

## Deep water Decapoda collected during the BENTHEDI Expedition in Mayotte region (17/03 to 15/04/1977, R/V *Suroît*)

J. Poupin, Institut de Recherche de l'École Navale, IRENav, BCRM de Brest, École navale, CC 600 - Lanvéoc, F-29240 BREST Cedex 9, FRANCE, [joseph.poupin@ecole-navale.fr](mailto:joseph.poupin@ecole-navale.fr)

SEANOE Sea scientific open data edition at <http://www.seanoe.org/data/00298/40956/>

### Summary

The BENTHEDI 1977 Expedition took place in Mayotte region from March 17 to April 15, 1977, on board the Research Vessel R/V *Suroît* (SISMER, 2015). Trawls and dredges were operated from 150-3716 m (mean depth prospected 524 m), with a few shallow waters collections between 3-50 m. The Crustacea Decapoda of this cruise are deposited in the Muséum national d'Histoire naturelle, Paris (MNHN). They have been studied later after the cruise and appear sporadically in taxonomic revisions published between 1985 and 2012. A compilation of these results is presented herein with a list à 47 Decapoda extracted on December 2, 2015 from the CRUSTA a database maintained online by Legall & Poupin (2015). Taxonomic classification follows De Grave *et al.* (2009) and WoRMS (2015). Photographs of several species can be consulted via Legall & Poupin (2015) using this link [http://crustiesfroverseas.free.fr/search\\_result.php?refregion=BENTHEDI](http://crustiesfroverseas.free.fr/search_result.php?refregion=BENTHEDI)

### List of Decapoda from BENTHEDI

**ORDER DECAPODA Latreille, 1802**

**SUBORDER DENDROBRANCHIATA Bate, 1888**

**Superfamily Penaeoidea Rafinesque, 1815**

**Family Aristeidae Wood-Mason & Alcock, 1891**

***Hemipenaeus carpenteri* Wood-Mason & Alcock, 1891**

*Hemipenaeus carpenteri* - Crosnier, 1985: 862, BENTHEDI, st. CH 82, 3450 m, 1 abdomen MNHN Na6383, st. CH 90, 3700 m, 2 females 23.0 et 28.4 mm, MNHN Na6382.

***Plesiopenaeus armatus* (Bate, 1881)**

*Plesiopenaeus armatus* - Crosnier, 1985: 863, BENTHEDI, st. CH 13, 2300-2500 m, 1 female 45.1 mm, MNHN Na6386, st. CH 90, 3700 m, 1 female 74.5 mm, MNHN Na6387.

**Family Benthescymidae Wood-Mason in Wood-Mason & Alcock, 1891**

***Benthesicymus altus* Bate, 1881**

*Benthesicymus altus* - Crosnier, 1985: 857, BENTHEDI, st. CH 13, 2300-2500 m, 1 female 28.5 mm, MNHN Na6446; st. CH 82, 3450 m, 1 tip of tail MNHN Na6380.

***Benthesicymus laciniatus* Rathbun, 1906**

*Benthesicymus laciniatus* - Crosnier, 1985: 851, BENTHEDI, st. CH 13, 2300-2500 m, 2 males 19.3 and 36.0 mm, 1 female 39.2 mm, MNHN Na6449.

***Benthesicymus seymouri* Tirmizi, 1960**

*Benthesicymus seymouri* - Crosnier, 1985: 847, BENTHEDI, st. CH 87, 3716 m, 1 male about 40 mm, MNHN Na6451.

***Benthesicymus tirmiziae* Crosnier, 1978**

*Benthesicymus tirmiziae* - Crosnier, 1985: 857, BENTHEDI, st. CH 13, 2300-2500 m, 1 male 30.5 mm, 2 females 27.1 and 28.8 mm, MNHN Na6381.

***Benthesicymus urinator* Burkenroad, 1936**

*Benthesicymus urinator* - Crosnier, 1985: 843, BENTHEDI, st. CH 90, 3700 m, 1 female 23 mm, MNHN Na6379.

