



FIG. 14. A, *Pleistacantha oryx* Ortmann, 1893, ♂, QM W10596; B, *Ovalipes molleri* (Ward, 1933), ♀, QM W10564; C, *Platymaia remifera* Rathbun, 1916, ♂, QM W11240; D, *Benthochascon hemingi* Alcock and Anderson, 1899, ♂, QM W11236. Scale divisions 1 mm.

illustrations to be no more than sharp tubercles and which 'may be reduced to a low tubercle in small specimens'.

ETYMOLOGY

The species is named to honour Dr Des Griffin for his contribution to majid taxonomy.

DISTRIBUTION

Australia, from SEQ to northern N.S.W.

Benthochascon hemingi Alcock and Anderson, 1899 (Fig. 14D)

Benthochascon hemingi Alcock and Anderson, 1899, p.10; Alcock, 1899a, p.69, pl.3, fig. 2; 1899b, p.15; Alcock and MacGilchrist, 1905, pl.76, figs 4,4a; Doflein, 1904, p.90, pl.29, figs 1, 2, pl. 41, figs 1, 2; Sakai, 1965a, pp.39, 44, pl.6, figs 2; 1976, pp.333-4, pl.114.

Carcinectes pacificus Stephenson, 1972a, pp.129-30, fig. 3; 1972b, p.3(key).

MATERIAL EXAMINED

QM W10575, ♂ (43.8 mm), trawled M.V. 'Iron Summer', 27°35.04'S, 153°57.32'E, 545 m, 31.iii.1983, R. Morton (Q.F.S.); QM W10576, ♂ (49.1 mm), trawled M.V. 'Iron Summer', 27°35.54'S, 153°56.72'E, 520 m, 31.iii.1983, R. Morton (Q.F.S.); QM W10577, ♂ (48.8 mm), trawled M.V. 'Iron Summer', 27°15.33'S, 153°54.01'E, 31.iii.1983, R. Morton (Q.F.S.); QM W10578, ♂ (49.7 mm), trawled M.V. 'Iron Summer', 27°35.54'S, 153°56.72'E, 520 m, 31.iii.1983, R. Morton (Q.F.S.); QM W10579, ♂ (51.6 mm), trawled M.V. 'Iron Summer', 27°53.90'S, 154°00.33'E, 560 m, 30.iii.1983, R. Morton (Q.F.S.); QM W10580, ♂ (46.6 mm), trawled M.V. 'Iron Summer', 27°13'S, 153°22'E, 520 m, 25.iii.1983, R. Morton (Q.F.S.); QM W10152, ♂ (61.9 mm), trawled 'Craigmin' survey, 23°28'S, 153°19'E, 562 m, 20.ix.1980, Q.F.S.; QM W10154, ♂ (47.1 mm), trawled 'Craigmin' survey, 23°15.3'S, 154°21.7'E, 549 m, 4.x.1980, Q.F.S.; QM W10153, 2 ♂ (49.1, 50.7 mm), trawled 'Craigmin' survey, 22°36.7'S, 154°14.0'E, 522 m, 4.x.1980, (Q.F.S.); QM W11235, ♂ (52.4 mm), trawled M.V. 'Southern Intruder', 23°21'S, 153°23'E, 410 m, 30.xi.1983, P. Davie; QM W11236, ♂ (64.0 mm), 2 ♀ (46.0, 48.8 mm), trawled M.V. 'Southern Intruder', 23°22'S, 152°45'E, 310-350 m, 30.x.1983, P. Davie.

REMARKS

Carcinectes Stephenson, 1972, and its sole species *C. pacificus* Stephenson, 1972, must become junior subjective synonyms of *Benthochascon* Alcock and Anderson, 1899, and *B. hemingi* Alcock and Anderson, 1899, respectively. Stephenson's erection of *Carcinectes* appears to

have been based on the presumption that the specimen he examined belonged to the subfamily Carcininae, and this presumption apparently caused him to look no further in his search for its identity. *Benthochascon* may well be more appropriately placed in the Carcininae where Stephenson felt his specimen should be.

DISTRIBUTION

Japan, Andaman Sea, New Caledonia and now eastern Australia (mid-eastern and southeast Qld).

