

# A List of the Generic Names of Dibranchiate Cephalopoda with their type species.

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In view of the attention now being paid to questions of nomenclature and the importance attaching to the knowledge of the type species of each genus it appeared that the attempt to determine this in the case of a limited group of Mollusca might be a useful contribution to zoological literature and save trouble to future enquirers.

In each case the ground upon which the type has been selected is given in square brackets and the more difficult cases have been discussed in notes at the end of the paper. The Rules and Recommendations of the Nomenclature Commission of the International Zoological Congress (Science, vol. 26, pp. 520—523, Oct. 18, 1907) have been followed. Where I am certain that the type specimen of the type species exists in a particular collection the fact is stated and the mark (!) indicates that I have myself seen it.

Those names which appear to be at present entitled to consideration are printed in heavier type, but several of them are of doubtful validity.

***Abralia***, Gray, 1849. *Onychoteuthis armata*, Quoy & Gaimard, 1832 [sp. first mentioned].

***Abraliopsis***, Joubin, 1896. *Enoploteuthis hoylei*, Pfeffer, 1884 [designation] Hamburg Mus.

***Alloposus***, Verrill, 1880. *A. mollis*, Verrill, 1880 [monotypic]. U. S. Nat. Mus.!

*Ammonia*, Breyn, 1732 [Pre-Linnean, no type given] (= *Spirula*).<sup>1</sup>

*Amphioctopus*, P. Fischer, 1882. *Octopus membranaceus*, Quoy & Gaimard, 1832 [monotypic].  
(= *Polypus*).

***Amphitretus***, Hoyle, 1885. *A. pelagicus*, Hoyle, 1885 [monotypic]. Brit. Mus.!

*Ancistrocheirus* see ***Ancistrochirus***.

***Ancistrochirus***, Gray, 1849. *Enoploteuthis lesueurii*, d'Orbigny, 1845 [monotypic].

*Anisoctus*, Rafinesque, 1840.<sup>2</sup>

*Architeuthis* = ***Architeuthus*** (err. typ.).

<sup>1</sup> The name occurs in the "Museum Calonnianum" as "Genus III" of "Testacea petrifacta", but no characters are given and the specimens catalogued under this head are Ammonites. I cannot find any other instance of the use of the word in a generic sense by any post-Linnean author. [Since the above was in type I have found a reference to the use of *Ammonia* as a synonym of *Argonauta* by Knorr, but have not been able to verify it.]

<sup>2</sup> *Anisoctus*: two species are mentioned. — *A. punctatus* and *A. bicolor*, but the descriptions are so meagre that it is highly improbable they will ever be recognised again. Steenstrup suggested that they may be identical with *Leachia*.

