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和田恵次収集外国産十脚甲殻類標本

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Catalogue of foreign decapod crustaceans collected by Dr. Keiji Wada
donated to the Osaka Museum of Natural History

Keiji Wada*

Abstract: Decapod crustaceans, most of which are grapsoid and ocyrodoid crabs, collected in the foreign countries (Korea, Taiwan, Hong Kong, Thailand, Indonesia, Philippines, Australia, USA and Panama) are listed with collecting data and the registered number of the Osaka Museum of Natural History.

抄録：大阪自然史博物館寄贈標本のうち外国産（韓国、台湾、香港、タイ、インドネシア、フィリピン、オーストラリア、米国、パナマ）の十脚甲殻類（主にイワガニ類・スナガニ類）を、採集情報と登録番号とともに列記した。

Key words: decapods; brachyurans; species list; littoral fauna; foreign specimens

本報告は、筆者（和田恵次）が1982年～2003年の期間に海外で行った生態学的調査の中で記録された十脚甲殻類並びに知人から寄贈を受けた外国産カニ類のうち、大阪市立自然史博物館（OMNH）に登録された標本の種リストである。調査国は、韓国、台湾、ベトナム、タイ、インドネシア、フィリピン、オーストラリア、米国、パナマである。このうち、ベトナム、タイ、インドネシア、フィリピンについてはカニ類のリストを既に公表済みであり（和田、2019a, 2019b, 2020a, 2020b）、本報ではこれらの国の採集標本のうち未発表のものだけを掲載するようにした。調査地は表1～6の通りで、各種ごとに登録番号、標本個体数、採集地（国別に地点番号で表示）、採集年月日を記載した。標本の採集者が筆者以外の場合は採集者名も付記した。なお日本にも分布する種については学名に続いて和名を並記した。

標本登録の手配をいただいた大阪市立自然史博物館

の石田 惣博士に深謝する。

Superfamily Alpheoidea Rafinesque, 1825

テッポウエビ上科

Family Alpheidae Rafinesque, 1825

テッポウエビ科

Genus *Alpheus* Fabricius, 1798

テッポウエビ属

Alpheus euphrosyne De Man, 1897

OMNH-Ar-10474: 5, Thailand-1, Dec. 4, 1982;

OMNH-Ar-10515: 1, Indonesia-4, Aug. 21, 1985

Alpheus lobidens lobidens De Haan, 1849 イソテッポウエビ

OMNH-Ar-10514: 2, Indonesia-4, Sep. 1, 1986

Superfamily Thalassinoidea Latreille, 1831

アナジャコ上科

Family Thalassinidae Latreille, 1831

オキナワアナジャコ科

Genus *Thalassina* Latreille, 1831

オキナワアナジャコ属

Thalassina anomala (Herbst, 1804) オキナワアナジャコ
OMNH-Ar-10486: 1, Indonesia-4, Aug. 24, 1985;
OMNH-Ar-10487: 1, Indonesia-4, Aug. 23, 1985;
OMNH-Ar-10519: 1, Indonesia-4, Sep. 11, 1986;
OMNH-Ar-10563: 1, Indonesia-2, Sep. 9, 1985

Superfamily Callianassoidea Dana, 1852

スナモグリ上科

Family Callianassidae Dana, 1852

スナモグリ科

Genus *Callianassa* Leach, 1914

スナモグリ属

Callianassa ranongensis Sakai, 1983
OMNH-Ar-10475: 2, Thailand-1. Dec. 7, 1982

Superfamily Eriphioidea MacLeay, 1838

イワオウギガニ上科

Family Menippidae Ortmann, 1893

スベスベオウギガニ科

Genus *Menippe* De Haan, 1833

スベスベオウギガニ属

Mennipe nodifrons Stimpson, 1859
OMNH-Ar-11594: 1, USA-4, May 8, 1996

Family Oziidae Dana, 1851

イソオウギガニ科

Genus *Ozius* H. Milne Edwards, 1834

イソオウギガニ属

Ozius rugolosus Stimpson, 1858 イソオウギガニ
OMNH-Ar-19714: 1, Taiwan-15, Mar. 21, 1996

Superfamily Potamoidea Ortmann, 1896

サワガニ上科

Family Potamidae Ortmann, 1896

サワガニ科

Subfamily Potamiscinae Bott, 1970

サワガニ亜科

Genus *Geothelphusa* Stimpson, 1858

サワガニ属

Geothelphusa candidiensis Bott, 1967 タイワンサワガニ
OMNH-Ar-11224: 3, Taiwan-16, Jan. 2, 1989,
Col. 御勢久右衛門

Superfamily Xanthoidea MacLeay, 1838

オウギガニ上科

Family Panopeidae Ortmann, 1893

ミナトオウギガニ科

Subfamily Panopeinae Ortmann, 1893

ミナトオウギガニ亜科

Genus *Rhithropanopeus* Rathbun, 1898

ミナトオウギガニ属

Rithropanopeus harrisi (Gould, 1841) ミナトオウギガニ
ガニ
OMNH-Ar-11568: 22, USA-1, Apr. 25, 1996

Superfamily Grapsoidea MacLeay, 1838

イワガニ上科

Family Geocarcinidae MacLeay, 1838

オカガニ科

Genus *Cardisoma* Latreille, 1828

ミナミオカガニ属

Cardisoma guanhumii Latreille, 1828
OMNH-Ar-11489: 1. USA-10, June 13, 1999

Family Grapsidae MacLeay, 1838

イワガニ科

Subfamily Grapsinae MacLeay, 1838

イワガニ亜科

Genus *Metopograpsus* H. Milne Edwards, 1853

ハシリイワガニ属

Metopograpsus thukuhar (Owen, 1839) ハシリイワ
ガニモドキ
OMNH-Ar-10589: 1, Taiwan-14, Nov. 8, 1988

Family Sesarmidae Dana, 1851

ベンケイガニ科

Genus *Aratus* H. Milne Edwards, 1853

Aratus pisonii (H. Milne Edwards, 1837)
OMNH-Ar-11498: 2, USA-4, May 8, 1996;
OMNH-Ar-11499: 1, USA-7, May 5, 1996

Genus *Neosarmatium* Serène & Soh, 1970

アシハラガニモドキ属

Neosarmatium meinerti (De Man, 1887)
OMNH-Ar-10688: 1, Australia-24, Aug. 22, 1995;
OMNH-Ar-10689: 1, Australia-24, Aug. 22, 1995

Genus *Parasesarma* De Man, 1895

カクベンケイガニ属

Parasesarma affine (De Haan, 1837) クシテガニ
OMNH-Ar-10586: 2, Taiwan-2, Oct. 31, 1988;
OMNH-Ar-10587: 1, Taiwan-12, Nov. 10, 1988
Parasesarma hartogi Davie & Pabriks, 2010
OMNH-Ar-10750: 1, Australia-23, Aug. 21, 1995
Parasesarma tripectinis (Shen, 1940) ユビアカベン
ケイガニ

