

# THE PUBLICATIONS AND NEW NOMINAL TAXA INTRODUCED BY JOHN A. ALLEN

P. GRAHAM OLIVER<sup>1</sup> & FIONA HANNAH<sup>2</sup>

<sup>1</sup>National Museum of Wales, Cathays Park, Cardiff, Wales, UK CF10 3NP

<sup>2</sup>School of Life Sciences, University of Glasgow

## INTRODUCTION

John Allen's interest in marine biology began 84 years ago now when he discovered the marine life of rock pools while on holiday with his aunt on the east coast of England. He attended school in Nottingham and began his university studies there (University of Nottingham, 1944) but these were interrupted by his call up for wartime service (1945–48), which he served in the Sherwood Foresters (being later transferred to the Royal Army Medical Corps, 1946–48).

During his army service, John took every opportunity that he could to continue his studies in zoology and marine biology in his spare time; initially at Chelsea Polytechnic, and later at University College Southampton with courses at Plymouth and Bangor. Under the influence of J.E.G. Raymont at Southampton, John's childhood passion for marine biology flourished and on discharge from the army he undertook the University of London external degree in zoology at University College, Southampton in two years. He graduated with BSc (Hons) in 1950.

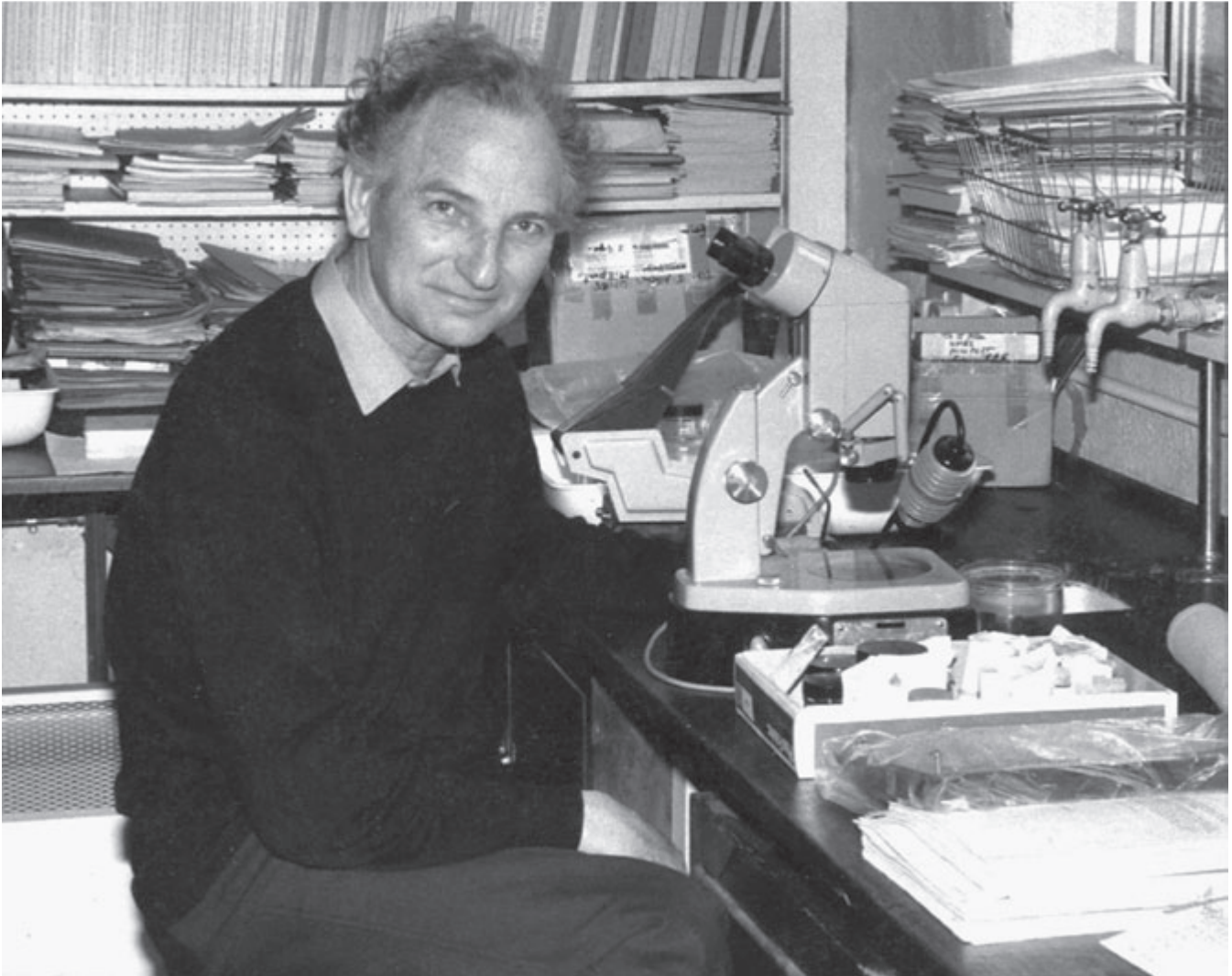
As an undergraduate during his two summer vacations at Southampton, John was employed by the Scottish Marine Biological Association at Millport to work under R.B.Pike on the fauna of the Clyde Sea Area, specifically on the sediments and molluscs. Under Pike's influence, however, he also developed a keen interest in decapod crustaceans. Thus began a long, productive association with the Marine Station at Millport, Isle of Cumbrae.

After graduation, John continued his research at Millport for a year having been awarded a Development Commission Postgraduate Research Training Grant. He was then invited to become an assistant lecturer at the University of Glasgow (1952–1954) by Maurice Yonge. Three

stimulating and happy years followed, cementing a life-long interest in bivalve molluscs. The award of a Royal Society John Murray studentship during this period (1952) allowed John to visit marine stations in France, the West Indies, Bahamas and the US to research the basic form and adaptations to habitat in the Lucinacea (Eulamelibanchiata). This research would later form the basis of his Ph.D.

John's academic career then saw him move to the Dove Marine Laboratory, King's College, Durham (later University of Newcastle) where he was appointed as lecturer in 1954. He remained at the Dove Marine Laboratory until 1976 becoming senior lecturer and eventually, on the retirement of H.O. Bull, appointed as reader in marine biology in charge of the laboratory. John immersed himself in his research while at the Dove. He was awarded his Ph.D as an external student of the University of London in 1956 and in relatively short space of time his D.Sc (1963) by the same university. He was elected as a Fellow of the Royal Society of Edinburgh in 1968 (serving as member of the council from 1970–73).

