

**ANNOTATED CHECKLIST OF BRACHYURA (CRUSTACEA: DECAPODA)
PRINCIPALLY OBTAINED DURING THE BIOSHELF SURVEY
OFF WESTERN THAILAND FROM 1996–1998**

**Peter J.F. Davie¹, Peter K.L. Ng²,
Arwut Kaenphet³, Charatsee Aungtonya⁴**

¹*Queensland Museum, P.O. Box 3300, South Brisbane, Queensland 4101, Australia*

²*Department of Biological Sciences, National University of Singapore, 10 Kent Ridge Crescent,
Singapore 119260, Republic of Singapore*

³*The Centre for Scientific and Technological Equipment, Walailak University,
Thasala, Nakhon Si Thammarat, Thailand*

⁴*Phuket Marine Biological Center, P.O. Box 60, Phuket 83000, Thailand*

ABSTRACT

A large collection of brachyurans trawled from off the western coast of Thailand were sorted and identified. Of the 102 species, 38 appear to be new distributional records for Thailand, and a number of others are probably new to science. This highlights the poor state of knowledge of the shallow-water crustacean fauna of this part of Thailand, and of the north-eastern Indian Ocean in general.

INTRODUCTION

This contribution reports on work was undertaken during the 'International Workshop on the Biodiversity of Crustacea in the Andaman Sea and Island of Phuket, Thailand', held from 29 November to 20 December 1998. The study material was largely collected by the R.V. *Chakratong Tongyai* from the BIOSHELF project field surveys of the west coast of Thailand during the years 1996–1998, financed by the DANIDA–PMBC Scientific Cooperation Programme. The material is maintained as part of the PMBC Reference Collection. All the current study material was sourced from the Andaman Sea off the west coast of Thailand. Full details for the BIOSHELF stations is given in 'The Thai–Danish BIOSHELF surveys (1996–1998) off western Thailand part of the Andaman Sea' (Bussarawit and Aungtonya 2002). Specific collection data for additional older material is available on request from the PMBC.

To date the most important scientific study of the Brachyura of the west coast of Thailand was undertaken by the 1966 Thai–Danish Expedition, and reported on by Serène and Soh (1976). This survey differed in that it was largely based on material collected by the use of a benthic grab. The BIOSHELF survey used a variety of collecting techniques, including a bottom trawl, triangular dredge (TD), and Ockelmann Sledge (OS). Serène and Soh (1976) recorded 67 species, including four new genera and seven new species. They predicted that a 'more extensive survey would probably provide around 100 species of Brachyura, which would correspond to the brachyuran fauna of the soft bottom (sand and mud) of the continental shelf in the region.' The present study in fact recorded 102 species, and there is no doubt that more will be found.

Another important study of the Thai fauna was that by Rathbun (1909, 1910), however, her study was based on material from the Gulf of Thailand.

Rathbun recorded 205 species, but her study was based on a much broader range of habitats. The decision as to whether a species is new to the Thai fauna was based on the *Checklist of Crustacean Fauna in Thailand (Decapoda and Stomatopoda)* compiled by Phaibul Naiyanetr (1998) from published sources as well as his own records. Naiyanetr has recorded around 526 species of marine brachyurans from Thai waters, and his distributional data is an invaluable tool for assessing overall biodiversity and biogeographical influences. In the following list a subfamily classification where it exists has been adopted only when there were a sufficient number of species in the family concerned to warrant assigning the genera. For a full classification of all species known from western Thailand see Ng and Davie (2001, this volume).

ANNOTATED CHECKLIST

Dromiidae De Haan, 1833

Conchoecetes andamanicus Alcock, 1900

Material examined

PMBC 16869, 1 females, Andaman Sea, no station data.

Remarks

This is a rare species, and the present specimen, although a juvenile, conforms with the characters enumerated in McLay (1993).

Dromia dormia (Linnaeus, 1763)

Material examined

PMBC 16872, 1 males, BIOSHELF St. C3, 09°00'N, 097°43'E, trawl, 81 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16870, 1 male, BIOSHELF St. C2, 09°00'N, 097°48'E, trawl, 70 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16871, 1 female, BIOSHELF St. J2, 07°16'N, 098°49'E, trawl, 62 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16873, 1 females, BIOSHELF St. PB7, 07°45'N, 098°42'E, TD, 30 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Remarks

This species has a widespread Indo-West Pacific distribution, but has not previously been recorded from Thailand (*vide* Naiyanetr, 1998).

Homolidae Henderson, 1888

Latreillopsis tetraspinosa Dai and Chen, 1980

Material examined

PMBC 16900, 1 females, BIOSHELF St. B3, 09°15'N, 097°42'E, 80 m, TD, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16885, 1 males, BIOSHELF St. C3, 09°00'N, 097°43'E, TD, 79 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998.

Remarks

This species has been reviewed and figured by Guinot and Richer de Forges (1995). The present specimens represent a new record for Thailand. Previously recorded from China, Japan, Philippines and Indonesia. This is also the first record of a Homolidae from Thai waters.

Latreilliidae Alcock, 1899

Latreillia valida De Haan, 1835

Material examined

PMBC 16834, 4 males, 3 females, BIOSHELF St. A3, 09°31'N, 097°38'E, TD, 87 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16929, 1 males, BIOSHELF St. A3, 09°33'N, 097°38'E, trawl, 83 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16848, 6 males, 5 females, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16843, 1 male, 3 females, BIOSHELF St. C2, 09°00'N, 097°48'E, trawl, 70 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 17049, 1 male, 1 females, BIOSHELF St. C3, 09°00'N, 097°43'E, TD, 79 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 17053, 1 females, BIOSHELF St. C3, 09°00'N,

097°43'E, trawl, 81 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16923, 1 females, BIOSHELF St. D3, 08°45'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 17060, 1 females, BIOSHELF St. E3, 08°32'N, 097°46'E, TD, 79 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996.

Remarks

The genus *Latreillia* has been revised by Williams (1982). *Latreillia valida* is widespread in the Indo-West Pacific, and has been previously recorded from the nearby Mergui Archipelago. However, the present specimens represent the first formal record of the species and family for Thailand.

Raninidae De Haan, 1839

Notopoides latus Henderson, 1888

Material examined

PMBC 15358, 1 male, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998

Remarks

This is a new distributional record from Thailand, but within the known range of the species. It is rarely collected. The present specimen was taken from a much shallower depth than previously recorded (148–255 m). It has been well described and figured by Goeke (1985: 221–223).

Notosceles serratifrons (Henderson, 1893)

Material examined

PMBC 16820, 2 females, BIOSHELF St. B2, 09°15'N, 097°54'E, OS, 58 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16819, 2 males, 2 females, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16818, 1 juv., BIOSHELF St. C1, 09°00'N, 097°02'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16884, 1 juv., BIOSHELF St. F2, 08°15'N,

098°03'E, OS, 66 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 16821, 1 female, BIOSHELF St. RY1, 07°36'N, 098°19'E, TD, 55 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996.

Dorippidae Macleay, 1838

Dorippe quadridens (Fabricius, 1798)

Material examined

PMBC 16963, 1 male, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16952, 1 female, BIOSHELF St. PB3, 07°51'N, 098°32'E, TD, 33 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16948, 2 male, BIOSHELF St. PB3, 07°48'N, 098°28'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.04.1997; PMBC 16953, 1 male, 2 females, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 29 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16949, 6 males, 2 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16956, 1 male, PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16960, 1 female, BIOSHELF St. PB7, 07°45'N, 098°40'E, TD, 30 m, coll. S. Bussarawit, 22.04.1997.

