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Checklist of Nemertean Genera and Species Published between 1995 and 2007

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Between the years 1995 and 2007, 48 nominal genera and 128 nominal species of nemerteans were established worldwide. During this period, taxonomic changes such as synonymization, alteration of affiliation to higher taxa, and resurrection of formerly invalid names were made for 26 genera and 69 species. The nominal genera and species established between 1995 and 2007, as well as the taxonomic changes made at the genus and species level, are listed here with their original citations. The type depositories for the nominal species established since 1995 are also mentioned. In total, 285 genera and 1275 species are currently recognized as valid in the phylum Nemertea. Their distribution among higher taxa is as follows: Palaeonemertea (12 genera, 110 species), Pilidiophora (101, 450), Monostilifera (116, 570), Reptantia (15, 46), and Pelagica (40, 98), in addition to one species in a monotypic genus, the higher taxonomic affinities of which are uncertain. Two taxonomic and one nomenclatural changes are proposed herein: *Sundbergia* Gibson, 2002 and *Tetramys* Iwata, 1957 are tentatively transferred from the Palaeonemertea to the Pilidiophora, and *Polydendrorhynchus* Yin and Zeng, 1986 is substituted for *Dendrorhynchus* Yin and Zeng, 1985 to avoid homonymy with *Dendrorhynchus* Keilin, 1920 (Protozoa: Apicomplexa: Gregarina); the latter results a new combination *Polydendrorhynchus zhanjiangensis* (Yin and Zeng, 1984).

Key Words: Nemertea, genus, species, checklist, type depositories, *Sundbergia*, *Tetramys*, *Dendrorhynchus*, *Polydendrorhynchus zhanjiangensis* comb. nov.

Introduction

Gibson (1995) listed all the nemertean genera and species known to that date, recognizing 250 genera and 1149 species as valid. Here we present a list of genera and species established and taxonomically altered between 1995 and 2007, providing supplement and corrections to Gibson's (1995) checklist. The type depository of each listed nominal species is also mentioned. The genera and species are arranged alphabetically within the five unranked higher taxa recognized here, which are largely based on the traditional schemes provided by Gibson (1982a, b, 1994, 1995), Sundberg (1991), and Chernyshev (1995), in addition to Thollesson and Norenburg's (2003) molecular phylogenetic analysis within the phylum: Palaeonemertea; Pilidiophora (former Heteronemertea plus *Hubrechtella* and its allied genera); Monostilifera; Reptantia; Pelagica.

Throughout the text and tables, the International Commission on Zoological Nomenclature and the International Code of Zoological Nomenclature are referred to, respectively, as "ICZN" and the "Code". Cyrillic characters are romanized according to Barry (1997). Genus and species names currently recognized as valid are listed in **bold-faced italics**; those considered as invalid are in non-boldface italics. The following acronyms are used to indicate type depositories: GNHM, Göteborg Natural History Museum, Gothenburg, Sweden; IHBCAS, Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, China; LBM, Lake Biwa Museum, Kusatsu, Japan; LIVM, Liverpool Museum, Liverpool, UK; LZSEUR, Laboratoire de Zoologie et des Sciences de l'Environnement de l'Unité de Formation et de Recherche Sciences Exactes et Naturelles de l'Université de Reims Champagne-Ardenne, Reims, France; MACN, Museo Argentino de Ciencias Naturales (Division Invertebrados), Buenos Aires, Argentina; MEUU, Museum of Evolution (catalogue number under "Nemertini"), Uppsala University, Uppsala, Sweden; MHNG, Muséum d'Histoire Naturelle de la Ville de Genève, Geneva, Switzerland; MMBI, Museum of A. V. Zirmunsky Institute of Marine Biology, Vladivostok, Russia; MNCN, Museo Nacional de Ciencias Naturales, Madrid, Spain; MNZTPT, Museum of New Zealand Te Papa Tongarewa, Wellington, New Zealand; MTQ, Museum of Tropical Queensland, Townsville, Australia; NHMW-EV, Naturhistorisches Museum in Wien, *Evertebrata Varia*, Vienna, Austria; NZOI, New Zealand Oceanographic Institute, National Institute of Water and Atmospheric Research, Wellington, New Zealand; OUCQ, Marine Culture Research Laboratory, Ocean University of China, Qingdao, China; QM, Queensland Museum, South Brisbane, Australia; SBMNH, Department of Invertebrate Zoology, Santa Barbara Museum of Natural History, Santa Barbara, USA; SMNH, Stockholm Museum of Natural History (Naturhistoriska Riksmuseet), Stockholm, Sweden; USNM, National Museum of Natural History, Smithsonian Institution, Washington DC, USA; WAM, Western Australian Museum, Perth, Australia; ZIHU, Hokkaido University Museum, Sapporo, Japan; ZIRAS, Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia; ZMFEU, Zoological Museum of the Far Eastern University, Vladivostok, Russia.