OMNH-Ar-11206: 2, Korea-3, Aug. 11, 1994;
 OMNH-Ar-11207: 1, Korea-3, Jul. 1, 1992;
 OMNH-Ar-11208: 1, Korea-3, Aug. 27, 1992;
 OMNH-Ar-11209: 1, Korea-3, June 5, 1992

Genus *Sesarmops* Serène & Soh, 1970

ベンケイガニ属

Sesarmops imperator Ng, Li & Shih, 2020 タイワン
 ベンケイガニ

OMNH-Ar-10712: 1, Taiwan-15, Mar. 21, 1996

Family Varunidae H. Milne Edwards, 1853

モクズガニ科

**Subfamily Cyclograpsinae H. Milne Edwards,
 1853**

アカイソガニ亜科

Genus *Helicana* K. Sakai & Yatsuzuka, 1980

ヒメアシハラガニ属

Helicana doerjesi K. Sakai & Yang, 2006

OMNH-Ar-10588: 2, Taiwan-2, Nov. 1, 1988

Helicana japonica (K. Sakai & Yatsuzuka, 1980) ヒ
 メアシハラガニ

OMNH-Ar-11229: 1, Korea-5, May 4, 1992

Helicana wuana (Rathbun, 1931)

OMNH-Ar-11198: 1, Korea-3, May 31, 1992;

OMNH-Ar-11199: 2, Korea-3, Aug. 27, 1994;

OMNH-Ar-11200: 3, Korea-3, Aug. 23, 1994

Genus *Helice* De Haan, 1833

アシハラガニ属

Helice tientsinensis Rathbun, 1931

OMNH-Ar-11202: 1, Korea-3, Aug. 27, 1992;

OMNH-Ar-11203: 1, Korea-3, Aug. 9, 1994;

OMNH-Ar-11204: 1, Korea-3, Sep. 15, 1992;

OMNH-Ar-11205: 1, Korea-3, Aug. 31, 1994

Helice tridens (De Haan, 1835) アシハラガニ

OMNH-Ar-11201: 1, Korea-3, May 30, 1992

Genus *Metaplax* H. Milne Edwards, 1852

Metaplax elegans De Man, 1888

OMNH-Ar-10582: 7, Taiwan-10, Nov. 9, 1988;

OMNH-Ar-10583: 3, Taiwan-2, Oct. 31, 1988;

OMNH-Ar-10584: 4, Taiwan-2, Nov. 3, 1988;

OMNH-Ar-10585: 1, Taiwan-8, Nov. 12, 1988;

OMNH-Ar-10726: 5, Taiwan-8, Mar. 27, 1996

Metaplax longipes Stimpson, 1858

OMNH-Ar-10580: 3, Taiwan-2, Nov. 3, 1988;

OMNH-Ar-10581: 2, Taiwan-2, Nov. 1, 1988

Genus *Paragrapsus* H. Milne Edwards, 1853

Paragrapsus quadridentatus (H. Milne Edwards,
 1837)

OMNH-Ar-10776: 8, Australia-21, Dec. 25, 1994

Subfamily Gaetinae Davie & N.K. Ng, 2007

ヒライソガニ亜科

Genus *Gaetice* Gistel, 1848

ヒライソガニ属

Gaetice depressus (De Haan, 1835) ヒライソガニ

OMNH-Ar-11225: 2, Korea-5, May 4, 1992

Subfamily Varuninae H. Milne Edwards, 1853

モクズガニ亜科

Genus *Hemigrapsus* Dana, 1851

イソガニ属

Hemigrapsus penicillatus (De Haan, 1835) ケフサイ
 ソガニ

OMNH-Ar-10399: 2, Korea-11, Sep. 26, 1992

Hemigrapsus sinensis Rathbun, 1931 ヒメケフサイ
 ソガニ

OMNH-Ar-10777: 7, Korea-3, Aug. 27, 1992;

OMNH-Ar-11197: 4, Korea-3, Jul. 3, 1992

Hemigrapsus takanoi Asakura & Watanabe, 2005
 タカノケフサイソガニ

OMNH-Ar-11196: 4, Korea-3, Aug. 19, 1994

Genus *Ptychognathus* Stimpson, 1858

ヒライソモドキ属

Ptychognathus barbatus (A. Milne Edwards, 1853)

ケフサヒライソモドキ

OMNH-Ar-10579: 3, Taiwan-14, Nov. 8, 1988

Superfamily Ocypodoidea Rafinesque, 1815

スナガニ上科

Family Camptandriidae Stimpson, 1858

ムツハアリアケガニ科

Genus *Baruna* Stebbing, 1904

Baruna sinensis Tan & Huang, 1995

OMNH-Ar-10575: 4, Taiwan-10, Nov. 9, 1988

Genus *Cleistostoma* De Haan, 1833

アリアケガニ属

Cleistostoma dilatatum (De Haan, 1833) アリアケガニ

OMNH-Ar-11226: 2, Korea-3, Aug. 18, 1992;

OMNH-Ar-11227: 1, Korea-3, May 8, 1992;

OMNH-Ar-11228: 2, Korea-3, June 5, 1992

Cleistostoma mcneilli Ward, 1933

ONNH-Ar-10745: 4, Australia-9, Jul. 17, 1990;

OMNH-Ar-10786: 8, Australia-14, Dec. 14, 1994;

OMNH-Ar-10874: 1, Australia-14, Dec. 12, 1994;

OMNH-Ar-10875: 2, Australia-11, Dec. 3, 1994

Cleistostoma aff. mcneilli Ward, 1933

OMNH-Ar-10876: 5, Australia-31, Aug. 30, 1995;

OMNH-Ar-10877: 3, Australia-29, Aug. 26, 1995;

OMNH-Ar-10878: 5, Australia-29, Aug. 28, 1995;

OMNH-Ar-10879: 12, Australia-28, Aug. 28, 1995

Genus *Deiratonotus* Manning & Holthuis, 1981

アリアケモドキ属

Deiratonotus cristatus (De Man, 1895) アリアケモドキ

OMNH-Ar-11444: 1, Korea-3, Jul. 2, 1992

Genus *Paracleistostoma* De Man, 1895

Paracleistostoma depressum De Man, 1895

OMNH-Ar-10637: 3, Taiwan-2, Nov. 3, 1988;

OMNH-Ar-10724: 9, Taiwan-3, Mar. 25, 1996

Family Dotillidae Stimpson, 1858

コメツキガニ科

Subfamily Dotillinae Stimpson, 1858

コメツキガニ亜科

Genus *Dotilla* Stimpson, 1858

Dotilla wichmanni De Man, 1892

OMNH-Ar-12172: 14, Indonesia-3, Jul. 30, 1985,

Col. 山根爽一

Genus *Ilyoplax* Stimpson, 1858

チゴガニ属

Ilyoplax dentata Ward, 1933

OMNH-Ar-10746: 9, Australia-9, Jul. 17, 1990;

OMNH-Ar-10885: 1, Australia-2, Nov. 30, 1994;

OMNH-Ar-10886: 2, Australia-7, Dec. 3, 1994;