Dorippoides nudipes Manning and Holthuis, 1986

Material examined

PMBC 16955, 1 female, BIOSHELF St. I20 m, 07°30'N, 099°01'E, TD, 21 m, coll. S. Bussarawit and C. Aungtonya, 03.05.1996; PMBC 16951, 12 males, 11 females, BIOSHELF St. PB3, 07°51'N, 098°32'E, TD, 33 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16962, 3 males, 3 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16954, 8 males, 4 females, BIOSHELF St. PB6, TD, 07°46'N, 098°31'E, 27 m, coll. S. Bussarawit, 22.04.1997; PMBC 16958, 4 male, 1 female, PB6, 07°45'N, 098°36'E, trawl,

coll. S. Bussarawit and C. Aungtonya, 24 m, 27.02.1998.

Remarks

This species was redescribed and figured by Holthuis and Manning (1990). They considered it to be restricted to the western Indian Ocean from the southern Red Sea south to Madagascar and South Africa, and eastward to Pakistan. The present specimens thus mark a significant easterly range extension in the Indian Ocean and a new record for Thailand.

Leucosiidae Samouelle, 1819

Subfamily Leucosiinae Miers, 1886

Leucosia anatum (Herbst, 1783)

Material examined

PMBC 16932, 1 female, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Leucosia haematosticta Adams and White, 1848

Material examined

PMBC 17068, 1 males, 1 female, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16936, 1 male, 1 female, St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Leucosia rhomboidalis De Haan, 1841

Material examined

PMBC 17064, 1 male, 3 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, coll. S. Bussarawit and C. Aungtonya, 21 m, 21.02.1998.

Remarks

A new record for Thailand.

Leucosia unidentata De Haan, 1841

Material examined

PMBC 17061, 1 male, BIOSHELF St. PB3, 07°52'N, 098°31'E, TD, 22 m, coll. S. Bussarawit, 23.04.1997.

Remarks

A new record for Thailand.

Subfamily Eballiinae Stimpson, 1871

Drachiella morum (Alcock, 1896)

Material examined

PMBC 17065, 1 juv., BIOSHELF St. A1, 09°30'N, 097°57'E, OS, 46 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16940, 1 male, BIOSHELF St. B2, 09°15'N, 097°54'E, OS, 58 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998.

Ebalia glans (Alcock, 1896)

Material examined

PMBC 16945, 1 male, BIOSHELF St. I3, 07°33'N, 098°19'E, OS, 68 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1998; PMBC 17071, 1 male, BIOSHELF St. K2, 07°00'N, 099°04'E, OS, 53 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Remarks

This species was previously listed from the west coast of Thailand by Serène and Soh (1976: 13) as *Randallia glans*. It has been discussed and figured by Chen (1989: 187, fig. 2, pl. 2, figs 2, 3) who transferred it from *Randallia* to *Ebalia*. It is distributed from India to the Philippines and north to Japan.

Nuciops modesta (Ihle, 1918)

Material examined

PMBC 16938, 1 female, BIOSHELF St. G2, 07°59'N, 098°08'E, OS, 72 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16942, 1 male, BIOSHELF St. H1, 07°46'N, 098°16'E, OS, 40 m, coll. S. Bussarawit and C. Aungtonya,

20.02.1998; PMBC 16920, 2 male, 1 juv., BIOSHELF St. K1, 07°00'N, 099°15'E, OS, 45 m, coll. S. Bussarawit and C. Aungtonya, 06.05.1996; PMBC 16919, 1 male, BIOSHELF St. K1, 07°00'N, 099°16'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Subfamily Philyrinae Rathbun, 1937

Arcania quinquespinosa Alcock and Anderson,
1894

Material examined

PMBC 17063, 1 male, BIOSHELF St. C1, 09°01'N, 098°03'E, OS, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 17048, 1 male, BIOSHELF St. C1, 09°00'N, 098°02'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16935, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 17067, 1 female, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Remarks

First described from the Madras coast of India this species is wide-ranging in the Indian Ocean from the Red Sea, Persian Gulf, India, Sri Lanka and Laccadive Islands. Also known north to Japan in the Pacific. A new record for Thailand.

Arcania undecimspinosa (De Haan, 1841)

Material examined

PMBC 16931, 1 male, BIOSHELF St. I3, 07°33'N, 098°19'E, OS, 68 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1998; PMBC 17052, 1 male, BIOSHELF St. J2, 07°16'N, 098°49'E, trawl, 62 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998.

Iphiculus spongiosus Adams and White, 1848

Material examined

PMBC 17069, 2 juv., BIOSHELF St. C2, 09°00'N, 097°56'E, OS, 60 m, coll. S. Bussarawit and C.

Aungtonya, 17.02.1998; PMBC 16943, 1 male, BIOSHELF St. J2, 07°15'N, 098°51'E, OS, 61 m, coll. S. Bussarawit and C. Aungtonya, 04.05.1996; PMBC 16941, 1 male, 1 female, BIOSHELF St. J2, 07°16'N, 098°49'E, trawl, 62 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16922, 1 male, BIOSHELF St. L1, 06°49'N, 099°21'E, OS, 39 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Ixa pulcherrima (Haswell, 1879)

Material examined

PMBC 17057, 1 juv., BIOSHELF St. A2, 09°32'N, 097°50'E, OS, 66 m, coll. S. Bussarawit and C. Aungtonya, 18.04.1996; PMBC 17058, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16927, 1 male, BIOSHELF St. PB7, 07°45'N, 098°41'E, BC, 29 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1997.

Remarks

This species seems to have had a rather confused synonymy. Serène and Lohavanijaya (1973: 40–41, pl. 6A) felt that this species (and its allies which they included in its synonymy), was doubtfully referred to *Ixa* Leach, although Chen (1989: 225–226, pl. 6, figs 4, 5) considered their material to belong to *I. investigatoris* Chopra, 1933. Chen (1989) felt that the only two definite localities were northern Australia and Philippines. The present specimens are a new record for Thailand.

Ixoides cornutus MacGilchrist, 1905

Material examined

PMBC 17051, 1 male, BIOSHELF St. G1, 07°59'N, 098°14'E, TD, 43 m, coll. S. Bussarawit and C. Aungtonya, 24.04.1996.

Remarks

First described from the Persian Gulf, this species has also been recorded in the Western Pacific from eastern Australia north to Japan. A new record for Thailand.

Myra acutidens Ihle, 1918**Material examined**

PMBC 17059, 1 female, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Remarks

A new record for Thailand. Most recently recorded from northern Papua New Guinea by Ovaere (1986).

Myra elegans Bell, 1855**Material examined**

PMBC 17062, 1 male, BIOSHELF St. K1, 07°00'N, 099°16'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 17072, 1 male, BIOSHELF St. K2, 07°00'N, 099°04'E, OS, 53 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Myra fugax (Fabricius, 1798)**Material examined**

PMBC 17073, 1 female, BIOSHELF St. A1, 09°30'N, 097°56'E, TD, 49 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16926, 1 female, BIOSHELF St. J1, 07°45'N, 099°03'E, TD, 42 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16934, 1 male, 1 female, BIOSHELF St. L1, 06°49'N, 099°21'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 17066, 1 male, BIOSHELF St. PB4, 07°52'N, 098°41'E, TD, 33 m, coll. S. Bussarawit, 22.04.1997; PMBC 16947, 1 male, BIOSHELF St. NBD, 07°44'N, 098°24'E, OS, 40 m, coll. N. Bruce and G. Dinesen, 09.12.1997.

Nursilia tonsor Alcock, 1896**Material examined**

PMBC 16930, 1 male, BIOSHELF St. F2, 08°15'N, 098°03'E, OS, 66 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 16924, 1 male, BIOSHELF St. J2, 07°15'N, 098°48'E, OS, 61 m, coll. S. Bussarawit and C. Aungtonya, 04.05.1996.