Results

Total taxa

Forty-eight nominal genera and 128 nominal species of nemerteans have been established since 1995. Taking into account other taxonomic changes made after 1995, the total numbers of nemertean genera and species currently recognized as valid are 285 and 1275, respectively. These are distributed among higher taxa as follows: Palaeonemertea (12 genera, 110 species), Pilidiophora (101, 450), Monostilifera (116, 570), Reptantia (15, 46), and Pelagica (40, 98), in addition to *Arhynchonemertes axi* Riser, 1988, an enigmatic species without a rhynchocoel and proboscis (Riser 1988), the phylogenetic position of which remains uncertain.

Nemertean genera established since 1995

PALAEONEMERTEA

Balionemertes Sundberg, Gibson and Olsson, 2003 (Sundberg *et al.* 2003: 283). Type species: ***Balionemertes australiensis*** Sundberg, Gibson and Olsson, 2003; fixed by monotypy.

Parahubrechtia Gibson and Sundberg, 1999 (Gibson and Sundberg 1999: 159). Type species: ***Parahubrechtia jillae*** Gibson and Sundberg, 1999; fixed by original designation.

Protubulanus Chernyshev, 1995 (Chernyshev 1995: 11). Type species: *Carinella theeli* Bergendal, 1902; fixed by original designation.

PILIDIOPHORA

Ammolineus Senz, 2001 (Senz 2001a: 36). Type species: ***Ammolineus gaimardi*** Senz, 2001; fixed by original designation.

Amorphonemertes Cantell, 1998 (Cantell 1998: 293). Type species: ***Amorphonemertes kubergensis*** Cantell, 1998; fixed by original designation.

Fragilonemertes Riser, 1998 (Riser 1998a: 149). Type species: *Meckelia rosea* Leidy, 1851; fixed by original designation.

Note: USNM #170035 was designated as the neotype of *Fragilonemertes rosea* (Leidy, 1851) by Riser (1998a: 150).

Gastropion Moretto, 1998 (Moretto 1998: 215). Type species: ***Gastropion sanmantiensis*** Moretto, 1998; fixed by original designation.

Heteroenopleus Wern, 1998 (Wern 1998: 136). Type species: ***Heteroenopleus enigmaticus*** Wern, 1998; fixed by monotypy.

Heteronemertes Chernyshev, 1995 (Chernyshev 1995: 15). Type species: *Cerebratulus longifissus* Hubrecht, 1887; fixed by original designation.

Kohnia Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 104). Type species: ***Kohnia rotnestensis*** Sundberg and Gibson, 1995; fixed by original designation.

Kukumia Gibson and Sundberg, 2002 (Gibson and Sundberg 2002: 1791). Type species: ***Kukumia solomonensis*** Gibson and Sundberg, 2002; fixed by original designation.

Leucocephalonemertes Cantell, 1996 (Cantell 1996: 116). Type species: *Meckelia aurantiaca* Grube, 1855; fixed by monotypy.

Micconemertes Gibson, 1997 (Gibson 1997: 23). Type species: ***Micconemertes orientalis*** Gibson, 1997; fixed by original designation.

Myorhynchonemertes Senz, 1997 (Senz 1997a: 483). Type species: *Meckelia striata*

Schmarda, 1859; fixed by original designation.

Nipponomicrura Chernyshev, 1995 (Chernyshev 1995: 15). Type species: *Micrura uchidai* Yamaoka, 1940; fixed by original designation.

Paracerebratulus Senz, 1997 (Senz 1997a: 451). Type species: ***Paracerebratulus adriaticus*** Senz, 1997; fixed by original designation.

Quasiutolineides Senz, 2001 (Senz 2001a: 22). Type species: ***Quasiutolineides mcintoshi*** Senz, 2001; fixed by original designation.

Sundbergia Gibson, 2002 (Gibson 2002: 15). Type species: ***Sundbergia albula*** Gibson, 2002; fixed by original designation.

Note: Originally classified in the Palaeonemertea, but here tentatively reassigned to the Pilidiophora, due to its morphological similarity to ***Hubrechtella***.