**Family Penaeidae Rafinesque, 1815**

***Metapenaeopsis incisa* Crosnier, 1991**

*Metapenaeopsis incisa* - Crosnier, 1991: 277, Glorieuses, BENTHEDI, 8 April 1977, st. D 101, 11°25.7'S, 47°19.5'E, 26 m, coral sand, 1 male 7.0 mm, MNHN Na12630.

**Family Sicyoniidae Ortmann, 1898**

***Sicyonia fallax* De Man, 1907**

*Sicyonia fallax* - Crosnier, 1985: 874, Glorieuses, BENTHEDI, st. F 103, 150-670 m, 1 female 6.5 mm, MNHN Na6456. - Crosnier, 2003: 259 (same specimen).

***Sicyonia robusta* Crosnier, 2003**

*Sicyonia robusta* Crosnier, 2003: 324, Banc du Geysier, BENTHEDI, 21 March 1977, st. S 15, 12°22'S, 46°23.7'E, 20 m, 1 male 2.0 mm, MNHN; Mayotte, st. S 18, 22 mars 1977, South îlot Gombé Doumé, 12°45'S, 45°15.9'E, mud sand, 15 m, 2 males 2.1 and 2.3 mm, 2 females 2.1 mm, MNHN Na 13528 and 2.2 mm, MNHN.

**Family Solenoceridae Wood-Mason in Wood-Mason & Alcock, 1891**

***Haliporus thetis* Faxon, 1893**

*Haliporus thetis* - Crosnier, 1985: 863, BENTHEDI, st. CH 13, 12°12.7'S, 46°40.8'E, 2300-2500 m, 2 males 24.5 et 28.5 mm, MNHN Na6370. - Crosnier, 1988: 585, same specimens plus BENTHEDI, st. CH 82, 11°59.8'S, 45°42.6'E, 3450 m, 1 female 38,1 mm, MNHN Na9987.

**INFRAORDER CARIDEA Dana, 1852**

**Superfamily Oplophoroidea Dana, 1852**

**Family Oplophoridae Dana, 1852**

***Acanthephyra curtirostris* Wood-Mason & Alcock, 1891**

*Acanthephyra curtirostris* - Crosnier, 1987: 697, BENTHEDI, st. CH 31, 12°37.4'S, 45°25.2'E, 800 m, st. CH 90, 11°44'S, 47°30' E, 3700m, MNHN.

***Acanthephyra indica* Balss, 1925**

*Acanthephyra indica* - Crosnier, 1987: 697, large Banc du Geyser, BENTHEDI, st. CH 82, 11°59.8'S, 45°42.6'E, 3450 m, MNHN.

***Acanthephyra quadrispinosa* Kemp, 1939**

*Acanthephyra quadrispinosa* - Crosnier, 1987: 697, off Banc Geyser, BENTHEDI, st CH 87, 11°44'S, 47°35'E, 3716 m, st. CH90, 11°44'S, 47°30'E, 3700 m, MNHN.

***Acanthephyra smithi* Kemp, 1939**

*Acanthephyra smithi* - Crosnier, 1987: 697, BENTHEDI, st. CH 82, 11°59.8'S, 45°42.6' E, 3450 m; st. CH 87, 11°44'S, 47°35' E, 3716 m, MNHN.

***Acanthephyra tenuipes* (Bate, 1888)**

*Acanthephyra tenuipes* - Crosnier, 1987: 697, BENTHEDI, st. CH 82, 11°59.8'S, 45°42.6' E, 3450 m, 1 male 14 mm, MNHN Na9966.

***Heterogenys microphthalma* (Smith, 1885)**

*Heterogenys microphthalma* - Crosnier, 1987: 698, off Mayotte BENTHEDI, st. CH 82, 11°59.8'S, 45°42.6'E, 3450m; st. CH 87, 11°44'S, 47°35'E, 3716 m, st. CH 90, 11°44'S, 47°30'E, 3700 m, MNHN.