Pariphiculus mariannae (Herklots, 1852)**Material examined**

PMBC 16944, 1 male, BIOSHELF St. G2, 08°01'N, 098°10'E, TD, 61 m, coll. S. Bussarawit and C. Aungtonya, 23.04.1996; PMBC 17088, 1 male, 2 females, BIOSHELF St. J1, 07°15'N, 099°03'E, TD, 42 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16928, 1 male, BIOSHELF St. J2, 07°15'N, 098°51'E, TD, 62 m, coll. S. Bussarawit and C. Aungtonya, 04.05.1996; PMBC 17055, 1 female, BIOSHELF St. K1, 07°00'N, 099°15'E, TD, 42 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Randallia eburnea Alcock, 1896**Material examined**

PMBC 17070, 2 males, BIOSHELF St. F3, 08°15'N, 097°58'E, TD, 78 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 17087, 4 males, 5 females, BIOSHELF St. G3, 07°58'N, 098°02'E, TD, 79 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16939, 1 male, BIOSHELF St. H2, 07°46'N, 098°14'E, TD, 57 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998.

Subfamily Cryptocneminae Stimpson, 1907
Cryptocnemus siamensis SerHne and Soh, 1976**Material examined**

PMBC 16933, 1 female, BIOSHELF St. PB6, 07°43'N, 098°33'E, OS, 37 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Remarks

Previously known from the Gulf of Thailand, this specimen represents a new distributional record for the Andaman Sea.

Calappidae De Haan, 1833***Calappa clypeata*** (Borradaile, 1903)**Material examined**

PMBC 16823, 1 juv., BIOSHELF St. H1, 07°45'N, 098°16'E, OS, 31 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996; PMBC 16817, 1 female, BIOSHELF St. L1, 06°49'N, 099°21'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16828, 1 female, BIOSHELF St. PB3, 07°48'N, 098°28'E, trawl, 21 m, coll. S. Bussarawit, 21.04.1997; PMBC 16814, 1 male, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16827, 1 female, BIOSHELF St. PB7, 07°45'N, 098°40'E, TD, 30 m, coll. S. Bussarawit, 22.04.1997.

Remarks

Widespread in the Indo-West Pacific from eastern Africa to Japan, Philippines and New Caledonia (see Galil, 1997), but as far as we know, a new record for Thailand.

Calappa capellonis Laurie, 1906**Material examined**

PMBC 16811, 2 males, 3 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16816, 2 males, 13 juv., St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Remarks

Originally described from Sri Lanka, this is a widespread species in the Indo-West Pacific from Seychelles and Madagascar to South China Sea, Japan and New Caledonia, but has not previously been formally recorded from Thailand (see Galil, 1997).

Calappa gallus (Herbst, 1803)**Material examined**

PMBC 14606, 1 male, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996.

Calappa hepatica (Linnaeus, 1758)**Material examined**

PMBC 17110, 2 males, 1 female, Andaman Sea, no station data, 24.12.1971.

Calappa lophos (Herbst, 1785)**Material examined**

PMBC 16809, 1 female, BIOSHELF St. A3, 09°31'N, 097°38'E, TD, 87 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16810, 1 female, BIOSHELF St. J3-J2, 07°14'N, 098°37'E, trawl, 76 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16824, 2 juv., BIOSHELF St. H3, 07°46'N, 097°58'E, trawl, 80 m, coll. S. Bussarawit, 08.04.1997; PMBC 17127, 1 female, off Rak Island, trawl, 74 m, 15.03.1989.

Calappa bilineata Ng, Lai and Aungtonya, 2001**Material examined**

PMBC 14609, 1 male, outside Phuket, no station data, 28.08.1973; PMBC 17029, 1 male, off Surin Island, 25 m, 01.06.1985; PMBC 14607, 1 female, BIOSHELF St. A3, 09°31'N, 097°38'E, TD, 87 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 17090, 1 male, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 29 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 14610, 1 male, 1 juv., BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 14608, 1 male, 3 female, Andaman Sea, no station data.

Calappa pustulosa Alcock, 1896**Material examined**

PMBC 14612, 1 female, off Rak Island, trawl, 74 m, 15.03.1989; PMBC 17114, 1 female, Myanmar waters, trawl, 115-135 m, 09.11.1989; PMBC 14613, 2 juv., BIOSHELF St. H3, 07°46'N, 097°58'E, trawl, 80 m, coll. S. Bussarawit and C. Aungtonya, 08.04.1997; PMBC 14611, 1 female, BIOSHELF St. J3-J2, 07°14'N, 098°37'E, trawl, 76 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998.

Remarks

Recorded from India, Philippines, China and Japan (Galil, 1997); a new record for Thailand.

Calappa undulata Dai, 1991**Material examined**

PMBC 16813, 1 female, BIOSHELF St. F2, 08°15'N, 098°04'E, TD, 59 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 16825, 1 female, BIOSHELF St. J2, 07°15'N, 098°51'E, TD, 62 m, coll. S. Bussarawit and C. Aungtonya, 04.05.1996.

Matutidae Alcock, 1896*Izanami curtispina* (Miers, 1886)**Material examined**

PMBC 16815, 1 male, BIOSHELF St. A3, 09°33'N, 097°38'E, trawl, 83 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16822, 1 female, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16826, 29 females, BIOSHELF St. I3, 07°30'N, 098°10'E, TD, 78 m, coll. S. Bussarawit and C. Aungtonya, 02.05.1996; PMBC 16812, 4 female, M/V Paknam, trawl, 76 m, 17.03.1989.

Remarks

Widespread in the Indo-West Pacific from Madagascar, Arafura Sea, China Sea and Japan (see Galil and Clark, 1994: 28). Within the known range but a new record for Thailand.

Majidae Samouelle, 1819**Subfamily Majinae** Samouelle, 1819*Chlorinoides longispinus* (De Haan, 1839)**Material examined**

PMBC 16623, 2 females, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996.

Schizophrys aspera (H. Milne Edwards, 1834)**Material examined**

PMBC 16632, 1 female, BIOSHELF St. K2, 07°00'N, 099°04'E, trawl, 52 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Subfamily Pisinae Dana, 1851*Doclea armata* (De Haan, 1839)**Material examined**

PMBC 16638, 2 males, BIOSHELF St. PB1, 07°59'N, 098°29'E, TD, 14 m, coll. S. Bussarawit and C. Aungtonya, 23.04.1997; PMBC 16621, 1 female, BIOSHELF St. PB4, 07°52'N, 098°41'E, TD, 33 m, coll. S. Bussarawit, 22.04.1997.

Remarks

Previously recorded from the Gulf of Thailand (Naiyanetr, 1998); this is a new record for Thailand's Andaman coast.

Hyastenus aries (Latreille, 1825)**Material examined**

PMBC 16640, 2 males, BIOSHELF St. C2, 09°01'N, 097°53'E, trawl, 64 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16631, 3 males, 1 female, BIOSHELF St. C2, 09°00'N, 097°48'E, trawl, 70 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16639, 1 female, BIOSHELF St. PB3, 07°48'N, 098°28'E, trawl, 21 m, coll. S. Bussarawit, 21.04.1997; PMBC 16618, 1 female, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Phalangipus hystrix (Miers, 1886)**Material examined**

PMBC 16622, 1 male, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16620, 1 male, BIOSHELF St. F2, 08°15'N, 098°03'E, TD, 59 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 16635, 3 males, BIOSHELF St. F3, 08°15'N, 097°58'E, TD, 78 m, coll. S. Bussarawit

and C. Aungtonya, 16.02.1998; PMBC 16627, 1 male, BIOSHELF St. I3, 07°33'N, 098°19'E, TD, 70 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1998; PMBC 16628, 2 male, BIOSHELF St. I3-I2, 07°33'N, 098°19'E, OS, 55 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1998; PMBC 16626, 1 male, 1 female, BIOSHELF St. RN3, 07°30'N, 098°18'E, TD, 70 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996.

Remarks

This species is widespread throughout the Indo-West Pacific, but apparently not previously recorded from Thailand (see Griffin, 1973; Griffin and Tranter, 1986).