Uricholemma Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 121). Type species: ***Uricholemma nigricans*** Sundberg and Gibson, 1995; fixed by original designation.

Utolineides Senz, 1997 (Senz 1997a: 477). Type species: ***Utolineides alba*** Senz, 1997; fixed by original designation.

Yinia Sun and Lu, 1998 (Sun and Lu 1998: 176). Type species: *Yinia pratensis* Sun and Lu, 1998; fixed by original designation.

Note: This name is preoccupied by *Yinia* Li, 1994 (Insecta: Psocoptera); Sun and Lu (2008) proposed a replacement name ***Yininemertes*** to remedy this homonymy.

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Achoronemertes Crandall and Gibson, 1998 (Crandall and Gibson 1998: 174). Type species: *Amphiporus scoresbyi* Wheeler, 1934; fixed by monotypy.

Aenigmanemertes Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 125). Type species: ***Aenigmanemertes norenburgi*** Sundberg and Gibson, 1995; fixed by original designation.

Crybelonemertes Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 131). Type species: ***Crybelonemertes arenicola*** Sundberg and Gibson, 1995; fixed by original designation.

Cyanonemertes Iwata, 2007 (Iwata 2007: 198). Type species: ***Cyanonemertes elegans*** Iwata, 2007; fixed by original designation.

Diopsonemertes Kajihara, Gibson and Mawatari, 2001 (Kajihara *et al.* 2001: 187). Type species: ***Diopsonemertes acanthocephala*** Kajihara, Gibson and Mawatari, 2001; fixed by original designation.

Frontonemertes Iwata, 2006 (Iwata 2006: 874). Type species: ***Frontonemertes serpentina*** Iwata, 2006; fixed by original designation.

Furugelmina Chernyshev, 1998 (Chernyshev 1998a: 401). Type species: ***Furugelmina heteromusculosa*** Chernyshev, 1998; fixed by original designation.

Heilogonemertes Gibson, 2002 (Gibson 2002: 68). Type species: ***Heilogonemertes cooki*** Gibson, 2002; fixed by original designation.

Kirsteueriella Chernyshev, 2002 (Chernyshev 2002a: 915). Type species: *Paranemertes biocellata* Coe, 1944; fixed by original designation.

Limnemertes Gibson and Wang, 2002 (Gibson and Wang 2002: 186). Type species: ***Limnemertes poyangensis*** Gibson and Wang, 2002; fixed by original designation.

Noteonemertes Gibson, 2002 (Gibson 2002: 48). Type species: ***Noteonemertes novaezealandiae*** Gibson, 2002; fixed by original designation.

- Ovicides** Shields, 2001 (Shields 2001: 305). Type species: *Ovicides julieae* Shields, 2001; fixed by monotypy.
- Parischyronemertes** Gibson, 2002 (Gibson 2002: 54). Type species: *Parischyronemertes mathesonensis* Gibson, 2002; fixed by original designation.
- Potamostoma** Kajihara, Gibson and Mawatari, 2003 (Kajihara *et al.* 2003: 492). Type species: *Potamostoma shizunaiense* Kajihara, Gibson and Mawatari, 2003; fixed by original designation.
- Protetrastemma** Chernyshev, 2004 (Chernyshev 2004a: 151). Type species: *Tetrastemma viride* Kulikova, 1989; fixed by original designation.
- Pseudotetrastemma** Sun, 1993 (Sun 1993: 1306). Type species: *Pseudotetrastemma qingdaoense* Sun, 1993; fixed by original designation.
Note: Omitted in Gibson's (1995) checklist; the specific epithet was originally spelled in the masculine/feminine gender as "*qingdaoensis*".
- Quasitetrastemma** Chernyshev, 2004 (Chernyshev 2004a: 152). Type species: *Tetrastemma nigrifrons* Coe, 1904; fixed by original designation.
- Quoyianemertes** Senz, 2001 (Senz 2001a: 69). Type species: *Quoyianemertes girardi* Senz, 2001; fixed by original designation.
- Sanjuannemertes** Iwata, 2006 (Iwata 2006: 904). Type species: *Sanjuannemertes willowsi* Iwata, 2006; fixed by original designation.
- Satellitenemertes** Iwata, 2006 (Iwata 2006: 887). Type species: *Satellitenemertes satellitensis* Iwata, 2006; fixed by original designation.
- Tetraneuronemertes** Sundberg, Gibson and Strand, 2007 (Sundberg *et al.* 2007: 2293). Type species: *Tetraneuronemertes lougreni* Sundberg, Gibson and Strand, 2007; fixed by original designation.
- Thallassionemertes** Gibson and Sundberg, 2001 (Gibson and Sundberg 2001: 1262). Type species: *Thallassionemertes leucocephala* Gibson and Sundberg, 2001; fixed by original designation.
- Thermanemertes** Rogers, Gibson and Tunnicliffe, 1996 (Rogers *et al.* 1996: 1583). Type species: *Thermanemertes valens* Rogers, Gibson and Tunnicliffe, 1996; fixed by original designation.
- Typhloerstedtia** Chernyshev, 1999 (Chernyshev 1999a: 946). Type species: *Typhloerstedtia anadonae* Chernyshev, 1999; fixed by original designation.
Note: A new name for *Oerstedtia vittata* Hubrecht, 1879 *sensu* Anadon and Bitar (1992: 383).
- Verrillianemertes** Senz, 2001 (Senz 2001a: 61). Type species: *Verrillianemertes rathkei* Senz, 2001; fixed by original designation.
- Vulcanonemertes** Gibson and Strand, 2002 (Gibson and Strand 2002: 2). Type species: *Vulcanonemertes rangitotoensis* Gibson and Strand, 2002; fixed by original designation.