***Janicella spinicauda* (A. Milne-Edwards, 1883)**

*Janicella spinicauda* - Crosnier, 1987: 698, off Mayotte, BENTHEDI, st. CH 82, 11°59.8'S, 45°42.6'E, 3450m; st. CH 87, 11°44'S, 47°35'E, 3716 m, MNHN.

***Systellaspis debilis* (A. Milne-Edwards, 1881)**

*Systellaspis debilis* - Crosnier, 1987: 699, off Mayotte, BENTHEDI, st. CH 31, 12°37.4' S, 45°25.2'E, 1800 m, 2 ovigerous females 12.8 et 13.3 mm, MNHN Na9977; st. CH 87, 11°44'S, 47°35'E, 3716 m, 1 male 11.8 mm, 1 female 10.6 mm, 1 ovigerous female 13.3 mm, MNHN Na9868.

***Systellaspis pellucida* (Filhol, 1885)**

*Systellaspis pellucida* - Crosnier, 1987: 720, off Mayotte, BENTHEDI, 4 April 1977, st. CH 90, 11°44'S, 47°30'E, 3700 m, 1 female 13.2 mm, MNHN Na9877.

**Superfamily Nematocarcinoidea Smith, 1884**

**Family Nematocarcinidae Smith, 1884**

***Nematocarcinus productus* Bate, 1888**

*Nematocarcinus productus* - Burukovsky, 2000 (79-2): 162, BENTHEDI, 20 March 1977, off Bank Geysers, 12°12'7"S, 46°40'E, 2550-2300 m, MNHN. - Burukovsky, 2003: 123 (Idem).

**Superfamily Palaemonoidea Rafinesque, 1815**

**Family Palaemonidae Rafinesque, 1815**

***Periclimenes lepidus* Bruce, 1978**

*Periclimenes lepidus* - Li & Bruce, 2006: 699, Mayotte, North Island Pamanzi, BENTHEDI, 27 March 1997, dredge st. 32R, 12°45.1'S, 45°17.9'E, 15-20 m, coral slope with sand, with Heterocongridae, 1 ovigerous female MNHN Na15942.

***Periclimenes uniunguiculatus* Bruce, 1990**

*Periclimenes uniunguiculatus* - Bruce, 1996: 239, Comoros, off Anjouan, BENTHEDI, st. DS 48, 11°54.6'S, 44°56.8'E, 500 m, 28 March 1977, 1 ovigerous female MNHN Na12870.

***Rapipontonia galene* (Holthuis, 1952)**

*Periclimenes galene* - Bruce, 1996: 232, Comoros, north of Island Pamanzi, BENTHEDI, dredge 25 March 1977, st. 32R, 12°45.1'S, 45°17.9'E, 15-20 m, 1 male, 2 ov. females, 1 juvenile, MNHN Na12866.

***Thaumastocaris streptopus* Kemp, 1922**

*Thaumastocaris streptopus* - Bruce, 1996: 250, Mayotte, north of Island Pamanzi, BENTHEDI, 27 March 1997, dredge st. 32R, 12°45.1'S, 45°17.9'E, 15-20 m, coral slope leading to sand bottom, 3 juveniles MNHN Na12898, 1 post larva? MNHN Na12899.

**Superfamily Crangonoidea Haworth, 1825**

**Family Crangonidae Haworth, 1825**

***Parapontophilus abyssi* (Smith, 1884)**

*Parapontophilus abyssi* - Komai, 2008: 274, Bank Geysers and Glorieuses, BENTHEDI, st. CH 82, 1 April 1977, 11°59,8'S, 45°42,6'E, 3450 m, 1 female 16.2 mm, MNHN Na16081; st. CH 87, 3 April 1977, 11°44'S, 47°35'E, 3716 m, 6 females 13.1-17.8 mm, MNHN Na16082; st. CH 90, 4 mars 1977 11°44'S, 47°30'E, 3700 m, 1 male MNHN Na 9876.

***Parapontophilus longirostris* Komai, 2008**

*Parapontophilus longirostris* Komai, 2008: 305, Mayotte, BENTHEDI, st. CH 31, 25 March 1977, 12°37.4'S, 45°25.2'E, 1800 m, 25.III.1977, 1 male 7.3 mm, MNHN Na16214.

