

ELATERID-BEETLES FROM THE RYUKYU ARCHIPELAGO
COLLECTED BY MR. MAKIHARA IN 1968-1970
(COLEOPTERA)

By Hitoo Ôhira*

The present study was carried out on the specimens of Elaterid-beetles from the Ryukyu Archipelago collected by Mr. H. Makihara, Kyushu University, during 1968-1970.

I am deeply indebted to Mr. H. Makihara, for his help in the material. The type-species described in this study are deposited in my collection.

Subfamily Chalcolepidiinae Schenkling, 1925

Paracalais putridus larvatus (Candèze, 1874)

AMAMI-ÔSHIMA: Nishinakama, 1 ♂, 26-28. VII. 1969; *ditto*, 1 ♂, 1-7. VI. 1970.
OKINAWA-HONTÔ: Yona, 1 ♀, 12-17. VI. 1970. ISHIGAKI: Banna-dake, 1 ♂ 1 ♀,
7-9. IX. 1969; *ditto*, 1 ♀, 30. VI. 1970. IRIOMOTE: Shirahama, 1 ♀, 31. VIII. 1969.
YONAGUNI: Sonai, 1 ♀, 52-29. VIII. 1969.

Alaotypus yayeyamanus (Miwa, 1934)

OKI-NO-ERABU: 1 ♀, 2. VII. 1969. IRIOMOTE: 1 ♂, 24. VI. 1970.

This species is here recorded from Oki-no-erabu-jima for the first time.

Subfamily Agrypninae Fleutiaux, 1919

Agrypnus (Agrypnus) bipapulatus sakishimanus Ôhira, 1967

AMAMI-ÔSHIMA: Nishinakama, 1 ♀, 1-7. VI. 1970. ISHIGAKI: Banna-dake, 1 ♂ 1 ♀,
7-9. IX. 1969; *ditto*, 1 ♀, 20-22. VI. 1970. IRIOMOTE: Shirahama, 1 ♂, 31. VIII.
1969. YONAGUNI: Sonai, 1 ♂, 25-29. VIII. 1969.

This species is here recorded from Yonaguni-jima for the first time.

Agrypnus (Agrypnus) scutellaris scutellaris (Candèze, 1893)

KUCHI-NO-SHIMA: 2 ♂♂, 26. VII. 1969. OKI-NO-ERABU: 1 ♂, 2. VII. 1969.

This species is here recorded from Kuchi-no-shima and Oki-no-erabu-jima for the first time.

Sagojyo yuppe (Kishii, 1964)

AMAMI-ÔSHIMA: Nishinakama, 1 ♂ 1 ♀, 26-28. VII. 1969; Hatsuno, 1 ♀, 5. VI. 1970.
IRIOMOTE: Shirahama, 1 ♀, 31. VIII. 1969.

* Aichi University of Education, Kariya, Japan.

Brachylacon (Brachylacon) microcephalus difficilis (Lewis, 1894)

OKI-NO-ERABU: 4 exs., 2. VII. 1969. AMAMI-ÔSHIMA: Nishinakama, 1 ex., 26-28. VII. 1969; *ditto*, 4 exs., 3-5. VIII. 1969; *ditto*, 2 exs., 1-7. VI. 1970. OKINAWA-HONTÔ: Yona, 1 ex., 12-17. VI. 1970. ISHIGAKI: Banna-dake, 2 exs., 24. VIII. 1969; *ditto*, 2 exs., 7-9. IX. 1969. IRIOMOTE: Nakara river-side, 2 exs., 25-28. VI. 1970.

This species is here recorded from Oki-no-erabu-jima for the first time.

Subfamily Conoderinae Fleutiaux, 1919

Aeoloderma brachmana (Candèze, 1859)

AMAMI-ÔSHIMA: Nishinakama, 1 ex., 1-7. VI. 1970. MIYAKO: Hirara, 1 ex., 17-23. VIII. 1969.

This species is here recorded from Miyako-jima for the first time.

Aeoloderma agnata (Candèze, 1873)

KUCHI-NO-SHIMA: 8 exs., 26. VI-3. VII. 1969.

This species is here recorded from Kuchi-no-shima for the first time.

Prodrasterius hisamatsui Ôhira, 1964

IRIOMOTE: Nakara river-side, 7 exs., 25-28. VI. 1970.

This species was found from Amami-Ôshima, but I have examined above specimens from Iriomote-jima, where the species has been unrecorded.