Whilst at the Dove Marine Laboratory, John formed a very successful and long lasting research partnership with Howard Saunders of the Woods Hole Oceanographic Institution and in so doing became the first British biologist working on deep sea benthos since the days of Challenger Scientists. Their first joint publication was in 1966 whilst their last two publications were in 1996 (list below). He worked at Woods Hole Oceanographic Institution as a post-doctoral fellow on several occasions (1965, 1966, 1969, 1972). He also participated in successful collaborations with scientist at the Scripps Oceanographic Institute (NSF research fellow, 1968) and taught at many universities (Visiting Professor, University of Washington, 1968, 1970, 1971, British Council Lecturer, University of



Bergen, 1972, Royal Society Visiting Professor, University of West Indies, 1976). As a result of his close scientific ties with deep sea researchers around the world, John participated in many research cruises in the Pacific and Atlantic. He also was the first British ecologist to investigate the benthic fauna of the Philippine Trench (on board the RV Thomas Washington). In 1973 John was honoured to become an elected member of the Honorary Deep-Sea Biological Society (which was established in the tradition of Edward Forbes, 1939).

In 1976 John returned to Millport to what was now the University Marine Biological Station Millport. He became its director and professor of marine biology at the University of London. He served in this role until his retirement in 1991 when he became Professor Emeritus, Honorary Research Fellow from 1991 until the closure of

the University Marine Biological Station in 2013. At Millport, John's research on deep sea bivalves continued; new species continued to be discovered and the complexities of various families and genera unraveled. Over this period of time, John served on various councils (NERC, 1977–83, Scottish Marine Biological Association 1977–83, Marine Biological Association, 1981–83 and 1990–93, Nature Conservancy Council, 1982–90 and the British National committee for Oceanic Research, 1988–90). He was elected to serve as President of the Malacological Society of London from 1982–84. He became a Fellow of the Society of Biology (now the Royal Society of Biology) in 2009 after his retirement.

Released from administrative tasks and other commitments on retirement, John was able to return to his love of bivalves and devote his time to these, completing to date 75 papers, 18

since his retirement. All who worked under his guidance have appreciated his passion for the discipline, patience, endless help and friendship.

#### PUBLICATIONS OF JOHN A ALLEN

##### 1953

ALLEN JA 1953a Observations on *Nucula turgida* Marshall and *N. moorei* Winckworth. *Journal of the Marine Biological Association of the United Kingdom* **31** (3): 515–527.

ALLEN JA 1953b Function of the foot in the Lucinacea (Eulamellibranchia). *Nature* **171** (4364): 1117–1118.

ALLEN JA 1953c Observations on the epifauna of the deep-water muds of the Clyde Sea Area, with special reference to *Chlamys septemradiata* (Müller). *Journal of Animal Ecology* **22** (2): 240–260.

##### 1954

ALLEN JA 1954a A comparative study of the British species of *Nucula* and *Nuculana*. *Journal of the Marine Biological Association of the United Kingdom* **33** (2): 457–472.

ALLEN JA 1954b On the structure and adaptations of *Pandora inaequivalvis* and *P. pinna*. *Quarterly Journal of the Microscopical Society* **95** (4): 473–482.

##### 1955

ALLEN MF & ALLEN JA 1955 On the habits of *Pandora inaequivalvis* (Linné). *Proceedings of the Malacological Society of London* **31**: 175–185.

##### 1958

ALLEN JA 1958a On the basic form and adaptations to habitat in the Lucinacea (Eulamellibranchia). *Philosophical Transactions of the Royal Society of London, Series B Biological Sciences* **241** (684): 421–484.

ALLEN JA 1958b Observations on *Cochlodesma praetenuae* (Pulteney) (Eulamellibranchia). *Journal of the Marine Biological Association of the United Kingdom* **37** (1): 97–112.

##### 1959

ALLEN JA 1959 On the biology of *Pandalus borealis* Krøyer, with reference to a population off the Northumberland coast. *Journal of the Marine Biological Association of the United Kingdom* **38**: 189–220.

##### 1960

ALLEN JA 1960a Manganese deposition on the shells of living molluscs. *Nature* **285** (4790): 336–337.

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ALLEN JA 1960d On the biology of *Crangon allmani* Kinahan in Northumberland waters. *Journal of the Marine Biological Association of the United Kingdom* **39** (3): 481–508.

##### 1961

ALLEN JA 1961a The British species of *Thracia* (Eulamellibranchia). *Journal of the Marine Biological Association of the United Kingdom* **41** (3): 723–735.

ALLEN JA 1961b The development of *Pandora inaequivalvis* (Linne). *Journal of Embryology and Experimental Morphology* **9** (2): 252–268.

##### 1962

ALLEN JA 1962a Observations on *Spirontocaris* from Northumberland waters. *Crustaceana* **3** (3): 227–238.

ALLEN JA 1962b Preliminary experiments on the feeding and excretion of bivalves using *Phaeodactylum* labelled with <sup>32</sup>P. *Journal of the Marine Biological Association of the United Kingdom* **42** (3): 609–623.

##### 1965

ALLEN JA 1965a Observations on the biology of *Pandalina brevirostris* (Decapoda; Crustacea). *Journal of the Marine Biological Association of the United Kingdom* **45** (2): 291–304.

ALLEN JA 1965b Records of Mollusca from the north-west Atlantic obtained by Canadian fishery research vessels, 1946–61. *Journal of the Fisheries Research Board of Canada* **22**(4): 977–997.

##### 1966

ALLEN JA & SANDERS HL 1966 Adaptations to abyssal life as shown by the bivalve *Abra profundorum* (Smith). *Deep-sea Research* **13** (6 pt.1): 1175–1184.

##### 1968

ALLEN JA 1968 The functional morphology of *Crassinella mactracea* (Linsley) (Bivalvia: Astartacea). *Proceedings of the Malacological Society of London* **38** (1): 27–40.

##### 1969

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ALLEN JA 1969b Experiments on uptake of radioactive phosphorus by bivalves and its subsequent distribution within body. *Comparative Biochemistry and Physiology* **36** (1): 131–141.

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##### 1970

ALLEN JA & TURNER JF 1970 Morphology of *Fimbria fimbriata* (Linne) (Bivalvia-Lucinidae). *Pacific Science* **24** (2): 147–154.

## 1971

ALLEN JA 1971 Evolution and functional morphology of the deep water protobranch bivalves of the Atlantic. *Proceedings of the Joint Oceanographic Assembly (Tokyo 1970)*, 251–253.

ALLEN JA & GARRETT MR 1971 Excretion of ammonia and urea by *Mya arenaria* L. (Mollusca-Bivalvia). *Comparative Biochemistry and Physiology* **39** (4A): 633–642.

## 1972

ALLEN JA & GARRETT MR 1972 Studies on taurine in the euryhaline bivalve *Mya arenaria* (Mollusca-Bivalvia). *Comparative Biochemistry and Physiology* **41** (2A): 307–317.

ALLEN JA & SCHELTEMA RS 1972 Functional morphology and geographical distribution of *Planktomya henseni*, a supposed neotenous pelagic bivalve. *Journal Of The Marine Biological Association Of The United Kingdom* **52** (1): 19–31.