**INFRAORDER ACHELATA Scholtz & Richter, 1995**

**Family Palinuridae Latreille, 1802**

***Puerulus gibbosus* Chan, Ma & Chu, 2013**

*Puerulus gibbosus* Chan, Ma & Chu, 2013: 222, off Mayotte, BENTHEDI, st. F49, 12°55'S, 44°57'E, 300-450 m, 28.03.1977, 1 female cl 37.8 mm (MNHN-IU-2010-6080).

**Family Scyllaridae Latreille, 1825**

***Chelarctus cultrifer* (Ortmann, 1897)**

*Chelarctus cultrifer* - Holthuis, 2002: 572, Glorieuses, 19 mars 1977, BENTHEDI, st. 8 DR, 11°29,2'S, 47°18,2E, 250 m, 1 female ovigère 28 mm, MNHN Pa601. - Yang & Chan, 2012, 450, table 1, *C. cultrifer cultrifer*, MNHN-IU-2011-5106, Islands Glorieuses, JX486083, specimen from BENTHEDI.

**INFRAORDER POLYCHELIDA Scholtz & Richter, 1995**

**Family Polychelidae Wood-Mason, 1875**

***Polycheles typhlops* Heller, 1862**

*Polycheles typhlops* - Galil, 2000: 357, Mayotte, BENTHEDI, st. 61F, W of Grande Passe, 510-474 m, 29.03.1977, MNHN-Pa 1708; st. 114 F, 12°22.3'S, 46°28.2'E, 300-600 m, 11.04.1977, MNHN-Pa 1710.

***Stereomastis sculpta* (Smith, 1880)**

*Polycheles sculptus* - Galil, 2000: 342, off Mayotte, BENTHEDI, st. CA 31, 12°37.4'S, 45°25.2'E, 1800 m, 25/03/1977: 2 males 20.4, 24.4 mm, MNHN-Pa 1709.

**INFRAORDER ANOMURA MacLeay, 1838**

**Superfamily Galattheoidea Samouelle, 1819**

**Family Galatheidae Samouelle, 1819**

***Galathea aegyptiaca* Paul'son, 1875**

*Galathea aegyptiaca* - Macpherson & Robainas-Barcia, 2015, Mayotte, BENTHEDI, st. 16R, 12°45.2'S; 45°16.7'E, 3–8 m, 22 March 1977: 2 ov. F 2.7–2.8 mm; 2 F 1.9–2.0 mm, MNHN-IU-2013-8009.

***Galathea eulimene* Macpherson & Robainas-Barcia, 2015**

*Galathea eulimene* Macpherson & Robainas-Barcia, 2015: 112, Comoros Islands. BENTHEDI, st. 32R, 12°45.1'S, 45°17.9'E, 15–20 m, 25 March 1977: 3 M 1.7–2.1 mm, 3 F 1.6–2.0 mm (MNHN-IU-2013-13967).

***Galathea tanegashimae* Baba, 1969**

*Galathea tanegashimae* - Macpherson & Robainas-Barcia, 2015: 307, Mayotte Island, BENTHEDI, st. R19, 12°46.2'S, 45°15'E, 3 m, 22 March 1977: 1 F 2.1 mm (MNHN-IU-2013-14107), st. R106, 12°25.5'S, 46°16.3'E, 18–24 m, 9 April 1977: 1 F 2.3 mm (MNHN-IU-2013-14132), st. 110FL, 12°25.6'S, 46°16.2'E, 24 m, 10 April 1977: 1 ov. F 2.5 mm (MNHN-IU-2013-14108).

**Superfamily Paguroidea Latreille, 1802**

**Family Diogenidae Ortmann, 1892**

***Areopaguristes micheleae* Rahayu, 2005**

*Stratiotes micheleae* - Rahayu, 2007: 528, Mozambique Channel, BENTHEDI, st. DR 38, Mayotte, East of Bandel  reef, 12°54.8'S, 45°15.6'E, 200-500 m, 26.III.1977, 1 female Lc 2.4 mm, MNHN.