Charybdis (Gonioneptunus) bimaculata (Miers, 1886)

Goniosoma variegatum, var. *bimaculatum* Miers, 1886, p.191, pl.15, figs 3, 3a-c.

Charybdis (Gonioneptunus) bimaculata: Leene, 1938, pp.126-9, figs 70, 71; Stephenson, Hudson and Campbell, 1957, pp.504-5, figs 2J, 3K, pl.3, fig. 4, pl.4H, pl.5A; Sakai, 1976, p.364, pl.128, fig. 1.

Charybdis (Goniohellenus) bimaculata: Moosa, 1981, pp. 145-6.

MATERIAL EXAMINED

QM W10151, ♂ (37.9 mm), trawled 'Craigmin' survey, 22°51.7'S, 152°45.7'E, 261 m, 3.x.1980, Q.F.S.; QM W10150, 4 ♂ (37.3, 38.1, 39.8, 42.7 mm), trawled 'Craigmin' survey, 21°30'S, 152°56'E, 240m, 22.ix.1980, Q.F.S.

DISTRIBUTION

India and Maldives to Japan, the Philippines and eastern Australia (from mid-eastern Queensland to Botany Bay, New South Wales).

Charybdis (Charybdis) miles (de Haan, 1835)

Portunus (Charybdis) miles de Haan, 1835, p.41, pl.11, fig. 1.

Charybdis (Goniosoma) miles: Alcock, 1899a, p.62; Chopra, 1935, p.486, text-fig. 13; Shen, 1937, p.123, text-fig. 13.

Charybdis (Charybdis) miles: Leene, 1938, p.38, figs 10-13, pl.4F; Stephenson, 1961, p.116; Sakai, 1976, pp.358-9, pl.124; Moosa, 1981, p. 145.

MATERIAL EXAMINED

QM W10149, ♂ (80.9 mm), trawled 'Craigmin' survey, 23°10.6'S, 152°12.3'E, 135 m, 2.x.1980, Q.F.S.; QM W11397, ♂ (97.4 mm), trawled M.V. 'Southern Intruder', 23°06'S, 153°02'E, 150 m, 28.viii.1983, M. Dredge (Q.F.S.).

DISTRIBUTION

India, Gulf of Oman, Singapore, Japan, Phil-

ippines, and Australia. Known to occur in depths from 20 to over 200 m (Stephenson 1972b).

***Ovalipes molleri* (Ward, 1933)**
(Fig. 14B)

Aeneacancer molleri Ward, 1933, pp.381-3, pl.23, fig. 11.

Ovalipes molleri: Stephenson and Rees, 1968, pp.237-9, figs 1H, 2G, 3G, 4G, pls 37A, 40B, 41B, 42H; Dawson and Yaldwyn, 1974, pp.46-47; Griffin and Brown, 1976, p.254.

MATERIAL EXAMINED

QM W10571, 4 ♀ (28.8, 29.9, 46.0, 61.5 mm), trawled M.V. 'Iron Summer', 27°53.90'S, 154°00.33'E, 560 m, 30.iii.1983, R. Morton (Q.F.S.); QM W10570, 2 ♀ juv. (22.4, 24.0 mm), ♀ (67.8 mm), ♂ (72.1 mm), 26.0 n. miles off Pt Danger, 400m, 15.xii.1982, G. Smith (Q.F.S.); QM W10569, ♀ (85.8 mm), trawled M.V. 'Iron Summer', 27°56'S, 153°54'E, 590 m, 30.xi.1982, S. Hyland (Q.F.S.); QM W10567, ♀ (77.5 mm), trawled M.V. 'Iron Summer', 27°15.33'S, 153°54.01'E, 535 m, 31.iii.1983, R. Morton (Q.F.S.); QM W10566, ♂ (85.0 mm), trawled M.V. 'Iron Summer', 27°53.9'S, 154°0.33'E, 560 m, 30.iii.1983, R. Morton (Q.F.S.); QM W10568, ♀ (60.2 mm), trawled M.V. 'Iron Summer', 27°18'S, 153°54'E, 540 m, 13.viii.1982, G. Smith and J. Burke (Q.F.S.); QM W10565, ♂ (juv., 22.5 mm), ♂ (89.4 mm), trawled M.V. 'Iron Summer', 27°55'S, 154°01'E, 555 m, 30.xi.1982, Q.F.S.; QM W10564, ♀ (65.8 mm), trawled M.V. 'Iron Summer', 27°54'S, 153°58'E, 490 m, 30.xi.1982, S. Hyland (Q.F.S.); QM W10563, ♀ (66.1 mm), trawled M.V. 'Iron Summer', 27°13-22'S, 153°E, 500-540 m, M. Holmes (Q.F.S.).