## 1973

ALLEN JA 1973a, Functional morphology of the Verticordiidae, Bivalvia. *Malacologia* **14** (1–2): 143

ALLEN JA 1973b The adaptations of the bivalves of the Atlantic abyssal plain. *Proceedings of the Challenger Society* **4**.

ALLEN JA & SANDERS HL 1973 Studies on the deep-sea Protobranchia. The families Siliculidae and Lametilidae. *Bulletin of the Museum of Comparative Zoology Harvard University* **145**: 263–310.

SANDERS HL & ALLEN JA 1973, Studies on the deep-sea Protobranchia (Bivalvia): prologue and the Pristiglomidae. *Bulletin of the Museum of Comparative Zoology Harvard University*, **145**: 237–271.

## 1974

ALLEN JA & TURNER JF 1974 On the functional morphology of the family Verticordiidae (Bivalvia) with descriptions of new species from the abyssal Atlantic. *Philosophical Transactions of the Royal Society of London, B* **268**: 401–536.

## 1975

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## 1976

ALLEN JA 1976 Biology and functional-morphology of *Chama gryphoides* Linne (Bivalvia: Chamidae). *Vie et Milieu Serie A-Biologie Marine* **26** (2): 243–260.

ALLEN, JA, COOK, M, JACKSON DJ, PRESTON S & WORTH EM 1976 Observations on the rate of production and mechanical properties of the byssus threads of *Mytilus edulis*. *Journal of Molluscan Studies* **42** (2): 279–289

MORGAN RE & ALLEN JA 1976 On the functional morphology and adaptations of *Entodesma saxicola* (Bivalvia: Anomalodesmacea). *Malacologia* **15** (2): 233–240.

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SANDERS HL & ALLEN JA 1977 Studies on the deep-sea Protobranchia (Bivalvia): the family Tindariidae and the genus *Pseudotindaria*. *Bulletin of the Museum of Comparative Zoology Harvard University* **148**: 23–59.

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ALLEN JA 1978 Evolution of deep-sea protobranch bivalves. *Philosophical Transactions of The Royal Society of London Series B-Biological Sciences* **284** (1001): 387–401.

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ALLEN JA 1979 Adaptations and radiation of deep-sea bivalves. *Sarsia* **64** (1–2): 19–27.

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**1985**

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**1989**

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**1991**

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**1992**

ALLEN JA 1992 The evolution of the hindgut of the deep-sea protobranch bivalves. *American Malacological Bulletin* **9**: 187–192.

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ALLEN JA & SANDERS HL 1996a Studies on the deep-sea Protobranchia (Bivalvia); the family Neilonellidae and the subfamily Nuculanidae. *Bulletin of the British Museum (Natural History), Zoology* **62**: 101–132.

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**1998**

ALLEN JA 1998, The deep-water species of *Dacrydium* Torrell, 1859 (Dacryniinae: Mytilidae: Bivalvia) of the Atlantic. *Malacologia* **40**: 1–36.

**2000**

ALLEN JA 2000a An unusual montacutid from the deep Atlantic. *Journal of the Marine Biological Association of the United Kingdom* **80**: 827–834.

ALLEN JA 2000b A new deep-sea species of the genus *Neolepton* (Bivalvia: Cyamoidea: Neoleptonidae) from the Argentine Basin. *Malacologia* **42**: 123–129.

**2001**

ALLEN JA 2001 The family Kelliellidae (Bivalvia: Heterodonta) from the deep Atlantic and its relationship with the family Vesicomidae. *Zoological Journal of the Linnean Society* **131**: 199–226.

**2004**

ALLEN JA 2004 The Recent species of the genus *Limatula* and *Limea* (Bivalvia, Limacea) present in the Atlantic, with particular reference to those in deep water. *Journal of Natural History* **38**: 2591–2653.

**2007**

ALLEN JA 2007 A new deep-water species of the genus *Epilepton* (Bivalvia : Galeommatoidea) from the Atlantic. *Veliger* **49** (1): 7–14.

**2008**

ALLEN JA 2008 Bivalvia of the deep Atlantic. *Malacologia* **50** (1–2): 57–173.

**2011**

ALLEN JA 2011a Descriptions of new deep-water species of the family Cuspidariidae (Mollusca: Bivalvia) and including a bibliography of the known species from the Atlantic. *Journal of Conchology* **40** (4): 428–445.

ALLEN JA 2011b On the functional morphology of *Pinna* and *Atrina* larvae (Bivalvia: Pinnidae) from the Atlantic. *Journal of the Marine Biological Association of the United Kingdom* **91** (4): 823–829.

2015

ALLEN JA 2015 Bivalves collected from the bottom of the Philippine Trench, including a new species of *Axinulus* (Thyasiroidea). *Journal of Conchology* 42 (3):175–182.

## NEW NOMINAL TAXA INTRODUCED BY JA ALLEN

Structure, each entry has the following structure

### Example

***aberrata***, *Ledella* {original species, genus combination} Allen & Sanders, 1966 {original publication, see above} [p. 114, figs 20–22] {page and figure numbers in original publication} Holotype NHMUK (BMNH) 1995045 {location of type material}. Argentine Basin, 43°33,0'S 48°58,1'W, 5208–5223m. {type locality with depth} *Ledella aberrata* Allen & Sanders, 1996 {current taxonomic status from WoRMS, 2016}.

***aberrata***, *Ledella* Allen & Sanders, 1966 [p. 114, figs 20–22] Holotype NHMUK (BMNH) 1995045. Argentine Basin, 43°33,0'S 48°58,1'W, 5208–5223m. *Ledella aberrata* Allen & Sanders, 1996.

***abrupta***, *Cuspidaria* (*Rhinoclama*) Allen & Morgan, 1981 [p.479 figs 32–45] Holotype MCZ 281309, Angola Basin 23°0,0'S 12°58,0'E, 619–622m. *Rhinoclama abrupta* (Allen & Morgan, 1981).

***abyssicola***, *Kelliella* Allen, 2001 [p. 215, figs 20–23] Holotype NHMUK (BMNH) 1998178. West European Basin, 08°12,4'N 55°50,2'W, 2500m. ?*Vesicomya abyssicola* (Allen, 2001). The grid reference does not fit with West European Basin but with the Guyana Basin.

***abyssorum***, *Dacrydium* Allen, 1998. [p.11, figs 16–19] Holotype NHMUK (BMNH) 1996140. Guyana Basin, 13°16,0'N 54°52,2'W, 4980–4934m. *Dacrydium abyssorum* Allen, 1998.

***abyssorum***, *Lametila* Allen & Sanders, 1973 [p. 287, figs 28–32] Holotype MCZ 271978. North American Basin, 38°46,0'N 70°06,0'W, 2891m. *Lametila abyssorum* Allen & Sanders, 1973.