OMNH-Ar-10895: 6, Australia-9, Dec. 2, 1994;

OMNH-Ar-10898: 10, Australia-2, Nov. 30, 1994

Ilyoplax dentimerosa Shen, 1932

OMNH-Ar-11387: 6, Korea-3, June 15, 1992;

OMNH-Ar-11388: 21, Korea-3, Sep. 14, 1992;

OMNH-Ar-11389: 12, Korea-3, Apr. 25, 1993,

Col. Joongi-Park; OMNH-Ar-11390: 8, Korea-10,

Jul. 30, 1992

Ilyoplax deschampsii (Rathbun, 1913) ハラグクレチ
ゴガニ

OMNH-Ar-10387: 1, Korea-3, Jul. 2, 1992;

OMNH-Ar-11170: 32, Korea-1, June 29, 1992;

OMNH-Ar-11377: 24, Korea-2, May 9, 1992;

OMNH-Ar-11378: 11, Korea-3, Oct. 15, 1992;

OMNH-Ar-11379: 38, Korea-1, June 29, 1992;

OMNH-Ar-11380: 12, Korea-3, Jul. 2, 1992

Ilyoplax formosensis Rathbun, 1921

OMNH-Ar-10568: 15, Taiwan-8, Nov. 12, 1988;

OMNH-Ar-10718: 3, Taiwan-8, Mar. 12, 1996;

OMNH-Ar-10719: 35, Taiwan-8, Mar. 14, 1996;

OMNH-Ar-10720: 38, Taiwan-8, Mar. 14, 1996;

OMNH-Ar-10721: 1, Taiwan-8, Mar. 14, 1996;

OMNH-Ar-10722: 9, Taiwan-8, Mar. 17, 1996;

OMNH-Ar-10723: 5, Taiwan-3, Mar. 25, 1996

Ilyoplax integra (Tesch, 1918) ミナミチゴガニ

OMNH-Ar-10725: 21, Taiwan-13, Mar. 23, 1996

Ilyoplax pingi Shen, 1932

OMNH-Ar-11381: 41, Korea-3, Sep. 16, 1992;

OMNH-Ar-11382: 10, Korea-3, Jul. 2, 1992;

OMNH-Ar-11383: 2, Korea-7, Jul. 28, 1992;

OMNH-Ar-11384: 7, Korea-7, Jul. 29, 1992;

OMNH-Ar-11385: 2, Korea-10, Jul. 30, 1992;

OMNH-Ar-11386: 31, Korea-3, Jul. 20, 1993

Ilyoplax pusilla (De Haan, 1835) チゴガニ

OMNH-Ar-11668: 6, Korea-11, Sep. 26, 1992

Ilyoplax strigicarpa Davie, 1990

OMNH-Ar-10747: 9, Australia-8, Jul. 15, 1990;

OMNH-Ar-10748: 1, Australia-9, Jul. 17, 1990;

OMNH-Ar-10887: 1, Australia-14, Dec. 12, 1994;

OMNH-Ar-10894: 2, Australia-4, Dec. 4, 1994;

OMNH-Ar-10897: 5, Australia-11, Dec. 3, 1994

Ilyoplax tansuiensis Sakai, 1939

OMNH-Ar-10570: 7, Taiwan-6, Nov. 13, 1988;

OMNH-Ar-10571: 18, Taiwan-8, Nov. 12, 1988;

OMNH-Ar-10572: 3, Taiwan-7, Nov. 13, 1988;

OMNH-Ar-10716: 7, Taiwan-8, Mar. 27, 1996;

OMNH-Ar-10717: 15, Taiwan-8, Mar. 13, 1996

Ilyoplax sp.

OMNH-Ar-11223: 18, Indonesia-4, Aug. 25, 1986

Genus *Scopimera* De Haan, 1833

コメツキガニ属

Scopimera bitympana Shen, 1930

OMNH-Ar-10576: 2, Taiwan-2, Oct. 31, 1988;

OMNH-Ar-10577: 1, Taiwan-6, Nov. 13, 1988;

OMNH-Ar-10578: 1, Taiwan-1, Nov. 4, 1988;

OMNH-Ar-10713: 1, Taiwan-1, Mar. 25, 1996;

OMNH-Ar-11231: 2, Korea-5, May, 3, 1992

Scopimera globosa (De Haan, 1835) コメツキガニ

OMNH-Ar-10376: 2, Korea-10, Jul. 30, 1992;

OMNH-Ar-10384: 4, Korea-5, May 3, 1992;

OMNH-Ar-11230: 17, Korea-13, Sep. 26, 1992

Scopimera inflata A. Milne Edwards, 1873

OMNH-Ar-10386: 4, Australia-5, Nov. 29, 1994;

OMNH-Ar-10390: 7, Australia-15, Jul. 9, 1990;

OMNH-Ar-10391: 1, Australia-17, Dec. 13, 1994

Scopimera intermedia Balss, 1934

OMNH-Ar-10382: 2, Taiwan-6, Nov. 13, 1988;

OMNH-Ar-11748: 10, Hong Kong-3, Apr. 12,

1983, Col. 大垣俊一

Scopimera longidactyla Shen, 1932

OMNH-Ar-10383: 8, Korea-7, Jul. 28, 1992;

OMNH-Ar-10385: 6, Korea-7, Jul. 28, 1992

Scopimera sp.

OMNH-Ar-10388: 5, Australia-27, Aug. 31, 1995;

OMNH-Ar-10389: 3, Australia-27, Aug. 25, 1995

Genus *Tmethypocoelis* Koelbel, 1897

ツノメチゴガニ属

Tmethypocoelis ceratophora Koelbel, 1897

OMNH-Ar-10569: 4, Taiwan-2, Nov. 1, 1988;

OMNH-Ar-10573: 5, Taiwan-4, Nov. 15, 1988;

OMNH-Ar-10574: 2, Taiwan-3, Oct. 31, 1988;

OMNH-Ar-11749: 4, Hong Kong-3, Apr. 12, 1983, Col. 大垣俊一

Tmethypocoelis koelbeli Davie, 1990

OMNH-Ar-10775: 40, Australia-34, Aug. 27, 1995

Tmethypocoelis sp.