Phalangipus longipes (Linnaeus, 1767)

Material examined

PMBC 16643, 1 male, BIOSHELF St. PB3, 07°48'N, 098°31'E, OS, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16642, 2 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16634, 1 male, 2 females, BIOSHELF St. PB4, 07°52'N, 098°41'E, TD, 33 m, coll. S. Bussarawit, 22.04.1997; PMBC 16624, 1 male, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 29 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16636, 1 male, BIOSHELF St. PB6, 07°44'N, 098°33'E, TD, 34 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16619, 2 male, 1 female, St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16637, 2 males, 1 female, BIOSHELF St. PB7, 07°45'N, 098°40'E, TD, 30 m, coll. S. Bussarawit, 22.04.1997; PMBC 16625, 1 male, 1 female, BIOSHELF St. NBA, 07°37'N, 098°17'E, OS, 50 m, coll. N. Bruce and G. Dinesen, 23.11.1997; PMBC 16641, 1 female, BIOSHELF St., NBD, 07°44'N, 098°24'E, OS, 40 m, coll. N. Bruce and G. Dinesen, 09.12.1997.

Parthenopidae Macleay, 1838

Subfamily Parthenopinae Macleay, 1838

Aulacolambrus hoplonotus (Adams and White, 1848)

Material examined

PMBC 16897, 3 males, 1 female BIOSHELF St. C1, 09°01'N, 098°03'E, OS, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16904, 3 juvs, BIOSHELF St. C1, 09°00'N, 098°02'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16903, 1 male, St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Aulacolambrus whitei (A. Milne Edwards, 1878)

Material examined

PMBC 16916, 1 male, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1996.

Parthenope longimanus (Linnaeus, 1764)

Material examined

PMBC 16898, 2 juvs, BIOSHELF St. A3, 09°33'N, 097°38'E, trawl, 83 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16892, 1 male, BIOSHELF St. D1, 08°45'N, 098°05'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16912, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16886, 2 male, 2 females, BIOSHELF St. PB3, 07°48'N, 099°28'E, trawl, 21 m, coll. S. Bussarawit, 21.04.1997; PMBC 16890, 1 male, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 28 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16888, 5 males, 2 female, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16910, 1 male, 1 female, BIOSHELF St. PB6, 07°44'N, 098°33'E, TD, 34 m, coll. S. Bussarawit and C. Aungtonya,

21.02.1998; PMBC 16887, 10 male, 4 females, St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16889, 1 female, BIOSHELF St. PB7, 07°45'N, 098°40'E, TD, 30 m, coll. S. Bussarawit, 22.04.1997; PMBC 16893, 1 female, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16914, 1 female, BIOSHELF St. NBD, 07°44'N, 098°24'E, OS, 40 m, coll. N. Bruce and G. Dinesen, 09.12.1997.

Rhinolambrus pelagicus

Material examined

PMBC 16917, 2 males, BIOSHELF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16907, 1 female, St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Rhinolambrus sisimanensis Serène and Umali, 1972

Material examined

PMBC 16915, 2 males, BIOSHELF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16894, 1 male, 6 juv. BIOSHELF St. C1, 09°00'N, 098°02'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16905, 2 males, BIOSHELF St. D1, 08°45'N, 098°05'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16896, 1 juv., BIOSHELF St. E20 m, 08°29'N, 098°12'E, TD, 20 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16902, 2 males, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16911, 1 male, BIOSHELF St. L1, 06°49'N, 099°21'E, OS, 39 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16913, 1 female, BIOSHELF St. L3, 06°46'N, 098°45'E, OS, 83 m, coll. S. Bussarawit and C. Aungtonya, 05.05.1996; PMBC 16918, 1 male, BIOSHELF St. PB6, 07°43'N, 098°33'E, OS, 37 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16908, 3 females, St. PB6,

07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Remarks

Previously known from Sisiman Bay, Philippines (type locality), and the Gulf of Carpentaria, Australia. These records are the first for Thailand waters, and mark a considerable westerly range extension into the Indian Ocean. Bathymetric range: 6–54 m (see Davie and Turner, 1994).

Subfamily Cryptopodiinae Stimpson, 1871

Cryptopodia collifer Flipse, 1930

Material examined

PMBC 16906, 1 female, BIOSHELF St. A3, 09°33'N, 097°38'E, trawl, 83 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996.

Remarks

This species has been recently redescribed by Chiong and Ng (1998). It is a rarely collected species only known previously from the type locality off southern Sulawesi, Indonesia, and from southern China. These specimens are thus a new record for Thailand, and a significant westerly range extension of the species into the eastern Indian Ocean.

Cryptopodia fornicata (Fabricius, 1781)

Material examined

PMBC 16909, 1 male, BIOSHELF St. PB2, 08°00'N, 098°39'E, BC, 17 m, coll. S. Bussarawit, 22.04.1997.

Cryptopodia pan Laurie, 1906

Material examined

PMBC 16901, 1 female, BIOSHELF St. H3, 07°46'N, 097°58'E, TD, 71 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996.

Remarks

This species has been recently redescribed by

Chiong and Ng (1998). It is widespread in the Indo-West Pacific and has been recorded from the Seychelles, Gulf of Manaar, north-western Australia, Macclesfield Bank, New Caledonia, and the Nansha Islands in the South China Sea. This specimen represents a new record for Thailand.

Corystidae Samouelle, 1819

Jonas formosae (Balss, 1922)

Material examined

PMBC 16829, 2 females, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Remarks

The species of this distinctive genus are poorly known and currently under revision by the second author. *Jonas formosae* was originally described from Taiwan; the present specimen marks a significant westerly range extension and is a new record for Thai waters.

Portunidae Rafinesque, 1815

Subfamily Portuninae Rafinesque, 1815

Lupocyclus philippinensis Semper, 1880

Material examined

PMBC 16688, 1 male, BIOSHELF St. D1, 08°45'N, 098°05'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16761, 1 male, BIOSHELF St. F3, 08°15'N, 097°58'E, TD, 78 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998.

Remarks

This species is widely distributed in the Indo-West Pacific, with records from Madagascar east to northern Australia and north to Philippines and Japan. The present specimens are the first record for Thai waters, although previously recorded from the nearby Andaman Islands. Bathymetric range: 50–100 m (Sakai, 1976).

Lupocyclus rotundatus Adams and White, 1848

Material examined

PMBC 16800, 1 male, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16774, 1 male, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16672, 1 female, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Portunus argentatus (A. Milne Edwards, 1861)

Material examined

PMBC 16744, 1 female, BIOSHELF St. A1, 09°30'N, 097°57'E, trawl, 43 m, coll. S. Bussarawit and C. Aungtonya, 18.04.1996; PMBC 16709, 1 male, BIOSHELF St. A1, 09°30'N, 097°56'E, TD, 49 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16665, 3 males, 3 females, BIOSHELF St. A3, 09°31'N, 097°38'E, TD, 87 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16767, 2 females, BIOSHELF St. A3, 09°33'N, 097°38'E, trawl, 83 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16772, 5 males, 1 female, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16734, 1 male, 2 females, BIOSHELF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16770, 2 males, 3 females, BIOSHELF St. C2, 09°00'N, 097°48'E, 70 m, trawl, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16687, 1 male, BIOSHELF St. C3, 09°00'N, 097°43'E, TD, 79 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16701, 3 males, BIOSHELF St. D1, 08°45'N, 098°05'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 12.02.1998; PMBC 16704, 1 female, BIOSHELF St. D3, 08°45'N, 097°43'E, OS, 80 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16661, 22 males, 23 females, BIOSHELF St. D3, 08°45'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16707, 1 male, BIOSHELF St. E20, 08°30'N, 098°12'E, OS, 20 m, 22.04.1996;