***africana*** subsp. of *inconspicua*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 44, figs 65–66] Holotype NHMUK (BMNH) 1992039. Angola Basin, 09°25'–09°29'S 11°35'–11°34'E, 1964m. *Yoldiella inconspicua* Verrill & Bush, 1898.

***alba***, *Pristigloma* Sanders & Allen, 1973 [p. 244, figs 4, 7–9] Holotype MCZ 271976. North American Basin, 35°52'N 64°58'W, 4833m. *Pristigloma alba* Sanders & Allen, 1973.

***americana***, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 52, figs 79, 81, 83] Holotype NHMUK (BMNH) 1992032. North American Basin, 36°24,4'N 67°56,0'W, 4749m. *Yoldiella americana* Allen, Sanders & Hannah, 1995.

***angolensis***, *Cetoconcha* Allen & Morgan, 1981 [p. 528 figs 88–93] Holotype MCZ (not listed), Angola Basin, 08°52.1'S 07°23.1'W, 5124m. *Cetoconcha angolensis* Allen & Morgan, 1981.

***argentinae*** subsp. of *pustulosa*, *Ledella* Allen & Hannah, 1989 [p. 135, figs 22–23] Holotype NHMUK (BMNH) 1988084. Argentine Basin, 43°33,0'S 48°58,1'W 5208–5223m. *Ledella argentinae* Allen & Hannah, 1989.

***argentinae***, *Limea* Allen, 2004 [ p. 2626, figs 42, 43] Holotype NHMUK 20030211. Argentine Basin, 36°32,6'S 10°23,4'W, 993m. *Limea argentinae* Allen, 2004.

***argentinensis***, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 46, figs 69–70] Holotype “in Sanders collection Woods Hole Oceanographic Institution”. Argentine Basin, 36°32,6'S 53°23,0'W, 993–1011m. *Yoldiella argentinensis* Allen, Sanders & Hannah, 1995.

***artipica***, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 25, figs 28–29] Holotype NHMUK (BMNH) 1992027. Angola Basin, 09°43,5'–09°41,0'S 10°57,0'–10°55,0'E, 2644–2754m. *Yoldiella artipica* Allen, Sanders & Hannah, 1995.

***atlanta***, *Halonympha* Allen & Morgan 1981 [p. 494, fig. 60] Holotype MCZ 281312 North-east American Basin, 38°46,0'N 70°6,0'W, 2886m. *Halonympha atlanta* Allen & Morgan, 1981.

***atlantica*** subsp. of *succisa*, *Thyasira* Payne & Allen, 1991 [p. 500, figs 28a,b, 29, 30] Holotype NHMUK (BMNH) 1990041. Cape Basin, 23°05'S 12°31,5'E, 1546–1559m. *Thyasira atlantica* Payne & Allen, 1991.

***atlantica***, *Cuspidaria* (*Cuspidaria*) Allen & Morgan, 1981 [p.455, figs 21–23] Holotype MCZ 353557, Angola Basin, 23°0,0'S 12°45,0'E, 1007–1014m. *Cuspidaria atlantica* Allen & Morgan, 1981.

***atlantica***, *Cuspidaria* (*Myonera*) Allen & Morgan, 1981 [p. 470 figs 35–36] Holotype USNM 151906, Type locality not given. *Myonera alleni* Poutiers in Poutiers & Bernard, 1995.

***atlantica***, *Policordia* Allen & Turner, 1974 [p. 484, figs 79–83] MCZ 272675. Off Guinea-Bissau, 10°36,0'N, 17°49,0'W, 2185m. *Policordia atlantica* Allen & Turner, 1974.

***atlantica***, *Protocuspidaria* (*Bidentaria*) Allen & Morgan 1981 [p. 499 figs 64–67] Holotype MCZ 281314, Canaries Basin, 28°06,0'N 13°28,0'W, 1780m. *Protocuspidaria atlantica* Allen & Morgan, 1981.

***atlantica***, *Thyasira* (*Parathyasira*) Payne & Allen, 1991 [p. 509, figs 43–44] Holotype NHMUK (BMNH) 1990039. North American Basin, 37°26,0'N 63°59,5'W, 4862m. Preoccupied by *Thyasira atlantica* Payne & Allen, 1991, p. 500, may be a synonym of *Thyasira tortuosa* (Jeffreys, 1881).

***biguttata***, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 57, figs 89–90] Holotype NHMUK (BMNH) 1992029. Guyana Basin, 07°55,1'N 54°42,0'W, 1912–2076m. *Yoldiella biguttata* Allen, Sanders & Hannah, 1995.

***bilanta***, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 24, figs 25, 27] Holotype NHMUK (BMNH) 1992027. Cape Basin, 23°05,0'S 12°31,5'E, 2117–2154m. *Yoldiella bilanta* Allen, Sanders & Hannah, 1995.