OMNH-Ar-11220: 8, Indonesia-1, Sep. 6, 1985;

OMNH-Ar-11221: 2, Indonesia-5, Aug. 16, 1985;

OMNH-Ar-11222: 7, Indonesia-2, Sep. 9, 1985

Family Heloeciidae H. Milne Edwards, 1852

Genus *Heloecius* Dana, 1851

Heloecius cordiformis (H. Milne Edwards, 1837)

OMNH-Ar-10787: 2, Australia-18, Dec. 16, 1994;

OMNH-Ar-10788: 1, Australia-19, Dec. 17, 1994;

OMNH-Ar-10789: 1, Australia-13, Dec. 11, 1994;

OMNH-Ar-10790: 4, Australia-16, Dec. 13, 1994;

OMNH-Ar-10791: 1, Australia-20, Dec. 22, 1994

Family Macrophthalmidae Dana, 1851

オサガニ科

Subfamily Ilyograpsinae Števcíć, 2005

チゴイワガニ亜科

Genus *Ilyograpsus* Barnard, 1955

チゴイワガニ属

Ilyograpsus nodulosus Sakai, 1983 チゴイワガニ

OMNH-Ar-12051: 1, Philippines-1, Dec. 7, 2000

Subfamily Macrophthalminae Dana, 1851

オサガニ亜科

Genus *Australoplax* Barnes, 1966

Australoplax tridentata (A. Milne Edwards, 1873)

OMNH-Ar-10392: 13, Australia-13, Dec. 11, 1994;

OMNH-Ar-10393: 7, Australia-6, Dec. 1, 1994;

OMNH-Ar-10394: 3, Australia-4, Dec. 4, 1994;

OMNH-Ar-10743: 9, Australia-12, Jul. 7, 1990;

OMNH-Ar-10890: 4, Australia-9, Dec. 2, 1994;

OMNH-Ar-10891: 2, Australia-18, Dec. 16, 1994;

OMNH-Ar-10892: 2, Australia-16, Dec. 13, 1994;

OMNH-Ar-10893: 3, Australia-3, Nov. 30, 1994;

OMNH-Ar-10896: 1, Australia-11, Dec. 3, 1994

Genus *Chaenostoma* Stimpson, 1858

ヒメカクオサガニ属

Chaenostoma punctulatus Miers, 1884

OMNH-Ar-10744: 1, Australia-12, Jul. 7, 1990;

OMNH-Ar-10756: 5, Australia-1, Dec. 9, 1994;

OMNH-Ar-10757: 1, Australia-19, Dec. 17, 1994;

OMNH-Ar-10758: 6, Australia-18, Dec. 16, 1994

Genus *Macrophthalmus* Desmarest, 1823

オサガニ属

Subgenus *Macrophthalmus* Desmarest, 1823

オサガニ亜属

Macrophthalmus (Macrophthalmus) abbreviatus

Manning & Holthuis, 1981 オサガニ

OMNH-Ar-10567: 3, Taiwan-7, Nov. 13, 1988

Macrophthalmus (Macrophthalmus) brevis (Herbst,

1804) ミナミオサガニ

OMNH-Ar-10377: 1, Taiwan-5, Nov. 15, 1988

Macrophthalmus (Macrophthalmus) crassipes H.

Milne Edwards, 1852

OMNH-Ar-10694: 1, Australia-24, Aug. 20, 1995;

OMNH-Ar-10697: 2, Australia-28, Aug. 29, 1995;

OMNH-Ar-10698: 1, Australia-29, Aug. 29, 1995;

OMNH-Ar-10751: 3, Australia-29, Aug. 29, 1995;

OMNH-Ar-10846: 1, Australia-29, Aug. 29, 1995;

OMNH-Ar-10847: 2, Australia-28, Aug. 28, 1995

Subgenus *Mareotis* Barnes, 1967

ヤマトオサガニ亜属

Macrophthalmus (Mareotis) banzai Wada & Sakai,

1989 ヒメヤマトオサガニ

OMNH-Ar-11412: 9, Taiwan-11, Nov. 7, 1988;

OMNH-Ar-11413: 56, Taiwan-2, Nov. 3, 1988;

OMNH-Ar-11414: 42, Taiwan-2, Nov. 3, 1988;

OMNH-Ar-11415: 9, Taiwan-8, Nov. 12, 1988;

OMNH-Ar-11416: 4, Taiwan-4, Nov. 15, 1988;

OMNH-Ar-11417: 5, Taiwan-5, Nov. 15, 1988;

OMNH-Ar-11418: 3, Taiwan-10, Nov. 9, 1988;

OMNH-Ar-11419: 4, Taiwan-7, Nov. 13, 1988;

OMNH-Ar-11420: 6, Taiwan-9, Nov. 11, 1988;

OMNH-Ar-11421: 1, Taiwan-1, Nov. 4, 1988;

OMNH-Ar-11442: 2, Hong Kong-1, Mar. 23,

1983, Col. R.C.K. Choi; OMNH-Ar-11670: 20,

Korea-3, Oct. 14, 1992; OMNH-Ar-11671: 7,

Korea-3, Oct. 15, 1992; OMNH-Ar-11683: 11,

Korea-3, Aug. 24, 1994; OMNH-Ar-11684: 10,

Korea-3, Aug. 24, 1994; OMNH-Ar-11698: 18,

Korea-6, Sep. 20, 1987, Col. Byung Lae Choe;

OMNH-Ar-11699: 19, Korea-6, Sep. 20, 1987,

Col. Byung Lae Choe; OMNH-Ar-11700: 14,

Korea-5, May 29, 1987, Col. Byung Lae Choe;

OMNH-Ar-11703: 1, Korea-8, Jul. 16, 1986, Col.

