration: Rather brownish. Head chestnut brown, with eyes reddish brown, 2 apical segments of antennae blackish and with rostrum brown. Pronotum shining brown on elevated portion of anterior lobe and pale straminous on sides, with a pair of brownish longitudinal fasciae on posterior lobe; propleura pale straminous with a brown longitudinal fascia. Scutellum brown, paler on metanotum. Hemelytra pale straminous, somewhat infuscate on cells. Legs pale brown, much paler toward base; anterior femora with 3 dark broad rings, the apical one distinct but the middle and basal slightly obscure, posterior pairs of femora with 2 dark rings, the basal narrow and obscure, and the apical broad and distinct; all knees pale; tibia of each leg with 2 dark basal rings and the apex slightly infuscated. Abdomen pale brown with a darker, broad sublateral fascia; 8th and 9th segments in male concolorously brown; female 9th tergite with a pale median spot at base and pale lateral sides, and with blackish 2nd valvulae.

Structure: Head (excluding constricted neck region) as long as wide across eyes in male (.72: .72)* or a little longer than wide in female (.77: .70); interocular space nearly twice as wide as an eye seen from above in male (.38: .17) or 2.7 times in female (.41: .15); postocular sulcus semicircularly sinuate; posterior lobe of head less than half as long as wide (.20: .50). Antennae shorter than body length; 1st segment furnished with long erect hairs; proportions of segments I to IV: 2.41 : .84 : ca 1.43 : ca .90. Vertical swelling immediately in front of eye distinct, with a few bristles at apex.

Pronotum slightly shorter than wide across humeri (1.07 : 1.15), posterior lobe ca 3/4 times as long as anterior lobe (.48 : .60); humeral spines suberect, relatively short, a little less than half as wide as anterior collar. Scutellar spine nearly twice as long as humeral spines, slightly upwardly curved; a pair of distinct projections on anterior margin of metanotum; metanotum carinate along median longitudinal line, metanotal spine as long as scutellar spine. Hemelytra (Textfig. 1) with vein M at apical margin of discal cell roundly curved near middle, at apex with a faint bifurcate vein arising from M. Legs furnished with long soft hairs; anterior femora slightly curved, provided with a row of bristles both on inner and ventral surfaces; anterior tibiae a little sinuate, with a row of

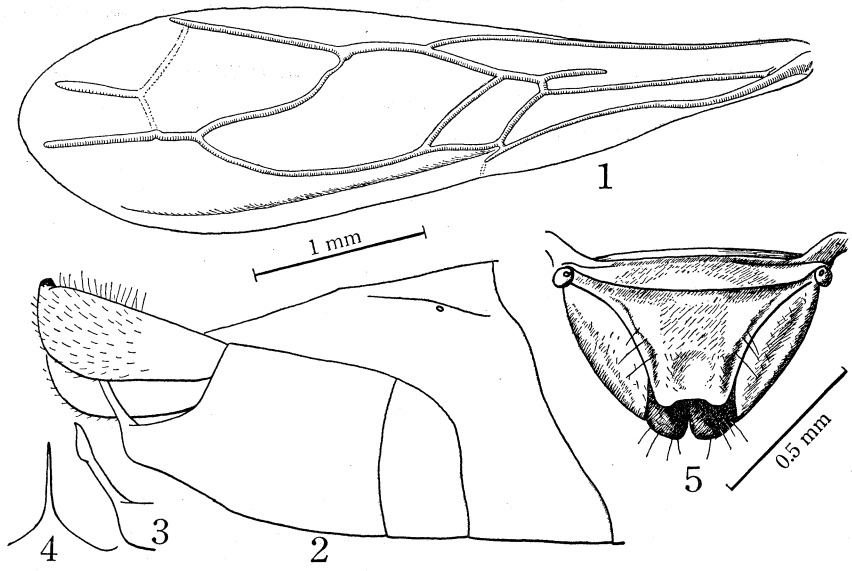
Relative lengths of leg segments:

	Femur	Tibia	Ta 1	Ta 2, 3 combined
Anterior leg	1.90	2.02	.33	.28
Intermediate leg	2.16	2.45	.29	.25
Posterior leg	3.22	4.35	.29	.25

* All measurements in mm.

bristles on inner surface; intermediate femora and tibiae nearly straight; posterior femora slightly curved near base and tibiae sinuate at apical fourth; 1st segment of tarsi a little longer than 2 apical segments combined, 2nd segment shorter than the 3rd.

Male genital segment (Textfig. 2) with median process (Textfigs. 3 & 4) which is slender and obliquely erected, somewhat widened near apex and possesses caudally bent apex. Parameres (Textfig. 2) distinctly broad, widest near apex, with an almost straight upper margin and a small tubercle at inner apex. Female (Textfig. 5) with 8th abdominal spiracles on a sphaeroid tubercle of each postero-lateral corner of 8th ventrite; 9th abdominal tergite rather narrow, with a distinct circular impression near hind margin.



Textfigs. 1—5. *Polytoxus annulipes.*

1 left fore wing, 2 apical segments of ♂ abdomen, lateral view, 3 & 4 median process on caudal end of ♂ genital segment, lateral and caudal view respectively, 5 apical segments of ♀ abdomen, caudal view.

Holotype ♂, allotype ♀, Sinlye, Cheju Island, 17. viii. 1965, C. E. Lee.

The present species may be easily separated from the known species by annulated femora and tibiae and broad parameres. Besides above-mentioned characteristics this is distinguished from *P. minimus* China, 1940 (China—Fukien) by different colour (no dark longitudinal fascia on dorsum and no reddish suffusions), 2nd antennal segment longer than half the length of 3rd segment, shorter scutellar spine, longer metanotal spine, and from *P. marianensis* Usinger, 1946 (Guam) by semicircular postocular

sulcus, much longer metanotal spine, faint bifurcate vein arising from M, shape of median caudal process on male genital segment, etc.

Subfamily **Stenopodinae**

Pygolampis cognata Horváth, 1899

Pygolampis cognata Horváth, 1899, Termés. Füz. **22**: 367.
Pygolampis cognata: Oshanin, 1908, Verz. Pal. Hem. **1**: 514.
Pygolampis cognatus: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 62.
Pygolampis cognatus: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 324.
Pygolampis cognatus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 21.
Pygolampis cognata: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 245, fig. 638.
Pygolampis cognata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 93, pl. 47, fig. 1.

Specimens examined: Kyungsangpookdo—Unmun Temple, 1♂, 18. vi. 1961, C. E. Lee & M. Y. Lee; Kyungpook Univ. campus, 1♂, 6. vii. 1961, light trap, C. E. Lee; Phagae Temple, 1♀, 3. x. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1 nym., 9. x. 1960, C. E. Lee.

Kangweondo—Mt. Seolack, 1 nym., 24. viii. 1963, C. E. Lee, M. Y. Lee & Y. C. Lee.

Chejudo—Pyoseon, 1 nym., 18. viii. 1960, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: Central Korea—Suweon (Maruta, 1929); Chejudo (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Kyushu), Ryukyus, Formosa, Ussuri, Wladiwostok.

Oncocephalus philippinus Lethierry, 1877

Oncocephalus philippinus Lethierry, 1877, Ann. Soc. Ent. Fr. (5) **7**: 101.
Oncocephalus notatus: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 62.
Oncocephalus philippinus: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Oncocephalus philippinus: Esaki, 1932, Icon. Ins. Jap.: 1654, fig. 3267.
Oncocephalus philippinus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 21.
Oncocephalus philippinus: Ishihara, 1937, Ent. World **5** (44): 727.
Oncocephalus philippinus: Tanaka, 1939, ibid. **7** (61): 136.

Oncocephalus philippinus: Nagaoka, 1940, ibid. 8 (77): 478.
Oncocephalus philippinus: Tanaka, 1942, ibid. **10** (104): 662.
Oncocephalus philippinus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 246, fig. 639.
Oncocephalus philippinus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 93, pl. 47, fig. 2.

Localities: North Korea—Pyungyang (Doi, 1934), Mt. Myohyang (Nagaoka, 1940); Central Korea—Seoul area (Tanaka, 1939), Suweon (Maruta, 1929); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu), Formosa, Philippines.

Oncocephalus sp.

Specimens examined: Kyungsangpookdo—Kosankol, Taegu, 1♀, 22. v. 1959, C. E. Lee; Mt. Phalgong, 1♀, 25. ix. 1960, C. E. Lee, 1♂, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Donghwa Temple, 1 nym., 30. ix. 1962, C. E. Lee & M. Y. Lee.

Kyungsangnamdo—Haein Temple, Mt., Kaya, 1♀, 10. viii. 1960, C. E. Lee.

Chejudo—Cheju City area, 2 nym., 4. viii. 1956, C. E. Lee; Kwaneom Temple, 1♀, 2 nym., 28. viii. 1962, Taejeong-Eop, 1 nym., C. E. Lee & M. Y. Lee; Ponggae, 1 nym., 13. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Pyoseon, 1 nym., 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

This species closely allied to *Oncocephalus philippinus* which has previously been reported from most part of Korea and Quelpart Is., but separated from it by several characteristics.

Subfamily **Acanthaspinae**

Acanthaspis cincticrus Stål, 1897

Acanthaspis cincticrus Stål, 1859, Öfv. Vet. Akad. Förh. **16**: 188.
Acanthaspis cincticrus: Oshanin, 1908, Verz. Pal. Hem. **1**: 523.
Acanthaspis cincticrus: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Acanthaspis albovittata: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Acanthaspis cincticrus: Doi, 1933, ibid. **15**: 90.
Acanthaspis cincticrus: Kikuchi, 1933, Kontyû **7** (5/6): 273.
Acanthaspis cincticrus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 21.
Acanthaspis cincticrus: Ishihara, 1937, Ent. World **5** (44): 728.
Acanthaspis cincticrus: Tanaka, 1939, ibid. **7** (61): 136.

Acanthaspis cincticrus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 93, pl. 57, fig. 5.

Specimens examined: Chejudo—Hanlim-Eop, 1♀, 14. viii. 1965, Keomack, 2♀♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: Central Korea—Suweon (Maruta, 1929, light trap), Soyo (Doi, 1938).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Kyushu), China, Manchuria (Kikuchi, 1933).

Subfamily **Piratinae**

Pirates turpis Walker, 1873

Pirates atromaculatus: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Pirates atromaculatus: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Pirates atromaculatus: Kamijo, 1933, ibid. 15: 14.
Pirates turpis: Doi, 1933, ibid. 15: 90.
Pirates turpis: Yamada, 1936, ibid. 21: 21.
Pirates turpis: Masaki, 1936, Kontyû **10** (5): 270.
Pirates turpis: Ishihara, 1939, Ent. World **5** (44): 728.
Pirates turpis: Tanaka, 1939, ibid. **7** (61): 137.
Pirates turpis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 47.
Pirates turpis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 93, pl. 47, fig. 8.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♀, 14. vi. 1959, C. E. Lee; Phagae Temple, 3 nym., 24. x. 1960, C. E. Lee; Unmun Temple, Cheongdo, 1♂, 18. vi. 1961, C. E. Lee & M. Y. Lee; Mt. Phalgong, 2 nym., 3. x. 1965, C. E. Lee.

Kyungsangnamdo—Tohngdo Temple, Yangsan, 1♀, 12. vi. 1965, C. E. Lee, S. K. Kim & Y. C. Lee.

Chejudo—Hanlim-Eop, 1♂, 14. viii. 1965, C. E. Lee.

Localities: North Korea—Pyungyang (Doi, 1932); Central Korea—Suweon (Maruta, 1929), Seoul area (Tanaka, 1929); South Korea—Kimcheon (Kamijo, 1933), Jindo Is., Jeonnam (Masaki, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa.

Sirthenea flavipes (Stål, 1855)

Rasahus flavipes Stål, 1855, Öfv. Vet, Akad. Förh.: 187.
Sirthenea flalvipes Stål, 1866, ibid.: 252.
Sirthenea flavipes: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 63.

Sirthenea flavipes: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Sirthenea flavipes: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 21.
Sirthenea flavipes: Ishihara, 1937, Ent. World **5** (44): 728.
Sirthenea flavipes: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 93, pl. 17, fig. 6.

Localities: Central Korea—Suweon (Maruta, 1929); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa, Oriental Trop.

Subfamily **Ectrychodiinae**

Ectrychotes andreae (Thunberg, 1784)

Cimex andreae Thunberg, 1784, Nov. Ins. Sp. **3**: 56.
Ectrychotes andreae: Stål, 1874, Enum. Hem. **4**: 51.
Ectrychotes andreae: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 63.
Ectrychotes haematogaster: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Ectrychotes andreae: Doi, 1932, ibid. 14: (13).
Ectrychotes andreae: Yamada, 1936, ibid. 21: 21.
Ectrychotes andreae: Masaki, 1936, Kontyû **10** (5): 270.
Ectrychotes andreae: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 71.
Ectrychotes andreae: Ishihara, 1937, Ent. World **5** (44): 729.
Ectrychotes andreae: Tanaka, 1939, ibid. **7** (61): 137.
Ectrychotes andreae: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 47.
Ectrychotes andreae: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 94, pl. 47, fig. 15.

Localities: North Korea—Pyungyang (Doi, 1932); Central Korea—Kanghwa (Masaki, 1936); South Korea—Taegu area (Haku, 1937); Chejudo (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu), Ryukyus, Formosa.

Ectrychotes chejudonis Miyamoto et Lee, sp. nov.

(Pl. 17)

Size: Female 14.5 mm. long, 4.2 mm. wide across humeri and 5.5 mm. in greatest width across abdomen.

Coloration: Head, pronotum and scutellum shining black with very slight metalic luster on head and anterior lobe of pronotum, somewhat

brown tinge on posterior lobe of pronotum. Hemelytra blackish, with base pale brown, both sides of claval vein brownish; membrane fuscous with blackish veins. Lateral and ventral sides of thorax more or less with metalic luster. Legs black, with trochanters, base of femora pale reddish brown; anterior femora with a pale longitudinal yellow stripe behind middle on inner side, anterior tibiae with a pale yellow longitudinal stripe on each of dorsal and ventral side; tarsi pale brown with apical half of distal segment somewhat dark. Dorsal surface of connexivum black with antero-lateral corners of the segments sordid yellow, the pale markings on 2 basal connexival segments much broader but not covering whole surface of the segments; outer side of apical segment widely pale. Ventral side of abdomen black, median portion of 3rd to 6th ventrites broadly reddish brown.

Structure: Head a little longer than wide across eyes (2.00 : 1.76), interocular space about twice as wide as an eye wide (.90 : .43); ocelli elevated, interspace of ocelli less than distance between eye and ocellus (.23 : .28). Proportions of antennal segments I to IV: 1.50 : 2.00 : 2.00 : 1.80; relative lengths of rostral segments I to III: 1.00 : .95 : .58.

Pronotum shorter (3.55) than width; anterior lobe about 2/3 length of posterior lobe (1.40 : 2.15); transverse sulci with a deep pit laterally, pits on median row deep; posterior lobe with sublateral arcuate sulcus, which is deep at hind apex. Hemelytra almost reaching abdominal tip; basal section of M vein and apical section of Cu vein on membrane together almost forming a line or combined vein of M+Cu very short, middle section* of Cu vein contiguous with corresponding section of M vein to show a straight line. Legs stout; femora armed with subapical low tubercle on ventral side; anterior femora thick, 3/10 times as wide as long; tarsi furnished with very short bristle-like hairs on ventral side, some slightly longer ones only on posterior tarsi.

Relative lengths of leg segments:

	Femur	Tibia	Ta 1	Ta 2	Ta 3
Anterior leg	3.00	3.15	.37	.40	.67
Intermediate leg	3.15	3.15	.37	.42	.75
Posterior leg	4.70	4.50	.50	.60	.95

Holotype ♀, Tonghong, Cheju Island, 16. viii. 1965, C. E. Lee.

This species is allied to *E. andreae* (Thunberg, 1784) but differing from it by more robust and larger body, dark brown posterior lobe of pronotum, sordid yellow markings on connexivum, wider black coloured areas on abdominal venter, very short distance of vein M+Cu, distinctly

*Oblique portion of Cu vein and bordering apex of M cell from membrane.

shorter bristle-like hairs on tarsi. In *E. andreae* distance of vein M+Cu is almost as long as apical bordering vein of cell M or M vein between base of r-m vein and base of membranal Cu vein, and these 3 parts of veins are not arranged into a straight line.

Haematoloecha rufithorax (Breddin, 1903), comb. nov.

Scadra rufithorax Breddin, 1903, Zool. Anz. **26**: 510.
Scadra rufithorax: Miyamoto, 1965, Icon. Ins. Jap., Col. Nat. **3**: 94, pl. 47, fig. 14.

Specimens examined: Kyungsangpookdo—Phagae Temple, 1♂, 21. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♀, 11. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Tsushima).

Subfamily **Harpactorinae**

Rhinocoris ornatus (Uhler, 1896)

Harpactor ornatus Uhler, 1896, Proc. U. S. Nat. Mus. **19**: 269.
Harpactor ornatus: Oshanin, 1908, Verz. Pal. Hem. **1**: 553.
Harpactor ornatus: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 63.
Rhynocoris ornatus: Furukawa, 1930, Kontyû **4**(1): 53.
Rhynocoris ornatus: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Rhynocoris ornatus: Yamada, 1936, ibid. 21: 21.
Rhynocoris ornatus: Haku, 1937, ibid. 22: 71.
Rhynocoris ornatus: Doi, 1938, Kontyû **11** (1): 90.
Rhynocoris ornatus: Tanaka, 1939, Ent. World **7** (61): 137.
Rhynocoris ornatus: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Rhinocoris ornatus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 47.
Rhynocoris ornatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 94, pl. 47, fig. 16.

Specimens examined: Kyungsangpookdo—Phalgongsan, 1♂, 7. v. 1961, C. E. Lee; Mt. Sobeck, north border of Kyungpookdo, 1♂, 5. viii. 1959, C. E. Lee & T. S. Choi.

Localities: North Korea—Pyungyang, Musanlyeong (Doi, 1932), Onbo, Juweol Spa., Hampook (Furukawa, 1930), Gaema Plateau (Doi, 1938): Central Korea—Mt. Keomkang (Cho, 1947); South Korea—Taegu (Haku, 1937); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu).

Sphedanolestes impressicollis (Stål, 1861)

Reduvius impressicollis Stål, 1861, Stett. Ent. Zeit. **22**: 147.
Sphedanolestes impressicollis Stål, 1874, Enum. Hem. **4**: 33.
Sphedanolestes impressicollis: Oshanin, 1908, Verz. Pal. Hem. **1**: 553.
Sphedanolestes impressicollis: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 63.
Sphedanolestes impressicollis: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Sphedanolestes impressicollis: Kamijo, 1933, ibid. 15: 14.
Sphedanolestes impressicollis: Yamada, 1936, ibid. 21: 15, 21.
Sphedanolestes impressicollis: Masaki, 1936, Kontyû 10 (5): 270.
Sphedanolestes impressicollis: Ishihara, 1937, Ent. World **5** (44): 729.
Sphedanolestes impressicollis: Tanaka, 1939, ibid. **7** (61): 139, **7** (69): 677.
Sphedanolestes impressicollis: Nagaoka, 1940, ibid. 8 (77): 478.
Sphedanolestes impressicollis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 48.
Sphedanolestes impressicollis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 94, pl. 47, fig. 18.

Specimens examined: Kyungsangpookdo—Dongchong, Taegu, 1♀, 24. v. 1958, C. E. Lee & T. S. Choi; Donghwa Temple, 1♀, 14. vi. 1959, C. E. Lee & T. S. Choi, 1♀, 7. v. 1961, 1♂, 12. ix. 1961, C. E. Lee & M. Y. Lee; Mt. Phalgong, 1♀, 12. ix. 1959, C. E. Lee & T. S. Choi, 1♀, 25. ix. 1960, C. E. Lee; Phagae Temple, 1♂, 21. ix. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 24. x. 1959, 1♂, 10. ix. 1960, C. E. Lee & T. S. Choi, 1♂, 9. x. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Localities: North Korea—Mt. Myohyang (Nagaoka, 1940); Central Korea—Mt. Seolack (Tanaka, 1939), Seoul & Incheon (Tanaka, 1939), Kanghwa Is. (Masaki, 1936), Samseongsan, Soyosan (Doi, 1932); South Korea—Naejangsan, Jeonnam (Yamada, 1936), Ocksandong, Kyungsan (Kamijo, 1933); Chejudo (Okamoto, 1924).

Distribution: Korea, Quelpart Is. Japan (Honshu, Shikoku, Kyushu), China, India, Formosa.

Velinus nodipes (Uhler, 1860)

Velinus nodipes: Furukawa, 1930, Kontyû **4** (1): 53.
Velinus nodipes: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Velinus nodipes: Yamada, 1936, ibid. 21: 21.
Velinus nodipes: Haku, 1937, ibid. 22: 71.
Velinus nodipes: Ishihara, 1937, Ent. World **5** (44): 730.

Velinus nodipes: Tanaka, 1939, ibid. **7** (61): 137.
Velinus nodipes: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 48.
Velinus nodipes: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 94, pl. 47, fig. 19.