***biscayensis***, *Kelliella* Allen, 2001 [p. 218, figs 24–26] Holotype NHMUK (BMNH) 1998177. West

- European Basin, 51°54,7'N 12°07,4'W, 1015m. *Kelliella biscayensis* Allen, 2001.
- biscayensis*, *Thyasira* (*Parathyasira*) Payne & Allen, 1991 [p. 508, figs 40–42] Holotype MNHN Paris. Bay of Biscay, 46°29,5'N 10°29,5'W, 4720m. *Thyasira biscayensis* Payne & Allen, 1991.
- biscayensis*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 30, figs 39–41, 43] Holotype NHMUK (BMNH) 1992024. West European Basin, 50°04,9'N 14°23,8'W, 3859m. *Yoldiella biscayensis* Allen, Sanders & Hannah, 1995.
- bisecta*, *Limatula* Allen, 2004 [p. 2621, fig 35] Holotype, NHMUK 20030219. West European Basin, 52°21,1'N 12°07,4'W, 479m. *Limatula bisecta* Allen, 2004.
- blanda*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 29, figs 36–38] Holotype NHMUK (BMNH) 1992020. Argentine Basin, 43°32,0'S 48°58,1'W, 5208–5223m. *Yoldiella blanda* Allen, Sanders & Hannah, 1995.
- braziliensis*, *Cetoconcha* Allen & Morgan, 1981 [p. 521 figs 84–87] Holotype MCZ 281315, Off northeast coast of Brazil, 00°0,3'S 27°48,0'W, 3730m. *Cetoconcha braziliensis* Allen & Morgan, 1981.
- bushae*, *Thyasira* (*Mendicula*) Payne & Allen, 1991 [p. 550, figs 108–109] Holotype NHMUK (BMNH) 1990037. Angola Basin, 08°48,0'S 12°52,0'E, 527–542m. Not in WoRMS, 2015.
- capensis*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 23, figs 21–24] Holotype NHMUK (BMNH) 1992026. Cape Basin, 23°00'S 12°45'E, 1007–1014m. *Yoldiella capensis* Allen, Sanders & Hannah, 1995.
- carrozae*, *Thyasira* (*Mendicula*) Payne & Allen, 1991 [p. 541, figs 93–95] Holotype NHMUK (BMNH) 1990035. Cape Basin, 23°00,0'S 12°58,0'E. 619–622m. *Thyasira oblonga* (Monterosato, 1878).
- celtica*, *Limatula* Allen, 2004 [p. 2611, figs 22–25, 45d] Holotype NHMUK 20030213. West European Basin, 50°43,5'N 17°51,7'W, 4632m. *Limatula celtica* Allen, 2004.
- clarkei*, *Prelametila* Allen & Sanders, 1973 [p. 296, figs 36–38] Holotype MCZ 271975. Argentine Basin, 43°34,6'–43°33,0'S 48°58,0'–48°51,1'W, 5209–5227m. *Prelametila clarkei* Allen & Sanders, 1973.
- compressa*, *Lyonsiella* Allen & Turner, 1974 [p. 458, fig. 51] Holotype MCZ 272674. West European Basin, 47°40'N, 05°0'W, 119m. *Lyonsiella compressa* Allen & Turner, 1974 species inquirenda “Species of uncertain validity; from the description and locality data seems to be based on a juvenile of *Lyonsia norwegica* (Gmelin, 1791), but this has not been assessed formally nor published.” (Gofas & Bouchet in WoRMS, 2015).
- concentrica*, *Kelliella* Allen, 2001 [p. 211, figs 14–16] Holotype NHMUK (BMNH) 1998181. North American Basin, 39°47,6'N 70°56,4'W, 811m. *Kelliella concentrica* Allen, 2001.
- demiradiata*, *Limatula* Allen, 2004 [p. 2618, figs 33,34] Holotype MNHParis. West European Basin, 47°33,8'N 07°16,8'W, 330m. *Limatula demiradiata* Allen, 2004.
- demistriata*, *Cuspidaria* (*Myonera*) Allen & Morgan 1981 [p.469 figs 33–34] Holotype MCZ 281308. Argentine Basin, 37°40,9'S 52°19,3'W, 3906–3917m. *Bathyneoera hadalis* (Knudsen, 1970).
- diagonalis*, *Cuspidaria* subg. *Tropidomya* Allen & Morgan 1981 [p. 487 figs 53–54] Holotype MCZ 281311, Angola Basin, 18°48,0'S 12°52,0'E, 527–542m. *Tropidomya diagonalis* (Allen & Morgan, 1981).
- ella*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 69, figs 113–114, 117 ] Holotype NHMUK (BMNH) 1992034. North American Basin, 40°42,6'–40°44,0'N 46°13,8'–46°14,6'W, 4400m. *Yoldiella ella* Allen, Sanders & Hannah, 1995.
- elongata*, *Kelliella* Allen, 2001 [p. 213, figs 17–19] Holotype NHMUK (BMNH) 1998180. Angola Basin, 22°57,0'S 13°05,0'E, 481m. *Ectenagena elongata* (Dall, 1916).
- elongata*, *Nuculoma* Rhind & Allen, 1992 [p. 83, figs 27–28] Holotype NHMUK (BMNH) 1990007. Guyana Basin, 07°45,3'N 54°24,0'W, 508–523m. *Ennucula elongata* (Rhind & Allen, 1992).
- elpis*, *Epilepton* Allen, 2007 [figs 1e,2–4, 6]. Holotype NHMUK 20060147 and paratype NHMUK 20060148. North American Basin, 35°50,0'N 64°57,5'W. 4833m. *Epilepton elpis* Allen, 2007.
- enata*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 67, figs 110–112] Holotype NHMUK (BMNH) 1992033. Guyana Basin, 08°12,4'N 55°50,2'W, 2487–2500m. *Yoldiella enata* Allen, Sanders & Hannah, 1995.
- extensa*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 40, figs 58–60] Holotype NHMUK (BMNH) 1992036. Argentine Basin, 36°55,7'S 53°01,4'W, 2707m. *Yoldiella extensa* Allen, Sanders & Hannah, 1995.
- fabula*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 72, figs 119–120, 122–123] Holotype NHMUK (BMNH) 1992037. North American Basin, 37°59,2'N 69°26,2'W, 3834m. *Yoldiella fabula* Allen, Sanders & Hannah, 1995.
- filatovae*, *Silicula* Allen & Sanders 1973 [p. 265, figs 3–11] Holotype MCZ 271977. North American Basin 34°39'N 66°26'W, 5007m. *Silicula filatovae* Allen & Sanders, 1973.
- fora*, *Portlandia* Allen, Sanders & Hannah, 1995 [p. 78, figs 128–129] Holotype NHMUK (BMNH) 1992037. West European Basin, 43°43,0'N 03°47,8'W, 641m. *Yoldiella fora* (Allen, Sanders & Hannah, 1995).
- fragilis*, *Lyonsiella* Allen & Turner, 1974 [p. 456, fig. 50] Holotype MCZ 272673. North American Basin, 39°46,5'N 70°43,3'W, 1470–1330m. *Lyonsiella fragilis* Allen & Turner, 1974.
- frielei*, *Lyonsiella* Allen & Turner, 1974 [p. 440, figs 35–36] Holotype MCZ 272672. Canaries Basin, 27°13'N 15°41'W, 3301m. *Lyonsiella frielei* Allen & Turner, 1974.
- grasslei*, *Malletia* Sanders & Allen, 1985 [p. 211, figs 16, 17] Holotype NHMUK (BMNH) 1984058. Guiana Basin, 07°45,3'N 54°24'W 523m. *Malletia grasslei* Sanders & Allen, 1985.
- grasslei*, *Nuculana* Allen, 1993 [p. 141, figs 1–9] Holotype USNM 859482. Guayamas Basin, 27°03'N 111°23'W, 2003m. *Tindariopsis grasslei* Allen, 1993.