- Architeuthis*, Steenstrup, 1857. *A. dux*, Stp., 1857.<sup>3</sup>  
*Argonauta*, Linné, 1758. *A. argo*, Linné, 1758.<sup>4</sup>  
 Ascarosepion, de Rochebrune, 1884. *A. verreauxi*, Rochebr., 1884 [sp. first mentioned] (= *Sepia*).  
*Asteroteuthis*, Pfeffer, 1908. *Enoploteuthis veranyi*, Rüppell, 1844 [monotypic].  
*Bathothauma*, Chun, 1906. *B. lyromma*, Chun, 1906 [monotypic].  
*Bathyteuthis*, Hoyle, 1885. *B. abyssicola*, Hoyle, 1885 [monotypic]. Brit. Mus. !  
 Benthoteuthis, Verrill, 1885. *B. megalops*, Verrill, 1885 [monotypic] (= *Bathyteuthis*).<sup>5</sup>  
*Bolitaena*, Steenstrup, 1858. *B. microcotyla*, Steenstrup, in Hoyle, 1886 [monotypic]. Copenhagen Mus. !  
 Bostrychoteuthis, Agassiz, 1846. *Cirroteuthis mülleri*, Eschricht, 1836 [monotypic] (= *Cirroteuthis*).  
*Brachiotheuthis*, Verrill, 1881. *B. beanii*. Vll., 1881 [monotypic].  
*Calliteuthis*, Verrill, 1880. *C. reversa*, Verrill, 1880 [designation].  
*Chaunoteuthis*, Appellöf, 1891. *C. mollis*, Appellöf, 1891 [monotypic] Bergen Mus.  
 Cheloteuthis, Verrill, 1881. *C. rapax*, Verrill, 1881 [monotypic] (= *Gonatus*).  
*Chiroteuthis*, d'Orbigny, 1845. *Loligopsis veranyi*, Férussac, 1835 [sp. first mentioned; elimination Pfeffer, 1900.]  
*Chiroteuthopsis*, Pfeffer, 1900. *Chiroteuthis grimaldii*, Joubin, 1895 [monotypic].  
 Chondrosepia, F. S. Leuckart, 1828. *C. loliginiformis*, F. S. Leuckart, 1828 [monotypic] (= *Sepioteuthis*).  
 Chtenopteryx = *Ctenopteryx* (err. typ.).  
 Cirrhototeuthis, H. P. C. Möller, 1842. (= *Cirroteuthis*).  
*Cirrobrachium*, Hoyle, 1904. *C. filiferum*, Hoyle, 1904 [monotypic]. Harvard Mus.  
*Cirroteuthis*, Eschricht, 1836. *C. muelleri*, Eschricht, 1836 [monotypic]. Copenhagen Mus. !  
*Cistopus*, Gray, 1849. *Octopus indicus*, Rapp in d'Orbigny, 1840 [monotypic].  
*Compsoteuthis*, Pfeffer, 1900. *C. loenbergi*, Pfeffer, 1900 [monotypic]. Hamburg Mus.  
*Corynomma*, Chun, 1906. *C. speculator*, Chun, 1906 [monotypic].  
*Cranchia*, Leach, 1817. *C. scabra*, Leach, 1817 [sp. first mentioned: elimination Hoyle, 1886]. Brit. Mus. !  
*Crystalloteuthis*, Chun, 1906. *C. glacialis*, Chun, 1906 [monotypic].  
*Ctenopteryx*, Appellöf, 1890. *C. fimbriatus*, Appellöf, 1890 [monotypic].  
*Cuciotheuthis*, Steenstrup, 1882. *Sepia unguiculata*, Molina, 1782 [monotypic].  
 Cycria, Leach, in Gray, 1849. [No type given, cited as synonym of *Ommastrephes*.]  
*Desmoteuthis*, Verrill, 1881. *Taonius hyperboreus*, Steenstrup, 1861 [monotypic]. Copenhagen Mus. !  
 Dinoteuthis, More, 1875. *D. proboscideus*, More, 1875 [monotypic] (= *Architeuthis*?).  
 Diphtherosepion, de Rochebrune, 1884. *Sepia ornata*, Rang, 1837 [sp. first mentioned] (= *Sepiella*).  
*Doratopsis*, de Rochebrune, 1884. *Loligopsis vermicularis*, Rüppell, 1844 [monotypic].

<sup>3</sup> *Architeuthis dux* is referred to this genus and *A. monachus* with a query; hence *A. dux* is the type; neither is characterised. — A note on the orthography of this name seems advisable. By most writers it has been spelt *Architeuthis* and, curiously enough, this is the form in which it was first published by Steenstrup. This would seem, however, to have been a printer's error, for in all his subsequent writings it is spelt *Architeuthus* and in *Oversigt K. D. Vid. Selsk. Forh.*, p. 1, 1881, he expressly states: — „jeg ikke har kaldt Slaegten med det første Navn [*Architeuthis*] men med det sidste [*Architeuthus*].“

<sup>4</sup> *Argonauta*: two species are mentioned by Linné, *A. argo* and *A. cymbium*; the latter is diagnosed only by reference to a figure of Gualtieri which represents a shell so minute that it is impossible to identify it with any adult form: it seems necessary, therefore, to regard the first-mentioned species *A. argo* as the type.

<sup>5</sup> *Bathyteuthis* was published in the Narrative of the voyage of H. M. S. "Challenger" in May, 1885; *Benthoteuthis* was published in *Trans. Connecticut Acad.*, vol. 6, part. 2, in July, 1885.