***Paguristes palythophilus* Ortmann, 1892**

*Paguristes palythophilus* - Rahayu, 2007: 521, off Mayotte, Mozambique Channel, BENTHEDI, st. DR 38, Mayotte, East of Bandel  reef, 12°54.8'S, 45°15.6'E, 200-500 m, 26.III.1977, 1 female Lc 3,0 mm, MNHN.

***Pseudopaguristes laurentae* (Morgan & Forest, 1991)**

*Pseudopaguristes laurentae* - Rahayu, 2007: 526, BENTHEDI, West of Glorieuses, st. DR 8, 11°29.2'S, 47°18.2'E, 250 m, 19 March 1977, 1 female Lc 1.5 mm, 2 males Lc 1.8 and 2.0 mm (MNHN), 1 male Lc 1.8 mm, 1 female Lc 2.2 mm, 1 female ovigerous Lc 2.0 mm (MNHN); st. DR 38, Mayotte, East of Bandel , 12°54.8'S, 45°15.6'E, 200-500 m, 26.III.1977, 1 female Lc 3.0 mm, MNHN; West of Grandes Glorieuses, st. F 98, 11°35.5'S, 47°16.5'E, 280-460 m, 7 March 1977, 1 male Lc 3.0 mm (MNHN).

**Family Parapaguridae Smith, 1882**

***Paragiopagurus boletifer* (de Saint Laurent, 1972)**

*Sympagurus boletifer* - Lemaitre, 1994: 382, Mayotte, BENTHEDI, st. 49F, Bov ni Passage, 300-450 m, 28 March 1977, 1 male SI 7.0 mm, 2 females SI 6.1 and 7.0 mm, MNHN Pg5138.

***Strobopagurus sibogae* (de Saint Laurent, 1972)**

*Strobopagurus sibogae* - Lemaitre, 2004b: 369, Glorieuses, BENTHEDI, st. 98F, 7 March 1977, 11°35.5'S, 47°16.5'E, 260-460 m, 1 female SI 6.7 mm, MNHN Pg7132.

***Sympagurus dofleini* (Balss, 1912)**

*Sympagurus dofleini* - Lemaitre, 2004a: 129, BENTHEDI, st. DS 122, 11°32'S, 47°23.2'E, SE Glorieuses Islands, 615-625 m, 12 April 1977, 1 male sl 7.8 mm,

MNHN Pg 5757); st. F 123, 11°31.8'S, 47°23.5'E, SE Glorieuses Islands, 700 m, 12 April 1977: 1 male sl 19.4 mm, MNHN Pg 5758.

#### **Family Pylochelidae Bate, 1888**

##### ***Cheiroplatea stenurus* Forest, 1987**

*Cheiroplatea stenurus* Forest, 1987a: 99, fig. 29, Mayotte, BENTHEDI, st. DR38, 26 March 1977, 12°54.8'S, 45°15.6'E, 200-500 m, holotype male SI 1.8 mm, MNHN Pg3490; 1987b: 316, distribution and ethology. - McLaughlin & Lemaitre, 2009: 176, re-examination of type specimen.

##### ***Pomatocheles stridulans* Forest, 1987**

*Pomatocheles stridulans* Forest, 1987a: 127, fig. 37a-d, 38a, b, Mayotte, BENTHEDI, 28 March 1977, st. F49, 12°54.6'S, 44°56.3'E, 300-450 m, holotype ovigerous female 2,2 mm, MNHN Pg2899; 1987b: 315, distribution and ethology. - McLaughlin & Lemaitre, 2009: 193, re-examination of type specimen.