- hampsoni* subsp. of *pustulosa*, *Ledella* Allen & Hannah, 1989 [p. 137, fig. 25] Holotype NHMUK (BMNH) 1988085. Cape Verde Basin, 10°36,0'N 17°40,0'W 2051–2357m. *Ledella pustulosa* (Jeffreys, 1876).
- hampsoni*, *Neilonella* Allen & Sanders, 1966 [p. 107, figs 9–10] Holotype NHMUK (BMNH) 1995049. Sierra Leone Basin, 00°03,0'S 27°48,0'W, 3730–3783m. *Neilonella hampsoni* Allen & Sanders, 1996.
- hanna*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 22, figs 18–19] Holotype NHMUK (BMNH) 1992022. Cape Basin, 22°57'S 13°05'E, 439–481m. *Yoldiella hanna* Allen, Sanders & Hannah, 1995.
- hedleyi*, *Dacrydium* Allen, 1998. [p. 18, figs 29–31] Holotype NHMUK (BMNH) 1996143. Guyana Basin, 13°16,0'N 54°52,2'W, 4980–4934m. *Dacrydium hedleyi* Allen, 1998.
- hessleri*, *Tindaria* Sanders & Allen, 1977 [p. 30, figs 12–16, 27] Holotype MCZ 279902 Cape Verde Basin, 10°30'N 17°51'5''W, 2031m. *Tindaria hessleri* Sanders & Allen, 1977.
- hilleri*, *Spinula* Allen & Sanders, 1982 [p.12, figs 11–15, 28] Holotype MCZ279904, Angola Basin, 14°49.0'S 09°56.0'W, 3797m. *Bathyspinula hilleri* (Allen & Sanders, 1982).
- horrida* *Laevicordia* Allen & Turner, 1974 [p. 507, figs 98–100] Holotype MCZ 272761. North American Basin, 38°64'N 70°6'W, 2886m. *Lyonsiella horrida* (Allen & Turner, 1974).
- incala* subsp. of *obesa*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 19, fig 11] Holotype MNHN, Paris. West European Basin, 57°59'N 10°40'W, 2091m. *Yoldiella incala* Allen, Sanders & Hannah, 1995.
- inflata* *Thyasira* (*Mendicula*) Payne & Allen, 1991 [p. 543, figs 97–99] Holotype NHMUK (BMNH) 1990034. Argentine Basin, 10°29,0'S 09°04,0'E, 4595–4597m. *Mendicula inflata* (Payne & Allen, 1991).
- insolita*, *Policordia* Allen & Turner, 1974 [p. 502, figs 95–96] Holotype MCZ 272676. North American Basin, 39°43.6'N 70°37.4'W, 2022m. *Policordia insolita* Allen & Turner, 1974.
- intermedia* subsp. of *cristata*, *Limopsis* Oliver & Allen, 1980 [p. 102, figs 21c, 22c] Holotype MCZ 293375. Surinam Basin, 08°04,2'N 54°21,3'W, 1000–1022m. *Limopsis intermedia* Oliver & Allen, 1980.
- jamesi*, *Ledella* Allen & Hannah, 1989 [p. 140, figs 30–32] Holotype NHMUK (BMNH) 1988087. Guiana Basin, 07°55,1'N 55°43,0'W, 1942–2076m. *Ledella jamesi* Allen & Hannah, 1989.
- knudsen*, *Dacrydium* Allen, 1998. [p.20, figs 35–37] Holotype NHMUK (BMNH) 1996142. Weddell Sea, 72°47,6'S 30°29,7'W, 3697m. *Dacrydium knudseni* Allen, 1998.
- knudseni*, *Cuspidaria* subg. *Cardiomya* Allen & Morgan 1981 [p. 466, figs 30–32] Holotype MCZ (not listed), North American Basin, 38°46,0'N 52°17,9'W, 2440m. *Cardiomya knudseni* (Allen & Morgan, 1981).
- krylovae*, *Cuspidaria* (*Cuspidaria*) Allen, 2011 [p. 432, figs 6–9, Plate 3] Holotype NHMUK 20090133. Brazil Basin, 00°46,0'S 29°28,0'W. 3459m. *Cuspidaria krylovae* Allen, 2011.
- laevis*, *Policordia* Allen & Turner, 1974 [p. 507, fig. 97] Holotype MCZ 272763. Off Recife, Brazil, 07°58,0'S 34°17,0'W, 943–1007m. *Policordia laevis* Allen & Turner, 1974.
- Lametila* Allen & Sanders, 1973 [p. 287] type species *Lametila abyssorum* Allen & Sanders, 1973 OD. *Lametila* Allen & Sanders, 1973.
- Lametilidae** Allen & Sanders, 1973 [p. 287] Phaseolidae Scarlato & Starobogatov, 1971.
- lanceolata* subsp. of *cristata*, *Limopsis* Oliver & Allen, 1980 [p. 102, figs 21d, 22d] Holotype MCZ 293372. Angola Basin, 23°00,0'S 12°45,0'E, 1007–1014. *Limopsis lanceolata* Oliver & Allen, 1980.
- lirata*, *Limea* Allen, 2004 [p. 2622, figs 36, 27, 46c] Holotype, NHMUK 20030212. North American Basin, 32°15,8'N 64°31,6'W. 2095m. *Limea lirata* Allen, 2004.
- lusitanensis*, *Ledella* Allen & Hannah, 1989 [p. 143, figs 38–39] Holotype NHMUK (BMNH) 1988088. Cape Verde Basin, 10°30'N 17°51'W 1624–1796m. *Ledella lusitanensis* Allen & Hannah, 1989.
- malita*, *Malletia* Sanders & Allen, 1985 [p. 217, figs 23–25] NHMUK (BMNH) 1984057. Guiana Basin, 08°04,2'N 54°21,3'W 1022m. *Katadesmia malita* (Sanders & Allen, 1985).
- margaretae*, *Limatula* Allen, 2004 [p. 2603, figs 13–16, 45b] Holotype NHMUK 20030215. West European Basin, 50°58,7'N 13°01,6'W, 2173m. *Limatula margaretae* Allen, 2004.
- marshalli* subsp. of *pustulosa*, *Ledella* Allen & Hannah, 1989 [p. 131, figs 18–20] Holotype NHMUK (BMNH) 1885.11.5.411. Atlantic, northwest of Ireland, 2487m. No revised status in WoRMS (2015).
- mcalesteri*, *Silicula* Allen & Sanders, 1973 [p. 278, figs 5, 18, 20–22] Holotype MCZ 271974. Argentine Basin, 36°18'– 36°19'S 53°23,9' – 53°24,5'W, 256–307m. *Silicula mcalesteri* Allen & Sanders, 1973.
- Microgloma* Sanders & Allen, 1973 [p. 274] Type species *Microgloma yongei* Sanders & Allen, 1973 OD. *Microgloma* Sanders & Allen, 1973.
- miniscula*, *Tindaria* Sanders & Allen, 1977 [p. 38 figs 23–28] Holotype MCZ 279901. Angola Basin, 10°29'S 09°9'E, 4565 to 4595m. *Tindaria miniscula* Sanders & Allen, 1977.
- minuta* subsp. of *subovata*, *Thyasira* (*Parathyasira*) Payne & Allen, 1991 [p. 515, figs 51–52, 53c,d] Holotype NHMUK (BMNH) 1990040. Angola Basin, 08°48,0'S 12°52,0'E, 527–542m. *Thyasira subovata* (Jeffreys, 1881).
- minuta*, *Portlandia* Allen, Sanders & Hannah, 1995 [p. 79, figs 130, 132] Holotype NHMUK (BMNH) 1992040. Angola Basin, 08°48'S 12°52'E, 527–542m. *Yoldiella minuta* (Allen, Sanders & Hannah, 1995).
- morganae*, *Cuspidaria* (*Luzonia*) Allen, 2011 [p. 428, figs 1–3, Plate 1] Holotype NHMUK 20090134/1 and 3 paratypes 2009134/2–4. Brazil Basin, 08°02,0'S 34°09,0'W, 1493m. *Cuspidaria morganae* Allen, 2011.
- octaporosa*, *Cuspidaria* (*Myonera*) Allen & Morgan 1981 [p. 476, figs 40–41] Holotype MCZ 281307. North-east American Basin, 36°20.0'N 67°56.0'W, 4800m. *Octoporia octaporosa* (Allen & Morgan, 1981).