DISTRIBUTION

Eastern Australia (from southeast Queensland to Victoria) and northern New Zealand.

***Parathranites orientalis* (Miers, 1886)**

Lupocyclus (Parathranites) orientalis Miers, 1886, p.186, pl.17, figs 1a-c.

Parathranites orientalis: Alcock, 1899a, p.17; Sakai, 1936, p.119, pl.32, fig. 2; 1939, p.376, fig. 2; 1965, p.113, pl.51, fig. 1; 1976, p.332, pl.113, fig. 3; Barnard, 1950, p.148, figs 29i-l; Stephenson, 1961, p.97, figs 1B, 2H, pl.1, fig. 2, pl.4B; Crosnier, 1962, p.22, fig. 24; Serène and Lohavanijaya, 1973, pp.59-60, pl.XIII, fig. A.

MATERIAL EXAMINED

QM W10598, 2 ♂ (24.6, 27.9 mm), trawled M.V. 'Iron Summer', 27°41.7'S, no longitude, 260 m, 10.vi.1983, P. Dutton (Q.F.S.); QM W10599, ♂ (24.0 mm), trawled M.V. 'Iron Summer', 27°35'S, 153°50'E, 210 m, 15.xii.1982, G. Smith (Q.F.S.).

DISTRIBUTION

Madagascar, Seychelles, India, Andamans, Kii Is., Japan, Admiralty Is., eastern Australia (off SE. Qld and Port Stephens, N.S.W.) and Solomon Bank.

Family GERYONIDAE

***Chaceon bicolor* Manning and Holthuis, 1989**

Chaceon bicolor Manning and Holthuis, 1989, pp.55-57, figs 3, 4.

Geryon affinis: Griffin and Brown, 1976, pp.256-7, figs 7-9; Sakai, 1978, pp.9-11, figs 18-19, pl.2, fig. D; [not *Geryon affinis* A. Milne Edwards and Bouvier, 1894].

Geryon quinquedens: Guinot and Richer de Forges, 1981c, p.249 [not *Geryon quinquedens* Smith, 1879].

MATERIAL EXAMINED

QM W10572, 2 ♀ (128.2, 140.6 mm), trawled M.V. 'Iron Summer', 27°13.69'S, 153°54.93'E, 600 m, 31.iii.1983, R. Morton (Q.F.S.); QM W10573, ♀ (159.7 mm), trawled M.V. 'Iron Summer', 27°59.37'S, 154°00.12'E, 590 m, 31.iii.1983, Q.F.S.; QM W10574, ♂ (162.9 mm), trawled M.V. 'Iron Summer', 27°S, 153-4°E, 31.iii.1983, Q.F.S.

DISTRIBUTION

Central Pacific: Emperor Seamount Chain in Japan; New Caledonia; and south to Sydney off eastern Australia.

Family GONEPLACIDAE

***Intesius pilosus* Guinot and Richer de Forges, 1981**

Intesius pilosus Guinot and Richer de Forges, 1981b, pl.VII, 1, 1a, 1b; 1981c, pp. 253-6, fig. 6D, 11A-G.

MATERIAL EXAMINED

QM W12401, ♀ (19.0 mm), trawled 'Nimbus' 27°00'S, 153°39'E, 183 m, 28.vii.1968, A.J. Bruce.

REMARKS

Our specimen differs slightly from the holotype in having the accessory spinules on the anterolateral spines not as strongly marked and the second anterolateral spine set slightly closer to the first (the outer orbital tooth). These differences may be size related as the present specimen is nearly half the size of the holotype male.

DISTRIBUTION

Loyalty Isles and now southeast Queensland, Australia.