Specimens examined: Kyungsangpookdo—Samsan, Taegu, 2 nym., 6. x. 1959, C. E. Lee; Kosankol, Taegu, 1 nym., 18. vii. 1960, 1♂, 25. ix. 1960, C. E. Lee; Phagae Temple, 7 nym., 21. ix. 1960, 4 nym., 24. x. 1960, C. E. Lee; Unmun Temple, 1 nym. 17. vi. 1961, C. E. Lee & M. Y. Lee; Mt. Phalgong, 2 nym., 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 3 nym., 9. x. 1958, 3 nym., 3. x. 1959, 4 nym., 10. viii. 1960, C. E. Lee & T. S. Choi, 1 nym., 10. ix. 1964, C. E. Lee, S. K. Kim & Y. C. Lee, 2 nym., 14. xi. 1964, C. E. Lee.

Chejudo—Taejeong-Eop, 2 nym., 1. viii. 1962, C. E. Lee & M. Y. Lee; Sinlye, Namweon, 1 nym., 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: Central Korea—Suweon (Furukawa, 1930), Seoul area (Doi, 1932, Tanaka, 1939); South, Korea—Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), China.

Family **Tingidae**

Subfamily **Cantacaderinae**

Cantacader lethierryi Scott, 1874

Cantacader lethierryi Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 289, 443.
Cantacader lethierryi: Oshanin, 1908, Verz. Pal, Hem. **1**: 401.
Cantacader lethierryi: Saito, 1933, J. Chosen Nat. Hist. Soc. 15: 6.
Cantacader lethierryi: Yamada, 1936, ibid. 21: 24.
Cantacader lethierryi: Doi, 1936, ibid. 21: 104.
Cantacader lethierryi: Haku, 1937, ibid. 22: 72.
Cantacader lethierryi: Ishihara, 1937, Ent. World **5** (44): 732.
Cantacader lethierryi: Takeya, 1962, Mushi **36** (5): 47.

Specimens examined: Kyungsangpookdo—Seochon, near Phagae Temple, 1♂, 5♀♀, xi. 1961, C. E. Lee & M. Y. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 23. xi. 1964, C. E. Lee.

Chejudo—Beopho, Sanghyo, Seogwi-Eop, 5 nym., 16. viii. 1965, Sinlye, Namwegon, 3♂♂, 5♀♀, 17. viii. 1965, C. E. Lee, Y. C. Lee, & J. H. Park.

Localities: Central Korea—Chuncheon, Kangweondo (Saito, 1933); South Korea (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Formosa.

Subfamily **Tinginae**

Leptoypha wuorentausi (Lindberg, 1927)

Tingis (*Birgitta*) *wuorentausi* Lindberg, 1927, Act. Soc. Faun. Flor. Fenn. **56**: 18, pl. fig. 4.
Tingis crispifolii Takeya, 1932, Mushi **5**: 12-13, pl. 1, fig. 3.
Tingis crispifolii: Saito, 1933, J. Chosen Nat. Hist. Soc. 15: 7.
Tingis crispifolii: Yamada, 1936, ibid. 21: 24.
Tingis crispifolii: Saito, 1941, Bull. Agr. & Forest. Coll. Suigen **6**: 154.
Leptoypha wuorentausi: Takeya, 1962, Mushi **36** (5): 55.

Specimens examined: Kyungsangpookdo—Phalgongsan, 2♂♂, 3. x. 1960, C. E. Lee; Kosankol, Taegu, 1♀, 14. v. 1961, C. E. Lee & M. Y. Lee.
Chejudo—Keomack, Hanlim, 1♀, 14. viii. 1965, C. E. Lee.

Localities: Central Korea—Suweon, Kyungkido (Takeya, 1933), Mt. Keomkang (Takeya, 1932).

Distribution: Korea, Quelpart Is. (new record), Ussuri.

Tingis comosa (Takeya, 1931)

Dictyonota comosa Takeya, 1931, Mushi **4**: 66, pl. 7, fig. 8, pl. 8, figs. 1-3.
Tingis comosa: Drake, 1948, Notes Ent. Chin. **11**: 2.
Tingis comosa: Takeya, 1962, Mushi **36** (5): 12.
Tingis comosa: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 90, pl. 45, fig. 19.

Specimens examined: Kyungsangpookdo—Phagae Temple, 1♂, 3. x. 1960, C. E. Lee; Mt. Phalgong, 2♂♂, 3. x. 1960, C. E. Lee, 1♂, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Kosankol, Taegu, 1♀, C. E. Lee.
Chejudo—Kwaneom Temple, 1♂, 28. vii. 1962, C. E. Lee & M. Y. Lee, 2♀♀, 12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Locality: South Korea,—Taegu (Takeya, 1962).

Distribution: Korea, Quelpart Is. (new record), Japan (west part of Honshu, Kyushu), Manchuria, S. China.

Uhlerites debile (Uhler, 1896)

Phyllontocheila debile Uhler, 1896, Proc. U. S. Nat. Mus. **19**: 265.
Phyllontocheila debile: Oshanin, 1908, Verz. Pal. Hem. **1**: 429.
Stephanitis x-nigrum Lindberg, 1927, Acta. Faun. Flor. Fenn. **56**: 15, pl. fig. 3.
Uhlerites debile: Drake, 1927, Philip. J. Sci. **32**: 56.
Phyllentocheila debile: Saito, 1931, Bull. Agr. & Forest. Coll. Suigen **4**: 72.
Uhlerites debile: Takeya, 1931, Mushi **4**: 78, pl. fig. 5, pl. 9. fig. 7.

Uhlerites debile: Takeya, 1932, Mushi **5**: 10.
Uhlerites debile: Saito, 1933, J. Chosen Nat. Hist. Soc. 15: 17.
Uhlerites debile: Yamada, 1936, ibid. 21: 24.
Uhlerites debile: Haku, 1937, ibid. 22: 72.
Uhlerites debile: Ishihara, 1937, Ent. World **5** (44): 733.
Uhlerites debile: Nakayama et Okamoto, 1940, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **12** (3): 224.
Uhlerites debile: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 44.
Uhlerites debile: Takeya, 1962, Mushi **36** (5): 69.
Uhlerites debile: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 90, pl. 45, fig. 23.

Specimens examined: Kungsangpookdo—Kungpook Univ. campus, 4♀♀, 1. ix. 1959, Kosankol, Taegu, 5♂♂, 1♀, 18. vii. 1965, Kapjae, Kyungsan, 15♂♂, 10♀♀, 4. ix. 1960, C. E. Lee; Phage Temple, 7♂♂, 9♀♀, 24. x. 1960, 2♂♂, 1♀, nym., 12. ix. 1965, 20♂♂, 33♀♀, many nym., 3. x. 1965, C. E. Lee, Y. C. Lee, J. H. Park, K. M. Choi, H. K. Shin, H. S. Park, K. H. Kim, Y. J. Jhi & J. S. Choo; Taegu, 2♂♂, 1♀, 22. vii. 1961, C. E. Lee & M. Y. Lee; Donghwa Temple, 6♂♂, 4♀♀, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Chejudo—Kwaneom Temple, 3♂♂, 2♀♀, 27. vii. 1962, C. E. Lee & M. Y. Lee; Seogwi-Eop, 1♂, 1♀, 13. vii. 1962, Chungmun, 4♀♀, 1. viii. 1962, C. E. Lee & M. Y. Lee.

Localities: Central Korea—Suweon (Takeya, 1932, Saito, 1933), Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Formosa, China, E. Siberia (Amur).

Family **Nabidae**

Subfamily **Prostemmatinae**

Prostemma hilgendorffi Stein, 1878

Prostemma hilgendorffi Stein, 1878, Deut. Ent. Zeit. **22**: 378.
Prostemma hilgendorffi: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 95, pl. 48, fig. 6.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 7. v. 1961, C. E. Lee; Kyungpook Univ. campus, 1♂, 1. iv. 1962, C. E. Lee.

Chejudo—Pyoseon, 1♀, 16. viii. 1964, C. E. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, E. Siberia.

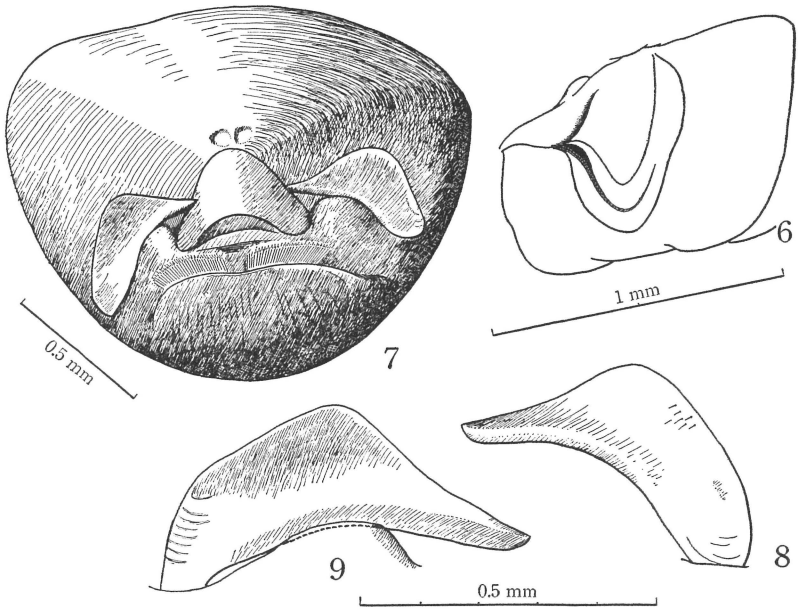
Prostemma quelpartense Miyamoto et Lee, sp. nov.

(Textfigs. 6—9; Pl. 18)

Size: For male length of body ca 8.2 mm., basal width of pronotum 1.92 mm., and gretest width across abdomen 2.9 mm.; those for females 9.1—9.5 mm. long, 2.20 mm. wide and 3.35—3.45 mm. wide.

Coloration: Black and somewhat shining, covered with black hairs. Eyes brownish black, ocelli reddish, antennae dark brown, with apical portion of 2nd segment black and apices of 3rd and 4th segments dark; rostrum black with extreme apex of 3rd segment and whole 4th segment brown in male or only apical segment dark brown in female. Hemelytra in male reddish orange except for clavus (excluding apical half of basal inner area) and postero-inner corner blackish, in female orangish red with hemelytral base and basal half of claval inner margin black or with base including entire clavus blackish; membrane infuscate. Legs brownish, with coxae dark, apical portion of tibiae and tarsi black; posterior pairs of femora paler on basal half, somewhat dark at apex. Apical part of male abdomen somewhat tinged with brown.

Structure: Head (excluding neck portion) nearly as long as wide (1.40 : 1.34), dorsal surface furnished with long erect hairs, anterior part



Textfigs. 6—9. *Prostemma quelpartense.*

6 left metapleuron, 7 apical segments of ♂ abdomen, caudal view, 8 & 9 right- and left-hand parameres.

of head slightly shorter than length of eye, interocular space a little more than width of eye (.48 : .43 in ♂; .50 : .42 in ♀). Antennae half as long as body in male but relatively shorter in female, clothed with hairs excepting on most part of apical segment; relative lengths of antennal segments I to IV : .50 : 1.23 : 1.08 : 1.28 in ♂, .50 : 1.28 : 1.20 : 1.30 in ♀. Proportions of rostral segments I to IV: .48 : .70 : .92 : .31.

Pronotum about as long as wide (2.05 : 1.92 in ♂, 2.20 : 2.20 in ♀), polished, provided with long erect hairs, those on lateral sides longer, with sparse punctures on anterior area and posterior lobe, the latter somewhat rugose. Scutellum longer than basal width (.95 : .80), with apex subtruncate, with a pair of longitudinal impressions near base. Hemelytra abbreviated, covered with pale suberect hairs (except a single long erect hair near corial base black), hemelytral apex only little surpassing base of 2nd abdominal tergite; membrane rudimental. Anterior femora incrassate, ca 2/5 times as wide in middle as long, furnished with long hairs and on ventral side armed with spinulets on median tubercle and 3 or 4 rows of spinulets behind the tubercle; tibiae widened near apex, armed with 2 rows of spinulets on underside, spongy fossa occupying about apical one-third of tibia; intermediate tibiae with 3 rows of spines; posterior ones with 2 rows of spines.

Proportions of leg segments:

	Femur	Tibia	Ta 1	Ta 2	Ta 3
Anterior leg	2.02	1.92	.15	.33	.44
Intermediate leg	2.10	1.92	.16	.42	.54
Posterior leg	3.00	3.10	.24	.60	.73

Peritreme of metathorathic gland opening (Textfig. 6) rather narrow, strongly bent forwards before middle, margins of the apical section almost parallel to lateral margin of metapleuron. Dorsal surface of abdomen punctured (on basal segments) and transversely rastrate; each connexival segment with a long erect hair near postero-outer corner.

Parameres of male genital segment (Textfigs. 8 & 9) thin plate-like, widest and curved near middle and then tapered toward apex, with upper or hind dorsal margin slightly concavely sinuate.

Holotype ♂, brachypterous, Ponggae, Cheju Island, 13. viii. 1965, C. Lee; allotype ♀, brachypterous, Keomack, the same island, 14. viii. 1965, C. Lee; 1 ♀ paratype, Pyoseon, the same island, 18. viii. 1965, C. Lee.

P. quelpartense is closely allied to *P. flavipennis* Fukui, 1927 (Japan) but separated from the latter by the reddish hemelytra, 3rd antennal segment distinctly shorter than 2nd or 4th segment, broader basal section of ostiolar peritreme than on apical section and convavely sinuate upper

margin of parameres. In *flavipennis* proportions of antennal segments I to IV : .63 : 1.35 : 1.30 : 1.37, ostiolar peritreme widest near apex of forwardly directed apical section and left-hand paramere with upper margin wavely sinuate.

Subfamily **Nabinae**

Himacerus apterus (Fabricius, 1796)

Nabis apterus: Oshanin, 1908, Verz. Pal. Hem. **1**: 568.
Nabis apterus: Furukawa, 1930, Kontyû **4** (1): 53.
Reduviolus apterus: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Nabis apterus: Esaki, 1932, Icon. Ins. Jap.: 1669, fig. 3298.
Nabis apterus: Doi, 1933, J. Chosen Nat. Hist. Soc. 15: 90.
Nabis apterus: Yamada, 1936, ibid. 21: 24.
Nabis apterus: Tanaka, 1939, Ent. World **7** (61): 141.
Nabis apterus: Nagaoka, 1940, ibid. 8 (77): 478.
Nabis apterus: Tanaka, 1942, ibid. **10** (105): 709.
Nabis apterus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 254, fig. 665.
Nabis (*Himacerus*) *apterus*: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 48.
Himacerus apterus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 95, pl. 48, fig. 9.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 2♀♀, 9. x. 1959, C. E. Lee; Ulneong Is., 2♀♀, viii. 1960, C. E. Lee & I. C. Kim.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 3. x. 1959, 1♂, 3. ix. 1960, C. E. Lee; Tohngdo Temple, Yangsan, 1♂, 12. vi. 1965, C. E. Lee.

Chejudo—Cheju City area, 1♀, viii. 1956, C. E. Lee.

Localities: North Korea—Onbo, Juweol Spa. Hankyungdo (Furukawa, 1930), Mt. Myohyang (Nagaoka, 1940); Central Korea—Seoul area, Siheong (Doi, 1932, Tanaka, 1939).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Saghaline, Siberia, China, Europe, N. Africa.

Nabis apicalis Matsumura, 1913

Nabis apicalis Matsumura, 1913, Thous. Ins. Jap. Add. **1**: 177, pl. 15, fig. 22.
Nabis apicalis: Tanaka, 1939, Ent. World **7** (69): 677.
Nabis (*Himacerus*) *apicalis*: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 48.
Nabis apicalis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 95, pl. 48. fig. 10.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 21. ix.

1960, C. E. Lee & T. S. Choi; Kosankol, Taegu, 1♂, 25. ix. 1960, 3♂♂, 1♀, 23 & 24. x. 1960, C. E. Lee; Unmun Temple, 1♀, 17. vi. 1961, C. E. Lee & M. Y. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 12♂♂, 9♀♀, 9. x. 1958, C. E. Lee & T. S. Choi, 1♀, 9. ix. 1959, 9♂♂, 14♀♀, 3. ix. 1960, 1♂, 4♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♂♂, 3 nym., 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee; Pyoseon, 1♀, 18. viii. 1965, C. E. Lee.

Locality: Central Korea—Mt. Keomkang (Tanaka, 1939).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China.

Nabis reuteri Jakovlev, 1876

Nabis reuteri Jakovlev, 1876, Horae Soc. Ent. Ross. **9**: 203.
Nabis reuteri: Oshanin, 1908, Verz. Pal. Hem. **1**: 574.
Nabis reuteri: Doi, 1936, J. Chosen Nat. Hist. Soc. 21: 103.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♂♂, 1♀, 30. viii. 1959, C. E. Lee & T. S. Choi, 1♂, 16. ix. 1960, C. E. Lee, 2♂♂, 1♀, 10. viii. 1961, C. E. Lee & M. Y. Lee; Donghwa Temple, 2♂♂, 3. x. 1959, C. E. Lee & T. S. Choi, 1♂, 1♀, 17. ix. 1965, 1♂, 3♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 4♂♂, 2♀♀, 9. x. 1958, C. E. Lee & T. S. Choi, 3♂♂, 5♀♀, 9. ix. 1959, 3♀♀, 12. ix. 1959, 2♂♂, 1♀, 3. x. 1959, 2♂♂, 3♀♀, 10. viii. 1960, 6♂♂, 6♀♀, 3. ix. 1960, 1♂, 3♀♀, 10. ix. 1960, C. E. lee.

Chejudo—Seongsanpho, 3♀♀, 2. viii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 2 nym., 28. vii. 1962, C. E. Lee, 1♂, 1♀, 11. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Locality: Central Korea—Mt. Soyo (Doi, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan, Manchuria, C. China, E. Siberia.

Nabis stenoferus Hsiao, 1964

Nabis stenoferus Hsiao, 1964, Acta. Ent. Sin. **13**: 234, 239, fig. 13.
Reduviolus ferus: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Nabis ferus: Doi, 1934, J. Chosen Nat. Hist. Soc. 18: 138.
Nabis ferus: Tanaka, 1939, Ent. World **7** (61): 141.
Nabis stenoferus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 95, pl. 48, fig. 11.

Specimens examined: Kyungsangpookdo—Banyaweol, Kyungsan, 1♀, 20.

viii. 1960, C. E. Lee; Phagae Temple, 1♂, 24. x. 1960, C. E. Lee; Unmun Temple, 1♂, 2♀♀, 18. vi. 1961, C. E. Lee, M. Y. Lee, Y. C. Shim & B. S. Han; Kyungpook Univ. campus, 2♀♀, 6. vii. 1961, C. E. Lee & M. Y. Lee; Mt. Phalgong, 2♂♂, 12. viii. 1961, C. E. Lee & M. Y. Lee; Shincheon-dong, Taegu, 4♂♂, 15. viii. 1961, 1♂, 2♀♀, 30. viii. 1961, 2♂♂, 1. ix. 1962, C. E. Lee; Kosankol, Taegu, 1♀, 2. x. 1961, C. E. Lee; Eonhae Temple, 1♂, 2♀♀, 9. x. 1965, J. H. Park & K. M. Choi; Songrim Temple, Dong-myeong, 1♂, 1♀, 10. x. 1965 C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 3. ix. 1960, 2♂♂, 4♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Donghong, Seogwi-Eop, 1♀, 16. viii. 1965, C. E. Lee.

Localities: Central Korea—Suweon (Maruta, 1929), Seoul area (Doi, 1934, Tanaka, 1939).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Manchuria, China, E. Siberia.

Stenonabis yasumatsui Miyamoto et Lee, sp. nov.

(Textfigs. 10 & 11; Pl. 19)

Size: Male 7.93 mm. long and 1.60 mm. wide across humeri, in females 8.7—9.2 mm. long, 1.77—1.88 mm. wide across humeri and 2.61—2.82 mm. wide across abdomen.

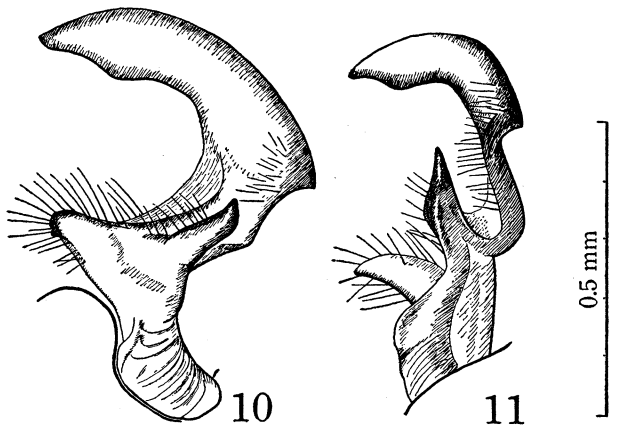
Coloration: Fuscous with some pale areas. Head with clypeus much darker, eyes brown to dark brown and ocelli slightly reddish. Antennae brownish; 1st segment with blackish base, sometimes obscure dark ring at middle; 2nd segment with blackish apical part. Rostrum pale brown with the bases of 1st and 2nd segments infuscated. Pronotal collar with a pair of slightly pale submedian markings on anterior margin and pale lateral longitudinal fasciae, posterior lobe with 3 pairs of pale longitudinal fasciae and pale hind margin, the latter interrupted by dark central broad longitudinal fascia. Scutellum darker than on other parts, with a pale marking on each side. Hemelytra with basal third somewhat paler than on hinder part, margins of hemelytra broadly on basal half of costal margin and veins on apical 2/3 of hemelytra pale excepting membrane veins. Legs pale straminous; femora with fuscous broad apical ring, the ring blackish on hind femora; tibiae with a little infuscate subbasal ring and darker apical ring; tarsi more or less infuscate at base and apex. Sterna and pleura of 2 hinder thoracic segments dark; dorsal surface, sometimes, with a pair of pale markings on each tergite and pale basal half of connexival segment; ventral surface usually with widely pale lateral sides excepting hinder part of each segment. Male genital segment somewhat brownish, with a pair of pale markings in middle.