Byung Lae Choe; OMNH-Ar-11705: 4, Korea-8,

- Jul. 15, 1986, Col. Byung Lae Choe; OMNH-Ar-11706: 13, Korea-9, Oct. 20, 1985, Col. Byung Lae Choe; OMNH-Ar-11707: 8, Korea-9, Aug. 25, 1986, Col. Byung Lae Choe; OMNH-Ar-11708: 7, Korea-3, Aug. 18, 1994; OMNH-Ar-11709: 4, Korea-3, Aug. 17, 1994; OMNH-Ar-11710: 1, Korea-3, May 20, 1992; OMNH-Ar-11711: 1, Korea-3, June 30, 1992; OMNH-Ar-11712: 3, Korea-3, Aug. 29, 1992; OMNH-Ar-11714: 14, Korea-4, Sep. 24, 1987, Col. 武田哲; OMNH-Ar-11715: 25, Korea-12, Oct. 3, 1987, Col. 武田哲; OMNH-Ar-11716: 19, Taiwan-2, Nov. 18, 1988; OMNH-Ar-11717: 41, Taiwan-2, Nov. 1, 1988; OMNH-Ar-12092: 18, Taiwan-2, Nov. 3, 1988
- Macrophthalmus (Mareotis) darwinensis* Barnes, 1971
- OMNH-Ar-10852: 1, Australia-29, Aug. 25, 1995; OMNH-Ar-10853: 2, Australia-29, Aug. 28, 1995; OMNH-Ar-10854: 5, Australia-29, Aug. 29, 1995; OMNH-Ar-10855: 5, Australia-31, Aug. 30, 1995; OMNH-Ar-10856: 2, Australia-3, Nov. 30, 1994; OMNH-Ar-10857: 1, Australia-30, Aug. 25, 1995
- Macrophthalmus (Mareotis) definitus* Adams & White, 1849 ヨコスジオサガニ
- OMNH-Ar-11719: 6, Thailand-2, Jan. 23, 1982, Col. Phaibul Naiyanetr
- Macrophthalmus (Mareotis) japonicus* (De Haan, 1835) ヤマトオサガニ
- OMNH-Ar-11669: 13, Korea-3, Oct. 15, 1992; OMNH-Ar-11672: 2, Korea-3, Oct. 15, 1992; OMNH-Ar-11673: 11, Korea-11, Sep. 26, 1992; OMNH-Ar-11701: 3, Korea-5, May 29, 1987, Col. Byung Lae Choe; OMNH-Ar-11702: 1, Korea-8, Jul. 16, 1986; OMNH-Ar-11704: 4, Korea-8, Jul. 25, 1986; OMNH-Ar-11713: 1, Korea-3, Jul. 1, 1992
- Macrophthalmus (Mareotis) pacificus* Dana, 1851 タイヨウオサガニ
- OMNH-Ar-10741: 2, Australia-8, Jul. 15, 1990; OMNH-Ar-10848: 1, Australia-26, Aug. 25, 1995; OMNH-Ar-10849: 4, Australia-29, Aug. 26, 1995; OMNH-Ar-10850: 5, Australia-29, Aug. 28, 1995; OMNH-Ar-10851: 3, Australia-28, Aug. 28, 1995; OMNH-Ar-10888: 4, Australia-3, Nov. 30, 1994
- Macrophthalmus (Mareotis) pistrosinus* Barnes & Davie, 2008
- OMNH-Ar-10690: 5, Australia-25, Aug. 20, 1995; OMNH-Ar-10691: 10, Australia-24, Aug. 22, 1995; OMNH-Ar-10692: 9, Australia-24, Aug. 22, 1995; OMNH-Ar-10693: 2, Australia-23, Aug. 21, 1995
- Macrophthalmus (Mareotis) setosus* H. Milne Edwards, 1852
- OMNH-Ar-10742: 4, Australia-14, Jul. 8, 1990; OMNH-Ar-10759: 1, Australia-14, Dec. 12, 1994
- Macrophthalmus (Mareotis) tomentosus* Eydoux & Souleyet, 1842
- OMNH-Ar-10841: 1, Australia-14, Dec. 14, 1994; OMNH-Ar-11409: 4, Hong Kong-1, Mar. 23, 1988, Col. R.K.C. Choi
- Subgenus *Paramareotis* Komai, Goshima & Murai, 1995**
- タイワンヒメオサガニ亜属
- Macrophthalmus (Paramareotis) erato* De Man, 1888
- OMNH-Ar-10842: 7, Australia-29, Aug. 28, 1995; OMNH-Ar-10843: 1, Australia-29, Aug. 26, 1995; OMNH-Ar-10844: 1, Australia-29, Aug. 28, 1995; OMNH-Ar-10845: 1, Australia-29, Aug. 29, 1995
- Macrophthalmus (Paramareotis) quadratus* A. Milne Edwards, 1873 ナカグスクオサガニ
- OMNH-Ar-10715: 2, Taiwan-13, Mar. 23, 1996
- Genus *Tasmanoplax* Barnes, 1967**
- Tasmanoplax latifrons* (Haswell, 1882)
- OMNH-Ar-10792: 6, Australia-22, Dec. 24, 1994; OMNH-Ar-10793: 2, Australia-20, Dec. 22, 1994
- Genus *Venitus* Barnes, 1967**
- ノコハオサガニ属
- Venitus latreillei* (Desmarest, 1822) ノコハオサガニ
- OMNH-Ar-10727: 1, Australia-29, Aug. 31, 1995; OMNH-Ar-10728: 2, Australia-29, Aug. 28, 1995; OMNH-Ar-10729: 2, Australia-29, Aug. 26, 1995; OMNH-Ar-10730: 1, Australia-30, Sep. 2, 1995
- Mictyridae Dana, 1851**
- ミナミコメツキガニ科
- Genus *Mictyris* Latreille, 1806**
- ミナミコメツキガニ属
- Mictyris brevidactylus* Stimpson, 1858
- OMNH-Ar-10882: 2, Australia-13, Dec. 11, 1994; OMNH-Ar-10883: 5, Australia-16, Dec. 13, 1994; OMNH-Ar-10884: 3, Australia-5, Nov. 29, 1994
- Mictyris longicarpus* Latreille, 1806
- OMNH-Ar-10760: 3, Australia-26, Aug. 25, 1995; OMNH-Ar-10783: 6, Australia-19, Dec. 17, 1994; OMNH-Ar-10784: 3, Australia-13, Dec. 11, 1994
- Mictyris occidentalis* Unno, 2008
- OMNH-Ar-10749: 9, Australia-24, Aug. 21, 1995
- Mictyris platycheles* H. Milne Edwards, 1852

OMNH-Ar-10785: 6, Australia-21, Dec. 25, 1994
Mictyris sp.

OMNH-Ar-10761: 10, Australia-28, Aug. 29, 1995

Family Ocypodidae Rafinesque, 1815

スナガニ科

Subfamily Ocypodinae Rafinesque, 1815

スナガニ亜科

Genus *Ocypode* Weber, 1795

スナガニ属

Ocypode ceratophthalma (Pallas, 1772) ツノメガニ

OMNH-Ar-11445: 2, Hong Kong-3, Apr. 7, 1983,
Col. 阿部直哉

Ocypode convexa Quoy & Gaimard, 1824

OMNH-Ar-10687: 2, Australia-24, Aug. 22, 1995;
OMNH-Ar-10762: 1, Australia-27, Aug. 31, 1995

Ocypode gaudichaudii H. Milne Edwards & Lucas,
1843

OMNH-Ar-12170: 1, Panama-6, Apr. 24, 1999

Ocypode quadrata (Fabricius, 1787)

OMNH-Ar-11490: 1, USA-7, May 2, 1996;
OMNH-Ar-11491: 1, USA-12, Aug. 18, 1999

Subfamily Gelasiminae Miers, 1886

シオマネキ亜科

Genus *Austruca* Bott, 1973

ハクセンシオマネキ属

Subgenus *Austruca* Bott, 1973

ハクセンシオマネキ亜属

Austruca (Austruca) lactea (De Haan, 1835) ハクセ
ンシオマネキ

OMNH-Ar-10711: 1, Taiwan-8, Mar. 17, 1996;
OMNH-Ar-11232: 3, Korea-3, Sep. 15, 1992 ;
OMNH-Ar-11747: 1, Hong Kong-3, Apr. 12,
1983, Col. 大垣俊一

Austruca (Austruca) mjoebergi (Rathbun, 1924)

OMNH-Ar-10752: 1, Australia-23, Aug. 21, 1995;
OMNH-Ar-10753: 2, Australia-24, Aug. 21, 1995;
OMNH-Ar-10754: 6, Australia-24, Aug. 22, 1995;
OMNH-Ar-10837: 7, Australia-29, Aug. 29, 1995;
OMNH-Ar-10838: 4, Australia-27, Aug. 31, 1995

Austruca (Austruca) perplexa (H. Milne Edwards,
1852) オキナワハクセンシオマネキ

OMNH-Ar-10871: 4, Australia-3, Nov. 30, 1994;
OMNH-Ar-10872: 3, Australia-5, Nov. 29, 1994;
OMNH-Ar-10873: 1, Australia-19, Dec. 17, 1994