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LITERATURE CITED

- ALCOCK, A. 1896. Materials for a carcinological fauna of India. No. 2. The Brachyura Oxystomata. *J. Asiat. Soc. Bengal* 65: 134-296, pls 1-3.
- 1899a. An account of the deep-sea Brachyura collected by the Royal Indian Marine Survey Ship 'Investigator', Calcutta. 4: 1-85, pls 1-4.
- 1899b. Materials for a Carcinological Fauna of India. No. 5. Brachyura Primigenia or Dromiacea. *J. Asiat. Soc. Bengal* 64 (Pt. 2, No. 2): 157-291, pls 3-5.
1901. Catalogue of the Indian Decapod Crustacea in the collection of the Indian Museum. Part 1. Brachyura. Fasc. 1. Introduction and Dromides or Dromiacea (Brachyura Primigenia). Calcutta, pp. 1-80, pls 1-8.
- ALCOCK, A. AND ANDERSON, A.R.S. 1899. Natural history notes from the Royal Indian Marine Survey ship 'Investigator', Commander T.H. Heming, R.N., commanding. Series III, No.2. An account of the deep sea Crustacea dredged during the surveying season of 1897-98. *Ann. Nat. Hist.* Ser. 7, 3: 1-27, 278-92.
- ALCOCK, A. AND MACGILCHRIST, A.C. 1905. Illustrations of the Zoology of the Royal Indian Marine Surveying Steamer 'Investigator'. Crustacea. Part XI, pl.68-76.
- BALSS, H. 1921. Diagnosen neuer Decapoden aus den Sammlungen der deutschen Tiefsee — Expedition und der Japanischen Ausbete Dofleins und Haberers. *Zool. Anz.* 52: 175-8.
1922. Ostasiatische Decapoden. III. Dromiaceen, Oxystomen und Parthenopiden. *Arch. Naturgesch.* 88A(3): 104-40, text-figs 1-9.
- BARNARD, K.H. 1950. Descriptive Catalogue of South African Decapod Crustacea (Crabs and Shrimps). *Ann. South Afric. Mus.* 38: 1-837, figs 1-154.
- BRUCE, A.J. AND SERÈNE, R. 1972. The rediscovery of *Notopoides latus* Henderson in the western Indian Ocean (Crustacea-Decapoda, Raninidae). *Afr. J. Trop. Hydrobiol. Fish.* 2: 76-81, figs 1-3.
- CAMPBELL, B.M. 1971. New records and new species of crabs (Crustacea: Brachyura) trawled off southern Queensland: Dromiacea, Homolidea, Gymnopleura, Corystoidea, and Oxystomatia. *Mem. Qd Mus.* 16(1): 27-48.
- CHACE, F.A. 1940. Reports on the scientific results of the 'Atlantis' Expedition to the West Indies, under the joint auspices of the University of Havana and Harvard University. Brachyuran crabs. *Torreia* 4: 3-67, figs 1-22.
- CHILTON, C. 1911. The Crustacea of the Kermadec Islands. *Trans. Proc. N.Z. Inst.* 43: 544-73, figs 1-4.
- CHOPRA, B. 1935. Further Notes on Crustacea Decapoda in the Indian Museum. VIII. On the Decapod Crustacea collected by the Bengal Pilot Service off the Mouth of the River Hooghly. Brachygnatha (Oxyrhyncha and Brachyrhyncha). *Rec. Ind. Mus.* 37(4): 463-514, pl. 9.
- CROSNIER, A. 1962. Crustacés Décapodes, Portunidae. Faune de Madagascar 16: 1-154, pls 1-13, text-figs 1-251.
- DAWSON, E.W. AND YALDWYN, J.C. 1974. *Ovalipes mollerii* (Ward), a portunid swimming crab new to New Zealand: Occurrence and distinguishing features. *N.Z.O.I. Rec.* 2: 45-8.
- DELL, R.K. 1963. Some deepwater crabs (Crustacea, Decapoda) from New Zealand. *Rec. Dom. Mus. Wellington* 4: 243-53, figs 1-13.
1968. Notes on New Zealand crabs. *Rec. Dom. Mus.* 6(3): 13-28, figs 1-7, pls 1-3.
- DOFLEIN, F. 1904. Brachyura. *Wiss. Ergebn. Deutschen Teifsee 'Valdivia' Exp.* 6: i-xiv, 1-314, figs 1-68, pls 1-57.
- DREDGE, M. AND GARDINER, P. 1984. Survey discovers new central Qld prawning grounds. *Aust. Fish.* 43(1): 16-19.
- EDMONSON, C.H. 1932. A giant *Latreillopsis* from Hawaii. *Occ. Pap. Bishop Mus. Honolulu.* 9(24): 3-9, pl. 1, fig. 1.
- FULTON, S.W. AND GRANT, F.E. 1902. Some little known Victorian Decapod Crustacea with descriptions of new species, No. II. *Proc. Roy. Soc. Vict.* 15: 59-68, pls viii-x.
- GOEKE, D.G. 1985. Decapod Crustacea: Raninidae. In Résultats des campagnes MUSORSTROM I et II. Philippines (1976, 1980), 2, 6. *Mém. Mus. natn. Hist. nat.*, 1985, Ser. A, Zool. 133: 205-28, figs 1-10.
- GORDON, I. 1950. Crustacea Dromiacea. I. Systematic account of the Dromiacea collected by the 'John Murray' Expedition, II. The morphology of the spermatheca in certain Brachyura. *Scient. Rep. 'John Murray' Exped. 1933-1934* 9: 201-53, text-figs 1-26, pl. 1.
1963. On the relationship of Dromiacea, Tymolinae