REPTANTIA

- Kameginemertes** Iwata, 1998 (Iwata 1998: 199). Type species: *Amphiporus parmior-natus* Iwata, 1957; fixed by original designation.

Nemertean species established since 1995 and their type depositories

PALAEONEMERTEA

- Balionemertes australiensis** Sundberg, Gibson and Olsson, 2003 (Sundberg *et al.* 2003: 285). Holotype: MTQ G20021.
- Callinera blanchardi** Senz, 2000 (Senz 2000: 333). Holotype: NHMW-EV 4019.

- Callinera bergendali* Gibson and Sundberg, 1999 (Gibson and Sundberg 1999: 165). Holotype: SMNH 4891.
- Callinera emiliae* Kajihara, 2007 (Kajihara 2007a: 40). Holotype: ZIHU 3187.
- Callinera nishikawai* Kajihara, 2006 (Kajihara 2006: 17). Holotype: ZIHU 3133.
- Callinera quatrefagesi* Senz, 2000 (Senz 2000: 339). Holotype: NHMW-EV 4012.
- Callinera zhirmunskyi* Chernyshev, 2002 (Chernyshev 2002b: 132). Holotype: ZMFEU IX-18165.
- Carinina johnstoni* Senz, 2000 (Senz 2000: 324). Holotype: NHMW-EV 4000.
- Carinina plecta* Kajihara, 2006 (Kajihara 2006: 5). Holotype: ZIHU 3123.
- Carinina sinensis* Gibson and Sundberg, 1999 (Gibson and Sundberg 1999: 171). Holotype: SMNH 4892.
- Carinesta dellechiaiei* Senz, 2000 (Senz 2000: 328). Holotype: NHMW-EV 4004.
- Carinoma renieri* Senz, 2000 (Senz 2000: 346). Holotype: NHMW-EV 4030.
- Carinoma uschakovi* Chernyshev, 1999 (Chernyshev 1999b: 1276). Holotype: ZIRAS no. 2.
- Cephalothrix gaimardi* (Senz, 2000) (Senz 2000: 352). Holotype: NHMW-EV 4033.
Note: Originally described as *Cephalotrichella gaimardi* Senz, 2000, herein listed under *Cephalothrix* Örsted, 1843 as the result of Sundberg *et al.*'s (2003) synonymization of *Cephalotrichella* Wijnhoff, 1913 with *Cephalothrix*.
- Cephalothrix kefersteini* Senz, 2000 (Senz 2000: 358). Holotype: NHMW-EV 4040.
- Cephalothrix queenslandica* Sundberg, Gibson and Olsson, 2003 (Sundberg *et al.* 2003: 292). Holotype: MTQ G20022.
- Parahubrechtia jillae* Gibson and Sundberg, 1999 (Gibson and Sundberg 1999: 159). Holotype: SMNH 4890.
- Tubulanus hylbomi* Gibson and Sundberg, 1999 (Gibson and Sundberg 1999: 178). Holotype: SMNH 4893.
- Tubulanus longivasculus* Gibson and Sundberg, 1999 (Gibson and Sundberg 1999: 186). Holotype: SMNH 4894.
- Tubulanus lutescens* Cantell, 2001 (Cantell 2001: 214). Holotype: MEUU 13.
- Tubulanus riceae* Ritger and Norenburg, 2006 (Ritger and Norenburg 2006: 933). Holotype: USNM 1083007.
- Tubulanus roretzi* Senz, 1997 (Senz 1997a: 424). Holotype: NHMW-EV 1886.
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- Ammolineus gaimardi* Senz, 2001 (Senz 2001a: 37). Holotype: NHMW-EV 4138 (ZA 14).
- Amorphonemertes kubergensis* Cantell, 1998 (Cantell 1998: 293). Holotype: MEUU 9.
- Baseodiscus jonasii* Strand, Hjelmgren and Sundberg, 2005 (Strand *et al.* 2005: 3792). Holotype: GNHM 78.
- Cerebratulus aracaensis* Senz, 1997 (Senz 1997a: 437). Holotype: NHMW-EV 16712/1564.
- Gastropion sanmatiensis* Moretto, 1998 (Moretto 1998: 216). Holotype: MACN 33886.
- Heteroenopelus enigmaticus* Wern, 1998 (Wern 1998: 137). Holotype: USNM 174075.
- Hubrechtella alba* Gibson, 1997 (Gibson 1997: 11). Holotype: LIVM 1996.26.1-22.
Note: Originally classified in the Palaeonemertea, but removed to the Pilidiophora by Thollessen and Norenburg (2003).
- Hubrechtella ehrenbergi* Senz, 2000 (Senz 2000: 364). Holotype: NHMW-EV 4087.