Subfamily Negstriinae Nakane et Kishii, 1956

Quasimus (Quasimus) takahashii Miwa, 1934

OKINAWA-HONTÔ: Hyakuna, 1 ex., 18. VI. 1970.

Yukoana amamiensis Ôhira, 1967

AMAMI-ÔSHIMA: Hatsuno, 4 exs., 5. VI. 1970.

Subfamily Oxynopterinae Schenkling, 1925

Pectocera fortunei amamiinsulana Nakane, 1957

AMAMI-ÔSHIMA: Nishinakama, 1 ♂, 1-7. VI. 1970. TOKU-NO-SHIMA: Inokawa, 1 ♀, 28-31. V. 1970.

This species is here recorded from Toku-no-shima for the first time.

Campsosternus nobuoi Ôhira, 1966

YONAGUNI: Sonai, 1 ♂ 1 ♀, 25-29. VIII. 1969.

Campsosternus matsumurae Miwa, 1929

ISHIGAKI: Banna-dake, 2 exs., 24-30. VIII. 1969; *ditto*, 1 ex., 20-22. VI. 1970. IRIOMOTE: Nakara river-side, 1 ex., 25-28. VI. 1970.

Subfamily Ampedinae Fleutiaux, 1947

Ampedus (Ampedus) aritai aritai Ôhira, 1964

AMAMI-ÔSHIMA: Ôhata, 1 ♀, 31. III. 1968.

Ampedus (Ampedus) amamiensis Ôhira, 1968

AMAMI-ÔSHIMA: Ôhata, 17 exs., 29. III. 1968.

Xanthopenthes granulipennis (Miwa, 1934)

AMAMI-ÔSHIMA: Hatsuno, 2 ♀♀, 5. VI. 1970. TOKU-NO-SHIMA: Inokawa, 5 ♀♀, 28-31. V. 1970.

This species is here recorded from Toku-no-shima for the first time.

Abelater pulcherus (Miwa, 1933)

IRIOMOTE: Nakara river-side, 1 ♀, 25-28. VI. 1970.

Subfamily Physorrhinae Fleutiaux, 1919

Anchastus castaneus Miwa, 1934

AMAMI-ÔSHIMA: Nishinakama, 1 ♀, 26-28. VII. 1969. ISHIGAKI: Omoto-dake, 1 ♂, 11. VII. 1970.

Anchastus aquilus ryukyuensis Ôhira, 1968

OKINAWA-HONTÔ: Yona, 1 ♂, 9-13. VIII. 1969; *ditto*, 1 ♂ 1 ♀, 12-17. VI. 1970.

Subfamily Elaterinae Fleutiaux, 1936

Elater (Elater) sieboldi (Candèze, 1873)

OKINAWA-HONTÔ: Yona, 1 ♀, 12-17. VI. 1970. ISHIGAKI: Banna-dake, 1 ex., 30. VIII. 1969; *ditto*, 2 exs., 7-9. IX. 1969; *ditto*, 1 ex., 11. VII. 1970.

Vuilletus amamiensis amamiensis Ôhira, 1967

AMAMI-ÔSHIMA: Ôhata, 1 ♀, 31. III. 1968.

Chiagosnius delauneyi fuscomarginatus (Lewis, 1896)

AMAMI-ÔSHIMA: Nishinakama, 1 ♂, 26-28. VII. 1969; Naze, 1 ♀, 26. V. 1970. OKINAWA-HONTÔ: Yona, 1 ♂ 2 ♀♀, 12-17. VI. 1970. IRIOMOTE: Nakara river-side, 1 ♀, 25-28. VII. 1970.

Subfamily Melanotinae Jakobson, 1913

Neodiploconus satoi Nakane et Kishii, 1956

MIYAKO: Hirara, 2 exs., 17-23. VIII. 1969.

Neodiploconus ishigakiensis Ôhira, 1967

ISHIGAKI: Banna-dake, 1 ♂, 30. VI. 1970.

Melanotus (Spheniscosomus) amamiensis Ôhira, 1967

AMAMI-ÔSHIMA: Naze, 1 ex., 2. V. 1970; Hatsuno, 1 ex., 5. VI. 1970; Nishinakama, 5 exs., 1-7. VI. 1970.

Subfamily Agriotinae Fleutiaux, 1939

Neoagriotes insularis (Miwa, 1934)

ISHIGAKI: Banna-dake, 1 ♀, 11. VII. 1970.