Structure: Body somewhat elongate. Head longer than wide across eyes (1.23 : .95), anteocular part distinctly more than length of eye (.70 :

.40), interocular space a little less than 1 1/2 times as wide as an eye (.39 : .28). Antennae long but a little shorter than body; proportions of the segments I to IV: 1.45 : 1.92 : 2.02 : ca 1.85. Rostrum almost reaching apex of intermediate coxae; lengths of the segments I to IV: .41 : 1.15 : 1.15 : .58. Pronotum as long as wide (1.59 : 1.60), apical width half as much as the basal (.80 : 1.60); collar broad, faintly punctured, the posterior transverse furrow complete; posterior lobe less than half of pronotal length, faintly punctured, the posterior margin very slightly concavely sinuate. Hemelytra short, a little extending beyond middle of 3rd abdominal tergite, with clavus weakly punctured on basal half; membrane distinctly abbreviated, with very obscure 3 longitudinal veins. Legs moderately long; hind tibiae nearly three times as long as basal width of pronotum.

Lengths of leg segments, ♂:

	Femur	Tibia	Ta 1	Ta 2	Ta 3
Anterior leg	2.90	2.75	.15	.24	.39
Intermediate leg	2.90	2.90	.15	.27	.48
Posterior leg	4.05	4.50	.22	.55	.56



Textfigs. 10 & 11. *Stenonabis yasumatsui*, right-hand paramere, lateral and ventral views respectively.

Abdomen of male relatively narrow but of female distinctly widened toward hind margin of 4th segment. Male genital segment as broad as long, dorsal surface sloped laterally, with a sharp transverse ridge in midway of each slope and behind middle of the segment. Parameres (Textfigs. 10 & 11) elongate, roughly N-shaped in lateral view, with an upper curved projection above the first bend, an obliquely exterior process

in front of base of the upper projection, and with upwardly curved apical section which has lower sharp angle and suddenly narrowed apex and extends cephalad beyond the transverse ridge.

Holotype ♂, Phagae Temple, Kyungpook, S. Korea, 24. x. 1960, right intermediate leg missed; allotype ♀, Haein Temple, Kyungnam, S. Korea, 3. ix. 1960 and paratypes: 1♀, Cheju Island, 1956; 3♀♀, the same data with the allotype; 1♀, Mt. Phalgong, S. Korea, 3. ix. 1960; 1♀, Ulneong Island, Kyunpook, S. Korea, 1. viii. 1960; all specimens brachypterous and collected by C. E. Lee.

The present species is easily separated from the relatives by the short wings and elongate and zigzag parameres. From *S. roseisignatus* Hsiao, 1964 (China) and *uhleri** Miyamoto, 1964 (Japan) immediately distinguished in much longer body, dilated abdomen in female, darker colour, etc., besides above-mentioned characters.

Gorpis brevilineatus (Scott, 1874)

Nabis brevilineatus Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 445.
Gorpis brevilineatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 95, pl. 48, fig. 13.

Specimens examined: Kyungsangpookdo—Chikji Temple, Kimcheon, 1♂, 16. vi. 1962, C. E. Lee & M. Y. Lee; Donghwa Temple, 3♀♀, 30. ix. 1962, C. E. Lee & M. Y. Lee; Mt. Phalgong, 1♂, 17. ix. 1965, 1♂, 1♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Ulneong Is., 1♀, viii. 1960, C. E. Lee & I. C. Kim.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 1♀, 9. ix. 1959, 1♀, 3. ix. 1960, 3♀♀, 10. ix. 1960, C. E. Lee, 1♂, 1♀, 10. ix. 1964, C. E. Lee, S. K. Kim & Y. C. Lee; Tohngdo Temple, Yangsang, 1♀, 12. vi. 1965, C. E. Lee.

Chejudo—Cheju City area, 1♂, 1♀, viii. 1956, C. E. Lee; Kwaneom Temple, 1♂, 1♀, 28. vii. 1962, C. E. Lee & M. Y. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), E. Siberia.

Family **Anthocoridae**

Subfamily **Anthocorinae**

Anthocoris japonicus Poppius, 1909

Anthocoris japonicus Poppius, 1909, Act. Soc. Sci. Fenn. **37** (9): 33.

*Length of 1st antennal segment in the original description "3.8 (mm.)" is error and should be read for 0.83 (mm.).

Anthocoris japonicus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 50.

Anthocoris japonicus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 96, pl. 48, fig. 17.

Specimens examined: Kyungsangpookdo—Samsan, Taegu, 1♂, 1. x. 1959, C. E. Lee; Donghwa Temple, 1♂, 1♀, 27. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park; Songrim Temple, Chilkock, 1♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 19♂♂, 16♀♀, 1. xi. 1964, C. E. Lee, under the bark of *Selkova* tree in the Temple.

Chejudo—Cheju City area, 1♀, viii. 1956, C. E. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Kyushu).

Subfamily **Lyctocorinae**

Lyctocoris beneficus (Hiura, 1957)

Euspudaeus beneficus Hiura, 1957, Sci. Bull. Fac. Agr. Kyushu Univ. **16** (1): 31, pls. 1-4.

Euspudaeus beneficus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 49.

Euspudaeus beneficus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 96, pl. 48, fig. 16.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♀♀, 12. ix. 1959, C. E. Lee & T. S. Choi, 1♂, 17. ix. 1965, C. E. Lee; Taegu area, 1♂, 1♀, C. E. Lee & M. Y. Lee; Kyungpook Univ. campus, 1♂, 22. viii. 1961, light trap, C. E. Lee.

Jeonlanamdo—Yeongsanpho, 1♀, 2. viii. 1962, at light in a room, C. E. Lee & M. Y. Lee.

Chejudo—Kwanenm Temple, 1♀, 28. vii. 1962; Seogwi-Eop, 1♂, 2♀♀, 31. vii. 1962, Seongsanpho, 1♂. 1 nym., 2. viii. 1962, C. E. Lee & M. Y. Lee; Beopho, Sanghyodong, Seogwi-Eop, 2♀♀, 16. viii. 1965, Sinlye, Namweon, 1♀, 17. viii. 1965, light trap, Pyoseon, 2♀♀, 18. viii. 1965, light trap, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu).

Subfamily **Dufouriellinae**

Amphiareus obscuriceps (Poppius, 1909)

Cardiastethus obscuriceps Poppius, 1909, Act. Soc. Sci. Fenn. **37** (9): 19.

Amphiareus obscuriceps: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 49.

Amphiareus obscuriceps: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 96, pl. 48, fig. 23.

Specimens examined: Kyungsangpookdo—Samsan, Taegu, 2♀♀, 6. x. 1959, C. E. Lee; Phagae Temple, 1♂, 2. ix. 1960, C. E. Lee; Mt. Phalgong, 2♀♀, 3. x. 1960, C. E. Lee, 2♂♂, 2♀♀, 12. viii. 1961, C. E. Lee; Shincheon-dong, Taegu, 1♂, 1♀, 30. viii. 1961, C. E. Lee; Donghwa Temple, 1♂, 1♀, 30. ix. 1962, C. E. Lee & M. Y. Lee; Kosan, Kyungsan, 1♀, 3. x. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 1♀, 10. viii. 1960, C. E. Lee.

Kangweondo—Mt. Seolack, 1♂, 24. viii. 1963, C. E. Lee, M. Y. Lee, & Y. C. Lee.

Chejudo—Ponggae, 1♂, 13. viii. 1965, C. E. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Family **Cimicidae**

Cimex lectularius Linné, 1758

Cimex lectularius Linné, 1758, Syst. Nat. Ed. **10**: 441.
Cimex lectularius: Oshanin, 1909, Verz. Pal. Hem. **1**: 609.
Cimex lectularius: Okamoto et Matsumura, 1922, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **7**: 21.
Cimex lectularius: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 62.
Cimex lectularius: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 45.
Cimex lectularius: Nagahana, 1934, ibid. 17: 6.
Cimex lectularius: Yamada, 1936, ibid. 21: 12.
Cimex lectularius: Tanaka, 1939, Ent. World **7** (61): 135.
Cimex lectularius: Tanaka, 1942, ibid. **10** (104): 662, **10** (105): 706.

Localities: North Korea—Pyeongnam, Hamnam (Okamoto & Matsumura, 1922), Hapsu R. R. Station (Tanaka, 1942), Yeongweon, Pyeongnam (Doi, 1932); Central Korea—Hwanghaedo (Okamoto & Matsumura, 1922), Seoul (Doi, 1932); South Korea—Sangri, Jeongeop, Naejangmyeong, Jeonnam (Yamada, 1936), Chungnam (Okamoto & Matsumura, 1922); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Cosmopolitan.

Family **Miridae**

Subfamily **Bryocorinae**

Monalocoris japonensis Linnavuori, 1961

Monalocoris japonensis Linnavuori, 1961, Ann. Ent. Fenn. **27** (4): 164, fig. 3 i & j, fig. 4 c.

Monalocoris japonicus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 97, pl. 49, fig. 6.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♀, 1♂, 9. x. 1959, C. E. Lee & T. S. Choi, 1♂, 1♀, 3. ix. 1962, C. E. Lee & M. Y. Lee; Phagae Temple, 2♀♀, 21. ix. 1962, C. E. Lee; Mt. Phalgong, 2♂♂, 3♀♀, 17. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 3♀♀, 9. x. 1958, C. E. Lee & T. S. Choi, 3♀♀, 10. viii. 1960, 1♀, 9. x. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♂♂, 6♀♀, 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee; Seogwipho, 1♂, 2♀♀, 31. vii. 1962, Chungmun, 2♂♂, 1♀, 1. viii. 1962, Taejeong-Eop, 2♀♀, 1. viii. 1962, Seongsanpho, 2♂♂, 2. viii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 5♂♂, 10♀♀, 10-12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Donghong, Seogwi-Eop, 1♂, 4♀♀, 16. viii. 1965, Beopho, Sanghyo-dong, Seogwi-Eop, 3♀♀, 16. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Ryukyus, Formosa.

Subfamily **Phylinae**

Tytthus chinensis (Stål, 1859)

Capsus chinensis Stål, 1859, Freg. Eugen. Resa. Hem.: 258.

Tytthus chinensis: Carvalho et Southwood, 1955, Bol. Mus. Goeldi **11** (1): 19, fig. 2A-E.

Tytthus chinensis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 97, pl. 49, fig. 8.

Specimens sxamined: Chejudo—Halye, Namweon, 3♂♂, 10♀♀, 17. viii. 1965, light trap, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Cheju Is. (new to Korean fauna), Japan (Shikoku, Kyushu, Ogasawara Is.), Formosa, China, Australia, Fiji, Tahiti, Samoa, New Hebrides, Micronesia.

Subfamily **Hallodapinae**

Hallodapus fenestratus Linnavuori, 1961

Hallodapus fenestratus Linnavuori, 1961, Ann. Ent. Fenn. **27** (4): 167, fig. 4a.

Hallodapus fenestratus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 97, pl. 49, fig. 13.

Specimens examined: Kyungsangpookdo—Phagae Temple, 1♀, 3. x. 1965, C. E. Lee.

Chejudo—Taejeong-Eop, 1♂, 1. viii. 1962, C. E. Lee & M. Y. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Kyushu), Formosa.

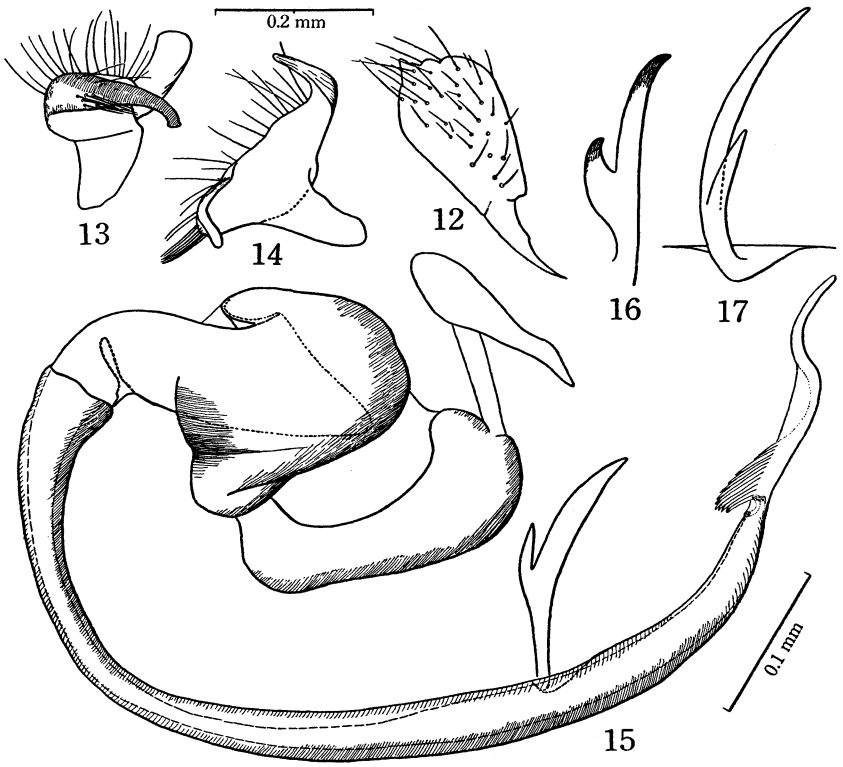
Subfamily **Orthotylinae**

Pilophorus okamotoi Miyamoto et Lee, sp. nov.

(Textfigs. 12—15; Pl. 20)

Size: For males body length 3.55—3.8 mm., pronotal basal width 1.04—1.20 mm. and greatest width across hemelytra 1.28—1.42 mm.; those for females 3.8—4.0 mm. long, 1.02—1.08 mm. wide and 1.44—1.50 mm. wide.

Coloration: Head dark brown and slightly shining, paler toward apex; 1st segment of antennae yellowish, 2nd segment orangish with apical third blackish, 3rd segment with basal half whitish and apical



Textfigs. 12—15. *Pilophorus okamotoi*.

12 right-hand paramere, 13 & 14 left-hand paramere viewed from 2 different directions, 15 aedeagus, lateral view.

Textfig. 16. *P. lucidus*, bifurcate sclerotized rod.

Textfig. 17. *P. setulosus*, the same.

half dark, apical segment entirely dark; rostrum brownish. Pronotum and scutellum dark brown and slightly shining, the latter with 3 groups of silvary hairs. Hemelytra dirty yellow, apices of corium and clavus behind posterior silvary band dark brown and slightly shining except for inner half of corium paler and not shining, cuneus slightly shining dark brown; membrane infuscate. Legs brownish, with coxae and trochanters pale yellow and apical half of tarsi blackish. Abdomen dark brown.

Structure: Head produced below more than half the height of eye in lateral view; in front of basal carina of vertex somewhat distinctly depressed; interocular space a little less or more than twice as much as an eye wide (.41 : .24 in ♂, .49 : .23 in ♀). 2nd antennal segment slightly widened toward apex, distinctly longer than pronotal basal width; relative lengths of the segments I to IV: .36 : 1.34 : .70 : .70 in ♂, .36 : 1.44 : .77 : .69 in ♀. Rostrum reaching middle of intermediate coxae.

Pronotum distinctly shorter than wide (.68 : 1.04 in ♂, .73 : 1.02 in ♀), strongly widened behind middle (♂) or less strongly widened behind (♀). Hemelytra devoid of bristle-like hairs. Legs moderately long, hind tibiae longer than costal length of corium; proportions of leg segments in hind pair: femur: tibia: tarsal segment I : II : III=1.43 : 2.18 : .13 : .22 : .21.

Parameres of dissimilar shape, right-hand one (Textfig. 12) with simple shape and suddenly narrowed apex, left-hand one (Textfigs. 13 & 14) of T-shape, with moderately broad, upwardly directed, round-headed arm and with apically narrowed interiorly curved arm (apophysis), the latter arm somewhat widened at apex. Aedeagus (Textfig. 15) with bifurcate sclerotized rod, its smaller arm distinctly narrower than another.

Holotype ♂, left hinder legs lost, allotype ♀, Kwaneom Temple, Cheju Is., 29. vii. 1962, 2♀♀ (damaged), 28. vii. 1962 and 3♀♀ (damaged), 11. viii. 1965, the same locality with the type; 1♂, Haein Temple, Kyungnam, S. Korea, 3. x. 1959; all specimens collected by C. E. Lee.

This species is allied to *P. lucidus* Linnavuori, 1962 (Kyushu) but different from it by much paler colour, broader silvary hair bands on hemelytra, longer head, longer antennae and legs, slightly widened apex of apophysis of left-hand paramere and differently constructed, bifurcate, sclerotized rod on aedeagus (Cf. that of *lucidus*, Textfig. 16). From *P. setulosus* Horváth, 1905 (Japan) (Textfig. 17) this is easily separated in smaller body, absence of bristle-like hairs on dorsum and others. Specific name is dedicated to the late Dr. H. Okamoto, a contributor to the insect fauna of Cheju Island.

Halticus insularis Usinger, 1946

Halticus insularis Usinger, 1946, B. P. Bishop Mus. Bull. **189**: 85.
Halticus tibialis: Esaki, 1932, (part.) Icon. Ins. Jap.: 1683, fig. 3326.
Halticus tibialis: Esaki, 1950, (part.) Icon. Ins. Jap. Ed. ref.: 263, fig. 691.

Halticus insularis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 98, pl. 49, fig. 20.

Specimens examined: Chejudo—Taejeong-Eop, 1♂, 1. viii. 1962, C. E. Lee & M. Y. Lee; Sinlye, Namweon, 2♂♂, 1♀, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Tsushima), Ryukyus, Micronesia.

Cyrtopeltis tenuis Reuter, 1895

Cyrtopeltis tenuis Reuter, 1895, Rev. Ent. **14**: 139.
Cyrtopeltis tenuis: Esaki, 1950, Icon. Ins. Jap.: 261, fig. 685.
Cyrtopeltis tenuis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 97, pl. 49, fig. 14.

Specimens examined: Kyungsangpookdo—Banyaweol, Kyungsan, 1♀, 20. vii. 1960, C. E. Lee; Mt. Phalgong, 1♂, 23. viii. 1962, C. E. Lee & M. Y. Lee; Donghwa Temple, 1♀, 30. ix. 1962, C. E. Lee, 1♀, 17. ix. 1965, 2♀♀, 27. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park; Songrim Temple, Dongmyeong, 1♂, 10. x. 1965, C. E. Lee; Mt. Tahebeck, north border of the province, viii. 1959, C. E. Lee & T. S. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 3♀♀, 10. viii. 1960, C. E. Lee, 2♀♀, 9. x. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Chejudo—Kwaneom Temple, 3♂♂, 7♀♀, 10-12. viii. 1965, Ponggae, 1♂, 1♀, 13. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu, Tsushima), Ryukyus.

Subfamily **Mirinae**

Stenodema (**Brachystira**) **calcaratum** (Fallén, 1807)

Stenodema (*Brachytropis*) *calcaratum*: Oshanin, 1909, Verz. Pal. Hem. **1**: 763.
Stenodema calcaratum: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 44.
Stenodema calcaratum: Yamada, 1936, ibid. 21: 21.
Stenodema calcaratum: Tanaka, 1942, Ent. World **10** (104): 663.
Stenodema calcaratum: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Stenodema (*Brachystira*) *calcaratum*: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 53.
Stenodema (*Brachystira*) *calcaratum*: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 98, pl. 49, fig. 24.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♂♂, 1♀, 10 & 12. viii. 1961, C. E. Lee & M. Y. Lee, 2♀♀, 17. ix. 1965, C. E. Lee, K. M.

Choi & J. H. Park; Kapjae, Kyungsan, 1♀, 10. iv. 1964, C. E. Lee, Ulneong Is., 1♀, viii. 1960, C. E. Lee & I. C. Kim.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 5♀♀, 9. x. 1958, C. E. Lee & T. S. Choi, 2♀♀, 9. ix. 1959, 1♂, 1♀, 24. x. 1959, 4♂♂, 7♀♀, 3. ix. 1960, 4♂♂, 3♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Taejeong-Eop, 1♀, 1. viii. 1962, C. E. Lee & M. Y. Lee.

Localities: North Korea—Hapsu, Duryusan, Dohwadang, Taetahckchi, Mt. Kodusan (Tanaka, 1942); Central Korea—Mt. Soyo (Doi, 1932), Mt. Keomkang (Cho, 1947).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku), Saghaline, Amur, Irkutsk, Europe, Aethiopean R.