- Doratosepion, de Rochebrune, 1884. *Sepia andreana*. Steenstrup, 1875 [sp. first mentioned] (= *Sepia*).
- Dosidicus**, Steenstrup, 1857. *D. eschrichti*, Stp. 1857 [monotypic]. Copenhagen Mus.!<sup>6</sup>
- Dubioteuthis**, Joubin, 1899. *D. physeteris*, Joubin, 1899 [monotypic]. Monaco Mus.!
- Dyctydiopsis, de Rochebrune, 1884. *Loligopsis ellipsoptera*, Adams & Reeve, 1848 [monotypic].  
(= *Leachia*).
- Eledona, de Rochebrune, 1884. emendation [?] of *Eledone*.
- Eledone, Leach, 1817. *Octopus moschatus* Lamarck, 1798 [monotypic] (= *Moschites*).
- Eledonella**, Verrill, 1884. *E. pygmaea*, Vll., 1884 [monotypic].<sup>7</sup>
- Eledonenta, de Rochebrune, 1884. *E. filholiana*, Rocheb., 1884 [sp. first mentioned] (= *Moschites?*).
- Enoploteuthis**, d'Orbigny, in Rüppell, 1844. *Loligo leptura*, Leach, 1817 [elimination].<sup>8</sup>
- Enteroteuthis**, de Rochebrune & Mabile, 1889. *E. membranaceus*, R. & M., 1889 [sp. first named.].
- Entomopsis, de Rochebrune, 1884. *E. velaini*, Rocheb., 1884 [sp. first mentioned and figured]  
(= *Tracheloteuthis*).
- Euprymna**, Steenstrup, 1887. *Inioteuthis morsei*, Verrill, 1881 [sp. first named].<sup>9</sup>
- Fidenas**, Gray, 1849. *F. penares*, Gray, 1849 [monotypic] (= *Sepiolo*). Brit. Mus.!
- Franklinia, Norman, 1890. *Rossia glaucopsis*, Lovén, 1845 [designation] (= *Rossia*).<sup>10</sup>
- Froekenia**, Hoyle, 1904. *F. clara*, Hoyle, 1904 [monotypic].
- Galiteuthis**, Joubin, 1898. *G. armata*, Joubin, 1898 [monotypic].
- Gonatus**, Gray, 1849. *Onychoteuthis? amœna*, Möller, 1842 (= *Sepia loligo* Fabricius, 1780)  
[monotypic].
- Grimalditeuthis**, Joubin, 1898. *G. richardi*, Joubin, 1898 [monotypic].
- Haliphron, Steenstrup, 1859. *H. atlanticus*, Stp., 1859 [monotypic] (= *Alloposus*). Copenhagen Mus.!<sup>11</sup>
- Hallia, Valenciennes, in de Rochebrune, 1884. *H. sepioidea*, Val. in: Rochebr. 1884 [monotypic]  
(= *Hoylea*).
- Helicocranchia**, Massy, 1907. *H. pfefferi*, Massy, 1907 [monotypic]. Dublin Fishery Board.!
- Hemisepion, de Rochebrune, 1884, emendation [?] of **Hemisepius**.
- Hemisepius**, Steenstrup, 1875. *H. typicus*, Stp., 1875 [monotypic]. Copenhagen Mus.!
- Hensenioteuthis**, Pfeffer, 1900. *H. joubini*, Pfr., 1900 [monotypic]. Hamburg Mus.
- Heteroteuthis**, Gray, 1849. *Sepiolo dispar*, Rüppell, 1844 [monotypic].

<sup>6</sup> *D. eschrichti* = *Ommastrephes gigas* d'Orbigny, 1835 (*fide* Pfeffer).

<sup>7</sup> According to Chun *Eledonella* is a synonym of *Bolitaena*. If this be the case Verrill's name must stand, for Steenstrup in 1859 gave neither diagnosis nor type; the first definition was given in the "Challenger" Report in 1886.

<sup>8</sup> d'Orbigny includes the following in his Genus *Enoploteuthis*.

*E. leptura*,  
*E. morisii*, removed to *Abralia*, 1849,  
*E. molinae*, type of *Cuciotheuthis*, 1882,  
*E. lesueurii*, type of *Ancistrochirus*, 1849,  
*E. armata*, type of *Abralia*, 1849,  
*E. subsagittata*, fossil.