Agriotes hirayamai Miwa, 1934

YONAGUNI: Sonai, 2 ♀♀, 6-8. VII. 1970.

Subfamily Adrastinae Fleutiaux, 1940

Silesis okinawensis Miwa, 1928

OKINAWA-HONTÔ: Shuri, 2 exs., 11. VI. 1970; Yona, 3 exs., 12-17. VI. 1970; Hyakuna, 5 exs., 14-18. VII. 1970.

Silesis shirozui Kishii, 1959

AMAMI-ÔSHIMA: Nishinakama, 2 exs., 26-28. VII. 1969; *ditto*, 1 ex., 3-5. VIII. 1969; *ditto*, 2 exs., 1-7. VII. 1970. OKINAWA-HONTÔ: Hyakuna, 2 exs., 18. VI. 1970.

This species is here recorded from Okinawa-hontô for the first time.

Glyphonyx rubricollis okinawana Chujô, 1959

OKINAWA-HONTÔ: Yona, 1 ex., 12-17. VI. 1970.

Glyphonyx pallidipes Miwa, 1934

IRIOMOTE: Nakara river-side, 2 exs., 25-28. VI. 1970.

Glyphonyx yuwancola Ôhira, 1971

AMAMI-ÔSHIMA: Nishinakama, 11 exs., 1-7. VI. 1970.

Glyphonyx iriomotensis Miwa, 1934

ISHIGAKI: Banna-dake, 3 exs., 7-9. IX. 1969; *ditto*, Omoto-dake, 1 ex., 11. VII. 1970.
IRIOMOTE: Nakara river-side, 1 ex., 25-28. VI. 1970.

Glyphonyx kishiii Ôhira, 1968

AMAMI-ÔSHIMA: Nishinakama, 1 ex., 3-5. VIII. 1969.

Glyphonyx esakii Miwa, 1934

AMAMI-ÔSHIMA; Nishinakama, 7 exs., 1-7. VI. 1970; Ashikebu, 1 ex., 27. V. 1970.

Glyphonyx nomurai Ôhira, 1968

OKINAWA-HONTÔ: Shuri, 3 exs., 11. VI. 1970; Yona, 5 exs., 12-17. VI. 1970.

Glyphonyx yoshimotoi Ôhira, 1971

AMAMI-ÔSHIMA: Nishinakama, 2 exs., 1-7. VI. 1970.

Glyphonyx makiharai sp. nov. (Fig. 1)

Male. Length 4.5 mm, width about 1.2 mm. Body small, elongate and nearly parallel-sided; surface moderately shiny, entirely black except at anterior angles of pronotum and some parts of abdomen more or less dusky brown, antennae and legs yellow brown; vestiture fine, recumbent, pale yellow to slightly golden yellow.

Head gently convex between eyes, but often slightly impressed at middle, flattened on vertical portion between antennae; surface moderately densely and evenly punctate; clypeal margin well ridged, V-shaped, angulated and not impressed at middle. Antennae rather short, extending beyond posterior angles of pronotum by apical-most at least; basal segment elongate, subcylindrical; second segment small, subcylindrical; third segment smaller than second and subclavate; fourth to tenth segments weakly serrate; apical-most subovate and clearly longer than preceding one.

Pronotum subcylindrical, distinctly longer than wide (length and width measured at median); sides slightly sinuate before posterior angles, parallel at middle, then rounded towards anterior angles; disc dome-like, moderately densely and evenly punctate, but punctures becoming sparser and minuter posteriorly, having a very shallow undefined median longitudinal smooth line at basal area; posterior angles projected behind but not divergent, each bears a distinct carina above, extending anteriorly near anterior margin. Scutellum flattened, tongue-shaped and obtusely rounded apically.

Elytra about 2.7 times as long as basal width; sides nearly parallel at basal half, then weakly rounded and gradually tapering towards apex; striae defined, regularly and deeply punctate; intervals slightly elevated, punctulate, irregularly and transversely rugose but not granulated. Aedeagus and some segments of male antenna as figured.

Female. Very similar to male, but antennae a little shorter, almost just reach to posterior angles of pronotum or a little longer than it.

Holotype: ♂, Yona, Okinawa-hontô, 15-17. VII. 1970, H. Makihara leg.; paratypes: 10 exs., ibidem.

Distribution: Ryukyus (Okinawa-hontô).