Trigonotylus ruficornis (Geoffroy, 1785)

Cimex ruficornis Geoffroy, 1785, in Fourcroy, Ent. Paris: 209.
Trigonotylus ruficornis: Oshanin, 1909, Verz. Pal. Hem. **1**: 773.
Trigonotylus ruficornis: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 324.
Trigonotylus ruficornis: Eguchi, 1934, ibid. **7** (1): 102.
Trigonotylus ruficornis: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 21.
Trigonotylus ruficornis: Tanaka, 1938, Ent. World **6** (52): 522.
Trigonotylus ruficornis: Koba, 1941, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **13** (2): 25.
Trigonotylus ruficornis: Tanaka, 1942, Ent. World **10** (104): 663.
Trigonotylus ruficornis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 98, pl. 49, fig. 26.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♂, 9. ix. 1959, C. E. Lee; Kyungpook Univ. campus, 1♀, 24. ix. 1960, 1♀, 6. vii. 1961, C. E. Lee, 1♂, 3♀♀, 11 & 12. vii. 1961, C. E. Lee; Mt. Unmun, 1♂, 18. vi. 1961, C. E. Lee; Mt. Phalgong, 1♂, 12. viii. 1961, C. E. Lee & M. Y. Lee; Shincheondong, Taegu, 3♂♂, 2♀♀, 30. viii. 1961, C. E. Lee.

Kyungsangnamdo—Kupho, Pusan, 1♀, 25. vii. 1962, C. E. Lee & M. Y. Lee.

Chejudo—Pyoseon, 1♀, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Pyungyang (Tanaka, 1938); Central Korea—Seoul area (Tanaka, 1938), Suweon (Maruta, 1929), Sariweon (Eguchi, 1934, light trap).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, Siberia, Europe, N. Africa, Alaska, Canada.

Creontiades pallidifer (Walker, 1873)

Capsus pallidifer Walker, 1873, Cat. Het. **6**: 199.
Creontiades bipunctatus: Esaki, 1932, (part.) Icon. Ins. Jap.: 1674 fig. 3308.
Creontiades bipunctatus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 14, 21.
Creontiades bipunctatus: Koba, 1941, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **13** (12): 35.
Creontiades pallidifer: Carvalho, 1956, Ins. Micronesia **7** (1): 79.
Creontiades pallidifer: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 50.
Creontiades pallidifer: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 99, pl. 50, fig. 1.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 17. ix. 1960, C. E. Lee; Ulneong Is., 1♂, viii. 1960, C. E. Lee & I. C. Kim.

Chejudo—Kwaneom Temple, 1♂, 29. vii. 1962, Seongsanpho, 1♀, 2. viii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 2♂♂, 1♀, 9 & 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Pyoseon, 1♀, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: North Korea—Majidong, Pyeongando (Koba, 1941); South Korea—Pusan (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Tokara Is., Ogasawara Isls., Formosa, China, Oriental Trop., Micronesia, S. Pacific Isls.

Adelphocoris suturalis (Jakovlev, 1882)

Adelphocoris ticinensis var. *suturalis*: Oshanin, 1909, Verz. Pal. Hem. **1**: 680.
Adelphocoris suturalis: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 324.
Adelphocoris variabilis: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 44.
Adelphocoris suturalis: Doi, 1934, ibid. 17: 67, 18: 137.
Adelphocoris suturalis: Eguchi, 1934, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **7** (1): 102.
Adelphocoris suturalis: Kambe, 1934, ibid. **7** (4): 364.
Adelphocoris variabilis: Yamada, 1936, J. Chosen Nat. Hist. 21: 14, 21.
Adelphocoris suturalis: Yamada, 1936, ibid. 21: 21.
Adelphocoris suturalis: Kamijo, 1936, ibid. 21: 89.
Adelphocoris suturalis: Masaki, 1936, Kontyû **10** (5): 270.
Adelphocoris suturalis: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 72.
Adelphocoris suturalis: Tanaka, 1938, Ent. World **6** (52): 520, 521.
Adelphocoris variabilis: Tanaka, 1938, ibid. **6** (52): 521.
Adelphocoris suturalis: Tanaka, 1939, ibid. **7** (69): 677.

Adelphocoris variabilis: Tanaka, 1939, ibid. **7** (69): 677.
Adelphocoris suturalis: Tanaka, 1941, ibid. **9** (86): 211, 212.
Adelphocoris variabilis: Tanaka, 1941, ibid. **9** (86): 211, 212.
Adelphocoris variabilis: Koba, 1941, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **13** (2): 33.
Adelphocoris suturalis: Koba, 1941, ibid. **13** (2): 34.
Adelphocoris suturalis: Tanaka, 1942, Ent. World **10** (104): 663, **10** (105): 709.
Adelphocoris suturalis: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 259, fig. 678.
Adelphocoris variabilis: Esaki, 1950, ibid.: 259, fig. 679.
Adelphocoris suturalis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 50.
Adelphocoris suturalis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 99, pl. 50, fig. 3.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♂, 3. x. 1959, 3♀♀, 9. x. 1959, C. E. Lee & T. S. Choi; Kosankol, Taegu, 1♀, 18. vii. 1960, C. E. Lee, 1♂, 30. viii. 1961, C. E. Lee & M. Y. Lee; Mt. Phalgong, 1♂, 12. ix. 1959, 3♂♂, 16. ix. 1960, C. E. Lee, 3♂♂, 4♀♀, 10 & 12. viii. 1961, C. E. Lee & M. Y. Lee; Shincheondong, Taegu, 1♀, 30. viii. 1961, C. E. Lee & H. U. Lee; Eonhae Temple, 2♀♀, 9. x. 1965, J. H. Park & K. M. Choi; Dongmyeong, Chilkock, 1♂, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 1♀, 9. x. 1958, 1♂, 1♀, 9. x. 1959, 1♂, 3. x. 1959, 1♂, 10. viii. 1960, 2♂♂, 3♀♀, 3. ix. 1960, 1♀, 10. ix. 1960, 1♂, 9. x. 1960, C. E. Lee, 2♀♀, 10. ix. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Chejudo—Kwaneom Temple, 8♂♂, 5♀♀, 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, J. K. Lee, D. E. Lee & K. P. Chang, 4♂♂, 9♀♀, 9-12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Taejeong-Eop, 3♂♂, 2♀♀, 1. viii. 1962, C. E. Lee & Y. C. Lee.

Localities: North Korea—Pyungyang (Doi, 1932), Gaema Plateau (Tanaka, 1938, 1942); Central Korea—Suweon (Maruta, 1929), Seoul area (Doi, 1934), Sariweon (Eguchi, 1934), Mt. Seolack (Tanaka, 1939), Kanghwa Is. (Masaki, 1936); South Korea—Mockpho (Kamijo, 1936), Naejangsan, Jeonnam (Yamada, 1936), Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), China, Siberia.

Adelphocoris triannulatus (Stål, 1858)

Deraecoris triannulatus Stål, 1858, Ent. Ztg. Stettin **19**: 193.
Adelphocoris funebris Reuter, 1904, Rev. Russ. d'Ent.: 34. (**syn. nov.**)
Adelphocoris demissus Horváth, 1905, Ann. Mus. Nat. Hung. **3**: 418.
Adelphocoris funebris: Oshanin, 1909, Verz. Pal. Hem. **1**: 678.
Adelphocoris demissus: Oshanin, ibid.: 685.

Adelphocoris sp.: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 44.
Adelphocoris demissus: Doi, 1933, ibid. 15: 89.
Adelphodoris demissus: Yamada, 1936, ibid. 21: 21.
Adelphocoris demissus: Tanaka, 1938, Ent. World **6** (52): 522.
Adelphocoris demissus: Tanaka, 1939, ibid. **7** (69): 677.
Adelphocoris demissus: Tanaka, 1941, ibid. **9** (86): 212.
Adelphocoris demissus: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 50.
Adelphocoris triannulatus: Linnavuori, 1961, Ann. Ent. Soc. Fenn. **27** (4): 157.
Adelphocoris triannulatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**; 99, pl. 50, fig. 4.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♂, 1♀, 9. ix. 1959, 1♀, 9. x. 1959, C. E. Lee & T. S. Choi, 1♂, 17. ix. 1965, 7♂♂, 11♀♀, 27. ix. 1965, C. E. Lee, Y. C. Lee, J. H. Park, K. M. Choi, H. K. Shin, H. S. Park, Y. J. Jhi, K. H. Kim & J. S. Choo; Mt. Phalgong, 1♂, 2♀♀, 16. ix. 1960, 1♂, 1♀, 23. x. 1960, C. E. Lee, 3♀♀, 6. x. 1959, C. E. Lee, 5♂♂, 2♀♀, 12. viii. 1961, C. E. Lee & M. Y. Lee, 5♂♂, 6♀♀, 17. ix. 1965, 3♂♂, 3♀♀, 3. x. 1965, C. E. Lee, K. M. Choi & J. H. Park; Chikji Temple, Kimcheon, 1♂, 1♀, 9. vi. 1963, C. E. Lee & M. Y. Lee; Ulneong Is., 1♀, viii. 1960, C. E. Lee & I. C. Kim.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♂♂, 1♀, 9. x. 1958, C. E. Lee & T. S. Choi, 5♂♂, 5♀♀, 10. viii. 1960, C. E. Lee, 10♂♂, 19♀♀, 3. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 4♂♂, 2♀♀, 27 & 28. vii. 1962, Beopho, Seogwi-Eop, 1♀, 30. vii. 1962, Taejeong-Eop, 4♂♂, 1. viii. 1962, C. E. Lee & M. Y. Lee, 1♀, 10. viii. 1965, C. E. Lee.

Localities: North Korea—Seonpho, Hamnam (Tanaka, 1938); Central Korea—Seoul area (Tanaka, 1938), Mt. Seolack (Tanaka, 1939), Mt. Soyo (Doi, 1932).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu), China, E. Siberia.

Tinginotum distinctum Miyamoto et Lee, sp. nov.

(Textfigs. 18—26; Pl. 21)

Size: For male body length 4.5 mm., basal width of pronotum 1.37 mm. and greatest width across hemelytra 1.62 mm.; those for females 4.6—4.7 mm. long, 1.50—1.56 mm. wide and 1.77—1.80 mm. wide.

Coloration: Very pale yellowish brown, with white pruinosity on head and thorax. Head furnished with pale long hairs intermixed with black hairs, apex of head orangish yellow, eyes brown. 1st segment of antennae pale yellow with a brownish longitudinal stria on each of dorsal and ventral sides, ventral stria often widely interrupted in middle;

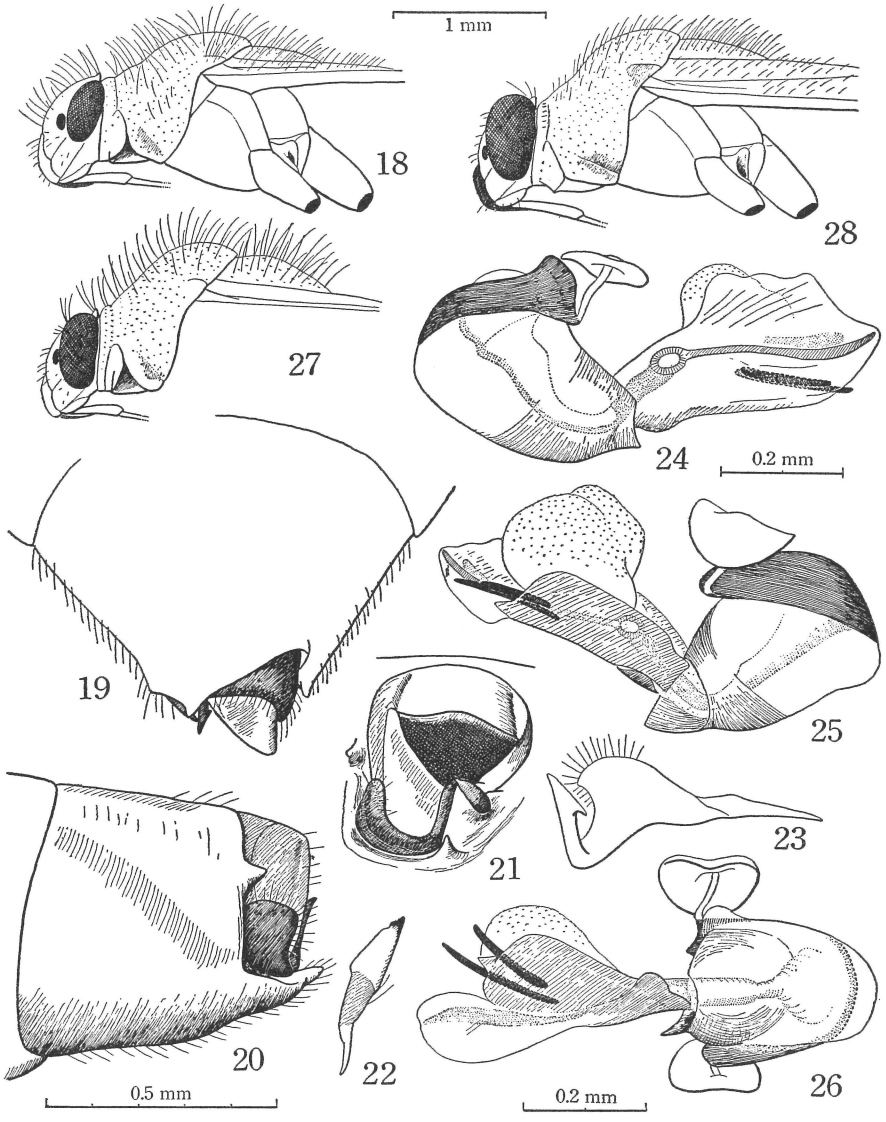
remaining segments blackish, with a pale narrow ring on both apices and in middle of 2nd segment and in middle and on extreme apex of 3rd segment; apical segment without pale rings. Rostrum yellowish orange, with apex broadly black. Pronotum with groups of blackish hairs among pale ones; scutellum only with pale hairs. Hemelytra pale yellowish brown with scattered grayish white dots which are somewhat aggregated in middle of corium and on apical half of clavus to form an obscure transverse band and with 6 to 7 dots arranged along costal margin of corium; cuneus basally grayish white and apically brawnish; membrane infuscate with 2 pale markings, one close to apex of cuneus, another between cuneus and apex of hemelytra; membrane veins more or less brownish, partly suffused with red and with apical angle whitish. Legs yellowish orange; femora with irregular red suffusions on median part and some irregular markings on apical part; tibiae brownish black, paler toward apex, with 4 pale rings, or basal, narrow subbasal, submedian and broad subapical rings; apical segment of tarsi blackish. Abdomen yellowish orange.

Structure: Head (Textfig. 18) vertical, furnished with very long hairs, in dorsal view shorter than 1/3 as much as width with eyes (.26: .92), with base of vertex distinctly carinate; interocular space nearly one and half times or just twice as wide as an eye (.38 : .27 in ♂, .48 : .24 in ♀); face with 2 rows of oblique fine striations; clypeus elevated, with apex toward ventro-caudally; eyes laterally produced. Antennae slender; 1st segment thicker than the followings, somewhat narrowed basally and subapically, longer than interocular space, with a few erect fine hairs; 3 apical segments with pubescence; 2nd segment not less than 3 times as long as the 1st; proportions of antennal segments I to IV: .54 : 1.78 : .89 : ca. .95 in ♂, .55 : 1.68 : .96 : 1.04 in ♀. Rostrum reaching apex of intermediate coxae; relative lengths of the segments in ♀, I : II : III : IV=.50 : .54 : .29 : .44.

Pronotum (Textfig. 18) about 2/3 times as long as wide (.90 : 1.37 in ♂, .96 : 1.50 in ♀), apical width less than half as wide as base (.60 : 1.37 in ♂, .62 : 1.50 in ♀), the disc moderately anteriorly declivous, finely punctured, furnished with very long hairs which are longer than eye wide: collar broad, about 1/7 the length of pronotum, hind margin broadly rounded. Scutellum as long as wide (.73 : .75), finely punctate and furnished with very long hairs. Hemelytra impunctate, covered with usual long hairs and wooly hairs, the former shortened toward apex of corium, hairs on clavus erect and very long; cuneus slightly longer than wide; membrane extending over tip of abdomen. Legs somewhat slender; posterior tibiae nearly as mush as costal length of corium; proportions of posterior leg segments: femur: tibia: tarsal segment I : II : III=1.48 : 1.95 : .15 : .21 : .25 in ♂, 1.59 : 2.13 : .18 : .21 : .26 in ♀.

Male genital segment (Textfigs. 19—21) shorter than long, strongly

narrowed behind, with a small posterior tubercle on left side and a median caudal tubercle on ventral side. Right-hand paramere (Textfig. 22)



Textfigs. 18—26. *Tinginotum distinctum.*

18 anterior half of the allotype, ♀, lateral view, 19—21 apical segments of ♂ abdomen, ventral, lateral and caudal views respectively, 22 & 23 right- and left-hand parameres, the latter viewed from inner side, keeping sensory lobe horizontally, 24—26 aedeagus, left-side, right-side and ventral views respectively. Textfig. 27. *T. formosanum*, ♂. Textfig. 28. *T. perlatum*, ♂.

small, with apical half very feebly sclerotized; left-hand one (Textfig. 23) strongly curved, with broad sensory lobe and narrow apophysis, the latter acute at apex and with a recurrent subapical hook. Aedeagus (Textfigs. 24—26) with 2 slightly curved, not long spicules and a sclerotized elongation from the mouth of 2ndary gonopore.

Holotype ♂, Samsan, Taegu, S. Korea, 6. x. 1959; allotype ♀, Haein Temple, S. Korea, 9. x. 1960 and paratypes: 1 ♀, the same locality with allotype, 24. 1959; 1 ♀, Sinlye, Cheju Is., 17. viii. 1965; all specimens collected by C. E. Lee.

The present species is closely related to *T. formosanum* Poppius, 1915 (Formosa) (Textfig. 27) but easily distinguished from it by much paler colour, absence of subbasal ring on 2nd antennal segment, presence of median ring on 3rd antennal segment, darker tibiae, smaller eyes, less declivous pronotal disc, 2 tubercles on male genital segment, sclerotized structures in aedeagus, etc. *Distinctum* is also separated fom *pini* Kulik, 1965 (Primorsky Kray) in pale median ring on 2nd antennal segment, totally dark apical antennal segment, presence of some blackish hairs on pronotum, 2 shorter spicules in aedeagus and others, and from *perlatum* Linnavuori, 1961 (Kyushu) (Textfig. 28) in smaller body, quite different colour, particularly on clypeus, antennae and legs, and many other points. Aedeagus in *formosanum* has no spicules nor a sclerotized elongation from border of 2ndary gonopore, while in *perlatum* it possesses 2 much long, apically curved spicules but no sclerotized elongation of 2ndary gonoporal border, and apophysis of left-hand paramere in the latter species devoid of subapical recurved hook.

Eolygus rubrolineatus (Matsumura, 1913)

Atractotomus rubrolineatus Matsumura, 1913, Thous. Ins. Jap. Add. **1**: 182, pl. 15, fig. 27.
Amphicapsus rubrolineatus: Esaki, 1932, Icon. Jap.; 1678, fig. 3316.
Amphicapsus rubrolineatus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 14, 21.
Amphicapsus rubrolineatus: Haku, 1937, ibid. 22: 72.
Amphicapsus rubrolineatus: Tanaka, 1938, Ent. World **6** (52): 521.
Amphicapsus rubrolineatus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 260, fig. 682.
Eolygus rubrolineatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 99, pl. 50, fig. 10.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1 ♀, 23. viii. 1962, C. E. Lee & M. Y. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1 ♀, 10. viii. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1 ♀, 11. viii. 1965, C. E. Lee.

Localities: Central Korea—Kwangneong, near Seoul (Tanaka, 1938); South Korea—Naejangsan, Jeonnam (Yamada, 1936), Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu).

Lygus adustus hilaris (Horváth, 1905)

Cyphodema hilare Horváth, 1905, Ann. Mus. Nat. Hung. **3**: 419.
Lygus adustus hilaris: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 100, pl. 50, fig. 22.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♂, 1♀, 3. x. 1960, C. E. Lee, 1♂, 12. viii. 1961, C. E. Lee & M. Y. Lee, 1♂, 5♀♀, 17. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park, 2♀♀, 27. ix. 1965, J. H. Park & K. M. Choi; Donghwa Temple, 1♂, 27. ix. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 24. x. 1959, 1♀, 3. ix. 1960, 1♂, 9. x. 1960, C. E. Lee.

Chejudo—Sinlye, Namweon, 1♀, 17. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Saghaline.

Lygus nigritulus (Linnavuori, 1961)

Cyphodema hilare f. *nigritula* Linnavuori, 1961, Ann. Ent. Fenn. **27**: 162.
Lygus nigritulus Linnavuori, 1963, Ann. Ent. Fenn. **29** (2): 81, fig. 2 a-d, 3 h.
Lygus nigritulus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 100, pl. 50, fig. 17.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 12. ix. 1959, C. E. Lee, 1♀, 10. viii. 1961, C. E. Lee & M. Y. Lee, 1♀, 27. ix. 1965, C. E. Lee; Phagae Temple, 2♀♀, 21. ix. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 9. ix. 1959, C. E. Lee.

Chejudo—Cheju City area, 1♀, viii. 1956, C. E. Lee; Kwaneom Temple, 5♂♂, 6♀♀, 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee; Hanlim-Eop, 1♂, 14. viii. 1965, C. E. Lee.

Distribution. Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Lygus (Apolygus) nigronasutus (Stål, 1858)

Deraeocoris nigro-nasutus Stål, 1858, Ent. Ztg. Stettin **19**: 184.
Lygus (Apolygus) nigronasutus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 99, pl. 50, fig. 13.
Lygus (Apolygus) nigronasutus: Miyamoto, 1966, Rostria 13: 56.