##### ***Trizocheles hoenssonae* McLaughlin & Lemaitre, 2009**

*Trizocheles balssi* - Forest, 1987: 196, Mayotte, BENTHEDI, see material under McLaughlin & Lemaitre (2009), not *Trizocheles balssi* (Stebbing, 1914). - *Trizocheles hoenssonae* McLaughlin & Lemaitre, 2009: 205, Mayotte, BENTHEDI, 27 March 1977, st. DR41, 13°05'S, 45°05.5'E, 500-300 m, holotype male SI 4.9 mm, MNHN Pg3758. Paratypes: Mayotte, st. F54, 28 March 1977, 13°01'S, 44°55.3'E, 530 m, 1 male SI 4.6 mm, MNHN Pg8053; Glorieuses, st. DS120, 12 April 1977, 11°30'S, 47°24.7'E, 335-390 m, 1 male SI 3.8 mm, MNHN Pg3760; Glorieuses, st. F98, 7 April 1977, 11°35.5'S, 47°16.5'E, 280-460 m, 1 male SI 4.3 mm, 1 ovigerous female SI 4.2 mm, MNHN Pg3759.

#### **INFRAORDER BRACHYURA LINNAEUS, 1758**

##### **Superfamily Dromioidea De Haan, 1833**

##### **Family Dromiidae De Haan, 1833**

##### ***Metadynomene crosnieri* McLay, 1999**

*Metadynomene crosnieri* McLay, 1999: 530, Glorieuses, 7 June 1977, BENTHEDI, 11°32.00'S 47°16.40'E, 330-440 m, 1 female 23.2x22.7 mm, MNHN B22510 (first id as *Dynomene devaneyi* by McLay). - Cleva *et al.*, 2007: 248, type catalogue in MNHN, holotype from Glorieuses, BENTHEDI.

##### **Superfamily Homoloidea De Haan, 1839**

##### **Family Homolidae De Haan, 1839**

##### ***Homolochunia valdiviae* Doflein, 1904**

*Homolochunia valdiviae* - Guinot & Richer de Forges, 1995: 430, Mayotte, BENTHEDI, 29 mars 1977, st. F 61, 12°46'S, 44°58'E, 475-510 m, 1 female ovigerous 35.7x25.8 mm, MNHN B24270.

***Paromolopsis boasi* Wood-Mason in Wood-Mason & Alcock, 1891**

*Paromolopsis boasi* - Guinot & Richer de Forges, 1995: 355, fig; 18f-h, 19a-b, Mayotte, BENTHEDI, 29 mars 1977, st. F 61, Grande Passe de l'ouest, 12°46'S, 44°58'E, 450 m, 1 female ovigerous, MNHN B19886.

**Superfamily Goneplacoidea MacLeay, 1838**

**Family Goneplacidae MacLeay, 1838**

***Psopheticus crosnieri* Guinot, 1990**

*Psopheticus crosnieri* Guinot, 1990: 351, Mayotte, BENTHEDI, st. F 61, West of Grande Passe, 29 March 1977, 12°46.0'S, 44°58'E, 475-510 m, 1 male MNHN B19859.