Note: Originally classified in the Palaeonemertea, but removed to the Pilidiophora by Thollessen and Norenburg (2003).

Hubrechtella juliae Chernyshev, 2003 (Chernyshev 2003a: 368). Holotype: ZMFEU no. IX N-158/19947.

Note: Originally classified in the Palaeonemertea, but removed to the Pilidiophora by Thollessen and Norenburg (2003).

Hubrechtella kimuraorum Kajihara, 2006 (Kajihara 2006: 37). Holotype: ZIHU 3127.

Note: Originally classified in the Palaeonemertea, but had been removed to the Pilidiophora by Thollessen and Norenburg (2003).

Hubrechtella sinimarina Gibson and Sundberg, 1999 (Gibson and Sundberg 1999: 153). Holotype: SMNH 4889.

Note: Specific epithet originally spelled in the masculine gender, as “*sinimarinus*”; originally classified in the Palaeonemertea, but removed to the Pilidiophora by Thollessen and Norenburg (2003).

Kohnia rotnestensis Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 104). Holotype: WAM 9-95.

Kukumia solomonensis Gibson and Sundberg, 2002 (Gibson and Sundberg 2002: 1792). Holotype: MTQ G20020.

Lineus bergendali Senz, 1996 (Senz 1996a: 198). Holotype: NHMW-EV 16708/3537.

Lineus bioculatus Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 108). Holotype: WAM 10-95.

Lineus gilviceps Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 112). Holotype: WAM 12-95.

Lineus fischeri Senz, 1997 (Senz 1997a: 470). Holotype: NHMW-EV 5209/3583.

Lineus frauenfeldi Senz, 1997 (Senz 1997a: 458). Holotype: NHMW-EV 3576.

Lineus nipponensis Senz, 2001 (Senz 2001b: 5). Holotype: NHMW-EV 17026/3990.

Lineus schultzei Senz, 2001 (Senz 2001a: 35). Holotype: NHMW-EV 4215 (ZA 11).

Lineus sowerbyi Senz, 2001 (Senz 2001a: 27). Holotype: NHMW-EV 4188 (ZA 03).

Micconemertes orientalis Gibson, 1997 (Gibson 1997: 23). Holotype: LIVM 1996.26.122-128.

Micrura achrostocephala Gibson, 1997 (Gibson 1997: 18). Holotype: LIVM 1996.26.50-93.

Micrura callima Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 116). Holotype: WAM 15-95.

Micrura chlorapardalis Schwartz and Norenburg, 2005 (Schwartz and Norenburg 2005: 538). Holotype: USNM 1081561.

Micrura ignea Schwartz and Norenburg, 2005 (Schwartz and Norenburg 2005: 540). Holotype: USNM 1081564.

Micrura rubramaculosa Schwartz and Norenburg, 2005 (Schwartz and Norenburg 2005: 530). Holotype: USNM 1081567.

Oxypolella banyulensis Cantell, 2005 (Cantell 2005: 124). Holotype: MEUU 14.

Paracerebratulus adriaticus Senz, 1997 (Senz 1997a: 451). Holotype: NHMW-EV 16640/3267.