Specimens examined: Kyungsanpookdo—Banyaweol, Kyungsan, 1♂, 20. vii. 1960, C. E. Lee; Mt. Phalgong, 1♀, 6. vi. 1961, 3♀♀, 12. viii. 1961, C. E. Lee & M. Y. Lee, 1♂ 1♀, 17. ix. 1965, C. E. Lee; Shincheondong, Taegu, 2♂♂, 2♀♀, 30. viii. 1961, C. E. Lee; Kosan, Kyungsan, 1♂, 1♀, 3. x. 1964, C. E. Lee, S. K. Kim & Y. C. Lee; Donghwa Temple, 3♀♀, 27. ix. 1965, C. E. Lee, K. M. Choi & J. H. Park; Dongmyeong, Chilkock, 6♂♂, 15♀♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♀♀, 24. x. 1959, 1♂, 10. ix. 1960, C. E. Lee.

Chejudo—Taejeon-Eop, 1♀, 31. vii. 1962, 1♀, 1. viii. 1962, C. E. Lee & M. Y. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Saghaline, China (Sze-Tshwan).

Lygus (Taylorilygus) pallidulus (Blanchard, 1852)

Phytocoris pallidulus Blanchard, 1852, in Gay, Hist. Fis. Pol. Chile **7**: 183.
Lygus apicalis Fieber, 1861, Eur. Hem.: 275.
Lygus apicalis: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 259, fig. 680.
Lygus (Taylorilygus) pallidulus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 100, pl. 50, fig. 21.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♀, 9. x. 1959, C. E. Lee, 2♀♀, 30. ix. 1962, C. E. Lee & M. Y. Lee, 1♂, 1♀, 17. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi; Phagae Temple, 1♂, 1♀, 14. x. 1960, C. E. Lee; Shincheondong, Taegu, 1♂, 30. viii. 1961, C. E. Lee; Mt. Phalgong, 1♂, 17. ix. 1965, 2♀♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 9. x. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 1♂, 1♀, 10. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Pyoseon, 2♀♀, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Ogasawara, Kyushu, Tsushima, Goto Isls.), Ryukyus, Formosa, China, Oriental Trop., Asia Minor, Europe, N. Africa, N. & S. America, & Micronesia.

Polymerus (Poeciloscytus) cognatus (Fieber, 1858)

Poeciloscytus cognatus Fieber, 1858, Wien Ent. Mon. **2**: 331.
Polymerus (Poeciloscytus) cognatus: Wagner et Weber, 1964, Miridae, Faun. France **67**: 230.

Specimens examined: Kyungsangpookdo—Kosankol, Taegu, 1♀, 18. vii. 1960, C. E. Lee, 1♀, 2. x. 1961, C. E. Lee & M. Y. Lee; Mt. Unmun,

Cheongdo, 2♀♀, 18. vi. 1961, C. E. Lee & M. Y. Lee; Taegu area, 2♀♀, 22. vii. 1961, C. E. Lee; Mt. Phalgong, 2♂♂, 10. ix. 1960, C. E. Lee, 1♂, 1♀, 12. viii. 1961, C. E. Lee & M. Y. Lee; Shincheondong, Taegu, 15♂♂, 8♀♀, 30. viii. 1961, C. E. Lee, H. U. Lee & H. S. Lee; Eonhae Temple, 4♂♂, 1♀, 9. x. 1965, J. H. Park & K. M. Choi; Songrim Temple, Dongmyeong, 1♂, 9♀♀, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♀, 10. viii. 1960, 1♂, 9. x. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Chejudo—Kwaneom Temple, 1♀, 10. viii. 1965, C. E. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Siberia, China, Europe.

Polymerus pekinensis Horváth, 1900

Polymerus pekinensis Horváth, 1900, Zool. Erg. dritt. asiat. Forsch. Graf. Zichy **2**: 267.

Polymerus pekinensis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 100, pl. 50, fig. 23.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 30. viii. 1959, C. E. Lee, 2♀♀, 16 & 17. ix. 1960, C. E. Lee, 1♂, 12. viii. 1961, C. E. Lee & M. Y. Lee, 1♀, 17. ix. 1965, C. E. Lee; Mt. Unmun, Cheongdo, 1♂, 17. vi. 1961, C. E. Lee & M. Y. Lee; Chikji Temple, Kimcheon, 1♀, 9. vi. 1964, C. E. Lee; Donghwa Temple, 1♀, 17, ix. 1965, 1♀, 27. ix. 1965, C. E. Lee, J. H. Park & K. M. Choi.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 1♂, 1♀, 9. x. 1958, 1♂, 9. ix. 1959, 1♂, 10. viii. 1960, 1♀, 3. ix. 1960, 2♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♀♀, 27 & 28. vii. 1962, C. E. Lee & M. Y. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Hokkaido, Honshu, Kyushu, Goto Isls.), China.

Proboscidocoris malayus Reuter, 1907

Proboscidocoris malayus Reuter, 1907, Ann. Hofmus. Wien **22** (1): 188.

Proboscidocoris malayus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. 3: 100, pl. 50, fig. 26.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 1♀, 3. x. 1958, 2♀♀, 12. ix. 1959, C. E. Lee & T. S. Choi, 1♀, 7. v. 1961, 2♂♂, 23. viii. 1962, C. E. Lee & M. Y. Lee; Donghwa Temple, 5♀♀, 9. v. 1959, C. E. Lee & T. S. Choi, 1♀, 16. ix. 1960, C. E. Lee; Phagae Temple, 1♂, 3. x. 1960, C. E. Lee; Kosankol, Taegu, 2♂♂, 25. ix. 1960, C. E. Lee, 10♂♂, 2. x. 1961, C. E. Lee & M. Y. Lee; Shincheondong, Taegu, 2♂♂, 15. viii. 1961, C. E. Lee; Ulneong Is., 1♀, viii. 1960, C. E. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 4♂♂, 15♀♀, 9. ix. 1958, 1♂, 9. ix. 1959, C. E. Lee & T. S. Choi, 1♂, 4♀♀, 3. ix. 1960, 1♀, 10. ix. 1960, 8♀♀, 9. x. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♂♂, 28. vii. 1962, C. E. Lee & M. Y. Lee.

Distribution: Korea (new record), Quelpart Is. (new record), Japan (Honshu, Kyushu) Formosa, Philippines, Oriental Trop.

Charagochilus angusticollis Linnavuori, 1961

Charagochilus angusticollis Linnavuori, 1961, Ann. Ent. Fenn. **27** (4): 162, fig. 3 d-g.

Charagochilus angusticollis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 100, pl. 50, fig. 27.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♂♂, 30. viii. 1959, C. E. Lee & T. S. Choi, 2♀♀, 3. x. 1960, 1♀, 23. x. 1960, C. E. Lee, 1♂, 2♀♀, 23. viii. 1962, C. E. Lee & M. Y. Lee, 1♀, 27. ix. 1965, C. E. Lee; Kosankol, Taegu, 4♂♂, 25. ix. 1960, C. E. Lee, 2♀♀, 2. x. 1961, C. E. Lee & M. Y. Lee; Phagae Temple, 3♀♀, 26. ix. 1960, 8♀♀, 24. x. 1960, 1♂, 3. x. 1965, C. E. Lee; Donghwa Temple, 1♂, 2♀♀, 17. ix. 1961, C. E. Lee & M. Y. Lee, 2♂♂, 27. ix. 1965, C. E. Lee; Shincheondong, Taegu, 4♀♀, 30. viii. 1961, C. E. Lee, H. U. Lee, & H. S. Lee.

Kyungsangnamdo—Haein Temple, Mt. Kaya, 2♀♀, 3. ix. 1960, 3♀♀, 10. ix. 1960, C. E. Lee.

Chejudo—Kwaneom Temple, 2♂♂, 7♀♀, 28. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee; Gaemideong, Mt. Hanna (Halla), 1♀, 28. vii. 1962, Taejeong-Eop, 1♀, 1. viii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 3♂♂, 4♀♀, 10–12. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park; Tohpyeong, Seogwi-Eop, 2♀♀, 16. viii. 1965, Pyoseon, 1♀, 18. viii. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Locality: Korea (Miyamoto, 1965).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Kyushu, Goto Isls. Amami-Oshima).

Family **Mesoveliidae**

Mesovelia orientalis Kirkaldy, 1900

Mesovelia orientalis Kirkaldy, 1900, Ann. Mus. Civ. Genova **2**: 808.
Mesovelia orientalis: Tanaka, 1939, Ent. World **7** (61): 135.
Mesovelia orientalis: Yamada, 1939, Mushi **12** (1): 63.
Mesovelia orientalis: Miyamoto et Lee, 1963, Kontyû **31** (1): 34.
Mesovelia orientalis: Miyamoto, 1964, Sieboldia **3** (2): 199.
Mesovelia orientalis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 102, pl. 51, fig. 12.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♀♀, apterous, 6. vi. 1961, Unmun Temple, 1♂, 1♀, apterous, 18. vi. 1961, Ockpho, Dalseong, 2♀♀, macropterous, 7♀♀, apterous, 8. ix. 1961, C. E. Lee; Dongmyeong, Chilkock, 5♀♀, apterous, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Kupho, Pusan, 1♂, 3♀♀, apterous, 25. vii. 1962, C. E. Lee & M. Y. Lee; Samlangjin, 2♀♀, apterous, 24. v. 1964, C. E. Lee, S. K. Kim & Y. C. Lee; Tohngdo Temple, Yangsang, 3♂♂, 2♀♀, apterous, 2♂♂, macropterous, 12. vi. 1965, C. E. Lee, Y. C. Lee, S. K. Kim, J. H. Park & K. M. Choi.

Chejudo—Taejeong-Eop, 2♀♀, apterous, 1. viii. 1962, C. E. Lee & M. Y. Lee, 2♂♂, 1♀, apterous, 2. viii. 1962, C. E. Lee & M. Y. Lee.

Localities: Central Korea—Mt. Seolack (Tanaka, 1937), South Korea—Kyungpook & Kyungnam (Miyamoto & Lee, 1963).

Distribution: Korea, Quelpart Is. (new record), Japan (Shikoku, Kyushu), Ryukyus, Formosa, Oriental R., Micronesia (Guam).

Family **Veliidae**

Microvelia reticulata (Burmeister, 1835)

Hydroessa reticulata Burmeister, 1835, Handb. Ent. **2** (1): 213.
Microvelia reticulata: Esaki et Miyamoto, 1955, Sieboldia **1** (3): 179, fig. 1 c, pl. 27, figs. A–D.
Microvelia reticulata: Miyamoto et Lee, 1963, Kontyû **31** (1): 34.
Microvelia reticulata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. 3: 102, pl. 51, fig. 17.

Specimens examined: Additional material to the previous record (1963): Chejudo—Kwaneom Temple, 2♂♂, apterous, 28. vii. 1962, Chungmun, 1♂, 1♀, apterous, 1. viii. 1962, Seongsanpho, 6♂♂, apterous, 2. viii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 5♂♂, apterous, 9. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localties: South Korea—Kyungpook & Kyungnam (Lee, 1961, Miyamoto & Lee, 1963).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Manchuria, Europe, N. Africa.

Microvelia douglasi Scott, 1874

Microvelia douglasi: Oshanin, 1908, Verz. Pal. Hem. **1**: 488.
Microvelia douglasi: Sakai, 1932, Kontyû **6** (4): 186.
Microvelia douglasi: Tanaka, 1939, Ent. World **7** (61): 135. (pagination corrected)
Microvelia douglasi: Yamada, 1939, Mushi **12** (1): 63.
Microvelia douglasi: Lee, 1961, Theses Coll. Kyungpook U. **5**: 68.

Microvelia douglasi: Miyamoto et Lee, 1963, Kontyû **31** (1): 35.
Microvelia douglasi: Miyamoto, 1964, Sieboldia **3** (2): 203.
Microvelia douglasi: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 102, pl. 51, fig. 18.

Specimens examined: Additional material to the previous record (1963): Chejudo—Beopho, Seogwi-Eop, 16♂♂, 16♀♀, apterous, 1♂, 1♀, macropterous, 30. vii. 1962, C. E. Lee, M. Y. Lee, D. E. Lee, K. P. Chang & J. K. Lee; Chungmun, 2♂♂, 8♀♀, apterous, 1♂, macropterous, 31. vii. 1962, Seogwi-Eop, 1♂, 2♀♀, apterous, 31. vii. 1962, Taejeong-Eop, 1♂, 3♀♀, apterous, 1♂, 1♀, macropterous, 1. viii. 1962, C. E. Lee & M. Y. Lee; Seongsanpho, 2♂♂, 7♀♀, apterous, 1♂, 4♀♀, macropterous, 2. viii. 1962, C. E. Lee & M. Y. Lee; Keomack, Hanlim, 1♂, 4♀♀, apterous, 2♀♀, macropterous, 15. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: Central Korea—Seoul area (Tanaka, 1937); South Korea—Kyungju, Phohang (Yamada, 1939), Kyungpookdo (Miyamoto & Lee, 1963).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Formosa, India, Ceylon, Sumatra, Samoa, Guam.

Microvelia horvathi Lundbald, 1933

Microvelia horvathi Lundbald, 1933, Arch. Hydrob. Suppl. **12**: 358, figs. 115 M, 116.
Microvelia horvathi: Miyamoto et Lee, 1963, Kontyû **31** (1): 36.
Microvelia horvathi: Miyamoto, 1964, Sieboldia **3** (2): 204.
Microvelia horvathi: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 102, pl. 51, fig. 20.

Specimens examined: Additional material to the previous record (1963): Kyungsangpookdo—Banyaweol, Kyungsan, 1♀, apterous, 20. vii. 1960, C. E. Lee; Unmun Temple, Cheongdo, 1♂, 3♀♀, apterous, 18. vi. 1961, C. E. Lee, M. Y. Lee, Y. C. Shim & B. S. Han; Songrim Temple, Dongmyeong, 1♀, apterous, 10. x. 1965, C. E. Lee.

Kyungsangnamdo—Samlangjin, 1♂, apterous, 24. v. 1964, C. E. Lee.

Jeonlanamdo—Yeongsanpho, 1♀, apterous, 5. viii. 1962, C. E. Lee & M. Y. Lee.

Chejudo—Beopho, Seogwi, 1♂, 1♀, apterous, 30. vii. 1962, Chungmun, 4♂♂, 1♀, apterous, 1. viii. 1962, Taejeong-Eop, 1♂, 1♀, apterous, 1. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, 1♂, 1♂, apterous, 13. viii. 1965, C. E. Lee; Sanghyodong, Seogwi-Eop, 1♂, apterous, C. E. Lee.

Localities: South Korea—Kyungpook & Kyungnam (Miyamoto & Lee, 1963).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Formosa, E. China, Tailand.

Family **Gerridae**

Gerris (Aquarius) elongatus (Uhler, 1896)

Limnotrechus elongatus Uhler, 1896, Proc. U. S. Nat. Mus. **19**: 273.
Gerris elongatus: Oshanin, 1908, Verz. Pal. Hem. **1**: 498.
Gerris elongatus: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 93.
Gerris elongatus: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 20.
Gerris elongatus: Tanaka, 1942, ibid. **9** (37): 164.
Gerris (*Aquarius*) *elongatus*: Miyamoto et Lee, 1963, Kontyû **31** (1): 40.

Specimens examined: Chejudo—About 150 ♂♂, ♀♀, most of them captured on a fairly long pool in the Tahmla Valley, additional specimens on the garden ponds of Kwaneom Temple and Beopho Valley, the latter lying south of the Beopho Village, 27 & 28. vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, J. K. Lee & D. E. Lee; Kwaneom Temple, Sanghyo Pool, Seogwi-Eop, 7 ♂♂, 5 ♀♀, 16 & 17. 1965, C. E. Lee, Y. C. Lee & J. H. Park.

Localities: H. Okamoto (1924) reported this water strider from Quelpart Is. and its occurrence throughout Corea and Japan Proper (excepting Hokkaido), and Yamada (1936) listed the strider as distribution over China, Corea, Quelpart Is., Honshu, Shikoku, Kyushu and Formosa. Tanaka (1942) noted that he found only a single specimen of the species with no locality and date in the South Korea insect collection of Natural History Laboratory of Keijo Normal College and he doubted its occurrence in the peninsula. Since one of the authors, C. E. Lee, could not find this insect in Korean Proper for recent 15 years, it seems to be very rare even if it inhabits Peninsular Korea. The present authors prefer to omit the peninsular Korea as distribution of this species till discovering it.

Distribution: Quelpart Is., Japan (Honshu, Shikoku, Kyushu), Formosa, China.

Gerris (Aquarius) paludum insularis (Motschulsky, 1866)

Gerris remigator: Ichikawa, 1906, Hakubutsu no Tomo **6** (33): 184.
Gerris paludum: Oshanin, 1908, Verz. Pal. Hem. **1**: 492.
Gerris remigator: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 64.
Hygrotrechus sp.: Doi, 1930, J. Chosen Nat. Hist. Soc. 13: 44.
Gerris remigator: Yamada, 1936, ibid. 21: 20.
Aquarius palludum: Ishihara, 1937, Ent. World **5** (41): 490.
Aquarius palludum: Tanaka, 1942, J. Chosen Nat. Hist. Soc. **9** (37): 164.
Aquarius paludum var. *remigator*: Tanaka, 1942, ibid.: 164.

Gerris (*Gerris*) *paludum insularis*: Miyamoto et Lee, 1963, Kontyû **31** (1): 40.
Gerris (*Aquarius*) *paludum insularis*: Miyamoto, 1964, Sieboldia **3** (2): 206.
Gerris (*Aquarius*) *paludum insularis*: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 105, pl. 53, fig. 6.

Specimens examined: Additional material to the previous record (1963): Chejudo—Kwaneom Temple, 1♂. 28. vii. 1962, Seogwi-Eop, 2♂♂, 1♀, 31. vii. 1962, C. E. Lee & M. Y. Lee.

Localities: North Korea—Pyeongpook; Central Korea—Seoul area; South Korea—Jeonnam, Kyungpook; Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu), Yakushima, Tokara Isls., Formosa, China, E. Siberia, Saghaline.

Gerris (**Gerris**) **gracilicornis gracilicornis** (Horváth, 1879)

Gerris gracilicornis: Oshannin, 1908, Verz. Pal. Hem. **1**: 498.
Hygrotrechus paludum: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 44.
Gerris gracilicornis: Doi, 1934, ibid. 17: 65.
Gerris gracilicornis: Masaki, 1936, Kontyû **10** (5): 270.
Gerris gracilicornis: Ishihara, 1937, Ent. World **5** (41): 490.
Gerris gracilicornis: Doi, 1938, Mushi **11** (1): 90.
Gerris gracilicornis: Tanaka, 1942, Ent. World **10** (104): 662, **10** (105): 708.
Gerris gracilicornis: Tanaka, 1942, J. Chosen Nat. Hist. Soc. **9** (37): 163.
Gerris (s. str.) *gracilicornis gracilicornis*: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 55.
Gerris (*Gerris*) *gracilicornis gracilicornis*: Miyamoto et Lee, 1963, Kontyû **31** (1): 41.
Gerris (*Gerris*) *gracilicornis gracilicornis*: Miyamoto, 1964, Sieboldia **3** (2): 207.
Gerris gracilicornis gracilicornis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 104, pl. 5e, fig. 12.

Specimens examined: Additional material to the previous record (1963): Kyungsangpookdo—Ockpho, Dalseong, 1♂, 1♀, 22. iv. 1962, C. E. Lee & M. Y. Lee.

Chejudo—Kwaneom Temple, 1♂, 28. vii. 1962, Tahmla Valley, 1♂, 28. vii. 1962, Kaemimock (ant neck), 10♂♂, 7♀♀, 28. vii. 1962, Peckrokdam (Peckrok cratical pool), 1950 m. above sea level, 2♂♂, 30. vii. 1962, Yongjinkul (Yongjin Canyon), 4♂♂, 29. vii. 1962, Seogwipho, 1♀, 30. vii. 1962, C. E. Lee, M. Y. Lee, K. P. Chang, J. K. Lee & D. E. Lee.

Localities: North Korea—Pyeongnam; Central Korea—Kyungki, Kangweon, Hwanghae; South Korea—Kyungpook, Kyungnam.

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), China, Formosa, Assam, Sikkim.

Gerris (Gerris) amembo Esaki et Miyamoto, 1958

Gerris (s. str.) *amembo*: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 55.
Gerris (*Gerris*) *amembo*: Miyamoto et Lee, 1963, Kontyû **31** (1): 42.
Gerris amembo: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 104, pl. 52, fig. 17.

Specimens examined: Additional material to the previous record (1963); Kyungpookdo—Mt. Phalgong, 2♂♂, 1♀, 25. iv. 1964. C. E. Lee, S. K. Kim & Y. C. Lee.

Chejudo—Seongsanpho, 2♂♂, 2. viii. 1962, C. E. Lee & M. Y. Lee.
Localities: South Korea—Kyungpook & Kyungnam (Miyamoto & Lee, 1963).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Kyushu), Formosa, Manchuria.

Family **Hydrometridae**

Hydrometra albolineata (Scott, 1874)

Hydrometra vittata: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 325.
Hydrometra albolineata: Ishihara, 1937, Ent. World **5** (41): 491.
Hydrometra albolineata: Tanaka, 1937, ibid. **5** (43): 609.
Hydrometra albolineata: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 72.
Hydrometra albolineata: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 55.
Hydrometra albolineata: Miyamoto et Lee, 1963, Kontyû **31** (1): 46.
Hydrometra albolineata: Miyamoto, 1964, Sieboldia **3** (2): 212.
Hydrometra albolineata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 102, pl. 51, fig. 14.