PMBC 16727, 1 male, BIOSHELF St. E20 m, 08°29'N, 098°12'E, TD, 20 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16670, 2 male, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16702, 1 female, BIOSHELF St. F3, 08°15'N, 097°58'E, TD, 78 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 16690, 1 female, BIOSHELF St. G1, 08°00'N, 098°13'E, TD, 46 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16691, 2 males, 1 female, BIOSHELF St. G3, 07°58'N, 098°02'E, TD, 79 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16763, 1 female, BIOSHELF St. J3-J2, 07°14'N, 098°37'E, trawl, 76 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16739, 40 juv., BIOSHELF St. RN1, 07°30'N, 098°22'E, OS, 64 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996; PMBC 16717, 1 male, 1 female, BIOSHELF St. PB3, 07°51'N, 098°32'E, TD, 33 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16758, 1 male, 5 females, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 28 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16714, 1 male, BIOSHELF St. PB6, 07°43'N, 098°33'E, OS, 37 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16789, 1 male, BIOSHELF St. PB6, 07°44'N, 098°33'E, TD, 34 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16666, 1 male, 2 females, PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16645, 48 males, 25 females, BIOSHELF St. PB7-6, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16736, 1 female, BIOSHELF St. NBC, 07°43'N, 098°24'E, OS, 45 m, coll. N. Bruce and G. Dinesen, 03.12.1997.

Portunus gracilimanus (Stimpson, 1858)

Material examined

PMBC 16793, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16689, 1 male, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya,

22.04.1996; PMBC 16648, 1 male, 1 female, BIOSHELF St. PB 3-4, 07°51'N, 097°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16782, 1 female; BIOSHELF St. PB6, 07°44'N, 098°33'E, TD, 34 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16733, 3 males, 1 female, PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16742, 1 female, BIOSHELF St. PB7, 07°45'N, 098°40'E, TD, 30 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1997; PMBC 16728, 1 female, BIOSHELF St. NBD, 07°44'N, 098°24'E, OS, 40 m, coll. N. Bruce and G. Dinesen, 09.12.1997.

Portunus haanii (Stimpson, 1858)

Material examined

PMBC 16683, 1 male, BIOSHELF St. D1, 08°45'N, 098°05'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16659, 3 males, 1 female, BIOSHELF St. PB3, 08°48'N, 098°28'E, trawl, 21 m, coll. S. Bussarawit, 21.04.1997; PMBC 16647, 1 male, 3 female, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16765, 1 male, 4 females, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 28 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16657, 1 female, BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16743, 1 male, 1 female, BIOSHELF St. PB7, 08°45'N, 098°42'E, 30 m, TD, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16644, 9 males, 8 females, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, 21.02.1998.

Remarks

Previously recorded from both eastern and western coasts of Thailand as *Portunus gladiator* (Fabricius, 1798). *P. gladiator (sensu lato)* consisted of a complex of closely related species and was revised by Stephenson and Cook (1973), although there are indications that there is actually more than one species.

Portunus hastatoides (Fabricius, 1798)**Material examined**

PMBC 16738, 1 female, BIOSHELF St. I20 m, 07°30'N, 099°01'E, TD, 21 m, coll. S. Bussarawit and C. Aungtonya, 03.05.1996; PMBC 16663, 3 males, 8 females, BIOSHELF St. PB1, 07°59'N, 098°29'E, TD, 14 m, coll. S. Bussarawit, 23.04.1997; PMBC 16741, 1 female, BIOSHELF St. PB2, 08°00'N, 098°38'E, TD, 15 m, coll. S. Bussarawit, 22.04.1997; PMBC 16673, 1 male, BIOSHELF St. PB3, 07°51'N, 098°34'E, OS, 28 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16762, 13 males, 36 females, BIOSHELF St. PB3, 07°51'N, 098°32'E, TD, 33 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16669, 7 males, 19 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit, 21.02.1998.

Portunus orbitosinus Rathbun, 1911**Material examined**

PMBC 16713, 1 male, 1 female, BIOSHELF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16788, 1 female, BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Portunus pelagicus (Linnaeus, 1758)**Material examined**

PMBC 16654, 1 female, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Portunus pulchricristatus (Gordon, 1931)**Material examined**

PMBC 16680, 1 female, BIOSHELF St. G1, 08°00'N, 098°14'E, OS, 43 m, coll. S. Bussarawit and C. Aungtonya, 24.04.1996; PMBC 16753, 1 male, 1 female, BIOSHELF St. K1, 07°00'N, 099°15'E, OS, 45 m, 06.05.1996; PMBC 16780, 1 male, BIOSHELF St. L1, 06°45'N, 099°21'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya,

06.05.1996; PMBC 16786, 1 juv., BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16710, 2 males, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Portunus rugosus (A. Milne Edwards, 1861)**Material examined**

PMBC 16674, 1 female, BIOSHELF St. RY2, 07°39'N, 098°24'E, TD, 43 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996; PMBC 16696, 3 males, 2 female, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, 21.02.1998.

Remarks

Stephenson and Rees (1967) recognised two forms, and the present material agrees closely with the description of their 'form 1'. This is a new distributional record for western Thailand. Previously known from New Caledonia, Australia (Western Australia and Torres Strait), Malaysian area, and the Philippines, at depths of 18–20 metres.

Portunus tenuipes (De Haan, 1835)**Material examined**

PMBC 16692, 1 male, 1 female, BIOSHELF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16791, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, 22.04.1996; PMBC 16706, 1 male, BIOSHELF St. PB7, 07°45'N, 098°40'E, TD, 30 m, coll. S. Bussarawit, 22.04.1997.

Portunus tuberculosis (A. Milne Edwards, 1861)**Material examined**

PMBC 16785, 1 male, 1 female, BIOSHELF St. E2, 08°31'N, 098°00'E, OS, 60 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16700, 1 female, BIOSHELF St. G1, 07°59'N, 098°14'E, TD, 43 m, coll. S. Bussarawit and C. Aungtonya, 24.04.1996; PMBC 16802, 1 male, BIOSHELF St. G1, 08°00'N, 098°12'E, OS, 49 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998;

PMBC 16790, 1 female, BIOSHELFF St. G1, 08°00'N, 098°13'E, TD, 46 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16715, 1 female, BIOSHELFF St. J2, 07°16'N, 098°49'E, trawl, 62 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16695, 2 male, BIOSHELFF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16749, 2 males, 1 female, BIOSHELFF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16697, 5 males, BIOSHELFF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Subfamily Caphyrinae Paulson, 1875

Lissocarcinus laevis Miers, 1886

Material examined

PMBC 16679, 1 male, 2 females, BIOSHELFF St. A3, 09°33'N, 097°38'E, trawl, 83 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16795, 1 male, BIOSHELFF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16754, 1 female, BIOSHELFF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16699, 1 male, BIOSHELFF St. F2, 08°15'N, 098°03'E, OS, 66 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 16798, 1 female, BIOSHELFF St. G1, 08°00'N, 098°12'E, OS, 49 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16804, 3 males, BIOSHELFF St. I3-I2, 07°33'N, 098°19'E, OS, 55 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1998; PMBC 16784, 1 juv., BIOSHELFF St. RN1, 07°30'N, 098°22'E, OS, 64 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996; PMBC 16752, 2 male, 1 female, BIOSHELFF St. PB6, 07°43'N, 098°33'E, OS, 37 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16716, 1 female, BIOSHELFF St. PB7, 07°45'N, 098°42'E, TD, 30 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Remarks

This species is widely distributed in the Indo-West Pacific, with records from Southern Africa, Madagascar, north-western Australia and Japan. The present specimens are the first record for Thai waters. Bathymetric range: 30–85 m (Sakai, 1976).