- and Raninidae to the Brachyura. *In* Phylogeny and Evolution of Crustacea. *Mus. Comp. Zool., Special Publication*, pp. 51-7, figs 10-14.
1966. On the spermatheca in the Raninidae (Crustacea: Decapoda). *In* Barnes, H. (Ed.), 'Some contemporary studies in marine science'. (George Allen & Unwin: London), pp. 343-54, 6 figs.
- GRANT, F.E. 1905. Crustacea dredged off Port Jackson in deep water. *Proc. Linn. Soc. N.S.W.* 30: 312-24, pls 10,11.
- GRIFFIN, D.J.G. 1966a. The genus *Chlorinoides* (Crustacea, Brachyura, Majidae). I. A redescription of *C. tenuirostris* Haswell and the status of the genus *Acanthophrys* A. Milne Edwards. *Rec. Aust. Mus.* 27: 1-16, figs 1-11.
- 1966b. A review of the Australian majid spider crabs (Crustacea, Brachyura). *Aust. Zool.* 13: 259-98, figs 1-3., pls 15-17.
1974. Spider crabs (Crustacea: Brachyura: Majidae) from the International Indian Ocean Expedition 1963-64. *Smithson. Contr. Zool.* 182: iv-v, 1-35, figs 1-8, tables 1-6.
1976. Spider crabs of the family Majidae (Crustacea: Brachyura) from the Philippine Islands. *J. nat. Hist.* 10: 179-222, figs 1-11.
- GRIFFIN, D.J.G. AND BROWN, D.E. 1976. Deepwater decapod Crustacea from eastern Australia: Brachyuran crabs. *Rec. Aust. Mus.* 30(11): 248-71, figs 1-10.
- GRIFFIN, D.J. AND TRANTER, H.A. 1986a. The Decapoda Brachyura of the Siboga Expedition. VIII. Majidae. *Siboga-Exp. Monogr.* 39(C4): 1-335, text-figs 1-112, pls 1-22.
- 1986b. Same majid spider crabs from the deep Indo-West Pacific. *Rec. Aust. Mus.* 38: 351-71, figs 1-14.
- GUINOT, D. AND RICHER DE FORGES, B. 1981a. Homolidae, rares ou nouveaux, de l'Indo-Pacifique (Crustacea, Decapoda, Brachyura). *Bull. Mus. natn. Hist. nat., Paris* Ser. 4, 3, sect. A(2): 523-81, figs 1-7, pls i-viii.
- 1981b. Crabes de profondeur, nouveaux ou rares, de l'Indo-Pacifique (Crustacea, Decapoda, Brachyura). (Première partie). *Ibid.*, Ser. 4, 2, sect. A(4): 1113-53, figs 1-3, pls I-VII.
- 1981c. Crabes de profondeur, nouveaux ou rares, de l'Indo-Pacifique (Crustacea, Decapoda, Brachyura). (Deuxième partie). *Ibid.*, Ser. 4, 3, sect. A(1): 227-60, figs 4-12.
- 1982a. Nouvelles récoltes des genres *Cyrtomaia* Miers et *Pleistacantha* Miers (Crustacea, Decapoda, Brachyura). *Bull. Mus. natn. Hist. nat., Paris*, Ser. 4, 3: sect. A(4): 1087-124, figs 1-8, pls 1-4.
- 1982b. Révision du genre Indo-Pacifique *Cyrtomaia* Miers, 1886: campagnes océanographiques du 'Challenger', de l' 'Albatross', du 'Siboga' et du 'Vauban' (Crustacea, Decapoda, Brachyura). *Ann. Inst. océanogr., Paris* 58(1): 5-88, figs 1-55.
1986. Crustacés Décapodes: Majidae (genres *Platymaia*, *Cyrtomaia*, *Pleistacantha*, *Sphenocarcinus* et *Naxioides*). *In* Résultats des campagnes MUSORSTOM I et II. Philippines (1976, 1980), 2, 4. *Mém. Mus. natn. Hist. nat.*, 1985, Ser. A, zool. 133: 83-176, figs 1-21, pls 1-11.