## References

- Bruce, A. J. (1996) Crustacea Decapoda : Palaemonidae shrimps from the Indo-West Pacific region mainly from New Caledonia. *In*: A. Crosnier (ed.), Résultats des campagnes MUSORSTOM, Volume 15. *Mémoires du Muséum national d'Histoire naturelle, Paris (A)*, **168**, 197-267.
- Burukovsky, R. N. (2000) Taxonomy of *Nematocarcinus* (Decapoda, Nematocarcinidae). 1. Description of disto-ventral organ and revision of *N. productus*, *N. tenuipes*, *N. intermedius*, *N. parvidentatus*, *N. longirostris*, and *N. proximatus*. *Zoologicheskii Zhurnal*, **79(2)**, 161-170.
- Burukovsky, R. N. (2003) The shrimps of the Family of Nematocarcinidae. *Printed in the Kaliningrad State Technical University. Kaliningrad*. 250 pp, 62 fig., 12 tabl. (in Russian).
- Chan, T.-Y., Ma, K. Y. & Chu, K. H. (2013) The deep-sea spiny lobster genus *Puerulus* Ortmann, 1897 (Crustacea, Decapoda, Palinuridae), with descriptions of five new species. *in* Ahyong, S.T., Chan, T.Y., Corbari, L. & Ng, P.K.L (eds), Tropical Deep-Sea Benthos 27. *Mémoires du Muséum national d'Histoire naturelle*, **204**, 191-230.
- Cleva, R., Guinot, D. & Albenga, L. (2007) Annotated catalogue of brachyuran type specimens (Crustacea, Decapoda, Brachyura) deposited in the Muséum national d'Histoire naturelle, Paris. Part I. Podotremata. *Zoosystema*, **29(2)**, 229-279.
- Crosnier, A. (1985) Crevettes pénéides d'eau profonde récoltées dans l'océan Indien lors des campagnes BENTHEDI, SAFARI I et II, MD 32/REUNION. *Bulletin du Muséum national d'Histoire naturelle, Paris*, **7(4)**, 839-877.
- Crosnier, A. (1987) Oplophoridae (Crustacea Decapoda) récoltés de 1971 à 1982 par les navires français dans l'océan Indien occidental sud. *Bulletin du Muséum national d'Histoire naturelle, Paris*, **9(3)**, 695-726.
- Crosnier, A. (1988) Contribution à l'étude des genres *Haliporus* Bate, 1881 et *Gordonella* Tirmizi, 1960 (Crustacea Decapoda Penaeoidea), description de deux espèces nouvelles. *Bulletin du Muséum national d'Histoire naturelle, Paris*, **10(3)**, 563-601.
- Crosnier, A. (1991) Crustacea Decapoda : Les *Metapenaeopsis* indo-ouest-pacifiques sans appareil stridulant (Penaeidae). Deuxième partie. *In*: A. Crosnier (ed.), Résultats des campagnes MUSORSTOM, Volume 9. *Mémoires du Muséum*

- national d'Histoire naturelle, Paris (A)*, **152**, 155-297.
- Crosnier, A. (2003) *Sicyonia* (Crustacea, Decapoda, Penaeoidea, Sicyoniidae) de l'Indo-ouest Pacifique. *Zoosystema*, **25(2)**, 197-350.
- De Grave, S., N.D. Pentcheff, S.T. Ahyong, T.-Y. Chan, K.A. Crandall, P.C. Dworschak, D.L. Felder, R.M. Feldmann, C.H.J.M. Fransen, L.Y.D. Goulding, R. Lemaitre, M.E.Y. Low, J.W. Martin, P.K.L. Ng, C.E. Schweitzer, S.H. Tan & R. Wetzer (2009) A classification of living and fossil genera of decapod crustaceans. *Raffles Bulletin of Zoology*, **supplement 21**, 1-109.
- Forest, J. (1987a) Les Pylochelidae ou "Pagures symétriques" (Crustacea Coenobitoidea). Résultats des campagnes MUSORSTOM, Volume 3. *Mémoires du Muséum national d'Histoire naturelle, Paris (A)*, **137**, 1-254.
- Forest, J. (1987b) Ethology and distribution of Pylochelidae (Crustacea Decapoda Coenobitidae). *Bulletin of Marine Science*, **41(2)**, 309-321.
- Galil, B. S. (2000) Crustacea Decapoda: A revision of the family Polychelidae. In: A. Crosnier (éd.), Résultats des campagnes MUSORSTOM, Volume 21. *Mémoires du Muséum national d'Histoire naturelle, Paris (A)*, **184**, 285-387.
- Guinot, D. (1990) Crustacea Decapoda: le genre *Psopheticus* Wood-Mason, 1892 (Goneplacidae). In: Crosnier A. (ed.), Résultats des campagnes MUSORSTOM, Volume 6. *Mémoires du Muséum national d'Histoire naturelle, Paris (A)*, **145**, 331-367.
- Guinot, D. & Richer de Forges, B. (1995) Crustacea Decapoda Brachyura: Révision de la famille des Homolidae de Haan, 1839. In: A. Crosnier (ed.), Résultats des campagnes MUSORSTOM Volume 13. *Mémoires du Muséum national d'Histoire naturelle*, **163**, 283-517.
- Holthuis, L. B. (2002) The Indo-Pacific scyllarine lobsters (Crustacea, Decapoda, Scyllaridae). *Zoosystema*, **24(3)**, 499-683.
- Komai, T. (2008) A world-wide review of species of the deep-water crangonid genus *Parapontophilus* Christoffersen, 1988 (Crustacea, Decapoda, Caridea), with descriptions of ten new species. *Zoosystema*, **30(2)**, 261-332.
- Legall, N. & Poupin, J. (2015) CRUSTA: Database of Crustacea (Decapoda and Stomatopoda), with special interest for those collected in French overseas territories. At <http://crustiesfroverseas.free.fr/>. Accessed 2015-12-02.
- Lemaitre, R. (1994) Crustacea Decapoda: Deep-water hermit crabs (Parapaguridae) from French Polynesia with description of four new species. In: A. Crosnier (ed.), Résultats des campagnes MUSORSTOM, Volume 12. *Mémoires du Muséum National d'Histoire naturelle*, **161**, 375-419.
- Lemaitre, R. (2004) A review of *Strobopagurus* Lemaitre, 1989 (Crustacea: Decapoda: Paguroidea: Parapaguridae), with description of a new species. *Scientia Marina*, **68(3)**, 355-372.
- Lemaitre, R. (2004) A worldwide review of hermit crab species of the genus *Sympagurus* Smith, 1883 (Crustacea: Decapoda: Parapaguridae). In: Marshall B. & B. Richer de Forges (eds), Tropical Deep-sea Benthos, Volume 23. *Mémoires du Muséum national d'Histoire naturelle*, **191**, 85-149.
- Li, X. & Bruce, A. J. (2006) Further Indo-West Pacific palaemonoid shrimps (Crustacea: Decapoda: Palaemonoidea), principally from the New Caledonian region. *Journal of Natural History*, **40(11-12)**, 611-738.