Specimens examined: Additional material to the previous record (1963): Kyungsangpookdo—Sangkyeokdong, Taegu, 1♂, 29. vii. 1961, C. E. Lee.

Chejudo—Beopho, Seogwi-Eop, 1♂, 30. vii. 1962, Chunfmun, 1♂, 1♀, 1. viii. 1962, Seongsanpho, 3♂♂, 2♀♀, 2. viii. 1962, C. E. Lee & M. Y. Lee; Keomack, Hanlim, 3♂♂, 10♀♀, 14. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Localities: South Korea—Jeonpook, Jeonnam, Kyungpook (Miyamoto & Lee, 1963).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Formosa, China, Tokara Isls.

Hydrometra yasumatsui Miyamoto, 1964

Hydrometra yasumatsui Miyamoto, 1964, Sieboldia **3** (2): 214, figs. 13–20.

Specimens examined: Chejudo—Beopho, Seogwi-Eop, 2♂♂, 6♀♀, 30. vii. 1962, C. E. Lee & M. Y. Lee; Kwaneom Temple, 3♂♂, 2♀♀, 9. viii. 1965, C. E. Lee, Y. C. Lee, J. H. Park & S. G. Park.

Distribution: Cheju Is. (new to Korean fauna), Japan (Shikoku, Kyushu), Ryukyus, Formosa.

Family **Ochteridae**

Ochterus marginatus flavomarginatus (Scott, 1874)

Pelogonus flavomarginatus Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 446.
Pelogonus flavomarginatus: Oshanin, 1909, Verz. Pal. Hem. **1**: 956.
Ochterus flavomarginatus: Kiritschenko, 1930, Ann. Mus. Zool. Acad. Sci. URSS: 435.
Ochterus flavomarginatus: Esaki, 1932, Icon. Ins. Jap.: 1684, fig. 3328.
Ochterus flavomarginatus: Doi, 1936, J. Chosen Nat. Hist. Soc. 21: 103.
Ochterus marginatus: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 264, fig. 695.
Ochterus marginatus flavomarginatus: Miyamoto, 1959, Sieboldia **2** (2): 123.
Ochterus marginatus flavomarginatus: Miyamoto, 1960, Mushi **33** (10): 78.
Ochterus marginatus flavomarginatus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 106, pl. 53, fig. 9.

Specimens examined: Kyungsangpookdo—Mt. Phalgong, 2♀♀, 12. ix. 1959, C. E. Lee, 1♂, 7. v. 1961, 2♀♀, 12. viii. 1961, C. E. Lee & M. Y. Lee; Donghwa Temple, 2♂♂, 3♀♀, 31. vii. 1960, C. E. Lee, 1♀, 17. ix. 1961, C. E. Lee & M. Y. Lee; Chikji Temple, Kimcheon, 3♂♂, 1♀, 9. vi. 1964, C. E. Lee, S. K. Kim & Y. C. Lee.

Chejudo—Seongsanpho, 1♂, 2. viii. 1962, C. E. Lee & M. Y. Lee.

Locality: Central Korea—Seoul area (Doi, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), N. China.

Family **Pleidae**

Paraplea indistinguenda (Matsumura, 1905)

Plea indistinguenda Matsumura, 1905, Sapporo Agr. Coll. **2**: 59, pl. 1, fig. 7.
Plea indistinguenda: Oshanin, 1909, Verz. Pal. Hem. **1**: 972.
Paraplea indistinguenda: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 13, 20.
Paraplea indistinguenda: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 107, pl. 54, fig. 12.

Specimens examined: Kyungsangpookdo—Dongchon, Taegu, 3♀♀, 31. vii. 1960, C. E. Lee.

Chejudo—Seongsanpho, 2♂♂, 1♀, 2. viii. 1962, C. E. Lee & M. Y. Lee.

Locality: South Korea—Jeongeop, Jeonpookdo (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Kyushu), Formosa, India.

Family **Notonectidae**

Notonecta triguttata Motschulsky, 1861

Notonecta triguttata Motschulsky, 1861, Et. Ent. **10**: 24.
Notonecta triguttata: Kirkaldy, 1897, Trans. Ent. Soc. Lond.: 400, 417.
Notonecta triguttata: Oshanin, 1909, Verz. Pal. Hem. **1**: 977.
Notonecta triguttata: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 1961.
Notonecta triguttata: Esaki, 1932, Icon. Ins. Jap.: 1691, fig. 3341.
Notonecta triguttata: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 43.
Notonecta triguttata: Yamada, 1936, ibid. 21: 23.
Notonecta triguttata: Esaki, 1936, Kontyû **10** (1): 43.
Notonecta triguttata: Masaki, 1936, ibid. **10** (5): 270.
Notonecta triguttata: Haku, 1937, J. Chosen Nat. Hist. Soc. 22: 72.
Notonecta triguttata: Tanaka, 1942, Ent. World **10** (104): 663.
Notonecta triguttata: Cho, P. S., 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Notonecta triguttata: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 268, fig. 705.
Notonecta triguttata: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 56.
Notonecta triguttata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 107, pl. 54, fig. 5.

Specimens examined: Kyungsangpookdo—Mt Phalgong, 1♂, 1♀, 12. ix. 1959, C. E. Lee, 1♀, 6. vi. 1961, C. E. Lee & M. Y. Lee; Kapjae, Kyungsan, 1♂ 1♀, 4. ix. 1960, C. E. Lee; Donghwa Temple, 1♀, 6. vi. 1961, C. E. Lee.

Chejudo—Kwaneom Temple, 1♀, 28. vii. 1962, Beopho, Seogwi-Eop, 1♀, 30. vii. 1962, Seongsanpho, 3♂♂, 2♀♀, 1 nym., 2. viii. 1962, C. E. Lee & M. Y. Lee; Ponggae, 1♀, 13. viii. 1965, C. E. Lee.

Localities: North Korea—Pyungyang (Doi, 1932); Central Korea—Seoul area (Doi, 1932), Mt. Keomkang (Cho, 1947); South Korea—Taegu (Haku, 1937), Jaeon Is. (Masaki, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), China.

Family **Nepidae**

Subfamily **Nepinae**

Laccotrephes japonensis Scott, 1874

Laccotrephes japonensis Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 450.
Laccotrephes flavovenosus Distant, 1904, Ann. Mag. Nat. Hist. (7) **14**: 63.
Laccotrephes flavovenosus: Oshanin, 1909, Verz. Pal. Hem. **1**: 967.
Laccotrephes flavovenosus: Okamoto et Matsumura, 1922, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **7**: 21.
Laccotrephes japonensis: Sonan, 1926, Trans. Nat. Hist. Soc. Formosa **16** (84): 92.
Laccotrephes japonensis: Kamijo, 1932, J. Chosen Nat. Hist. Soc. 13: 22.
Laccotrephes ruber: Doi, 1932, ibid. 13: 43.
Laccotrephes japonensis: Doi, 1932, ibid. 14.
Laccotrephes japonensis: Yamada, 1936, ibid. 21: 20.
Laccotrephes japonensis: Masaki, 1936, Kontyû **10** (5): 270.
Laccotrephes japonensis: Cho, 1947, Bull. Zool. Sect. Nat. Sci. Mus. **2** (3): 77.
Laccotrephes japonensis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 57.
Laccotrephes japonensis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 107. pl. 54, fig.

Specimens examined: Kyungsangpookdo—Kapjae, Kyungsan, 1 ♂, 4. ix. 1960, C. E. Lee.

Chejudo—Seongsanpho, 1 nym., 2. viii. 1962, C. E. Lee & M. Y. Lee. This species is commonly found in irrigation reservoir and river side of the country.

Localities: North Korea—Pyungyang (Doi, 1932); Central Korea—Seonghwan, Kyungkido (Sonan, 1921), Seoul area (Doi, 1932), Mt. Keomkang (Cho, 1947); South Korea—Taegu (Kamijo, 1932), Jeonnam (Okamoto & Matsumura, 1922), Jaeon Is. (Masaki, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Shikoku, Kyushu), Ryukyus, N. Formosa, China, Manchuria, India.

Subfamily **Ranatrinae**

Ranatra chinensis Mayr, 1895

Ranatra chinensis Mayr, 1865, Verh. z.-b. Ges. Wien **15**: 446.
Ranatra chinensis: Kirkaldy, 1901, Entomologist: 51.
Ranatra chinensis: Oshanin, 1909, Verz. Pal. Hem. **1**: 969.
Ranatra chinensis: Sonan, 1926, Trans. Nat. Hist. Soc. Formosa **16** (84): 92.
Ranatra chinensis: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 324.

Ranatra chinensis: Kamijo, 1932, J. Chosen Nat. Hist. Soc. 13: 22.
Ranatra chinensis: Doi, 1932, ibid. 13: 43.
Ranatra chinensis: Wu, 1935, Cat. Ins. Sin. **2**: 568.
Ranatra chinensis: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 13, 20.
Ranatra chinensis: Tanaka, 1942, Ent. World **10** (104): 663.
Ranatra chinensis: Cho, 1947, Bull. Zool. Sect. Nat. Hist. Sci. Mus. Korea **2** (3): 77.
Ranatra chinensis: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 267, fig. 703.
Ranatra chinensis: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 57.
Ranatra chinensis: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 107, pl. 54, fig. 3.

Specimens examined: Kyungsangpookdo—Shincheondong, Taegu, 1♀, 13. viii. 1960, C. E. Lee; Kapjae, Kyungsan, 1♂, 4. ix. 1960, C. E. Lee.

Chejudo—Seongsanpho, 1♂, 1♀, 1 nym., 1962, C. E. Lee & M. Y. Lee.

Localities: North Korea—Pyungyang (Doi, 1932), Musan (Tanaka, 1942); Central Korea—Seoul area (Doi, 1932), Suweon (Maruta, 1929); South Korea—Taegu, Kyungsan (Doi, 1932), Jeongeop, Jeonpook (Yamada, 1936).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Manchuria, China, E. Siberia, Formosa, Burma.

Ranatra unicolor Scott, 1874

Ranatra unicolor Scott, 1874, Ann. Mag. Nat. Hist. (4) **14**: 451.
Ranatra sordidula: Oshanin, 1909, Verz. Pal. Hem. **1**: 969.
Ranatra unicolor: Sonan, 1926, Trans. Nat. Hist. Soc. Formosa **16** (84): 92.
Ranatra unicolor: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 324.
Ranatra sordidula: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 44.
Ranatra unicolor: Doi, 1932, ibid. 14.
Ranatra unicolor: Haku, 1935, Ent. World **3** (13): 58.
Ranatra sordidula: Wu, 1935, Cat. Ins. Sin. **2**: 570.
Ranatra unicolor: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 13, 20.
Ranatra unicolor: Haku, 1937, ibid. 22: 72.
Ranatra unicolor: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 267, fig. 704.
Ranatra unicolor: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 107, pl. 54, fig. 4.

Specimens examined: Kyungsangpookdo—Donghwa Temple, 1♂, 6. vi. 1961, C. E. Lee & M. Y. Lee.

Chejudo—Seongsanpho, 2♂♂, 1♀, 2. viii. 1962, C. E. Lee & M. Y. Lee.

Localities Central Korea—Seoul area (Doi, 1932), Seonghwa, Kyungki (Sonan, 1926), Suweon (Maruta, 1929); South Korea—Jeongeop, Jeonpookdo (Yamada, 1936), Taegu (Haku, 1935).

Distribution: Korea, Quelpart Is. (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), Ryukyus, China.

Family **Belostomatidae**

Diplonychus japonicus (Vuillefroy, 1864)

Appasus japonicus Vuillefroy, 1864, Ann. Soc. Ent. Fr.: 141, pl. 1, fig. 7.
Sphaerodema japonicum: Oshanin, 1909, Verz. Pal. Hem. **1**: 965.
Sphaerodema japonicum: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 62.
Sphaerodema japonicum: Kamijo, 1932, J. Chosen Nat. Hist. Soc. 13: 22.
Sphaerodema japonicum: Doi, 1932, ibid. 13: 44.
Sphaerodema japonicum: Doi, 1932, ibid. 14.
Sphaerodema japonicum: Wu, 1935, Cat. Ins. Sin. **2**: 572.
Sphaerodema japonicum: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 13.
Sphaerodema japonicum: Kamijo, 1936, ibid. 21: 88.
Diplonychus japonicus: Machida, 1937, Ent. World **5** (35): 75, **5** (36): 144.
Sphaerodema japonicum: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 58.
Diplonychus japonicus: Miyamoto, 1960, Mushi **33** (10): 81.
Diplonychus japonicus: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 106, pl. 53, fig. 15.

Localities: North Korea—Puyngyang (Doi, 1932), Kilchu, Hampook (Machida, 1937); Central Korea—Seoul area, Sariweon (Doi, 1932); South Korea—Taegu, Cheongdo, Kyungsan (Kamijo, 1932), Mockpho (Kamijo, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Honshu, Shikoku, Kyushu), Manchuria, China, E. Siberia.

Diplonychus esakii Miyamoto et Lee, sp. nov.

(Textfigs. 29—34; Pl. 22)

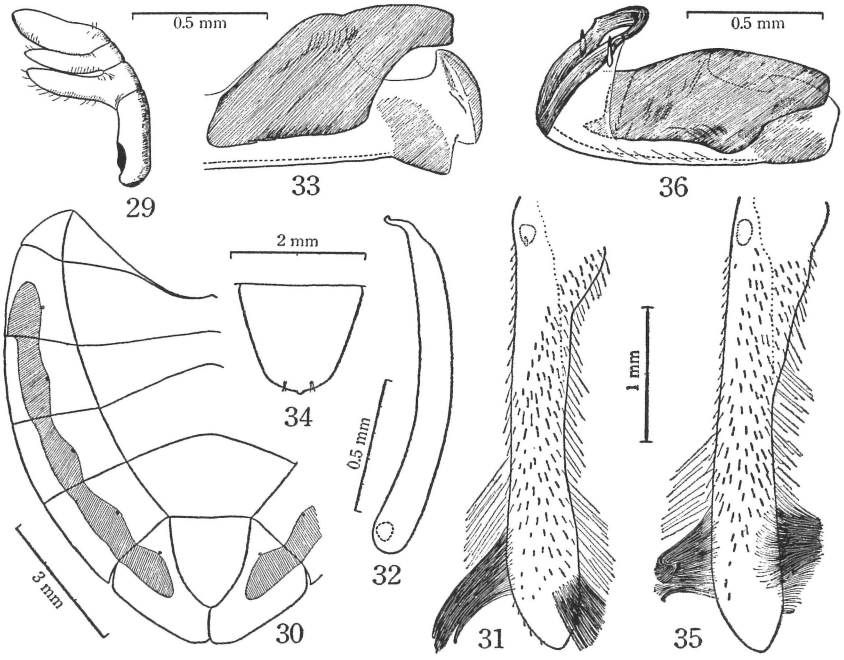
Size: For males body length 16.2—16.8 mm., humeral width 7.1—7.4 mm. and greatest width across hemelytra 9.8—10.3 mm.; those for female 15.4 mm. long, 7.1 mm. wide and 9.8 mm. wide.

Coloration: Pale grayish brown. Head broadly brown on vertex, dark on antero-lateral sides in front of eyes, with eyes blackish. Pronotum and scutellum more or less dark brown, the former with lateral sides and posterior lobe pale; dark areas irregularly with some pale obscure markings while pale posterior lobe of pronotum obscurely speckled with brown. Hemelytra pale grayish brown, obscurely speckled with sordid brown, with basal half of costal margin broadly pale and with a batch of

shining spinulets on membrane. Legs pale brown, darker toward apex; anterior femora with 3 dark, irregular bands on inner surface, tibiae with 3 dark bands; posterior pairs of femora with 2 dark irregular bands, submedian and subapical, on under surface. Dark transverse fasciae on laterotergites somewhat distinct.

Structure: Covered with small but distinct punctures. Head inside eyes with a pair of longitudinal shallow depressions extending slightly over inner angle of eyes; head width across eyes more than twice the shortest distance of interocular space (4.40 : 1.92 in ♂, 4.27 : 1.83 in ♀), a little less than twice the greatest distance of interocular space (4.40 : 2.38 in ♂, 4.27 : 2.25 in ♀). 2nd and 3rd antennal segments with a lateral prolongation pointed at apex (Textfig. 29); relative lengths of antennal segments I to IV: .36 : .13 : .10 : .35. Ratios of rostal segments I to III: .57 : .103 : .57.

Pronotum comparatively broad, with acute humeral angles; anterior width to posterior width: 4.40 : 7.35 (♂). Hemelytra densely covered with



Textfigs. 29—34. *Diplonychus esakii.*

29 right antenna of ♂, viewed from dorsal side, 30 ventral side of abdomen, ♂ 31 left retractile strap of ♂, dorsal view, 32 left-hand paramere, lateral view, 33 aedeagus inflated, lateral view from left side, 34 subgenital plate of ♀, ventral view. Textfigs. 35 & 36. *D. rusticus*, ♂ from Philippines. 35 left retractile strap of ♂, dorsal view, 35 aedeagus, lateral view from left side.

small but distinct punctures of similar size; costal flattened area before corial fracture with almost equal width except basal 1/3 of the area; membrane reduced, without visible veins. Anterior tarsi 2-segmented (superficially one-segmented); hinder pairs of tibiae armed with relatively short spines; 2nd tarsal segment of posterior legs longer than the following segment.

Relative lengths of leg segments:

	Femur	Tibia	Ta 1	Ta 2	Ta 3
Anterior leg ♂	3.33	2.40	.12	.66	
Intermediate leg ♂	4.30	4.10	.38	.77	1.04
Posterior leg ♂	5.30	6.30	.48	1.64	1.52 (r)
			.48	1.70	1.52 (l)
Posterior leg ♀	5.00	5.80	.41	1.54	1.34

Striae of pubescence on ventral latero-tergite III to VII (Textfig. 30). Subgenital plate nearly as long as wide in ♂ (1.90 : 1.80), a little shorter than wide in ♀ (1.57 : 1.80), hind margin of ♀ subgenital plate (Textfig. 34) slightly produced at middle. Retractile air straps of ♂ (Textfig. 31) furnished with a group of dark very long hairs on each side of subapical portion. Parameres (Textfig. 32) with apical portion suddenly narrowed and S-shaped; aedeagus (Textfig. 33) with lateral plates of phallotheca distinctly curved at middle of dorsal margin and with apex of phallothecal processes (lateral arms of phallobase, by Menke) truncated.

Holotype ♂, allotype ♀ and 7 paratypes ♂♂, Seongsampho, Cheju Island, 2. viii. 1962, C. E. Lee; 6 ♂♂ of the specimens with eggs on dorsum.

Related to *D. rusticus* (Fabricius, 1794) (Oriental Region) but immediately separated from it by larger and robuster body, angulated humeri, distinct punctures on hemelytra, much shorter spines on middle and hind tibiae and by many points. Retractile air strap (Textfig. 35) and aedeagus (Textfig. 36) of *D. rusticus* are figured.

Family **Corixidae**

Subfamily **Micronectinae**

Micronecta sedula Horváth, 1905

Micronecta sedula Horváth, 1905, Ann. Mus. Nat. Hung. **3**: 423.
Micronecta sedula: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 43.
Micronecta sedula: Esaki, 1932, Icon. Ins. Jap.: 1696, fig. 3352.
Micronecta sedula: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 13, 20.

Micronecta sedula: Haku, 1937, ibid. 22: 71.
Micronecta sedula: Esaki, 1950, Icon. Ins. Japan. Ed. ref.: 270, fig. 713.
Micronecta (*Basileonecta*) *sedula*: Wróblewski, 1962, Bull. Acad. Pol. Sci. Warszawa **10**: 176.
Micronecta (*Basileonecta*) *sedula*: Jaczewski, 1963, ibid. **11** (5): 241, 242, & 243-244.
Micronecta (*Basileonecta*) *sedula*: Wróblewski, 1963, Ann. Zool. Warszawa **21** (18): 478.
Micronecta sedula: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 108, pl. 54, fig. 20.

Specimens examined: Kyungsangpookdo—Dongchon, Taegu, 4♂♂, 8♀♀, 7 nym., 31. vii. 1960, C. E. Lee; Phagae Temple, 1♀, 24. x. 1960, C. E. Lee; Kapjae, Kyungsan, 2♂♂, 2♀♀, 12. iv. 1964, C. E. Lee.

Chejudo—Leongsanpho, 1♀, 2. viii. 1962, C. E. Lee & M. Y. Lee.

Localities: North Korea—Pyungyang (Jaczewski, Wróblewski, 1963); Central Korea—Seoul area (Doi, 1932); South Korea—Jeonpookdo (Yamada, 1936), Taegu (Haku, 1937).

Distribution: Korea, Quelpart Is. (new record), Japan (Honshu, Kyushu), S. China, Manchuria, E. Siberia, Viet-Nam.

Subfamily **Corixinae**

Hesperocorixa distanti (Kirkaldy, 1899)

Corixa distanti Kirkaldy, 1899, Entom. **32**: 79.
Corixa distanti: Oshanin, 1909, Verz. Pal. Hem. **1**: 991.
Corixa distanti: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 61.
Corixa distanti: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 323.
Corixa distanti: Esaki, 1932, Icon. Ins. Jap.: 1696, fig. 3351.
Corixa distanti: Yamada, 1936, J. Chosen Nat. Hist. Soc. 21: 20.
Sigara distanti: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 270, fig. 712.
Corixa (*Hesperocorixa*) *distanti*: Jaczewski, 1960, Ann. Zool. Warszawa **18** (25): 461.
Hesperocorixa distanti: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 108, pl. 54, fig. 14.