- HAAN, W. DE. 1833-1850. Crustacea. *In* P.F. De Siebold, 'Fauna Japonica': i-xvi, i-xxxii, 1-244, pls A-Q, 1-55. (J. Muller: Amsterdam).
- HALE, H.M. 1927. 'The Crustaceans of South Australia, Pt. 1.' (Govt. Printer: Adelaide). pp 1-201, figs 1-202.
- HENDERSON, J.R. 1888. Report on the Anomura. *In* *Rep. Sc. Res. Voy. Challenger, Zool.* 27: 1-36, pls 1-3.
- HERBST, J.F.W. 1782-1801. 'Versuch einer naturgeschichte der Krabben und Krebse'. (G.A. Lange: Berlin & Stralsund). 3 volumes, atlas, 62 pls.
- HOLTHUIS, L.B. AND SAKAI, T. 1970. 'Ph. F. Von Siebold and Fauna Japonica. A history of early Japanese Zoology'. (Academic Press of Japan: Tokyo). 323 pp.
- IHLE, J.E.W. 1913. Die Decapoda Brachyura der Siboga-Expedition. I. Dromiacea. *Siboga Exped. Monogr.* 39(B): 1-96, pls 1-4.
- IHLE, J.E.W. AND IHLE-LANDENBERG, M.E. 1931. Über einige Tiefsee-Brachyuren der Siboga Expedition aus der Gruppe der Oxyrhyncha. *Zool. Anz.* 93: 147-63.
- KJENNERUD, J. 1967. A find of *Geryon affinis* Milne-Edwards & Bouvier, 1894 (Crustacea Decapoda) off the coast of Norway. *Sarsia* 29: 193-8, fig. 1.
- LEENE, J.E. 1938. The Decapoda Brachyura of the Siboga Expedition. VII. Brachygnatha: Portunidae. *Siboga Exped. Monogr.* 39(C): 1-156.
- MANNING, R.B. AND HOLTHUIS, L.B. 1989. Two new genera and nine new species of geryonid crabs (Crustacea, Decapoda, Geryonidae). *Proc. Biol. Soc. Wash.* 102(1): 50-77
- MIERS, E.J. 1877. Notes upon the oxystomatus Crustacea. *Trans. Linn. Soc. (Zool.)* Ser. 2, 1(5): 235-49, pls 38-40.
1886. Report on the Brachyura collected by H.M.S. 'Challenger' during the years 1873-1876. *Rep. Sc. Res. Voy. Challenger, Zool.* 17(2): i-1, 1-362, pls 1-29.
- MILNE EDWARDS, A. 1873. Description de quelques Crustacés nouveaux ou peu connus provenant du Musée de M.C. Godeffroy. *J. Mus. Godeffroy* 1(4): 77-88, pls 12,13.
- MILNE EDWARDS, A. AND BOUVIER, E.-L. 1894. Crustacés Décapodes provenant des campagnes du yacht 'l'Hirondelle' 1886, 1887 et 1888. Brachyures et Anomures. *Résult. Camp. Scient. Prince Albert I Monaco* 7: 1-112, pls 1-11.
- MOOSA, K. 1981. Crustacés Décapodes: Portunidae. *In* Résultats des campagnes MUSORSTOM I. Philippines (18-28 mars 1976), 1, 6. *Mém. ORSTOM* 91: 141-50, figs 1-3.
- ORTMANN, A. 1892. Die Decapoden-Krebse des Strassburger Museums mit besonderer Berücksichtigung der von Herrn Dr Doderlein bei Japan and bei den Liu-Kiu-Inseln gesammelten und zur Zeit im Strassburger Museum aufbewahrten Formen. V. Hippidea, Dromiidea und Oxystomata. *Zool. Jb. Syst.* 6: 532-88, pl. 26.
1893. *Ibid.*, VI-VIII, Brachyura (I-II). *Zool. Jb., Syst.* 7: 23-88 (I), 411-95 (II).
1894. *Ibid.*, VIII, Brachyura III. *Zool. Jb., Syst.* 8: 683-772, pl. 23.
- PARISI, B. 1915. Decapodi giapponesi del Museo di