Subgenus *Cuneatuca* Rosenberg, 2019

シモフリシオマネキ亜属

Austruca (Cuneatuca) triangularis (A. Milne

Edwards, 1873) シモフリシオマネキ

OMNH-Ar-10866: 3, Australia-6, Dec. 2, 1994

Genus *Gelasimus* Latreille, 1817

ヒメシオマネキ属

Subgenus *Gelasimus* Latreille, 1817

ヒメシオマネキ亜属

Gelasimus (Gelasimus) borealis (Crane, 1975) ホン
コンシオマネキ

OMNH-Ar-10565: 1, Taiwan-11, Nov. 7, 1988;

OMNH-Ar-10566: 2, Taiwan-2, Nov. 3, 1988;

OMNH-Ar-10590: 1, Taiwan-1, Mar. 25, 1996;

OMNH-Ar-10710: 1, Taiwan-2, Nov. 3, 1988

Gelasimus (Gelasimus) dampieri (Crane, 1975)

OMNH-Ar-10835: 5, Australia-29, Aug. 29, 1995;

OMNH-Ar-10836: 6, Australia-28, Aug. 29, 1995;

OMNH-Ar-10880: 2, Australia-28, Aug. 28, 1995

Gelasimus (Gelasimus) vomeris (McNeill, 1920)

OMNH-Ar-10862: 2, Australia-13, Dec. 11, 1994;

OMNH-Ar-10863: 5, Australia-2, Nov. 30, 1994;

OMNH-Ar-10864: 3, Australia-5, Nov. 29, 1994;

OMNH-Ar-10865: 3, Australia-16, Dec. 13, 1994

Genus *Leptuca* Bott, 1973

Leptuca batuenta (Crane, 1941)

OMNH-Ar-11433:3, Panama-4, Mar. 4, 1999

Leptuca beebei (Crane, 1941)

OMNH-Ar-11439:4, Panama-4, Apr. 30, 1999;

OMNH-Ar-11451: 11, Panama-4, Jan. 16, 1999

Leptuca cumulanta (Crane, 1943)

OMNH-Ar-11432: 3, Panama-2, Apr. 22, 1999

Leptuca deichmanni (Rathbun, 1935)

OMNH-Ar-11448: 4, Panama-4, Jan. 18, 1999

Leptuca festae (Nobili, 1901)

OMNH-Ar-11463: 1, Panama-3, May 2, 1999

Leptuca inaequalis (Rathbun, 1935)

OMNH-Ar-11434: 2, Panama-4, Jan. 20, 1999;

OMNH-Ar-11435: 2, Panama-4, Mar. 7, 1999

Leptuca latimanus (Rathbun, 1893)

OMNH-Ar-11437: 1, Panama-7, Apr. 24, 1999;

OMNH-Ar-11462: 3, Panama-5, Apr. 7, 1999;

OMNH-Ar-11487: 2, Panama-6, Apr. 24, 1999

Leptuca musica (Rathbun, 1914)

OMNH-Ar-11461: 4, Panama-4, Jan. 18, 1999;

OMNH-Ar-11488: 1, Panama-6, Apr. 24, 1999

Leptuca oestedi (Rathbun, 1904)

OMNH-Ar-11464: 5, Panama-3, May 1, 1999

Leptuca pugilator (Bosc, 1802)

OMNH-Ar-11422: 3, USA-6, May 2, 1996;

OMNH-Ar-11423: 2, USA-6, May 5, 1996;

OMNH-Ar-11424: 6, USA-2, May 1, 1996;