- Macpherson, E. & Robainas-Barcia, A. (2015) Species of the genus *Galathea* Fabricius, 1793 (Crustacea, Decapoda, Galatheididae) from the Indian and Pacific Oceans, with descriptions of 92 new species. *Zootaxa*, **3913(1)**, 1-335.
- McLaughlin, P. A. & Lemaitre, R. (2009) A new classification for the Pylochelidae (Decapoda: Anomura: Paguroidea). *The Raffles Bulletin of Zoology*, **supplement 20**, 159-231.
- McLay, C. L. (1999) Crustacea Decapoda: Revisions of the family Dynomenidae. In: A. Crosnier (ed.), Résultats des campagnes MUSORSTOM, Volume 20. *Mémoires du Muséum national d'Histoire naturelle, Paris (A)*, **180**, 427-569.
- Rahayu, D. L. (2007) The hermit crabs *Paguristes* Dana, 1851 s.l. (Crustacea, Decapoda, Anomura, Diogenidae) from the western Indian Ocean. *Zoosystema*, **29(3)**, 515-534.
- SISMER (2015) Campagne BENTHEDI I. Référence Sismer FI351977003111, at <http://www.ifremer.fr/sismer/FR/catal/campagne/campagne.htql?crno=77003111>. Accessed 2015-12-02.
- WoRMS Editorial Board (2015). World Register of Marine Species. Available from <http://www.marinespecies.org> at VLIZ. Accessed 2015-12-02.
- Yang, C.-H. & Chan, T.-Y. (2012) The taxonomy of the slipper lobster *Chelarctus cultrifer* (Ortmann, 1897) (Crustacea: Decapoda: Scyllaridae), with description of a new species. *The Raffles Bulletin of Zoology*, **60(2)**, 449-460.

## Disclaimer

This list is computed from taxonomic literature in date of December 2, 2015. Despite the care taken in this research a few references may have been omitted. Additionally, the mention of 'BENTHEDI' has perhaps not always been made in a few revisions yet including Decapoda from this campaign and several Decapoda lots from BENTHEDI are probably still unstudied in MNHN Paris collections. For these reasons the present list should be regarded as provisional.