<sup>9</sup> Steenstrup enumerates three species *E. morsei*, *stenodactyla* and *bursa* as belonging to this genus, but does not specify a type; in default of any evidence to the contrary I think it is proper to regard the species first named as the type and I venture to designate it as such to guard against any uncertainty in the future.

<sup>10</sup> The name is preoccupied in Aves (Blyth, 1863).

<sup>11</sup> Having examined the type of *Haliphron* in Copenhagen and that of *Alloposus* in Washington I am satisfied that these two names are synonyms; Steenstrup's phrase (like the flower of a Lily of the Valley *Convallaria majalis*), is not, I think, a valid diagnosis and therefore Verrill's name must take precedence.

- Heteroteuthis, Verrill, 1880. *H. tenera*, Vll., 1880 [monotypic] (= *Semirossia*).  
 Histioceraeus Steenstrup, 1880 [*nomen nudum*, no species mentioned].  
 Histiopsis Hoyle, 1885. *H. atlantica*, Hoyle, 1885 [monotypic] (= *Histioteuthis*)<sup>12</sup>  
*Histioteuthis*, d'Orbigny, 1846. *Cranchia bonellii*, Férussac, 1835 [monotypic].<sup>13</sup>  
*Hoylea*, de Rochebrune, 1886. *Hallia sepioidea* Valenciennes, MS.  
*Hyaloteuthis*, Gray, 1849. *Sepia pelagica*, Bosc, 1802 [monotypic].  
 Hyaloteuthis, Pfeffer, 1884. *Loligopsis vermicularis*, Rüppell, 1844 [monotypic] (= *Doratopsis*).  
*Idiosepius*, Steenstrup, 1881. *I. pygmaeus*, Stp., 1881 [monotypic].  
*Illex*, Steenstrup, 1880. *Loligo illecebrosa*, Lesueur, 1821 [species first named].<sup>14</sup>  
*Japetella*, Hoyle, 1885. *J. prismatica*, Hoyle, 1885 [monotypic]. Brit. Mus. !  
*Leachia*, Lesueur, 1821. *L. cyclura*, Lesueur, 1821 [monotypic].  
*Lepidoteuthis*, Joubin, 1895. *L. grimaldii*, Joubin, 1895 [monotypic].  
 Leptoteuthis, Verrill, 1884. *L. diaphana*, Vll., 1884 [sp. first named].<sup>15</sup>  
 Lestoteuthis, Verrill, 1880. *Onychoteuthis kamtschatica*, Middendorf, 1849 [designation] (= *Gonatus*).  
*Liocranchia*, Pfeffer, 1884. *L. brockii*, Pfeffer, 1884 [sp. first named].  
 Lituina, Link, 1806. *Nautilus spirula*, Linn., 1758 [monotypic] (= *Spirula*).  
 Lituus, Gray, 1849. *L. laevis*, Gray, 1849 [sp. first mentioned] (= *Spirula*).<sup>16</sup>  
*Loligo*, Schneider, 1784. *L. vulgaris*, Lamarck, 1798 [sp. first named].<sup>17</sup>  
*Loligopsis*, Lamarck, 1812. *L. peronii*, Lmk., 1812 [monotypic].  
*Loliolus*, Steenstrup, 1856. *L. typus*, Stp., 1856 [designation].<sup>18</sup>  
*Lolliguncula*, Steenstrup, 1881. *Loligo brevis*, Blainville, 1823 [monotypic].  
*Lycoteuthis*, Pfeffer, 1900. *L. jattai*, Pfr., 1900 [monotypic]. Hamburg Mus. !<sup>19</sup>  
 Martialia, Rochebrune & Mabile, 1889. *M. hyadesi*, M. & R., 1889 [monotypic] (= *Dosidicus*).

<sup>12</sup> *Histiopsis* is beyond all reasonable doubt the young of some species of *Histioteuthis*.

<sup>13</sup> d'Orbigny calls this species "*Bonelliana*", but there seems no reason to depart from the form originally proposed by Férussac.

<sup>14</sup> In default of any other indication I venture to designate the species first named by Steenstrup as the type of the genus.