This new species is closely allied to *Glyphonyx nomurai* Ôhira, 1968 from Okinawa-hontô, but can be distinguished from the latter in having the black

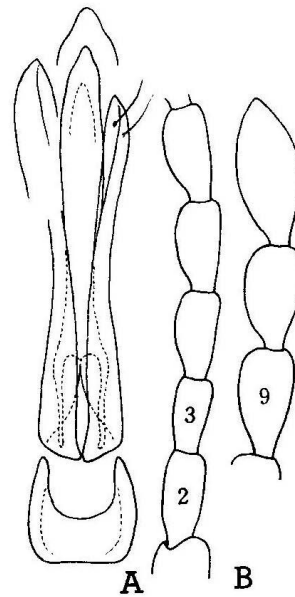


Fig. 1. Aedeagus and some segments of male antenna of *Glyphonyx makiharai* sp. nov.

and larger body, the punctures on the disc of pronotum more coarsely and densely set. Also, resembles closely *Glyphonyx yoshimotoi* Ôhira, 1971 from Amami-Ôshima, but can be distinguished from the latter in having the narrower and more slender body, and more sparsely and evenly punctate on the disc of pronotum.

Subfamily Cardiophorinae Leng, 1910

Dicronychus (*Platynychus*) *formosanus* (Matsumura, 1910)

IRIOMOTE: Shirahama, 1 ex., 31. VIII. 1969.

Genus *Ryukyucardiophorus* nov. (Fig. 2)

Type-species: *Paracardiophorus loochooensis* Miwa, 1934, Fauna of Elat. Japan: 255, pl. VIII, f. 11 (Iriomote-jima).

Body oblong-ovate and moderately convex above.

This new genus is closely allied to the genus *Paracardiophorus* Schwarz, 1895 (Type-species: *Cardiophorus musculus* Erichson, 1840, Zeitschr. Ent., II: 299), but can be distinguished from the latter by the following points: Apical segment of maxillary palpi elongate, almost parallel-sided, but not axe-like in shape (B); second and third segments of antennae subequal in length to each other, third segment normally shorter than fourth segment (E); posterior margin of propleura strongly angulated at each near outer angle (C); scutellum subpentagonal, not cordate and not impressed at middle of anterior margin (A); basal plates rather narrow, gradually narrowing towards sides (G); legs slender, tarsi simple; claws with each inner side usually weakly dentate near base (D); lateral lobes of aedeagus not dilated at each apex (F).

Ryukyucardiophorus loochooensis (Miwa, 1934)

comb. nov.

OKINAWA-HONTÔ: Yona, 1 ex., 12-17. VI. 1970.

IRIOMOTE: Nakara river-side, 4 exs., 25-28. VI. 1970.

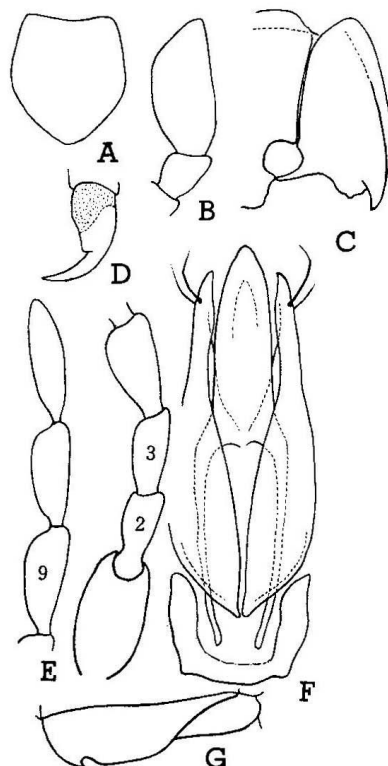


Fig. 2. Some structures of *Ryukyucardiophorus loochooensis* (Miwa, 1934). A, scutellum; B, apical segment of maxillary palpus; C, propleural area of prothorax; D, claw; E, some segments of male antenna; F, aedeagus; G, left basal plate.

要 約

榎原寛氏の採集になる琉球産コメツキムシ (大平仁夫)

九州大学の榎原寛氏が、1968~1970年に琉球列島の各地で採集されたコメツキムシのリストを発表し、この中で *Glyphonyx makiharai* (マキハラクチボソコメツキ) という1新種と、*Ryukyucardiophorus* 属 (リュウキュウコハナコメツキ属) という1新属を新設した。また新分布地についても合わせて報告した。