- ovata*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 59, figs 91–92, 94] Holotype NHMUK (BMNH) 1992035. Guyana Basin, 08°14,2'N 55°53,5'W, 2524–2542m. *Yoldiella ovata* Allen, Sanders & Hannah, 1995.
- paucistriata*, *Propeleda* Allen & Sanders, 1966 [p. 128, figs 44–45] Holotype NHMUK (BMNH) 1995059. Angola Basin, 08°48,00'S 12°52,00'E, 527–542m. *Propeleda paucistriata* Allen & Sanders, 1996.
- pellucida* subsp. of *pectunculoides*, *Bathyarca* Oliver & Allen, 1980a [p. 53, figs 7–9] Holotype MCZ 293376. North American Basin, 32°19,4'N 64°34,9'W, 1135–1153. *Bathyarca pectunculoides* (Scacchi, 1835).
- perforata*, *Nuculoma* Rhind & Allen, 1992 [p.76, figs 14–16] Holotype NHMUK (BMNH) 1990008. Argentine Basin, 36°27,0'S 53°31,0'W, 518m. *Ennucula perforata* (Rhind & Allen, 1992).
- perplexa*, *Lyonsiella* Allen & Turner, 1974 [p. 437, figs 32–34] Holotype MCZ 272671. West European Basin, 43°43'N 3°47.8'W, 641m. Figured specimen (32c) from North American Basin, 39°38.3'N 67°57.8'W, 2862m. *Lyonsiella perplexa* Allen & Turner, 1974.
- perplexa*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 51, figs 77–78] Holotype NHMUK (BMNH) 1992031. Guyana Basin, 07°55,1'N 54°42,0'W, 1912–2076m. *Yoldiella perplexa* Allen, Sanders & Hannah, 1995.
- poutiera*, *Octoporia* Allen, 2011 [ p. 433, figs 10–13, Plate 4] Holotype NHMUK 20090135/1 and paratypes NHMUK 20090135/2–8. Surinam Basin, ? 10°06,1'N 55°14,0'W, 3859m. Station reference for type locality “Knorr station 292” is not given in list of materials examined, grid reference given here is for station 291. *Octoporia poutiera* Allen, 2011.
- Prelametila* Allen & Sanders, 1973 [p. 296] type species *Prelametila clarkae* Allen & Sanders, 1973. *Prelametila* Allen & Sanders, 1973.
- Pristiglomidae** Sanders & Allen, 1973 [p. 239] Sareptidae Stoliczka, 1870.
- profundorum* subsp. of *inconspicua*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 45, figs 67–68] Holotype NHMUK (BMNH) 1992038. Argentine Basin, 37°40,9'S 51°19,3'W, 3906–3917m. *Yoldiella alleni* Huber, 2010.
- profundorum*, *Neolepton* Allen, 200b [figs 1–6] Holotype NHMUK 1998186. Argentine Basin, 36°53,4'S 53°10,2'W, 2323m. *Neolepton profundorum* Allen, 2000.
- Protocuspidae* Allen & Morgan, 1981. Type species *Protocuspidae verityi* Allen & Morgan, 1981. p. 427, 495.
- Protocuspidae* subg. *Bidentaria* Allen & Morgan, 1981. p. 428, 499. Type species *Protocuspidae (Bidentaria) atlantica* Allen & Morgan, 1981.
- Protocuspidae* subg. *Edentaria* Allen & Morgan, 1981. p. 428, 497. Type species *Protocuspidae (Edentaria) simplis* Allen & Morgan 1981, p. 498.
- Protocuspidae* subg. *Protocuspidae* Allen & Morgan, 1981. p. 428, 495.
- Pseudotindaria* Sanders & Allen, 1977, [p. 43] Type species *Tindaria erebus* Clarke, 1959. *Neilonella* Dall, 1881.
- robusta*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 39, figs 55–57] Holotype NHMUK (BMNH) 1992030. Argentine Basin, 36°18,0'S 53°23,9'W, 256–293m. *Yoldiella robusta* Allen, Sanders & Hannah, 1995.
- sandersi*, *Dacrydium* Allen, 1998 [p. 3, figs 1–3] Holotype NHMUK (BMNH) 1996136. North American Basin, 38°46,7'N 70°08,8'W, 2802m. *Dacrydium sandersi* Allen, 1998.
- sandersi*, *Ledella* Allen & Hannah, 1989 [p. 145, figs 34–36] Holotype NHMUK (BMNH) 1988090. Angola Basin, 23°05'S 12°31,5'E 1546–1559m. *Ledella verdiensis* Allen & Hanna, 1989.
- Saturniidae** Allen & Hannah, 1986 [p. 230] Neilonellidae Schileyko, 1989.
- scheltemai*, *Spinula* Allen & Sanders, 1982: Holotype MCZ279905, Argentine Basin, 38°16.9'S 51°56.1'W, 4382–4405m. (p.17, figs 16–21+28) *Bathyspinula scheltemai* (Allen & Sanders, 1982).
- Siliculidae** Allen & Sanders, 1973 [p. 264] Siliculidae Allen & Sanders, 1973.
- similiris*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 20, figs 13–14, 15b, 16] Holotype NHMUK (BMNH) 1992028. Argentine Basin, 36°27,0'–36°28,1'N 53°31,0'–53°32,3'W, 409–518m. *Yoldiella similiris* Allen, Sanders & Hannah, 1995.
- similis*, *Ledella* Allen & Hannah, 1989 [p. 145, figs 41–42] Holotype NHMUK (BMNH) 1988092. West European Basin, 46°17,5'N 04°45,2'W 1336m. *Ledella similis* Allen & Hannah, 1989.
- similis*, *Nuculoma* Rhind & Allen, 1992 [p. 80, figs 23–25] Holotype NHMUK (BMNH) 1990005. North American Basin, 39°55,2'N 70°39,5'W, 498m. *Ennucula similis* (Rhind & Allen, 1992).
- similis*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 26, figs 30–31] Holotype NHMUK (BMNH) 1992023. Angola Basin, 10°24'–10°29'S 09°09'–09°04'E, 4559–4566m. *Yoldiella similis* Allen, Sanders & Hannah, 1995
- simplex*, *Cuspidaria (Luzonia)* Allen & Morgan, 1981: MCZ 281310 Off Guinea–Bissau 10°30.0'N 17°51.0'W 1624–1796m. (p. 485 Fig. 50) *Luzonia simplex* (Allen & Morgan, 1981).
- simplis*, *Protocuspidae (Edentaria)* Allen & Morgan 1981 [p. 498 Fig. 63] Holotype MCZ (not listed), West European Basin, 47°30,4'N 09°6,9'W, 2963m. *Protocuspidae simplis* Allen & Morgan, 1981.
- sinuosa*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 27, figs 32–34] Holotype NHMUK (BMNH) 1992025. Surinam Basin, 07°55,1'N 55°42,0'W, 1942–2076m. *Yoldiella sinuosa* Allen, Sanders & Hannah, 1995.
- smithi*, *Limatula* Allen, 2004 [p. 2607, figs 17–21, 45c] Holotype NHMUK 20030214. Angola Basin, 23°05,0'S 12°31,5'W, 1546m. *Limatula smithi* Allen, 2004.
- spicata*, *Limopsis* Oliver & Allen, 1980 [p. 105, figs 26a, 27, 28] Holotype MCZ 293373. Argentine Basin, 36°05,2'S 52°17,9'W, 2440–2480. *Limopsis spicata* Oliver & Allen, 1980.
- subcircularis*, *Thyasira (Parathyasira)* Payne & Allen, 1991 [p. 502, figs 32–33] Holotype MNHN Paris.