<sup>15</sup> The name is preoccupied; = *Doratopsis* de Rochebrune, 1884.

<sup>16</sup> So far as I can ascertain Gray is the first post-Linnean writer to use *Lituus* in a generic sense with any definition or indication. The word occurs in the „Museum Calonnianum“, p. 62, but without definition and among the „Terrestres“ or land mollusca. The word was also used by Martyn „Universal Conchologist“ in 1784, fig 27, for a Pulmonate.

<sup>17</sup> In determining what should be regarded as the type of this genus I have been guided by the following considerations. The genus was created by Schneider (1784), but he does not mention any type though his opening sentence (p. 110) „Dies soll nach Linné die große Art des Rondelet und Needham sein“ leaves no doubt that he had the *Sepia loligo* of Linné in mind. The difficulty consists in knowing what species this was. I have looked up the various authorities referred to by Linné and find that they include a great variety of forms; in fact they comprise all those with cylindrical body and fins. Pennant (1777) does not help us for though his figure (pl. 27) is an undoubted *Loligo* (I believe *L. forbesi* Stp.) his references show that his *Sepia loligo* like that of Linné included also forms referable to *Ommastrephes*. Lamarck (1798, 1799) erects a genus *Loligo*, apparently independent of Schneider, but with the same characters, and names his first species *L. vulgaris*, with the remark „Il est vraisemblable que Linné n'a point connu cette espèce“. Under these circumstances the only reasonable plan occurs to me to be to regard *L. vulgaris* Lamk. as the type of his genus and therefore of that of Schneider. This is practically what has been done by most subsequent writers though I am not aware that anyone has stated the fact in so many words.

<sup>18</sup> The names (*typus* and *affinis*) given to the two species first described leave no doubt as to which the author regarded as the type.

<sup>19</sup> Pfeffer has recently identified this species with *Enoploteuthis diadema* Chun, 1900.

- Mastigoteuthis**, Verrill, 1881. *M. agassizii*, Vll., 1881 [monotypic].
- Megalocranchia, Pfeffer, 1884. *M. maxima*, Pfr., 1884 [monotypic] (= *Desmoteuthis*).
- Megaloteuthis, Kent, 1874. *M. harveyi*, 1874 [monotypic] (= *Architeuthus*).
- Megateuthus, Hilgendorf, 1880. *M. martensii*, Hilgdf., 1880 [monotypic] (= *Architeuthus*).