- OMNH-Ar-11471: 2, USA-7, May 2, 1996;
 OMNH-Ar-11472: 5, USA-5, Apr. 29, 1996;
 OMNH-Ar-11484: 2, USA-5, May 2, 1996;
 OMNH-Ar-11485: 1, USA-3, June 15, 1999;
 OMNH-Ar-11486: 2, USA-15, Jul. 30, 1999
- Leptuca saltitanta* (Crane, 1941)
 OMNH-Ar-11436: 4, Panama-4, Jan. 20, 1999
- Leptuca speciosa* (Ives, 1891)
 OMNH-Ar-11425: 1, USA-6, May 3, 1996;
 OMNH-Ar-11426: 1, USA-7, May 5, 1996;
 OMNH-Ar-11429: 2, USA-15, Jul. 30, 1999;
 OMNH-Ar-11430: 2, USA-17, Jul. 31, 1999;
 OMNH-Ar-11431: 1, USA-11, Aug. 18, 1999;
 OMNH-Ar-11473: 5, USA-7, May 2, 1996;
 OMNH-Ar-11474: 5, USA-7, Apr. 29, 1996;
 OMNH-Ar-11475: 1, USA-5, May 4, 1996;
 OMNH-Ar-11495: 2, USA-9, Aug. 5, 1999;
 OMNH-Ar-11496: 2, USA-16, Jul. 31, 1999;
 OMNH-Ar-11497: 3, USA-17, Jul. 31, 1999
- Leptuca stenodactylus* (H. Milne Edwards & Lucas, 1843)
 OMNH-Ar-11457: 4, Panama-4, Jan. 16, 1999;
 OMNH-Ar-11458: 6, Panama-4, Jan. 18, 1999
- Leptuca tallanica* (von Hagen, 1968)
 OMNH-Ar-11438: 2, Panama-4, Apr. 18, 1999;
 OMNH-Ar-11465: 1, Panama-4, Apr. 30, 1999
- Leptuca thayeri* (Rathbun, 1900)
 OMNH-Ar-11466: 2, Panama-1, Mar. 27, 1999;
 OMNH-Ar-11479: 2, USA-7, May 4, 1996;
 OMNH-Ar-11480: 2, USA-5, Apr. 29, 1996
- Leptuca umbratila* (Crane, 1941)
 OMNH-Ar-11447: 1, Panama-3, Apr. 8, 1999;
 OMNH-Ar-11467: 2, Panama-3, May 1, 1999
- Genus *Minuca* Bott, 1954**
- Minuca galapagensis* (Rathbun, 1902)
 OMNH-Ar-11468: 6, Panama-5, Apr. 7, 1999
- Minuca longisignalis* (Salmon & Atsides, 1968)
 OMNH-Ar-11483: 8, USA-16, Jul. 31, 1999
- Minuca minax* (LeConte, 1855)
 OMNH-Ar-11481: 3, USA-14, Jul. 31, 1999;
 OMNH-Ar-11482: 4, USA-18, Jul. 31, 1999
- Minuca pugnax* (Smith, 1870)
 OMNH-Ar-11567: 4, USA-2, May 1, 1996
- Minuca rapax* (Smith, 1870)
 OMNH-Ar-11427: 1, USA-2, May 1, 1996;
 OMNH-Ar-11428: 1, USA-7, May 5, 1996;
 OMNH-Ar-11452: 4, Panama-1, Mar. 27, 1999;
 OMNH-Ar-11453: 4, Panama-2, Apr. 22, 1999;
 OMNH-Ar-11476: 3, USA-7, May 4, 1996;
- OMNH-Ar-11477: 8, USA-7, Apr. 29, 1996;
 OMNH-Ar-11478: 7, USA-7, May 2, 1996;
 OMNH-Ar-11492: 5, USA-13, Aug. 19, 1999;
 OMNH-Ar-11493: 3, USA-10, Aug. 5, 1999;
 OMNH-Ar-11494: 1, USA-8, Aug. 2, 1999
- Minuca vocator* (Herbst, 1804)
 OMNH-Ar-11469: 1, Panama-2, Apr. 22, 1999;
 OMNH-Ar-11470: 1, Panama-1, Mar. 27, 1999
- Genus *Tubuca* Bott, 1973**
 シオマネキ属
- Subgenus *Tubuca* Bott, 1973**
 シオマネキ亜属
- Tubuca (Tubuca) arcuata* (De Haan, 1835)
 OMNH-Ar-11233: 2, Taiwan-2, Oct. 31, 1988;
 OMNH-Ar-11234: 1, Korea-3, Aug. 27, 1994;
 OMNH-Ar-11235: 1, Korea-5, May 4, 1992;
 OMNH-Ar-11746: 1, Hong Kong-2, Apr. 13, 1983, Col. 竹ノ内孝一
- Tubuca (Tubuca) capricornis* (Crane, 1975)
 OMNH-Ar-10766: 2, Australia-29, Aug. 31, 1995;
 OMNH-Ar-10828: 9, Australia-29, Aug. 29, 1995;
 OMNH-Ar-10840: 1, Australia-29, Aug. 28, 1995
- Tubuca (Tubuca) coarctata* (H. Milne Edwards, 1852) リュウキュウシオマネキ
 OMNH-Ar-10755: 2, Australia-14, Dec. 12, 1994;
 OMNH-Ar-10763: 2, Australia-10, Dec. 2, 1994;
 OMNH-Ar-10868: 3, Australia-2, Nov. 30, 1994;
 OMNH-Ar-10869: 3, Australia-6, Dec. 2, 1994;
 OMNH-Ar-10870: 1, Australia-7, Dec. 3, 1994
- Tubuca (Tubuca) flammula* (Crane, 1975)
 OMNH-Ar-10764: 1, Australia-29, Aug. 26, 1995;
 OMNH-Ar-10765: 2, Australia-27, Aug. 31, 1995;
 OMNH-Ar-10767: 4, Australia-32, Aug. 30, 1995
- Subgenus *Australuca* Crane, 1975**
- Tubuca (Australuca) elegans* (George & Jones, 1982)
 OMNH-Ar-10695: 3, Australia-23, Aug. 21, 1995;
 OMNH-Ar-10696: 1, Australia-24, Aug. 21, 1995;
 OMNH-Ar-10768: 7, Australia-27, Aug. 31, 1995;
 OMNH-Ar-10769: 4, Australia-33, Sep. 1, 1995;
 OMNH-Ar-10829: 3, Australia-33, Aug. 30, 1995;
 OMNH-Ar-10830: 4, Australia-27, Aug. 31, 1995
- Tubuca (Australuca) hirsutimanus* (George & Jones, 1982)
 OMNH-Ar-10839: 2, Australia-29, Aug. 31, 1995
- Tubuca (Australuca) polita* (Crane, 1975)
 OMNH-Ar-10859: 6, Australia-1, Dec. 9, 1994;
 OMNH-Ar-10860: 1, Australia-13, Dec. 11, 1994;
 OMNH-Ar-10861: 1, Australia-14, Dec. 12, 1994

Tabuca (Australuca) seismella (Crane, 1975)
 OMNH-Ar-10831: 7, Australia-31, Aug. 30, 1995;
 OMNH-Ar-10832: 4, Australia-29, Aug. 31, 1995
Tabuca (Australuca) signata (Hess, 1865)
 OMNH-Ar-10833: 13, Australia-33, Sep. 1, 1995;
 OMNH-Ar-10834: 1, Australia-33, Aug. 30, 1995;
 OMNH-Ar-10867: 3, Australia-10, Dec. 2, 1994

Genus *Xeruca* Shih, 2015

Xeruca formosensis (Rathbun, 1921)
 OMNH-Ar-10564: 3, Taiwan-10, Nov. 9, 1988

Subfamily Ucinæ Dana, 1851

Genus *Uca* Leach, 1814

Subgenus *Uca* Leach, 1814

Uca (Uca) heteropleura (Smith, 1870)
 OMNH-Ar-11454: 2, Panama-4, Jan. 18, 1999
Uca (Uca) princeps (Smith, 1870)
 OMNH-Ar-11459: 1, Panama-4, Apr. 30, 1999;
 OMNH-Ar-11460: 1, Panama-7, Apr. 24, 1999
Uca (Uca) stylifera (H. Milne Edwards, 1852)

OMNH-Ar-11449: 2, Panama-4, Jan. 28, 1999;
 OMNH-Ar-11450: 3, Panama-7, Apr. 24, 1999
Subgenus *Acanthoplax* H. Milne Edwards, 1852
Uca (Acanthoplax) ornata (Smith, 1870)
 OMNH-Ar-11455: 1, Panama-7, Apr. 24, 1999;
 OMNH-Ar-11456: 1, Panama-4, Feb. 2, 1999

文献

和田恵次 2019a. ベトナムの沿岸域で1995-2007年に記録されたカニ類. *Cancer* (28) : e138-e143.
 和田恵次 2019b. インドネシアのマングローブ湿地で1984-2001年に記録されたカニ類. *Cancer* (28) : e144-e147.
 和田恵次 2020a. 南タイのマングローブ湿地で1982年に記録されたカニ類. *Cancer* (29) : e99-e101.
 和田恵次 2020b. フィリピンのマングローブ湿地で2000年に記録されたカニ類. *Cancer* (29) : e102-e105.

Table 1. Localities of sampling sites in Korea.

No	Locality	Latitude & Longitude
1	Ponaeri, Gimpo	37° 44'N, 126° 32'E
2	Yopori, Kanghwa-do	37° 42'N, 126° 23'E
3	Choji-ri, Kanghwa-do	37° 38'N, 126° 32'E
4	Sinoeri, Namyang	37° 18'N, 126° 48'E
5	Anmyeondo	37° 34'N, 126° 19'E
6	Tokchok-do	37° 13'N, 126° 09'E
7	Seocheon	36° 05'N, 126° 38'E
8	Gunsan	35° 59'N, 126° 42'E
9	Mokpo	34° 47'N, 126° 23'E
10	Tamjin River, Gangjin	34° 37'N, 126° 46'E
11	Yongwon, Pusan	35° 06'N, 128° 49'E
12	Nagdong River Estuary	35° 04'N, 128° 55'E
13	Tadaepo, Pusan	35° 03'N, 128° 58'E

Table 2. Localities of sampling sites in Taiwan.