- Milano. II. Dromiacea. *Atti della Societa Italiana di Scienze Naturali* 53: 5-35, pls 11-13.
- POTTER, M.A. 1984. Deepwater prawns found in southern Queensland survey. *Aust. Fish.* 43(1): 12-14.
- RATHBUN, M.J. 1893. Scientific results of explorations by the U.S. Fish Commission Steamer Albatross. XXIV. Descriptions of new genera and species of crabs from the west coast of North America and the Sandwich Islands. *Proc. U.S. Nat. Mus.* 16(933): 223-60.
1906. The Brachyura and Macrura of the Hawaiian Islands. *Bull. U.S. Fish. Comm.* 23: 827-930.
1916. New species of crabs of the families Inachidae and Parthenopidae. (Scientific results of the Philippine cruise of the fisheries steamer 'Albatross'. 1907-1910. No. 34). *Proc. U.S. Natn. Mus.* 50: 527-59.
1918. Report on the spider crabs obtained by the F.I.S. 'Endeavour' on the coasts of Queensland, New South Wales, Victoria, South Australia and Tasmania. *Biol. Results Fish. Exp. 'Endeavour' 1909-14* 5: 1-29, figs 1-3, pls 1-15.
1923. Report on the crabs obtained by the F.I.S. 'Endeavour' on the coasts of Queensland, New South Wales, Victoria, South Australia and Tasmania. *Biol. Results fish. Exp. 'Endeavour' 1909-14* 5: 95-156, figs 1-3, pls 16-42.
- RICHARDSON, L.R. 1949. A Guide to the Oxyrhyncha, Oxystoma, and lesser crabs. *Tuatara* 2: 58-69.
- SAKAI, T. 1936. Studies on the crabs of Japan. I. Dromiacea. *Sci. Rep. Tokyo Bunrika Daigaku* (B) 3 (suppl. 1): 1-66, pls 1-9.
1937. Studies on the crabs of Japan. II. Oxystomata. *Sci. Rep. Tokyo Bunrika Daigaku* (B) 3 (suppl. 2): 67-192, pls 10-19.
1938. Studies on the crabs of Japan. III. Brachygnatha, Oxyrhyncha. (Yokendo: Tokyo). pp. 193-364, figs 55, pls 20-41.
1939. Studies on the crabs of Japan. IV. Brachygnatha, Brachyrhyncha. (Yokendo: Tokyo). pp. 365-741, pls 42-111.
- 1965a. 'The crabs of Sagami Bay'. (Maruzen: Tokyo). pp. 1-206, pls 1-100, text-figs 1-27.
- 1965b. Notes on the Carcinological fauna of Japan No. 2. *Researches on Crustacea* 2: 37-46, Frontpiece 1, text-figs 1, 2.
1969. Two new genera and twenty-two new species of crabs from Japan. *Proc. Biol. Soc. Washington* 82: 243-80.
1976. 'Crabs of Japan and the adjacent seas'. (Kodansha: Tokyo) i-xxix, 1-773, maps 3, text-figs 1-379, pls 1-251.
1978. Decapod Crustacea from the Emperor Seamount Chain. *Researches on Crustacea* 8 (supplement): 1-39, pls 1-4.
- SERÈNE, R. AND LOHAVANIJAYA, P. 1973. The Brachyura (Crustacea: Decapoda) collected by the Naga Expedition, including a review of the Homolidae. *Naga Report* 4(4): 1-186, figs 1-186, pls 1-21, map 1.
- SERÈNE, R. AND UMALI, A.F. 1972. The family Raninidae and other new and rare species of brachyuran decapods from the Philippines and adjacent regions. *Philip. J. Science* 99(1-2): 21-105 + 9 pls.