- Meleagroteuthis**, Pfeffer, 1900. *M. hoylei*, Pfr., 1900 [monotypic]. Hamburg Mus.!
- Metasepia**, Hoyle, 1885. *M. pfefferi*, Hoyle, 1885 [monotypic]. Brit. Mus.!
- Micrabralia**, Pfeffer, 1900. *Abralia lineata*, Goodrich, 1896 [monotypic]. Indian Mus.<sup>20</sup>
- Microteuthis, Ortmann, 1888. *M. paradoxa*, Ortm., 1888 [monotypic.] (= *Idiosepius*).
- Moroteuthis**, Verrill, 1881. *Ommastrephes robustus*. Dall, MS., 1876 [monotypic].
- Moschites**, Schneider, 1784 [no type given].<sup>21</sup>
- Mouchezia, Vélani, 1877. *M. sancti-pauli*, Vél., 1877 [monotypic] (= *Architeuthus*).
- Nectoteuthis**, Verrill, 1883. *N. pourtalesi*, Verrill, 1883 [monotypic].
- Octopodoteuthis**, Rüppell, 1844 (*em.*). *O. sicula*, Rüpp., 1844 [monotypic].
- Octopoteuthis = **Octopodoteuthis**.<sup>22</sup>
- Octopus, Lamarck, 1798. *O. vulgaris*, Lmk., 1798 [sp. first mentioned] (= *Polypus*).
- Ocythoe, Leach, 1817. *O. cranchii*, Leach, 1817 [monotypic] (= *Argonauta*).
- Ocythoe**, Rafinesque, 1814. *O. tuberculata*, Raf., 1814 [monotypic].
- Ommastrephes**, d'Orbigny, 1835. *Loligo sagittata*, var. *α* Lamarck, 1798 [sp. first mentioned, elimination, Verrill, 1880, Steenstrup, 1880].
- Ommatostrephes, Loven, 1846, emendation of **Ommastrephes**.
- Onychia, Lesueur, 1821 (*em.*). *O. caribbaea*, Les., 1821 [designation] (= *Teleoteuthis*).<sup>23</sup>
- Onychoteuthis**, Lichtenstein, 1818. *O. bergii*, Licht., 1818 (= *Loligo banksii*, Leach, 1817) [designation].<sup>24</sup>
- Onykia, Lesueur, 1821 (*see Onychia em.*).
- Opisthoteuthis**, Verrill, 1883. *O. agassizii*, Vll., 1883 [monotypic].
- Ouroteuthis, P. Fischer, in: Filhol, 1885. *O. megaptera*, P. Fischer, 1885 (*nomen nudum*).
- Owenia, Prosch, 1847 (subg.). *O. megalops*, Prosch, 1847 [monotypic] (= *Cranchia*).
- Ozoena, Rafinesque, 1814. *Octopus moschatus*, Lamarck, 1798 [monotypic] (= *Moschites*).
- Perothis, Eschscholtz, in: Rathke, 1833. *P. eschscholtzii*, Rathke, 1833 [designation] (= *Leachia*).
- Phasmatopsis, de Rochebrune, 1884. *P. cymoctypus*, Rocheb., 1884 [monotypic] (= *Taonius*). Mus. Paris.!
- Philonexis, d'Orbigny, 1835 (subg.). *P. quoyanus*, d'Orb., 1835 [sp. first named] (= *Tremoctopus*).
- Pinnoctopus**, d'Orbigny, 1845. *Octopus cordiformis*, Quoy & Gaimard, 1832 [monotypic].
- Plectoteuthis, Owen, 1881. *P. grandis*, Owen, 1881 [monotypic] (= *Architeuthus*).