Quasiutolineides mcintoshi Senz, 2001 (Senz 2001a: 22). Holotype: NHMW-EV 4142 (UA 09).

Ramphogordius bicolor (Vernet, 1997) (Vernet 1997: 150). Holotype: LZSEUR *sine numero*.

Note: Specific epithet originally combined with *Myoisophagos* Riser, 1994, which, however, is a junior synonym of *Ramphogordius* (Riser 1998a: 154).

Sundbergia albula Gibson, 2002 (Gibson 2002: 15). Holotype: NZOI H-772.

Note: Originally classified in the Palaeonemertea, but here tentatively treated as belonging to the Pilidiophora, due to its morphological similarity to *Hubrechtella*.

Uricholemma nigricans Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 121). Holotype: WAM 19-95.

Utolineides alba Senz, 1997 (Senz 1997b: 478). Holotype: NHMW-EV 3269.

Utolineides kenneli Senz, 2001 (Senz 2001a: 42). Holotype: NHMW-EV 4140 (ZI 02).

Valencinina hubrechtii Senz, 2001 (Senz 2001a: 14). Holotype: NHMW-EV 4135 (UA 03).

Valencinura bergendali Senz, 1996 (Senz 1996b: 30). Holotype: NHMW-EV 16708/3537.

Yinia pratensis Sun and Lu, 1998 (Sun and Lu 1998: 176). Holotype: OUCQ DH005A.

Note: The generic name *Yinia* Sun and Lu, 1998 was preoccupied by *Yinia* Li, 1994; now ***Yininemertes pratensis*** (Sun and Lu, 1998) (see Sun and Lu 2008).

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Aenigmanemertes norenburgi Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 125). Holotype: WAM 21-95.

Amphiporus microocelli (Sun, 1995) (Sun 1995a: 279). Holotype: OUCQ DH101.

Note: Originally described as *Psammamphiporus microocelli* Sun, 1995, but *Psammamphiporus* Gibson, 1981 was synonymized with ***Amphiporus*** Ehrenberg, 1831 by Chernyshev (1998a: 398).

Amphiporus mortonmilleri Gibson, 2002 (Gibson 2002: 34). Holotype: NZOI H-785.

Amphiporus nadtochiai Chernyshev, 1998 (Chernyshev 1998a: 398). Holotype: ZMFEU 9/N-93.

Antarctonemertes varvarae Chernyshev, 1999 (Chernyshev 1999a: 942). Holotype: ZMFEU no. An-v 1.

Arctonemertes ussuriensis Chernyshev, 1998 (Chernyshev 1998a: 399). Holotype: ZMFEU no. 9/N-94.

Carcinonemertes caissarum Santos, Norenburg and Bueno, 2006 (Santos *et al.* 2006: 921). Holotype: MZUSP 003.

Note: The specific epithet is a noun in the genitive case (Santos *et al.* 2006: 921).

Carcinonemertes divae Santos, Norenburg and Bueno, 2006 (Santos *et al.* 2006: 917). Holotype: MZUSP 001.

Carcinonemertes sebastianensis Santos, Norenburg and Bueno, 2006 (Santos *et al.* 2006: 922). Holotype: MZUSP 005.

Correanemertes gordonii Gibson, 2002 (Gibson 2002: 42). Holotype: NZOI H-720.

Correanemertes polyophthalma Gibson and Sundberg, 2001 (Gibson and Sundberg 2001: 1266). Holotype: MTQ G20024.

Crybelonemertes arenicola Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 131). Holotype: WAM 23-95.

Note: Specific epithet originally spelled in the masculine gender, as “*arenicolus*”.

Cyanonemertes elegans Iwata, 2007 (Iwata 2007: 199). Holotype: USNM *sine numero*.