Lissocarcinus polybioides Adams and White, 1848

Material examined

PMBC 16723, 1 male, 2 females, BIOSHELFF St. C1, 09°01'N, 098°03'E, OS, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16794, 1 male, 1 female, BIOSHELFF St. PB6, 07°43'N, 098°33'E, OS, 37 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16684, 1 female, BIOSHELFF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998; PMBC 16682, 1 female, BIOSHELFF St. NBD, 07°44'N, 098°24'E OS, 40 m, coll. N. Bruce and G. Dinesen, 09.12.1997.

Remarks

This species is widely distributed in the Indo-West Pacific, with records from the Seychelles east to northern Australia and north to Japan. The present specimens are the first record for Thai waters, although previously recorded from the nearby Andaman Islands. Bathymetric range: 30–100 m (Sakai, 1976).

Subfamily Thalamitinae Paulson, 1875

Charybdis granulata De Haan, 1835

Material examined

PMBC 16646, 1 female, BIOSHELFF St. A3, 09°31'N, 097°38'E, TD, 87 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996.

Remarks

This species has been redescribed and illustrated by Wee and Ng (1995). It is widely distributed in the Indo-West Pacific with records from East Africa, Singapore, Hong Kong and Japan. The present specimen is a new record for Thai waters. Bathymetric range: 15–35 m.

Charybdis feriatius (Linnaeus, 1758)**Material examined**

PMBC 16747, 1 male, BIOSHELF St. J3-J2, 07°14'N, 098°37'E, trawl, 76 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16651, 1 female, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16760, 1 male, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 28 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16685, 1 male, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Charybdis hongkongensis Shen, 1934**Material examined**

PMBC 16718, 1 male, BIOSHELF St. A1, 09°30'N, 097°57'E, OS, 46 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16705, 2 female, BIOSHELF St. A1, 09°30'N, 097°56'E, TD, 49 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16662, 2 males, 5 females, BIOSHELF St. B1, 09°15'N, 098°02'E, TD, 43 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16746, 1 female, BIOSHELF St. C2, 09°00'N, 097°55'E, TD, 61 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16769, 1 male, 1 female, BIOSHELF St. F2, 08°15'N, 098°03'E, OS, 66 m, coll. S. Bussarawit and C. Aungtonya, 16.02.1998; PMBC 16671, 1 male, BIOSHELF St. H2, 07°46'N, 098°14'E, TD, 57 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16668, 2 males, BIOSHELF St. I20 m, 07°30'N, 099°01'E, OS, 21 m, coll. S. Bussarawit and C. Aungtonya, 03.05.1996; PMBC 16750, 1 female, BIOSHELF St. I1, 07°30'N, 098°55'E, OS, 42 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1998; PMBC 16751, 1 male, BIOSHELF St. J1, 07°15'N, 099°03'E, TD, 42 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16775, 1 female, BIOSHELF St. J2, 07°15'N, 098°51'E, OS, 61 m, coll. S. Bussarawit and C. Aungtonya, 04.05.1996; PMBC 16655, 1 male, 3 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit

and C. Aungtonya, 21.02.1998; PMBC 16776, 2 males, BIOSHELF St. PB6, 07°44'N, 098°33'E, TD, 34 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16721, 1 male, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Charybdis miles De Haan, 1835**Material examined**

PMBC 16658, 1 female, BIOSHELF St. A2, 09°32'N, 097°50'E, OS, 66 m, coll. S. Bussarawit and C. Aungtonya, 18.04.1996; PMBC 16649, 1 male, 1 female, BIOSHELF St. C2, 09°00'N, 097°48'E, trawl, 70 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16773, 3 males, BIOSHELF St. C2, 09°00'N, 097°48'E, trawl, 70 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16665, 1 male, 1 female, BIOSHELF St. J2, 07°16'N, 098°49'E, trawl, 62 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998.

Charybdis natator (Herbst, 1794)**Material examined**

PMBC 16698, 1 male, BIOSHELF St. PB3, 07°48'N, 098°28'E, trawl, 21 m, coll. S. Bussarawit, 21.02.1997; PMBC 16737, 1 male, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 28 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Charybdis truncata (Fabricius, 1798)**Material examined**

PMBC 16712, 1 female, BIOSHELF St. I20 m, 07°30'N, 099°01'E, TD, 21m, coll. S. Bussarawit and C. Aungtonya, 03.05.1996; PMBC 16759, 3 males, 1 female, BIOSHELF St. PB3, 07°51'N, 098°32'E, TD, 33 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16660, 9 males, 6 females, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16686, 1 female, BIOSHELF St. PB6, 07°46'N, 098°30'E, TD, 27 m, coll. S. Bussarawit, 22.04.1997; PMBC 16724, 1 male,

BIOSHelf St. PB8, 07°44'N, 098°51'E, TD, 22 m, coll. S. Bussarawit, 22.04.1997.

Charybdis variegata (Fabricius, 1798)

Material examined

PMBC 16667, 3 female, BIOSHELF St. PB3, 07°51'N, 098°32'E, TD, 33 m, 09°01'N, 098°03'E, 21.02.1998; PMBC 16678, 1 male, 1 female, BIOSHELF St. PB3-4, 07°51'N, 098°37'E, trawl, 21 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16677, 1 male, BIOSHELF St. PB4, 07°52'N, 098°40'E, TD, 28 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Thalamita muusi SerHne and Soh, 1976

Material examined

PMBC 16806, 1 male, BIOSHELF St. C1, 09°00'N, 098°02'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16805, 1 juv., BIOSHELF St. C2, 09°00'N, 097°56'E, OS, 60 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16792, 1 male, BIOSHELF St. D1, 08°45'N, 098°05'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16803, 1 male, BIOSHELF St. J2, 07°16'N, 098°49'E, trawl, 62 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16807, 2 males, 1 female, BIOSHELF St. L1, 06°49'N, 099°21'E, OS, 39 m coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16722, 4 males, BIOSHELF St. RN1, 07°30'N, 098°22'E, OS, 64 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996.

Thalamita sexlobata Miers, 1886

Material examined

PMBC 16781, 1 female, BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Thalamita sima H. Milne Edwards, 1834

Material examined

PMBC 16719, 1 male, 1 female, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Thalamita spinifera Borradaile, 1902

Material examined

PMBC 16732, 1 male, BIOSHELF St. A3, 09°33'N, 097°38'E, trawl, 83 m, coll. S. Bussarawit and C. Aungtonya, 19.04.1996; PMBC 16731, 3 males, 2 females, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16757, 1 female, BIOSHELF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16797, 1 male, 2 females, BIOSHELF St. C1, 09°00'N, 098°02'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16778, 1 female, BIOSHELF St. D1, 08°45'N, 098°05'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 19.02.1998; PMBC 16730, 1 male, 1 juv., BIOSHELF St. H3, 07°46'N, 078°58'E, TD, 71 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996; PMBC 16801, 1 male, BIOSHELF St. L1, 06°49'N, 099°21'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16799, 2 males, BIOSHELF St. RY2, 07°40'N, 098°24'E, OS, 44 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996; PMBC 16783, 1 female, BIOSHELF St. PB6, 07°44'N, 098°33'E, TD, 34 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16694, 2 males, BIOSHELF St. PB7, 07°44'N, 098°40'E, trawl, 32 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998; PMBC 16681, 1 female, BIOSHELF St. H3, 07°46'N, 097°58'E, trawl, 80 m, coll. S. Bussarawit, 08.04.1997.

Subfamily Podophthalminae Borradaile, 1907

Podophthalmus nacreus Alcock, 1899

Material examined

PMBC 16756, 1 female, BIOSHELF St. NBB, 07°40'N, 098°20'E, OS, 60 m, coll. N. Bruce and G. Dinesen, 27.11.1997.

Remarks

Although originally described from the Andaman Sea, this rather uncommon species has apparently not previously been recorded from Thai

territorial waters. It is also known from east India, Gulf of Martaban, and north to Japan in the Western Pacific. Bathymetric range: 35–50 m (Sakai, 1976).