<sup>20</sup> This is probably the young of some species of *Abralia*.

<sup>21</sup> From the definition *Moschites* is the same as *Eledone* Leach and must therefore take the type of that genus, which is *Octopus moschatus* Lamarck.

<sup>22</sup> There can be no reasonable doubt that this spelling is the result of a printer's error and that the rectification to *Octopodoteuthis* made by Krohn in 1845 is fully justified.

<sup>23</sup> Although two species "*O. caribboea*" and "*O. angulatus*" are referred to by Lesueur, yet in as much as one is described and the other merely referred to, the former has every claim to be regarded as the type; *Teleoteuthis* Verrill has precedence over this name which was preoccupied in Entomology.

<sup>24</sup> I regard this as a case of "type by original designation" because this species is described and figured from an actual specimen, whereas the others are merely based upon the more or less inadequate accounts of previous writers.

- Polypus*, Schneider, 1784 [no type given].<sup>25</sup>
- Procalistes*, Lankester, 1884. *P. suhmi*, Lk., 1884 [monotypic] (= *Taonidium*?). Brit. Mus.!<sup>26</sup>
- Promachoteuthis*, Hoyle, 1885. *P. megaptera*, Hoyle, 1885 [monotypic]. Brit. Mus.!
- Pteroteuthis, de Blainville, 1824. *Loligo vulgaris*, Lister = *L. forbesi* Stp. (= *Loligo*).
- Pteroteuthis, Ehrenberg, 1831. *P. arabica*, Ehb., 1831 [monotypic.] (= *Loligo*).
- Pterygioteuthis*, H. Fischer, 1895. *P. giardi*, H. Fischer, 1895 [monotypic].
- Pyrgopsis, de Rochebrune, 1884. *P. rhynchopherus*, de Rochebr., 1884 [monotypic] (= *Zygocranchia*).
- Pyroteuthis*, Hoyle, 1904. *Enoploteuthis margaritifera*, Rüppell, 1844 [monotypic].
- Rhombosopion, de Rochebrune, 1884. *Sepia rupellaria* d'Orbigny, 1834 [sp. first mentioned] (= *Sepia* + *Sepiella partim*).
- Rhynchoteuthion*, Pfeffer, 1908. (See *Rhynchoteuthis*, Chun, 1903).
- Rhynchoteuthis*, d'Orbigny, 1847 [a generic name applied to the fossilized beaks of Cephalopoda; I cannot find that a type has ever been fixed].
- Rhynchoteuthis, Chun, 1903 (= *Rhynchoteuthion*).<sup>27</sup>
- Rossia*, Owen, 1834. *R. palpebrosa*, Owen, 1834 [monotypic].
- Sandalops*, Chun, 1906. *S. melancholicus*, Chun, 1906 [monotypic].
- Scaeurgus*, Troschel, 1857. *S. titanotus*, Tr., 1857 [sp. first named].
- Sciadephorus, Reinhardt & Prosch, 1846. *Cirrocuthis mülleri*, Eschricht, 1836 [monotypic] (= *Cirro-teuthis*). Copenhagen Mus.
- Semirossia*, Steenstrup, 1887. *Heterocuthis tenera*, Verrill, 1880 [designation].<sup>28</sup>
- Sepia*, Linné, 1758. *S. officinalis*, L., 1758 [elimination].
- Sepiadarium*, Steenstrup, 1881. *S. kochii*, Stp., 1881 [monotypic].
- Sepiella*, Gray, 1849. *Sepia ornata*, Rang, 1837 [sp. first named].
- Sepiola*, Schneider, 1784 [no type given]. *S. rondeletii*, Leach, 1817.<sup>29</sup>
- Sepioteuthis*, de Blainville, 1824. *S. sepiacea*, Blv., 1824 (This specific name is a *lapsus calami* or a misprint for *L. sepioidea*, Blv., 1823).

<sup>25</sup> This genus being by definition equivalent to the first two species referred to by Lamarck to his *Octopus* will naturally take the same type as this genus, viz. *O. vulgaris*.

<sup>26</sup> The validity of the name *Procalistes* as against *Taonidium* demands a brief discussion. The identification of the larval form described by Lankester, with the larger specimens figured in the "Challenger" Report seemed to me at the time very plausible and had the support of the late Professor Steenstrup. Now in view of the number of *Taonius*-like species since discovered I cannot regard this identification as beyond question. If it should prove true then *Procalistes* must replace *Taonidium*. Chun considers that he has evidence that *Galiteuthis* is an older form of *Taonidium*; but this has not yet been made public. If it be so then *Galiteuthis* must replace *Taonidium* and it may be that *Procalistes* will replace both. At present it seems to me wise, until further evidence is forthcoming, to retain the name *Procalistes* for the larva, *Taonidium* for the "Challenger" specimens from Station 159, and *Galiteuthis* for Joubin's species.

<sup>27</sup> No species is mentioned by the original describer; the only named species is *R. chuni* Hoyle, 1904; the forms on which genus is based are probably the young stages of some Ommastrephid and in addition the name is preoccupied.

<sup>28</sup> Steenstrup does not state in so many words that Verrill's species is the type of his genus, but from the way in which he treats of this and of the other form (*R. patagonica*, Smith) there can, I think, be no doubt as to which he regarded as typical.

<sup>29</sup> Leach gives no authority for the species *S. rondeletii* and the only identification is a reference to „*Sepiola sepiola* Linné" as a synonym. This would seem to require that Linné's name should take precedence, and such would be the case were it possible to ascertain what Linné meant by his *S. sepiola*. I have failed to discover this and no subsequent writer has given an adequate definition. *S. rondeletii* has, however, been satisfactorily characterised by d'Orbigny and I am of opinion that this name should stand as that of the type species of the genus *Sepiola*.