No	Locality	Latitude & Longitude
1	Watzuwei, Taipei	25° 10'N, 121° 25'E
2	Chuwei, Taipei	25° 09'N, 121° 27'E
3	Guandu, Taipei	25° 07'N, 121° 28'E
4	Chuanhsing, Changhua	24° 12'N, 120° 30'E
5	Shenkong, Changhua	24° 11'N, 120° 28'E
6	Chiuhuwei Stream, Yunlin	23° 42'N, 120° 11'E
7	Santiaolun, Yunlin	23° 40'N, 129° 09'E
8	Potzu Stream, Tungshih, Chiayi	23° 27'N, 120° 09'E
9	Putai, Chiayi	23° 24'N, 120° 10'E
10	Peimen, Tainan	23° 16'N, 120° 08'E
11	Mashakou, Tainan	23° 13'N, 120° 06'E
12	Chiku, Tainan	23° 07'N, 120° 05'E
13	Dulang Bay, Taitung	22° 52'N, 121° 13'E
14	Paoli Stream, Pingtung	22° 03'N, 120° 42'E
15	Lanyu	22° 02'N, 121° 33'E
16	信賢小谷	23° 54'N, 121° 05'E

Table 3. Localities of sampling sites in Hong Kong, Thailand, Indonesia and Philippines.

No	Locality	Latitude & Longitude
Hong Kong		
1	Mai Po Marshes	22° 30'N, 114° 02'E
2	Pak Nai Deep Bay	22° 26'N, 113° 57'E
3	Hoi Sing Wan	22° 22'N, 114° 07'E
Thailand		
1	Hatsaikhao, Ranong	9° 53'N, 98° 30'E
2	Klung, Chantaburi	12° 26'N, 102° 13'E
Indonesia		
1	Ulak Karang, Padang, Sumatra	1° 06'S, 100° 22'E
2	Sungai Pisang, Sumatra	1° 07'S, 100° 23'E
3	Sioban, Pulau Sipura, Sumatra	3° 48'S, 99° 43'E
4	Sosobok, Kao, Halmahera	1° 09'N, 127° 54'E
5	Wangeotak, Kao, Halmahera	1° 09'N, 127° 54'E
Philippines		
1	Palangan, Mindoro	13° 31'N, 120° 58'E

Table 4. Localities of sampling sites in Australia.

No	Locality	Latitude & Longitude
Queensland		
1	Thursday Island	11° 25'S, 142° 13'E
2	Bloomfield River, Ayton St. 1	16° 04'S, 145° 21'E
3	Bloomfield River, Ayton St. 2	16° 05'S, 145° 22'E
4	Cairns Harbour	17° 05'S, 145° 47'E
5	Pebbly Beach, Port Douglas	17° 26'S, 145° 31'E
6	Flying Fish Point, Innisfail	18° 29'S, 146° 04'E
7	Groper Creek, Ayr	20° 19'S, 147° 32'E
8	Cockle Bay, Magnetic Island	20° 49'S, 146° 50'E
9	AIMS, Townsville St. 1	20° 43'S, 147° 02'E
10	AIMS, Townsville St. 2	20° 43'S, 147° 02'E
11	Ross River, Townsville	20° 43'S, 146° 49'E
12	Boggy Creek, Brisbane	25° 09'S, 152° 06'E
13	Nudgee Beach, Brisbane	28° 06'S, 153° 06'E
14	Botanic Garden, Brisbane	28° 31'S, 153° 02'E
15	Bribie Island	28° 59'S, 153° 06'E
16	Tallebudgera, Gold Coast St. 1	29° 53'S, 153° 27'E
17	Tallebudgera, Gold Coast St. 2	29° 54'S, 153° 27'E
New South Wales		
18	Salt Pan Creek, Riverwood, Sydney	34° 03'S, 151° 03'E
19	Kurnell, Sydney	35° 59'S, 151° 12'E
Victoria		
20	Altona Bay	38° 07'S, 144° 48'E
21	Eastern View	39° 31'S, 144° 02'E
22	Warnett	39° 47'S, 145° 18'E
Western Australia		
23	One-mile Jetty, Gascoyne River, Carnarvon	25° 07'S, 113° 38'E
24	Small Boat Harbour, Carnarvon	25° 06'S, 113° 39'E
25	Massey Bay, Carnarvon	25° 06'S, 113° 40'E
Northern Territory		
26	Buffalo Creek, Darwin	13° 40'S, 130° 54'E
27	Rapid Creek, Darwin	13° 37'S, 130° 52'E
28	East Point, Darwin	13° 35'S, 130° 50'E
29	Ludmilla Creek, Darwin	13° 35'S, 130° 50'E
30	Sadgrove Creek, Darwin	13° 33'S, 130° 51'E
31	Channel Island St. 1	13° 27'S, 130° 52'E
32	Channel Island St. 2	13° 27'S, 130° 52'E
33	Channel Island St. 3	13° 26'S, 130° 53'E
34	South Alligator River	13° 20'S, 132° 31'E

Table 5. Localities of sampling sites in USA.

No	Locality	Latitude & Longitude
1	Smithsonian Environmental Research Centre, Maryland	38° 54'N, 77° 28'W
2	Daytona Beach, Florida	29° 13'N, 82° 59'W
3	Mosquito Impoundment, Fort Pierce, Florida	27° 31'N, 81° 41'W
4	St. Lucie Inlet, Fort Pierce, Florida	27° 30'N, 81° 42'W
5	Jim Island, Fort Pierce, Florida	27° 29'N, 81° 41'W
6	Jack Island, Fort Pierce, Florida	27° 29'N, 81° 41'W
7	Smithsonian Marine Station 1, Fort Pierce, Florida	27° 29'N, 81° 42'W
8	Smithsonian Marine Station 2, Fort Pierce, Florida	27° 27'N, 81° 41'W
9	North Hutchinson Island, Fort Pierce, Florida	27° 20'N, 81° 46'W
10	South Hutchinson Island, Fort Pierce, Florida	27° 18'N, 81° 47'W
11	Sugarloaf, Key, Florida	24° 39'N, 82° 26'W
12	Bahia Honda Key, Florida	24° 40'N, 82° 45'W
13	Chokoloskee, Florida	26° 51'N, 82° 37'W
14	King's Bay, Crystal River, Florida	28° 54'N, 82° 22'W
15	Crystal River mouth, Florida	28° 55'N, 83° 18'W
16	Yankeetown, Florida	29° 01'N, 83° 15'W
17	Cedar Key, Florida	29° 08'N, 84° 58'W
18	Fowler Bluff, Florida	29° 24'N, 84° 58'W

Table 6. Localities of sampling sites in Panama.

No	Locality	Latitude & Longitude
1	Bocas del Toro (Smithsonian Station)	9° 21'N, 83° 45'W
2	Galeta (Smithsonian Station)	9° 24'N, 80° 08'W
3	Diablo	8° 58'N, 80° 26'W
4	Rodman	8° 57'N, 80° 26'W
5	Kobbe Beach	8° 56'N, 80° 26'W
6	Aguadulce	8° 12'N, 81° 31'W
7	Chitre	8° 00'N, 81° 36'W