Podophthalmus vigil (Fabricius, 1798)

Material examined

PMBC 16676, 1 male, BIOSHELF St. G1, 07°59'N, 098°14'E, TD, 43 m, coll. S. Bussarawit and C. Aungtonya, 24.04.1996.

Xanthidae Macleay, 1838

Gaillardiellus orientalis Odhner, 1925

Material examined

PMBC 16879, 1 female, BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Remarks

This species is quite common in shallow waters in many parts of South-East Asia. It is, however, a new record, for Thailand.

Nanocassiope alcocki (Rathbun, 1902)

Material examined

PMBC 16878, 1 male, 1 female, BIOSHELF St. C5, 09°01'N, 097°27'E, TD, 191 m, coll. S. Bussarawit and C. Aungtonya, 21.04.1996.

Remarks

N. alcocki was previously known only from the western Indian Ocean; the present record marks a significant easterly range extension. The genus has been most recently discussed by Davie (1995).

Pilumnidae Samouelle, 1819

Subfamily Pilumninae Samouelle, 1819

Actumnus obesus Dana, 1852

Material examined

PMBC 16880, 1 male, BIOSHELF St. C1, 09°02'N, 098°03'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 20.04.1996; PMBC 16874, 1 female, BIOSHELF St. H3, 07°46'N, 097°58'E, TD, 71 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996.

Bathypilumnus sinensis (Gordon, 1930)

Material examined

PMBC 16881, 2 juv., BIOSHELF St. E20 m, 08°29'N, 098°12'E, TD, 20 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996.

Remarks

This species, originally described as a *Pilumnus*, was redescribed and figured by Ng and Tan (1984: 18–19, fig. 5, pl. 2C, D), and made the type species of *Bathypilumnus* Ng and Tan, 1984. It is known from 22–130 m depth on substrata of sand, shell and mud, from Hong Kong and the South China Sea west to the Gulf of Thailand, the Andaman Islands and the Laccadive Archipelago. While the present material is within the known range, it has apparently not been previously reported from Thai territorial waters (Naiyanetr, 1998).

Nanopilumnus rouxi (Balss, 1935)

Material examined

PMBC 16875, 1 male, BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Pilumnus longicornis Hilgendorf, 1878

Material examined

PMBC 16883, 1 male, BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Subfamily Rhizopinae Stimpson, 1858*Ceratoplax* sp.**Material examined**

PMBC 15356, 1 female, BIOSHELF St. K1, 07°00'N, 099°15'E, OS, 45 m, coll. S. Bussarawit and C. Aungtonya, 06.05.1996; PMBC 15357, 1 female, BIOSHELF St. K2, 07°00'N, 099°04'E, TD, 55 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 15360, 1 female, BIOSHELF St. L2, 06°43'N, 099°03'E, OS, 61 m, coll. S. Bussarawit and C. Aungtonya, 25.02.1998; PMBC 15361, 1 male, BIOSHELF St. T2, 06°43'N, 098°58'E, TD, 71 m, coll. S. Bussarawit and C. Aungtonya, 25.02.1998.

Remarks

The taxonomy of this genus is still not very satisfactory (see Ng, 1987), and while we are unable to key the present specimens to any species with confidence, it may not be undescribed. The genus is in an urgent need of revision.

Typhlocarcinus (?) *craterifer* Rathbun, 1914**Material examined**

PMBC 15362, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, BC, 42 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 15336, 1 female, BIOSHELF St. K1, 07°00'N, 099°16'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Remarks

This species is poorly known. It was originally described from the Philippines, but Serène (1964) dramatically extended its known distribution to off Durban, South Africa. The present specimens accord reasonable well with the figures and descriptions of Rathbun and Serène; however, they are still identified with some doubt because of the small amount of material known, and the lack of male specimens. Comparison with the type material will be necessary for certainty. A new record for Thailand.

Typhlocarcinops (?) *canaliculata* Rathbun, 1909**Material examined**

PMBC 15355, 1 male, BIOSHELF St. H1, 07°45'N, 098°16'E, OS, 31 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996; PMBC 15354, 1 male, BIOSHELF St. PB1, 08°00'N, 098°29'E, OS, 17 m, coll. S. Bussarawit, 23.04.1997.

Remarks

The present specimens agree well with the description and figures of Serène (1964: 226–227, fig. 9, pl. 19C), however his specimen, a male from Edam Island, north of Jakarta, Indonesia, was also doubtfully identified. More work looking at a range of material is needed to be certain of the identity of our species. According to Naiyanetr (1998), *T. canaliculata* has been recorded from several sites in the Gulf of Thailand; however, the present record would be a westerly range extension.

Typhlocarcinops gallardoi Serène, 1964**Material examined**

PMBC 15363, 1 male, BIOSHELF St. PB8, 07°44'N, 099°51'E, TD, 22 m, coll. S. Bussarawit, 22.04.1997.

Remarks

This species was described from Indonesia (Java Sea, and off Sarnalona, Makassar). The present specimen is a new record for Thailand.

Typhlocarcinops sp. 1**Material examined**

PMBC 15371, 2 females, BIOSHELF St. E1, 08°30'N, 098°06'E, BC, 42 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 15368, 1 female, BIOSHELF St. PB2, 08°00'N, 098°39'E, BC, 17 m, coll. S. Bussarawit, 22.04.1997; PMBC 15364, 1 female, BIOSHELF St. PB5, 07°52'N, 098°48'E, BC, 21 m, coll. S. Bussarawit, 22.04.1997.

Remarks

Although Ng (1987) reviewed the state of taxonomy for this genus, and the genus is easy to identify; nothing short of a full revision will settle the uncertainties of the identities of the various species in the genus. As such, we prefer not to identify the two species encountered until then.

Typhlocarcinops* sp. 2*Material examined**

PMBC 15365, 1 male, BIOSHELF St. E4, 08°30'N, 097°33'E, BC, 74 m, coll. S. Bussarawit and C. Aungtonya, 21.04.1996.

Xenophthalmodes dolichophallus* Tesch, 1918*Material examined**

PMBC 15343, 1 female, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 15366, 1 female, BIOSHELF St. H1, 07°45'N, 098°16'E, OS, 31 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996; PMBC 15367, 1 male, BIOSHELF St. H2, 07°45'N, 098°15'E, OS, 56 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996; PMBC 15352, 1 male, 1 female, BIOSHELF St. K1, 07°00'N, 099°16'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Goneplacidae Macleay, 1838**Subfamily Goneplacinae Macleay, 1838*****Ommatocarcinus pulcher* Barnard, 1950****Material examined**

PMBC 16835, 1 male, BIOSHELF St. A1, 09°30'N, 097°56'E, TD, 49 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998.

Remarks

This species appears to have been rarely collected. Originally described from off Natal, South Africa, it has subsequently been reported

from Guangdong, China (Dai and Yang, 1991: 408, fig. 199(2, 3), pl. 55(3)). The present specimen is a new record for Thailand.

Singhaplax ockelmanni* (SerHne, 1971)*Material examined**

PMBC 16852, 1 female, Andaman Sea, no station data.