- West European Basin, 47°33,4'N 07°19,0'W, 1175m. *Parathyasira subcircularis* Payne & Allen, 1991.
- subequatoria*, *Thyasira* (*Parathyasira*) Payne & Allen, 1991 [p. 507, figs 38–39] Holotype NHMUK (BMNH) 1990038. Argentine Basin, 38°16,9'S 51°56,1'W, 4382–4402m. *Thyasira subequatoria* Payne & Allen, 1991.
- subtriangularis*, *Brevinucula* Rhind & Allen, 1992 [p. 85, figs 33–34] Holotype NHMUK (BMNH) 1990009. Brasil Basin, 07°58,0'S 34°17,0'W, 943–1007m. *Brevinucula subtriangularis* Rhind & Allen, 1992.
- surinamensis*, *Limopsis* Oliver & Allen, 1980 [p. 87, figs 8–10] Holotype MCZ 293374. Surinam Basin, 07°45.3'N 54°24.0'W, 500m. *Limopsis surinamensis* Oliver & Allen, 1980.
- surinamensis*, *Malletia* Sanders & Allen, 1985 [p. 213, fig. 20] Holotype NHMUK (BMNH) 1984059. Surinam Basin, 08°04,2'N 54°21,3'W 1022m. *Malletia surinamensis* Sanders & Allen, 1985.
- tenina*, *Kelliella* Allen, 2001 [p. 220, figs 27–30] Holotype NHMUK (BMNH) 1998176. Cape Basin, 23°00,0'S 12°45,0'E, 1014m. ?*Isorropodon tenina* (Allen, 2001).
- thalassae*, *Limatula* Allen, 2004 [p. 2614, figs 26–28, 46a] Holotype MHNParis. West European Basin, 47°33,8'N 07°12,6'W, 511m. *Limatula thalassae* Allen, 2004.
- Tindariidae** Sanders & Allen, 1977 [p. 24]. Tindariidae Verrill & Bush, 1898.
- transversa*, *Thyasira* (*Mendicula*) Payne & Allen, 1991 [p. 545, figs 101–105] Holotype NHMUK (BMNH) 1990033. Angola Basin, 36°12,7'S 52°42,7'W, 2041–2048m. *Adontorhina transversa* (Payne & Allen, 1991).
- turnerae*, *Microgloma* Sanders & Allen, 1973 [p. 250, figs 15–21] Holotype MCZ 271972. West European Basin, 46°15'N 4°50'W, 1922m. *Microgloma tumidula* (Monterosato, 1880).
- ultima*, *Thyasira* (*Mendicula*) Payne & Allen, 1991 [p. 551, figs 110–114] Holotype NHMUK (BMNH) 1990036. Cape Verde Basin, 10,30,0'N 17°51,5'W, 1624–1796m. *Thyasira ultima* Payne & Allen, 1991.
- unistriata*, *Cardiomya* Allen, 2011 [p. 431, figs 4–5, Plate 2] Holotype NHMUK 20090136. West European Basin, 46°30,4'N 10°27,1'W, 4715m. *Cardiomya unistriata* Allen, 2011.
- veletta*, *Yoldiella* Allen, Sanders & Hannah, 1995 [p. 75, figs 124–125] Holotype MNHN, Paris. West European Basin, 44°05,2'N 04°15,7'W, 1913m. *Yoldiella veletta* Allen, Sanders & Hannah, 1995.
- verdiensis*, *Ledella* Allen & Hannah, 1989 [p. 145, figs 43–44] Holotype NHMUK (BMNH) 1988093. Cape Verde Basin, 17°38'N 18°35'W 3150–3155m. *Ledella verdiensis* Allen & Hannah, 1989.
- verityi*, *Protocuspidaria* (*Protocuspidaria*) Allen & Morgan 1981 [p. 496, figs 61–62] Holotype MCZ 281313, Off Pernambuco, Brazil, 07°58,0'S 34°17,0'W, 943–1007m. *Protocuspidaria verityi* Allen & Morgan, 1981.
- verrilli* *Thyasira* (*Mendicula*) Payne & Allen, 1991 [p. 548, figs 106–107] Holotype NHMUK (BMNH) 1990032. North American Basin, 32°15,8'N 64°31,6'W, 2041–2048m. *Mendicula verrilli* (Payne & Allen, 1991).
- whooi*, *Neilonella* Allen & Sanders, 1966 [p. 108, figs 12–16] Holotype NHMUK (BMNH) 1995052. North American Basin, 38°00,8'N 69°18,7'W, 3828m. *Neilonella hampsoni* Allen & Sanders, 1996.
- Yoldiellinae** Allen & Hannah, 1986 [p. 235] Yoldiellinae Allen & Hannah, 1986.
- Yoldiidae** Allen & Hannah, 1986 [p. 233] Yoldiidae Dall, 1908.
- Yoldiinae** Allen & Hannah, 1986 [p. 234] Yoldiinae Dall, 1908.
- yongei*, *Microgloma* Sanders & Allen, 1973 [p. 247, figs 10–14, 21] Holotype MCZ 271971. Angola Basin, 09°41'– 09°43.5'S 10°55'–10°57'E, 2644–2754m. *Microgloma yongei* Sanders & Allen, 1973.