Localities: Central Korea—Suweon (Maruta, 1929); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Kyushu), Manchuria, China.

Sigara substriata (Uhler, 1896)

Corixa substriata Uhler, 1896, Proc. U. S. Nat. Mus. **19**: 275.
Corixa substriata: Oshanin, 1909, Verz., Pal. Hem. **1**: 991.
Corixa substriata: Okamoto, 1924, Bull. Agr. Exp. Stat. Gov. Gen. Chosen **1** (2): 61.
Sigara substriata: Maruta, 1929, Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 324.
Sigara substriata: Esaki, 1932, Icon. Ins. Jap.: 1695, fig. 3350.
Corixa substriata: Doi, 1932, J. Chosen Nat. Hist. Soc. 13: 43.
Sigara substriata: Doi, 1933, ibid. 15: 90.
Sigara substriata: Yamada, 1936, ibid. 21: 13, 20.
Sigara substriata: Haku, 1937, ibid. 22: 72.
Sigara substriata: Tanaka, 1942, Ent. World **10** (105): 709.
Sigara substriata: Esaki, 1950, Icon. Ins. Jap. Ed. ref.: 270, fig. 711.
Sigara substriata: Hasegawa, 1960, Bull. Nagaoka Mun. Sci. Mus. **1**: 57.
Sigara substriata: Jaczewski, 1963, Bull. Acad. Pol. Sc. Warszawa **11** (5): 244.
Sigara substriata: Miyamoto, 1965, Icon. Ins. Jap. Col. Nat. **3**: 108, pl. 54, fig. 17.

Specimens examined: Kyungsangpookdo—Dongchon, Taegu, 1♂, 3♀♀, 31. vii. 1960, C. E. Lee; Phage Temple, 3♂♂, 5♀♀, 24. x. 1960, C. E. Lee; Kapjae, Kyungsan, 3♂♂, 9♀♀, 12. iv. 1964, C. E. Lee, H. Y. Lee, H. J. Lee, H. U. Lee & H. S. Lee.

Localities: North Korea—Pyungyang (Jaczewski, 1963); Central Korea—Seoul area (Doi, 1932), Suweon (Maruta, 1929), Mt. Kariwang (Tanaka, 1942); South Korea—Taegu (Haku, 1937), Sangri, Jeongeop (Yamada, 1936); Cheju Is. (Okamoto, 1924).

Distribution: Korea, Quelpart Is., Japan (Hokkaido, Honshu, Shikoku, Kyushu), Saghaline, Manchuria, E. Siberia, Formosa.

Literature

Ashlock, P., 1964, Two new tribes of Rhyparochrominae: A re-evaluation of the Lethaeini (Hemiptera-Heteroptera: Lygaeidae). Ann. Ent. Soc. Amer. **57**: 414-422, 3 figs.

Baba, K. and C. Sawada, 1938, Morphological and ecological knowledge of *Ranatra chinensis* Mayr. Nature Study, Nat. Hist. Club, Niigata High Sch. **7**: 11-17.

China, W. E., 1940, Key to the subfamilies and genera of Chinese Reduviidae with descriptions of new genera and species. Lingnan Sci. Journ. **19**: 205-255, 16 figs.

Cho, P. S., 1947, Fauna of the Mt. Diamond in Korea. Bull. Zool. Sec. Nation. Sci. Mus. Korea **2** (3): 43-100.

———, 1955, The Fauna of Dagelet Island (Ulneong Is.). Seongkyun Hakbo, Seoul **2**: 179-266.

Distant, W. L., 1911, Rhynchotal notes 54: Pentatomidae from various regions. Ann. Nat. Hist. (8) **7**: 338-354.

Doi, H., 1932—1938, Miscellaneous notes on insects I—IX. Journ. Chosen Nat. Hist. Soc. 13 (1932), 14 (1932), 15 (1933), 17 (1934), 18 (1934), 20 (1935), 21 (1936), 22 (1937) & 24 (1938).

———, 1938, Insects of Gaima-Plateau, North Korea, in spring. Mushi **11** (1): 89-91.

Doi, H. and M. Tanaka, 1941, On the genus *Eurydema* of Chosen (Heteroptera). Mushi **13** (2): 115-127, 5 figs., 1 pl.

Drake, C. J., 1948, Some Tingitidae from China, Japan and India. Not. Ent. Chin. **12**: 1-9.

———, 1948a, New species of *Stephanitis* Stål, including a list of the world (Hemipt.). ibid.: 45-56.

Drake, C. J. and T.-C. Maa, 1953—1955, Chinese and other Oriental Tingoidea (Hemip.). Quart. Journ. Taiwan Mus. **6** (2): 87-101, **7** (1): 111-118 & **8** (1): 1-11.

Eguchi, M., 1934, Results of light trapping of insects. Ann. Agr. Exp. Gov. Gen. Chosen **7** (1): 95-125.

Esaki, T., 1930, On the two pentatomids described from Quelpart Island, Notulae Cimicum Japonicum IV-9. Kontyû **4** (1): 31-35, 2 figs.

———, 1932, Heteroptera. Icon. Ins. Jap.: 1556-1696, figs. 3073-3352.

———, 1936, Two species of the genus *Notonecta* new to the fauna of Japan and Corea. Kontyû **10** (1): 40-44, 2 figs.

———, 1950, Heteroptera. Icon. Ins. Jap. Ed. ref.: 179-270, figs. 456-713.

——— and S. Miyamoto, 1955, Veliidae of Japan and adjacent territory. I. *Microvelia* Westwood and *Pseudovelia* Hoberlandt of Japan. Sieboldia **1** (3): 169-204, figs. 1-10, pls. 24-29.

Fukui, T., 1926 1927 & 1927a, Illustrated monograph of Japanese Reduviidae. Kontyû **1** (1): 7-17, 2 pls., **2** (1): 1-16 & **2** (2): 71-89, 2 pls.

Furukawa, H., 1930, A note on Corean Heteroptera. Kontyû **4** (1): 53-55.

Haku, K., 1935, Insects collected at light. Ent. World **3** (13): 52-59.

———, 1937, Insects from Kyobun-To, Chosen. Ent. World **5** (44): 21-23.

———, 1937a, A list of insects collected from North Keisho-Do, Korea. II. Journ. Chosen Nat. Hist. Soc. **22**: 70-74.

Hasegawa, H., 1942, Heteroptera collected by Mr. S. Yamamoto from Sado Island. Ent. World **10** (101): 427-431.

———, 1954, An annotated list of Hemiptera from the Ozegahara Moor. Rep. Sci. Res. to Ozegahara Moor: 746-757.

———, 1954, Notes on *Nezara viridula* (L.) and allied green stink-bugs in Japan. Bull. Nation. Inst. Agr. Sci. (C) **4**: 215-228, 6 figs., 2 pls.

———, 1960, Heteroptera of Niigata Prefecture. Bull. Nagaoka Mun. Sci. Mus. **1**: 19-65, 1 pl.

———, 1961, Some bugs recently occurred on rice plant in paddy field. Shokubutsu Boeki (Plant Protection) **15** (4): 1-4.

———, 1962, Heteroptera of Southeast Asia collected by the Osaka City Univ. Biol. Expedition to Southeast Asia 1957-58. Nature and Life in Southeast Asia **2**: 5-24, 3 pls.

Heki, Masayoshi, 1939, Miscellaneous notes on red striped bug. Ent. World **7** (63): 289-290, **7** (67): 537-539.

Hidaka, T., 1959, Studies on the Lygaeidae V. Three new species of the genus *Cligenes* Distant from Japan and her adjacent territories. Akitu, Trans. Kyoto Ent. Soc. 8 (1): 1-6, 3 figs.

———, 1961, Studies on the Lygaeidae 24. Revision of the genera *Mizaldus* and *Ampera* from Japan. Kontyû **29**: 91-94, 2 figs.

———, 1962, Studies on the Lygaeidae 22. Revision of the genera *Drymus* Fieber and *Lamproplax* Douglas and Scott from Japan. Kontyû **30**: 273-281, 3 figs.

———, 1962a, Studies on the Lygaeidae 26. Revision of the genus *Lethaeus* Dallas from Japan and her adjacent territories. Mushi **36** (6): 77-83, 7 figs.

———, 1965, Lygaeidae. Icon. Ins. Jap. Col. Nat. **3**: 85-88.

Hiura, I., 1966, On two fossil Pentatomidae from the Shiobara Group (Middle Pleistocene), Central Japan (Insecta, Heteroptera). Bull. Osaka Mus. Nat. Hist. **19**: 39-45, 3 figs., 1 pl.

Horváth, 1905, Hémiptères nouveaux de Japon. Ann. Mus. Nat. Hung. **3**: 413-423, 2 figs.

Hsiao, T., 1964, New species of Nabidae from China (Hemiptera-Heteroptera). Acta Ent. Sin. **13**: 76-87, 9 figs.

Ichikawa, S., 1906, Insects of Quelpart Island. Hakubutsu no Tomo **6** (33).

Iida, Nobumi, 1942, Insects gathered at the park light on Mt. Funeoka in autumn. Ent. World **10** (101): 457-465.

Imama, Yoshikado, 1943, Insects assembled to the station light of Takaido. Ent. World **11** (108): 48-54.

Ishihara, T., 1937, 1937a & 1939, A list of Heteroptera from Hiroshima Prefecture. 1, 3 & Suppl. Ent. World **5** (41): 475-497, **5** (44): 726-733 & **7** (63): 260-265.

———, 1940, Hemiptera-Heteroptera collected in Kita-Oagarijima. Ent. World **8** (76): 369-373 & **8** (81): 766.

———, 1941, Cimices Phillocephalinarum Japonicorum. Ent. World **9** (91): 621-636.

Jaczewski, T., 1960, On some Japanese Corixidae (Heteroptera). Ann. Zool. Inst. Zool. Pol. Acad. Warszawa, **18** (25): 459-469.

———, 1963, Notes on some aquatic Heteroptera from North Korea. Bull. Acad. Polon. Sci. Warszawa **11**: 241-245.

Kamijo, N., 1932 & 1933, On a collection of insects from Keisho-Do, Korea. Journ. Chosen Nat. Hist. Soc. 13: 22 &**15**: 12-14.

———, 1936, The investigation of phototaxious insects at the vicinity of Mokpho. Journ. Chosen Nat. Hist. Soc. 21: 84-89.

Kambe, T., 1934, List of insect pests on cotton in Chosen and other countries. Ann. Agr. Exp. Sta. Gov. Gen. Chosen **7** (4).

Kikuchi, 1933, Some Heteroptera of Southern Manchuria. Kontyû **7** (5/6): 273.

Kirkaldy, G. W., 1901, Notes on some Rhynchota collected chiefly in China and Japan by Mr. T. B. Fletcher, R. N., F. E. S. Entomologist: 49-52.

Kiritschenko, A. N., 1916, Coreidae: Coreinae. Faun. Russ. **6** (2).

Koba, S., 1941, The research on the "Sukmokhwa" (deformed cotton fruit). Ann. Agr. Exp. Stat. Gov. Gen. Chosen **13** (2): 25-56, 6 pls.

Lee, C. E., 1962, A few species of Veliidae and Hebridae of South Korea (Hemiptera-Heteroptera). These Coll. Kyungpook Univ. **5**: 67-70, 4 pls.

———, 1962a, Notes on some pentatomids and urostylids. Rostria 2: 5.

Linnavuori, R., 1961, Contribution to the Miridae of the Far East. Ann. Ent. Fenn. **27** (4): 155-169, figs. 1-4.

———, 1962, New or lesser known species of the genus *Pilophorus* Hhn. (Hem. Miridae). Ann. Ent. Fenn. **28**: 169-172, 2 figs.

Machida, T., 1937, Some insects supposed to be unrecorded to the Korea. Ent. World **5** (35): 75 & **5** (36): 144.

Maruta, S., 1929, Investigation on the phototaxious insects. Ann. Agr. Exp. Stat. Gov. Gen. Chosen **4** (6): 313-375.

Masaki, C., 1934, Insect-fauna of the Dagelet Island (Ulneong Is.), Korea. Insect World **38** (447): 401.

———, 1934, On the insect-fauna of various islands off coast of Korea. Kontyû **10** (5): 251-274.

Matsumura, S., 1905, Die Wasser-Hemipteren Japans. Journ. Sapporo Agr. Coll. **2**: 53-66, 1 pl.

———, 1905a, Thous. Ins. Jap. **2**.

Miyamoto, S., 1937, Observations on a marine water-strider, *Asclepios coreanus miyamotoi* Esaki. Mushi **9** (2): 137-142, 3 figs.

———, 1958, New water striders from Japan (Heteroptera, Gerridae). Mushi **32** (13): 115-128, 6 pls.

———, 1959, Additions and correction to my list of ovariole number in Japanese Heteroptera (1). Sieboldia **2** (2): 121-123.

———, 1960, Aquatic and semiaquatic Heteroptera from Shansi Province, North China (Hemiptera). Mushi **33** (10): 73-84, 3 pls.

———, 1961, Gerridae, Hemiptera. Insecta Japonica **1** (3): 40 pp., 126 figs.

———, 1963, Some aquatic Heteroptera from the Tokara Islands. Sieboldia **3** (1): 51-53.

———, 1964, Veliidae of the Ryukyus. Kontyû **32** (1): 137-150, 41 figs.

———, 1964a, Tingidae and Nabidae of the South-West Islands, lying between Kyushu and Formosa (Hemiptera). Kontyû **32**: 271-281, 4 figs.

———, 1964b, Heteroptera collected by the Second Kyushu University Expedition to the Yaeyama Group, 1963. Rep. Commit. Foreign Sci. Res. Kyushu U. **2**: 99-110, 2 figs.

———, 1964c, Semiaquatic Heteroptera of the South-West Islands, lying between Kyushu and Formosa. Sieboldia **3** (2): 193-219, 20 figs., 1 pl.

———, 1965, Heteroptera. Icon. Ins. Jap. Col. Nat. **3**: 75-84 & 89-108, pls. 38-42 & 45-54.

———, 1966, Miscellaneous notes on Miridae. Rostria 13: 56.

——— and T. Hidaka, 1960, Entomological results of the scientific survey to the Tokara Islands, VIII. Hemiptera-Heteroptera. Kontyû **28**: 42-47, 2 figs.

——— and T. Hidaka, 1963, Heteroptera collected by the Kyushu University Expedition to the Yaeyama Group, 1962. Rep. Commit. Foreign Sci. Res. Kyushu U. **1**: 75-82, 2 figs.

——— and C. E. Lee, 1963, Water stridars of Korea. Kontyû **31** (1): 33-47, 4 figs. 4 pls.

Nagahana, M., 1934, On the bed bugs of Chosen. Jour. Chosen Nat. Hist. Soc. **17**: 6-7, 2 figs.

Nagaoka, N., 1938, 1940 & 1942, Insect-fauna of Mt. Myoko in western Korea. Ent. World **6** (46): 22-29, 8 (77): 468-480 & **10** (96): 95-97.

Nakayama, S. and T. Okamoto, 1940, List of noxious insects on fruit trees in Korea. Ann. Agr. Exp. Stat. Gov. Gen. Chosen, **12** (3): 195-247.

Okamoto, H., 1924, The insect fauna of Quelpart Island. Bull. Exp. Stat. Gov. Gen. Chosen **1** (2): 47–233, 1 map, 4 pls.

——— and Sigeru Matsumura, 1922 The investigation on the edible and medicinal insects. Ann. Agr. Exp. Gov. Gen. Chosen **7**: 151 pp., 2 pls.

Okamoto, K., 1942, On the breeding and observation of *Dinorhynchus dybowskyi* Jakovlev. Ent. World **10** (98): 247-258, 7 figs.

Sakai, H., 1932, *Microvelia douglasi* sucking leaf hoppers. Kontyû **6** (4): 187.

Oshanin, B., 1906-1909, Verzeichnis der Paläarktischen Hemipteren mit besonderer Berücksichtigung ihre Verteilung im Russischen Reiche. St. Petersburg **1**: 1087 pp.

Poppius, B., 1915, H. Sauter's Formosa-Ausbeute: Nabidae, Anthocoridae, Termatophylidae, Miridae, Isometopidae und Ceratocombidae (Hem.). Arch. Naturg, **80** A (8): 1-80.

Saito, K., 1931, More important injurious forest insects in Korea. Bull. Agr. & Forest. Coll. Suigen, Chosen **4**: 92 pp., 4 pls.

———, 1933, On a new variety and unrecorded species of Tingitidae from Corea, with the food plants of Corean species. Journ. Chosen Nat. Hist. Soc. 15: 5-7.

———, 1941, Ein Dendro-Entomologischer Beitrag. Bull. Agr. & Forest. Coll. Suigen, Chosen **6**: 272 pp., 67 figs.

Seok, D. M., 1939, On the three pentatomid bugs affecting *Selkova serrata* Makino and their control. Kontyû **13** (5/6): 246-248 (an abstract at the 3rd Meeting, 1939, Ent. Soc. Japan).

———, 1940, Life histories of some urostylid insects affecting *Selkova serrata* Makino and their control. Zool. Mag. Jap. **52** (11): 433-448, 2 pls.

Sonan, 1926, On the Nepidae of Corea. Trans. Nat. Hist. Soc. Formosa **16** (84): 92-95.

Takara, T., 1957, Provisional list of Hemiptera (Heteroptera) in the Ryukyu Islands. Sci. Bull. Agr. & Home Econ. Div., Univ. Ryukyus **4**: 11-90.

Takeya, C. 1932, Some Corean lace-bugs (Tingitidae). Mushi **5** (1): 8-13, pl. 1.

——— 1962 & 1963, Taxonomic revision of the Tingidae of Japan, Korea, the Ryukyus and Formosa (Hemiptera). I & II. Mushi **36** (5): 41-75, 8 figs. & **37** (4): 27-52, 17 figs.

Tanaka, M. 1937, On Hydrometridae and Gerridae from Korea. Ent. World **5** (43): 11-14.

———, 1937, Notes on some hitherto unrecorded Heteroptera from Chosen. Ent. World **5** (44): 724-725.

———, 1938a, On the malformed antenna of Korean *Parurochela quadrinotata*. Ent. World **6** (56): 763-765, 2 figs.

———, 1938 & 1939, Heteroptera of Chosen. Ent. World **6** (52): 519-532, 21 figs. & **7** (61): 131-144, 21 figs.

———, 1939a, A list of Heteroptera from Mt. Kong-go and Mt. Setsugaku in Central Korea. Ent. World **7** (69): 675-681, 5 figs.

———, 1941, On the Korean Plataspidae. Journ. Chosen Nat. Hist. Soc. 8 (31): 26-27, 1 pl.

———, 1941a, Individual variation of 2 species of the genus *Adelphocoris* in Korea. Ent. World **9** (86): 211-212, 2 figs.

———, 1942, A list of Gerridae (Heteroptera) from Corea. Journ. Chosen Nat. Hist. Soc. **9** (37): 157-173, 1 pl.

————, 1942a, A list of Heteroptera from North-Korea. Ent. World **10** (104): 658–665.
————, 1942b, A list of Heteroptera from Mt. Kario, Korea. Ent. World **10** (105): 706–709.
Tazawa, M., 1938, A list of Heteroptera from Chiisagata-Gun, Nagano Pref. Ent. World **6** (49): 249–262 & **6** (51): 466–475.
Toshioka, S., 1937, On the discoloration of some species of Pentatomidae. Kontyû **11** (1/2): 132–133.
Umeya, Y. and Y. Omi, 1935, Studies on noxious insects on mulberry tree in Chosen, I. List of noxious insects on mulberry tree in Chosen. Ann. Seric. Dept. Agr. Exp. Stat. Gov. Gen. Chosen **3** (4): ? pp.
Urada, A., 1963, Pentatomoidea of Tsushima. Tsukushi no Konchu 8 (1/2): 30-34.
Wróblewski, A., 1962, Notes on Micronectinae from Viet-Nam (Heteroptera, Corixidae). Bull. Acad. Pol. Sci. Warszawa **10**: 175–180.
————, 1963, Notes on Micronectinae from the U. S. S. R. (Heteroptera, Corixidae). Ann. Zool. Warszawa **21**: 463–484, 3 maps, 2 pls.
Wu, C. F., 1935, Cat. Ins. Sin. **2**: 634 pp.
Wygodzinsky, P. and R. L. Usinger, 1960, Heteroptera: Reduviidae. Ins. Micronesia **7** (5): 231–283, 27 figs.
Yamada, M., 1936, A list of Heteroptera from Corea. Journ. Chosen Nat. Hist. Soc. 21: 12–26.
————, 1939, Some aquatic insects from Corea. Mushi **12** (1): 56-63, 1 fig.

Explanation of plates 16–22

Pl. 16. *Polytoxus annulipes* Miyamoto et Lee, ♂ holotype.

Pl. 17. *Ectrychotes chejudonis* Miyamoto et Lee, ♀ holotype.