Subfamily Chasmocarcininae Serène, 1964***Chasmocarcinops gelasimoides* Alcock, 1900****Material examined**

PMBC 16846, 1 female, BIOSHELF St. A1, 09°30'N, 097°57'E, BC, 43 m, coll. S. Bussarawit and C. Aungtonya, 18.04.1996; PMBC 16854, 1 male, BIOSHELF St. H1, 07°46'N, 098°16'E, OS, 40 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16844, 3 males, BIOSHELF St. I20 m, 07°30'N, 098°01'E, OS, 21 m, coll. S. Bussarawit and C. Aungtonya, 03.05.1996; PMBC 16850, 1 female, BIOSHELF St. I1, 07°30'N, 098°57'E, BC, 38 m, coll. S. Bussarawit and C. Aungtonya, 03.05.1996; PMBC 16831, 3 males, BIOSHELF St. I1, 07°30'N, 098°57'E, OS, 38 m, coll. S. Bussarawit and C. Aungtonya, 03.05.1996; PMBC 16856, 1 male, BIOSHELF St. J3, 07°15'N, 098°36'E, OS, 77 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16845, 1 male, BIOSHELF St. K1, 07°00'N, 099°15'E, OS, 45 m, 06.05.1996; PMBC 15334, 1 male, BIOSHELF St. K1, 07°00'N, 099°16'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16849, 1 female, BIOSHELF St. K1, 07°00'N, 099°15'E, TD, 42 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16840, 1 male, BIOSHELF St. L1, 06°49'N, 099°21'E, TD, 39 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16857, 1 female, BIOSHELF St. RY1, 07°35'N, 098°16'E, OS, 68 m, coll. S. Bussarawit and C. Aungtonya, 22.02.1998; PMBC 16855, 1 female, BIOSHELF St. PB3, 07°51'N, 098°32'E, TD, 33 m, coll. S. Bussarawit and C. Aungtonya, 21.02.1998.

Hepthopelta mortenseni SerHne, 1964**Material examined**

PMBC 15353, 6 males, 14 female, BIOSHEL F St. J2, 07°15'N, 098°48'E, OS, 63 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998.

Scalopidia spinosipes Stimpson, 1858**Material examined**

PMBC 15335, 1 female, BIOSHEL F St. K1, 07°00'N, 099°15'E, TD, 42 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Subfamily Carcinoplacinae H. Milne Edwards, 1852*Carcinoplax bispinosa* Rathbun, 1914**Material examined**

PMBC 16833, 2 males, BIOSHEL F St. A1, 09°30'N, 097°56'E, TD, 49 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998; PMBC 16851, 3 males, BIOSHEL F St. B1, 09°14'N, 098°00'E, OS, 45 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16863, 1 male, BIOSHEL F St. B2, 09°15'N, 097°54'E, OS, 58 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16836, 1 male, BIOSHEL F St. B2, 09°15'N, 097°54'E, TD, 61 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16858, 3 males, BIOSHEL F St. C2, 09°00'N, 097°56'E, OS, 60 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16864, 1 male, BIOSHEL F St. G2, 08°00'N, 098°10'E, OS, 63 m, coll. S. Bussarawit and C. Aungtonya, 23.04.1996; PMBC 16859, 1 female, BIOSHEL F St. H2, 07°46'N, 098°14'E, TD, 57 m, coll. S. Bussarawit and C. Aungtonya, 20.02.1998; PMBC 16842, 1 female, BIOSHEL F St. I2, 07°30'N, 098°31'E, TD, 59 m, coll. S. Bussarawit and C. Aungtonya, 01.05.1996; PMBC 16832, 3 males, BIOSHEL F St. J1, 07°15'N, 099°03'E, TD, 42 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16868, 1 male, 1 juv., BIOSHEL F St. J2, 07°15'N, 098°48'E, OS, 63 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16861, 1 male, BIOSHEL F St.

J2, 07°16'N, 098°49'E, trawl, 62 m, coll. S. Bussarawit and C. Aungtonya, 23.02.1998; PMBC 16867, 1 male, BIOSHEL F St. K2, 07°00'N, 099°04'E, trawl, 52 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998; PMBC 16841, 1 male, BIOSHEL F St. K3, TD, 76 m, 24.02.1998; PMBC 16847, 1 female, BIOSHEL F St. RN1, 07°30'N, 098°22'E, TD, 63 m, coll. S. Bussarawit and C. Aungtonya, 08.05.1996; PMBC 16839, 4 males, BIOSHEL F St. T1, OS, 61 m, 25.02.1998; PMBC 16830, 1 male, BIOSHEL F St. L2, 06°44'N, 099°04'E, TD, 59 m, coll. S. Bussarawit and C. Aungtonya, 25.02.1998; PMBC 16838, 2 males, 3 juv., BIOSHEL F St. T2, 06°43'N, 098°57'E, OS, 72 m, coll. S. Bussarawit and C. Aungtonya, 25.02.1998; PMBC 16703, 3 males, BIOSHEL F St. T2, 07°43'N, 098°58'E, TD, 71 m, coll. S. Bussarawit and C. Aungtonya, 25.02.1998.

Remarks

C. bispinosa has recently been redescribed and figured as part of her generic revision by Guinot (1989: 307–309, fig. 23A, B, 30A, B, pl. XI, A–F). It was previously only known from the Philippines, China and Japan, so the present specimens are the first to be found in the Indian Ocean, and mark a significant westerly range extension.

Hexapodidae Miers, 1886*Hexapinus* sp. 1**Material examined**

PMBC 16735, 1 male, BIOSHEL F St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

Remarks

The partial revision of the family by Manning and Holthuis (1981) has solved many outstanding problems with the generic structure within the family. Unfortunately, many of the Indo-West Pacific species in the various genera are rather poorly known. We are not confident to assign species names to the three species on hand at the

moment. Raymond Manning was in the midst of a revision of these crabs but his untimely death has resulted in a complete stop. Currently, the first two authors are looking into this matter, together with extensive material from the South China Sea and Australia.

Hexapinus sp. 2

Material examined

PMBC 16745, 1 female, BIOSHELF St. K1, 07°00'N, 099°16'E, OS, 41 m, coll. S. Bussarawit and C. Aungtonya, 24.02.1998.

Hexapinus sp. 3

Material examined

PMBC 16755, 1 male, BIOSHELF St. A2, 09°32'N, 097°50'E, OS, 66 m, coll. S. Bussarawit and C. Aungtonya, 18.04.1996; PMBC 16766, 1 male, BIOSHELF St. PB7, 07°45'N, 098°41'E, OS, 32 m, coll. S. Bussarawit, 22.04.97.

Palicidae Bouvier, 1897

Palicus woodmasoni (Alcock, 1900) or
Rectopalicus woodmasoni (Alcock, 1900)

Material examined

PMBC 16196, 1 spec. (damaged), BIOSHELF St. H3, 07°46'N, 097°58'E, TD, 71 m, coll. S. Bussarawit and C. Aungtonya, 09.05.1996.

Remarks

This species will be referred to a new genus in an upcoming revision of the family by P. Castro. It is a new record for Thailand waters.

Parapalicus ambonensis Moosa and Serène, 1981

Material examined

PMBC 16197, 1 female, BIOSHELF St. B3, 09°15'N, 097°42'E, TD, 80 m, coll. S. Bussarawit and C. Aungtonya, 18.02.1998.

Remarks

A new record for Thailand waters.

Pinnotheridae De Haan, 1833

Tetrias fischeri (A. Milne Edwards, 1867)

Material examined

PMBC 16877, 1 female, BIOSHELF St. C1, 09°00'N, 098°02'E, TD, 43 m, coll. S. Bussarawit and C. Aungtonya, 17.02.1998; PMBC 16882, 1 male, BIOSHELF St. E1, 08°30'N, 098°06'E, TD, 38 m, coll. S. Bussarawit and C. Aungtonya, 22.04.1996; PMBC 16876, 1 female, BIOSHELF St. PB6, 07°45'N, 098°36'E, trawl, 24 m, coll. S. Bussarawit and C. Aungtonya, 27.02.1998.

DISCUSSION

The most interesting result to come out of this study is the remarkable number of new records for Thailand. Of the 102 species recorded, over one-third (38) have not been previously reported. While it is true that many are wide-ranging species, and may have been expected to be found off western Thailand, this further illustrates the existing poor state of knowledge of the biodiversity of this region. In addition, for some groups, such as the Goneplacidae and Hexapodidae, it is clear that there are a number of new species to be described, several of which may prove to be endemic to the north-eastern Indian Ocean. It is intended that parts of the present collection will be the subject of revisionary studies now underway by the first two authors.

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