- SERÈNE, R. AND VADON, C. 1981. Crustacés Décapodes: Brachyours: Liste Préliminaire, description de formes nouvelles et remarques taxonomiques. In Résultats des campagnes MUSORSTOM I. Philippines (18-28 mars 1976), 1, 5. *Mém. ORSTOM* 91: 51-84, figs 1-3, pl. i-iv.
- SHEN, C.J. 1937. Notes on a collection of swimming crabs (Portunidae) from Singapore. *Bull. Raffles Mus., Singapore* 13: 96-139.
- STEPHENSON, W. 1961. The Australian Portunids (Crustacea: Portunidae). V. Recent collections. *Aust. Journ. mar. freshw. Res.* 12(1): 92-128, pls 1-5.
- 1972a. Portunid crabs from the Indo-West-Pacific and Western America in the Zoological Museum, Copenhagen (Decapoda, Brachyura, Portunidae). *Steenstrupia* 2: 127-56, figs 1-7.
- 1972b. An annotated check list and key to the Indo-West-Pacific swimming crabs (Crustacea: Decapoda: Portunidae). *Roy. Soc. N.Z. Bull.* 10: 1-64.
- STEPHENSON, W., HUDSON, J. AND CAMPBELL, B. 1957. The Australian Portunids (Crustacea: Portunidae). I. The genus *Charybdis*. *Aust. Journ. mar. freshw. Res.* 8(4): 491-507, pls 1-5.
- STEPHENSON, W. AND REES, M. 1968. A revision of the genus *Ovalipes* Rathbun, 1898 (Crustacea, Decapoda, Portunidae). *Rec. Aust. Mus.* 27: 213-61, figs 1-4, pls 35-41.
- TAKEDA, M. 1975. Crabs from the East China Sea. VI. A collection from off the Danjo Islands made by the R/V Hakuho Maru Cruise KH74-3. *Bull. Natn. Sci. Mus., Ser. A (Zool.)* 1(3): 137-56, figs 1-4, pls 1-3.
- TAKEDA, M. AND MIYAKE, S. 1969a. A small collection of crabs from New Zealand. *Ohmu* 2: 157-93, figs 1-7, pls 1-3.
- 1969b. Crabs from the East China Sea. III. Brachygnatha Oxyrhyncha. *J. Fac. Agr., Kyushu Univ.* 15(4): 469-521, figs 1-12, pls 17-18.
- TYNDALE-BISCOE, M. AND GEORGE, R.W. 1962. The Oxystomata and Gymnopleura (Crustacea, Brachyura) of Western Australia and one from India. *J. Roy. Soc. W.A.* 45(3): 65-96.
- WARD, M. 1933. New genera and species of marine Decapoda Brachyura from the coasts of New South Wales and Queensland. *Aust. Zool.* 7: 337-94, pls 21-3.
- WHITELEGGE, T. 1900. Crustacea, Part I — Decapoda and Stomatopoda. In Scientific Results of the Trawling Expedition of H.M.C.S. 'Thetis', off the coast of New South Wales, in February and March, 1898. *Mem. Aust. Mus.* 4: 135-99, pls 32-5.
- WOOD-MASON, J. 1891. On the Results of the Deep-sea Dredging during the season 1890-91. *Ann. Mag. Nat. Hist.* (6) 8: 253-362.
- YALDWYN, J.C. AND DAWSON, E.W. 1976. First records of the crab genera *Homola*, *Randallia*, and *Rochinia* from New Zealand (Crustacea: Decapoda: Brachyura). *Rec. Nat. Mus. N.Z.* 1(6): 91-103.
- YOKOYA, V. 1933. On the distribution of decapod crustaceans inhabiting the continental shelf around Japan, chiefly based upon the materials collected by S.S. Soyo-Maru, during the years 1923-1930. *J. Coll. Agr. Tokyo Imp. Univ.* 12: 1-226.