- Spathidosepion, de Rochebrune, 1884. *Sepia tuberculata*, Lamarck, 1798 [monotypic] (= *Sepia*).
- Spirula*, Lamarck, 1799. *Nautilus spirula*, Linn., 1758 [monotypic].
- Stauroteuthis*, Verrill, 1879. *S. syrtensis*, Vll., 1879 [monotypic].
- Steenstrupia, Kirk, 1882. *S. stockii*, Kirk, 1882 [monotypic] (name preoccupied = *Architeuthis*).
- Steenstrupiola, Pfeffer, 1884. *S. chilensis* Pfr., 1884 [sp. first named.] (= *Tracheloteuthis*).<sup>30</sup>
- Stephanoteuthis, Berry, 1909. *S. hawaiiensis*, Berry, 1909 [monotypic].
- Stenoteuthis*, Verrill, 1880. *Architeuthis mcgaptera*, Verrill, 1878 [designation].
- Stigmatoteuthis*, Pfeffer, 1900. *Histiopsis hoylci*, Goodrich, 1896 [monotypic]. Indian Mus.
- Stoloteuthis*, Verrill, 1881. *Scpiola leucoptera*, Vll., 1878 [monotypic].
- Symplectoteuthis*, Pfeffer, 1900. *Loligo oualaniensis*, Lesson, 1830 [monotypic].
- Taonidium*, Pfeffer, 1900. *Procalistes sulunii* Lankester, 1884; Hoyle, 1885. Brit. Mus. [monotypic]  
(See note on *Procalistes*).
- Taonius*, Steenstrup, 1861. *Loligo pavo* Lesueur, 1821 [designation].
- Teleonychoteuthis*, Pfeffer, 1900. *Onychoteuthis krohnii*, Vérany, 1851 [monotypic].
- Teleoteuthis*, Verrill, 1882. *Onychia caribbaea*, Lesueur, 1821.<sup>31</sup>
- Tetronychoteuthis*, Pfeffer, 1900. *Onychoteuthis dussumieri*, d'Orbigny 1845 [monotypic].
- Teuthis, Schneider, 1784 [no type given; name preoccupied] (= *Loligo*).
- Thaumatolampas, Chun, 1903. *Enopoteuthis diadema*, Chun, 1900 [monotypic] (= *Lycoteuthis*).
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- Thysanoteuthis*, Troschel, 1857. *T. rhombus*, Troschel, 1857.
- Todarodes, Steenstrup, 1880. *Loligo sagittata* Lamarck, 1798 [sp. first named] (= *Ommastrephes*).
- Todaropsis*, Girard, 1890. [*T. veranyi*, Girard, 1890 = *Loligo eblanae*, Ball, 1841] [monotypic].
- Toxeuma*, Chun, 1906. *T. belone*, Chun, 1906 [monotypic].
- Tracheloteuthis*, Steenstrup, 1881. *T. riisei*, Stp., 1881 [designation, Hoyle, 1905]. Copenhagen Mus.!
- Tremoctopus*, delle Chiaje, 1830. *T. violaceus*, d. Ch., 1830 [monotypic].<sup>32</sup>
- Tritaxopus, Owen, 1881. *T. cornutus*, Owen, 1881 [monotypic] (= *Polypus?*).
- Vampyroteuthis*, Chun, 1903 [nomen nudum, no type mentioned].
- Verania, Krohn, 1847. *Octopoteuthis sicula*, Rüppell 1844, [monotypic] (= *Octopodoteuthis*).
- Verrilliola, Pfeffer, 1884. *V. gracilis*, Pfr., 1884 [sp. first named] (= *Tracheloteuthis*).
- Zygaenopsis, de Rochebrune, 1884. *Loligopsis zygaena*, Vérany, 1851 [monotypic] (= *Zygocranchia*).
- Zygocranchia*, Hoyle, 1909. *Loligopsis zygaena*, Vérany, 1851 [monotypic].

I have not encumbered this list with bibliographical references; they will be found in my "Catalogue of Recent Cephalopoda" and its "First" and "Second Supplements" (*Proc. Roy. Phys. Soc. Edinburgh*, vol. 9, pp. 205—267, 1886; vol. 13, pp. 363—373, 1897; vol. 17, pp. 254—299, 1909).

<sup>30</sup> Two species were referred by the author to this genus, but as these are now both regarded by him as synonyms of different species of *Teleoteuthis* the genus lapses and it is hardly necessary to determine which was the type.

<sup>31</sup> *Teleoteuthis* Verrill was proposed as a substitute for *Onychia* Lesueur, which was preoccupied, and therefore takes the same type as that genus (*O. caribbaea*).

<sup>32</sup> "Dans la même année [1830] M. delle Chiaje publia dans ses mémoires, ce céphalopode sous le nom de *Tremoctopus violaceus*, Pl. LXX" Vérany, Céph. médit., p. 44, 1851.

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