Diopsonemertes acanthocephala Kajihara, Gibson and Mawatari, 2001 (Kajihara

- et al.* 2001: 188). Holotype: ZIHU 1290.
- Eonemertes xiamenensis*** Sun, Dong and Chen, 1998 (Sun *et al.* 1998: 18). Holotype: OUCQ DH22B.
- Frontonemertes serpentina*** Iwata, 2006 (Iwata 2006: 875). Holotype: USNM 1072177.
- Furugelmima heteromusculosa*** Chernyshev, 1998 (Chernyshev 1998a: 402). Holotype: ZMFEU no. 9/N-95.
- Geonemertes philippinensis*** Gibson and Moore, 1998 (Gibson and Moore 1998: 164). Holotype: MHNG 977/675.
- Gurjanovella murmanica*** Uschakov, 1926. Lectotype: ZIRAS no. 161.
Note: Originally described as a subspecies of ***Gurjanovella littoralis*** Uschakov, 1926 by Uschakov (1926: 61); Uschakov (1928: 413) also treated it as a variety, but under Article 45.6.4 of the Code (ICZN 1999) this is also deemed a subspecies; Chernyshev (1998b: 10) subsequently redescribed it as a distinct species, designating the lectotype from among Uschakov's (1926) original material.
- Heiligonemertes cooki*** Gibson, 2002 (Gibson 2002: 68). Holotype: NZOI H-721.
- Limnemertes poyangensis*** Gibson and Wang, 2002 (Gibson and Wang 2002: 186). Holotype: IHBCAS JX 1998015a001-101.
- Malacobdella arrokeana*** Ivanov, Bigatti, Penchaszadeh and Norenburg, 2002 (Ivanov *et al.* 2002: 360). Holotype: MACN no. 34952.
- Minutanemertes schifkoi*** Senz, 1996 (Senz 1996c: 46). Holotype: NHMW-EV 3338.
- Nemertellina yamaokai*** Kajihara, Gibson and Mawatari, 2000 (Kajihara *et al.* 2000: 266). Holotype: ZIHU 1260.
- Nemertopsis bullocki*** Coe, 1940. Lectotype: SBMNH 144754.
Note: Originally described as a variety of ***Nemertopsis gracilis*** Coe, 1940 by Coe (1940: 284), and thus deemed a subspecies under Article 45.6.4 of the Code (ICZN 1999); Hochberg and Lunianski (1998: 298) designated the lectotype from Coe's (1940) original collection; Sun and Dong (1998: 272) redescribed the taxon based on Chinese material, elevating it to the species rank.
- Nemertopsis mitellicola*** Kajihara, 2007 (Kajihara 2007b: 51). Holotype: ZIHU 3204.
- Nipponnemertes fernaldi*** Iwata, 2001 (Iwata 2001: 833). Holotype: USNM 1000131.
- Nipponnemertes sanguinea*** Riser, 1998 (Riser 1998b: 288). Holotype: MNZTPT ZW1456.
- Noteonemertes novaezealandiae*** Gibson, 2002 (Gibson 2002: 48). Holotype: NZOI H-791.
- Ototyphlonemertes ani*** Chernyshev, 2007 (Chernyshev 2007: 232). Holotype: MMBI 16202.
- Ototyphlonemertes correae*** Envall, 1996 (Envall 1996: 254). Holotype: GNHM 1994-19.266.
- Ototyphlonemertes dolichobasis*** Kajihara, 2007 (Kajihara 2007c: 58). Holotype: ZIHU 3200.
- Ototyphlonemertes nikolaii*** Chernyshev, 1998 (Chernyshev 1998c: 268). Holotype: ZMFEU 9-15048N-92.
- Ototyphlonemertes valentinae*** Chernyshev, 2003 (Chernyshev 2003b: 868). Holotype: MMBI no. IX N-156.
- Ovicides julieae*** Shields, 2001 (Shields 2001: 305). Holotype: QM G218108.
- Pantinonemertes fujianensis*** Sun, 2001 (Sun 2001: 200). Holotype: OUCQ DH07.
- Paranemertes sinensis*** Sun, 1995 (Sun 1995b: 163). Holotype: OUCQ DH108.