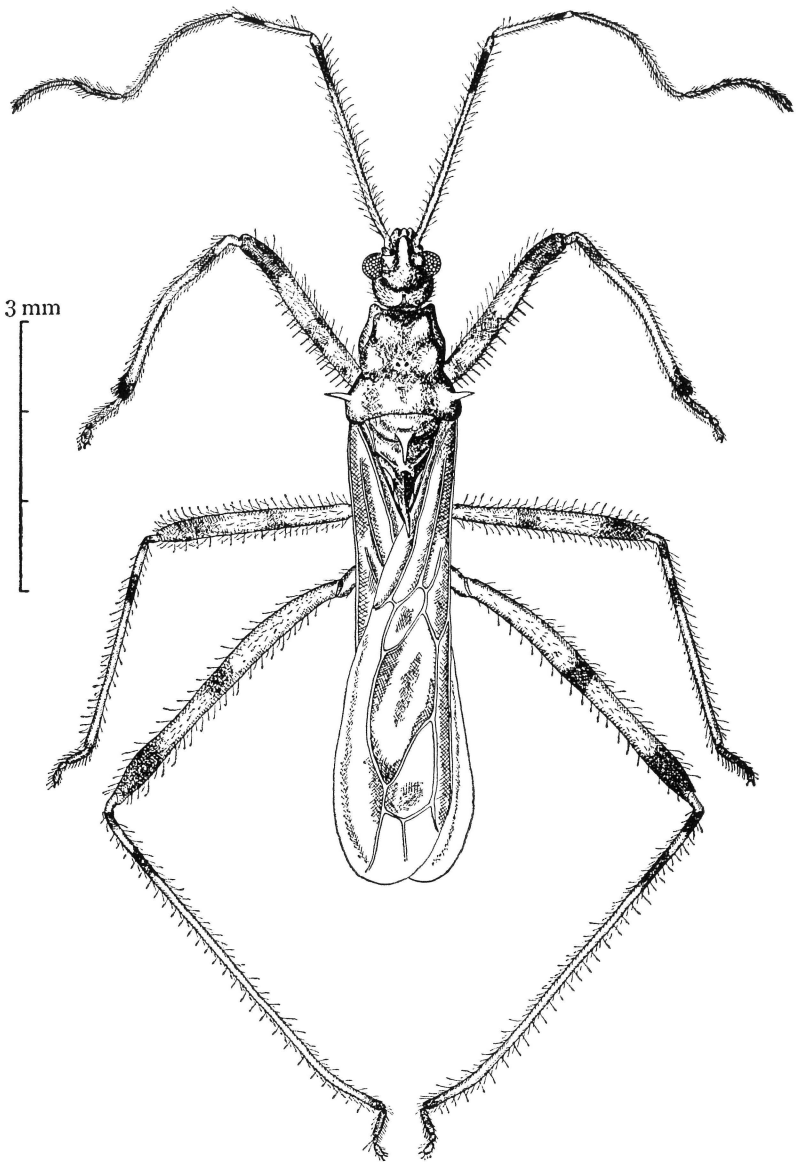
Pl. 18. *Prostemma quelpartense* Miyamoto et Lee, ♂ holotype.

Pl. 19. *Stenonabis yasumatsui* Miyamoto et Lee, ♂ holotype.

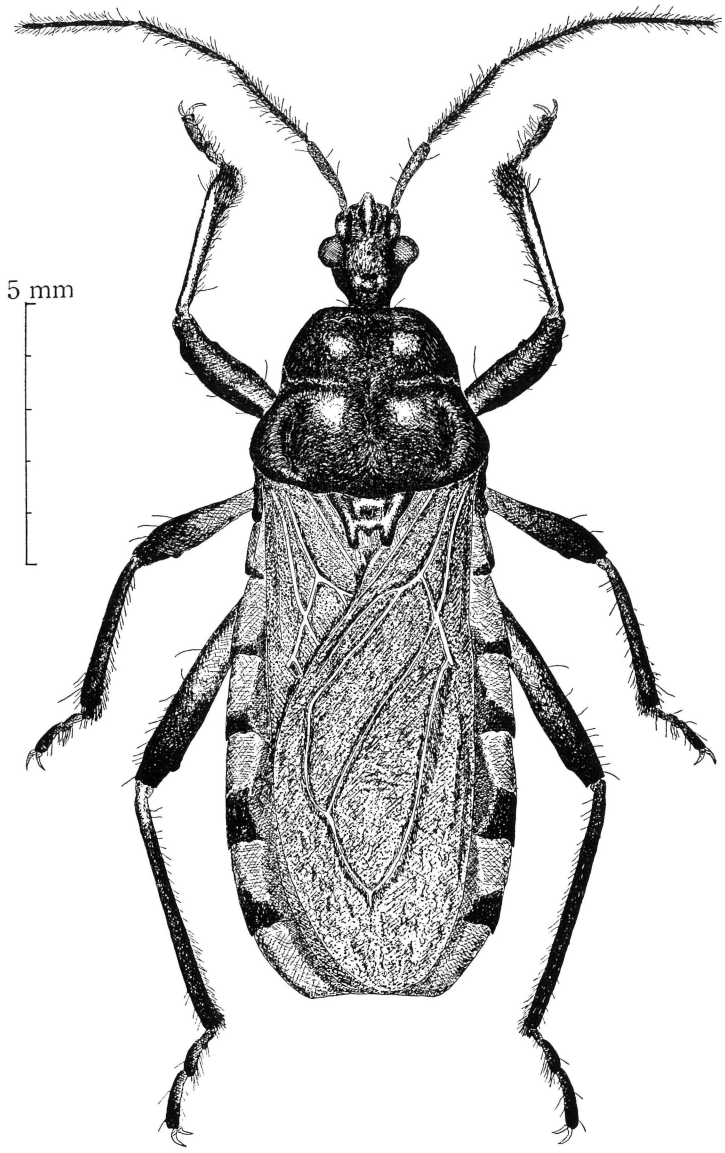
Pl. 20. *Pilophorus okamotoi* Miyamoto et Lee, ♂ holotype.

Pl. 21. *Tinginotum distinctum* Miyamoto et Lee, ♀ allotype.

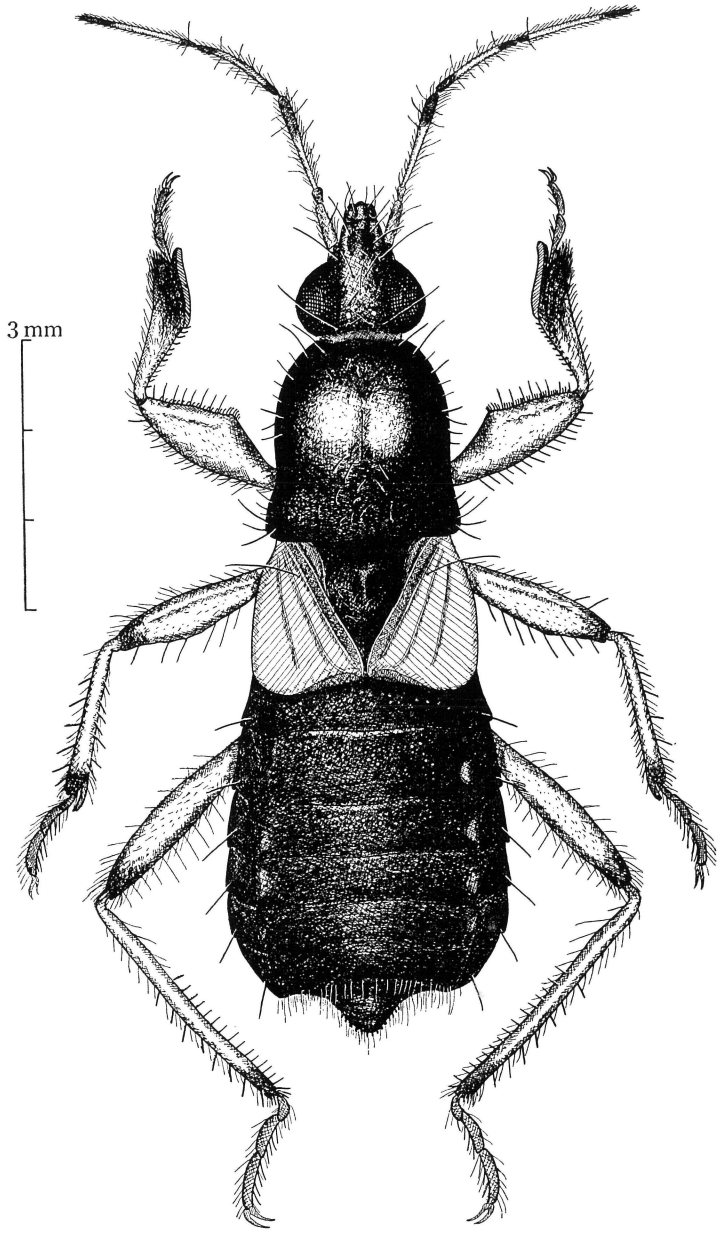
Pl. 22. *Diplonychus esakii* Miyamoto et Lee, ♂ holotype.



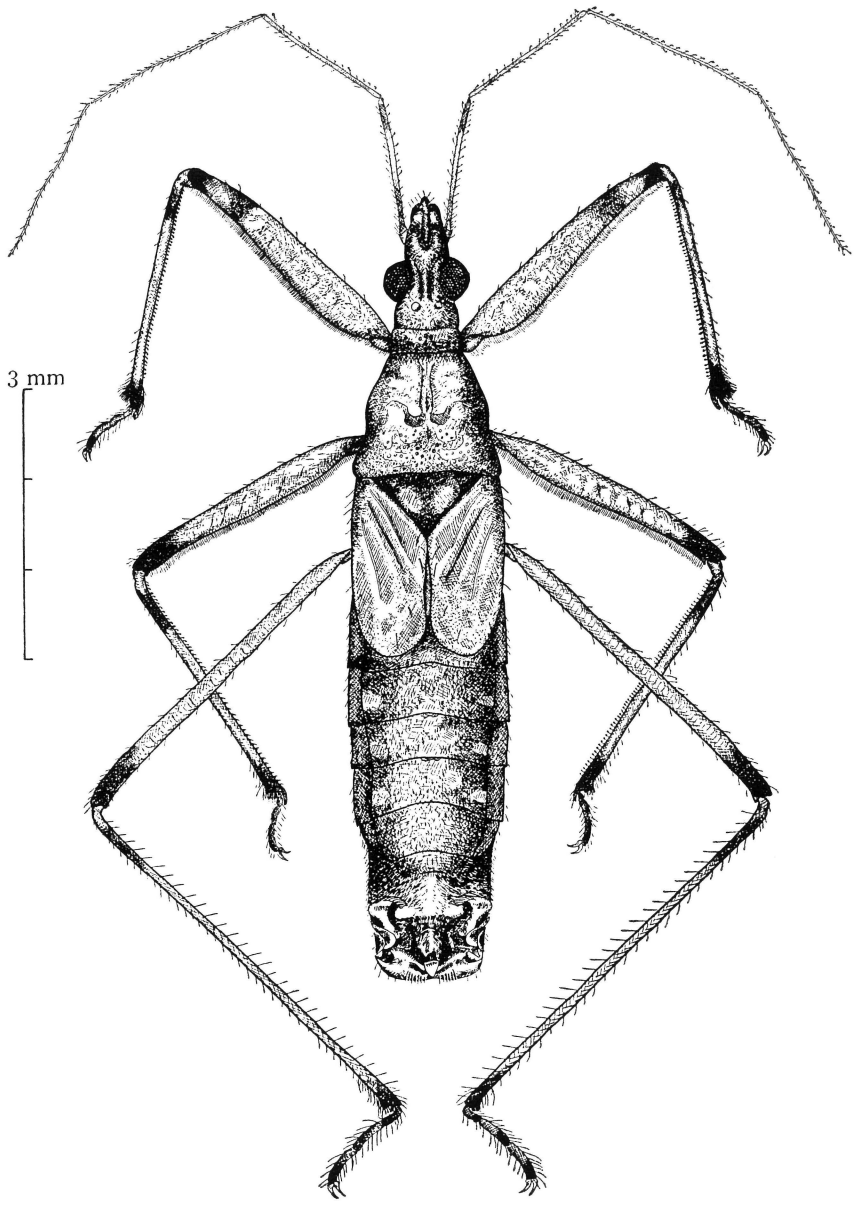
Heteroptera of Quelpart Island (Chejudo)



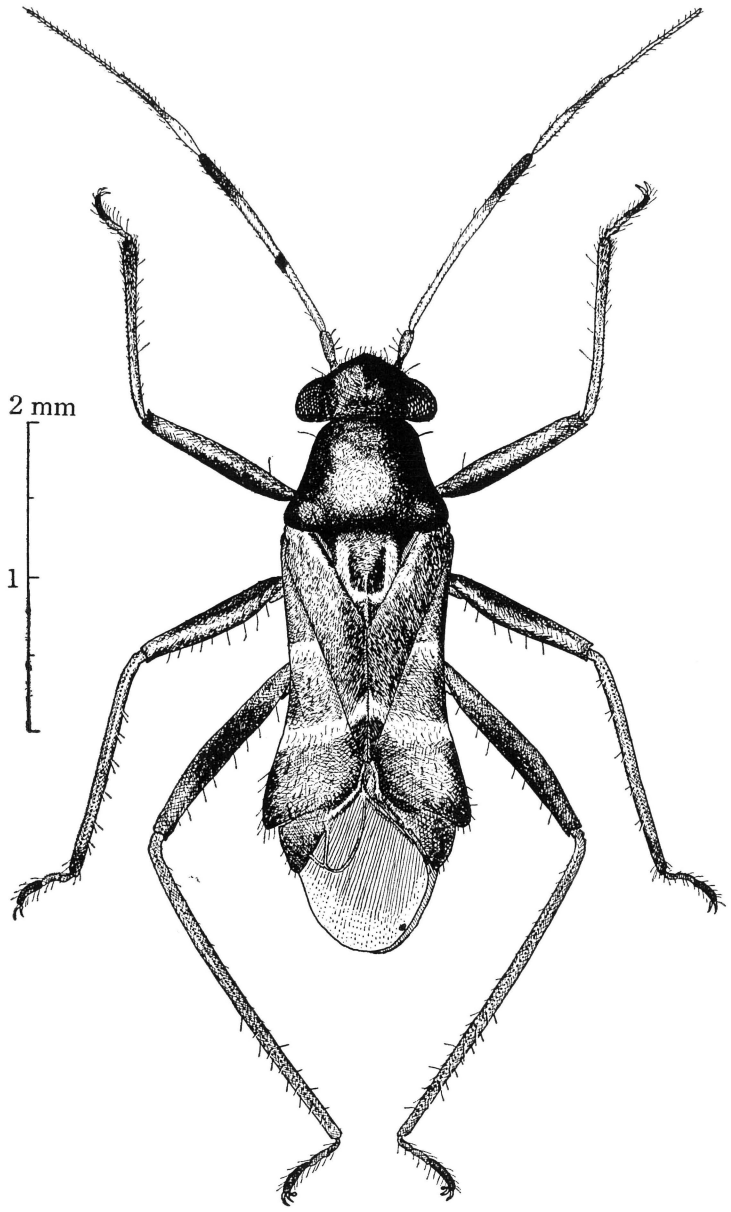
Heteroptera of Quelpart Island (Chejudo)



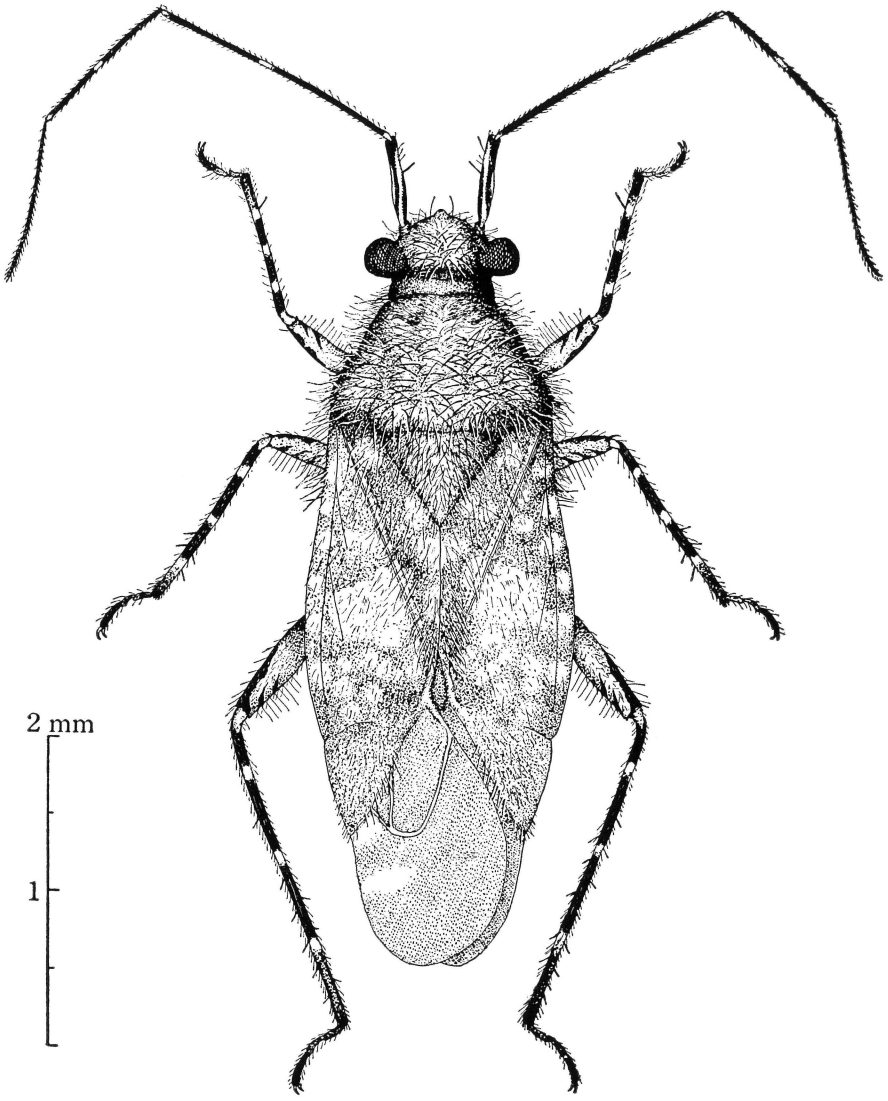
Heteroptera of Quelpart Island (Chejudo)



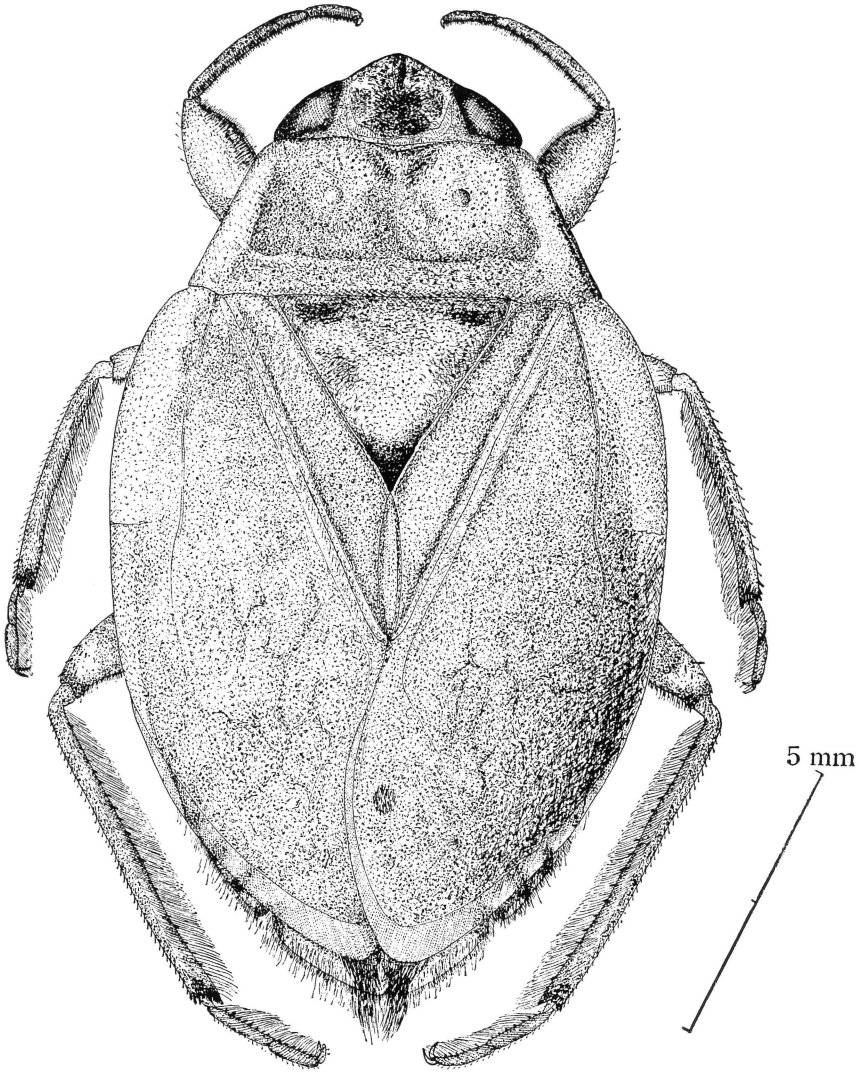
Heteroptera of Quelpart Island (Chejudo)



Heteroptera of Quelpart Island (Chejudo)



Heteroptera of Quelpart Island (Chejudo)



Heteroptera of Quelpart Island (Chejudo)