- Parischyronemertes mathesonensis*** Gibson, 2002 (Gibson 2002: 54). Holotype: NZOI H-792.
- Poseidonemertes buergeri*** Senz, 2001 (Senz 2001a: 53). Holotype: NHMW-EV 4254 (UA 03).
- Poseidonemertes giardi*** Senz, 2001 (Senz 2001a: 59). Holotype: NHMW-EV 4232 (ZA 15).
- Poseidonemertes maslakovae*** Chernyshev, 2002 (Chernyshev 2002a: 909). Holotype: ZMFEU no. IX-18164.
- Potamostoma shizunaiense*** Kajihara, Gibson and Mawatari, 2003 (Kajihara *et al.* 2003: 493). Holotype: ZIHU 2037.
- Prosorhochmus chafarinensis*** Frutos, Montalvo and Junoy, 1998 (Frutos *et al.* 1998: 294). Holotype: MNCN 5.01/1.
- Prostoma communopore*** Senz, 1996 (Senz 1996d: 24). Holotype: NHMW-EV 3255.
- Prostoma macradenum*** Sun and Yin, 1995. Holotype: OUCQ DS001.
Note: Originally described as a subspecies, *Prostoma eilhardi macradenum*, by Sun and Yin (1995: 135); Chernyshev *et al.* (1998: 61) elevated it to the species rank.
- Prostoma ohmiense*** Chernyshev, Timoshkin and Kawakatsu, 1998 (Chernyshev *et al.* 1998: 53). Holotype: Possibly LBM 1340000037 (see Appendix).
- Pseudotetrastemma qingdaoense*** Sun, 1993 (Sun 1993: 1037). Holotype: OUCQ 910402I.
Note: Omitted in Gibson's (1995) checklist; specific epithet originally spelled in the masculine/feminine gender, as "*qingdaoensis*".
- Quoyianemertes girardi*** Senz, 2001 (Senz 2001a: 70). Holotype: NHMW-EV 4281 (ZA 03).
- Sanjuannemertes willowsi*** Iwata, 2006 (Iwata 2006: 905). Holotype: USNM 1072181.
- Satellitenemertes satellitensis*** Iwata, 2006 (Iwata 2006: 888). Holotype: USNM 1072179.
- Tetraneuronemertes lovgreni*** Sundberg, Gibson and Strand, 2007 (Sundberg *et al.* 2007: 2293–2298). Holotype: GNHM Nemertea 82.
- Tetrastemma appendiculatum*** Chernyshev, 1998 (Chernyshev 1998d: 997). Holotype: ZMFEU no. 9/N-99.
- Tetrastemma kangauzi*** Chernyshev, 2003 (Chernyshev 2003c: 19). Holotype: ZMFEU no. IX-20234.
- Tetrastemma montagui*** Senz, 2001 (Senz 2001a: 52). Holotype: NHMW-EV 4221 (UA 06).
- Tetrastemma oerstedii*** Senz, 2001 (Senz 2001a: 48). Holotype: NHMW-EV 4222 (ZA 03).
- Tetrastemma olgarum*** Chernyshev, 1998 (Chernyshev 1998d: 999). Holotype: ZMFEU no. 9/N-96.
- Tetrastemma pimaculatum*** Chernyshev, 1998 (Chernyshev 1998d: 1001). Holotype: ZMFEU no. 9/N-98.
- Tetrastemma pseudocoronatum*** Chernyshev, 1998 (Chernyshev 1998d: 1000). Holotype: ZMFEU no. 9/N-97.
- Tetrastemma tristibrunum*** Sundberg and Gibson, 1995 (Sundberg and Gibson 1995: 136). Holotype: WAM 25-95.
Note: Specific epithet originally spelled in the feminine gender, as "*tristibruna*".

- Thallassionemertes leucocephala*** Gibson and Sundberg, 2001 (Gibson and Sundberg 2001: 1262). Holotype: MTQ G20023.
- Thermanemertes valens*** Rogers, Gibson and Tunnicliffe, 1996 (Rogers *et al.* 1996: 1583). Holotype: USNM 170038.
- Typhloerstedtia anadonae*** Chernyshev, 1999. Holotype: Unspecified; location of type lot unknown.
Note: Chernyshev (1999a: 946) regarded ***Oerstedtia vittata*** Hubrecht, 1879 *sensu* Anadon and Bitar (1992) as different from ***Oerstedtia vittata*** Hubrecht, 1879 *s. str.* and included it in a new genus.
- Verrillianemertes rathkei*** Senz, 2001 (Senz 2001a: 62). Holotype: NHMW-EV 4267 (ZA 11).
- Verrillianemertes schultzei*** Senz, 2001 (Senz 2001a: 65). Holotype: NHMW-EV 4263 (UA 08).
- Vulcanonemertes rangitotoensis*** Gibson and Strand, 2002 (Gibson and Strand 2002: 3). Holotype: MNZTPT 1511.
- Zygonemertes jamsteci*** Kajihara, 2002 (Kajihara 2002: 131). Holotype: ZIHU 1928.
- Zygonemertesshintai*** Kajihara, 2002 (Kajihara 2002: 122). Holotype: ZIHU 1926.
- Zygonemertes wadjemupensis*** Gibson, 1999 (Gibson 1999: 366). Holotype: WAM 20-97.

Taxonomic changes of nemertean genera made after 1995

PALAEONEMERTEA

- Cephalotrichella*** Wijnhoff, 1913: synonymized with ***Cephalothrix*** Örsted, 1843 by Sundberg *et al.* (2003: 292).
- Procephalothrix*** Wijnhoff, 1913: synonymized with ***Cephalothrix*** Örsted, 1843 by Sundberg *et al.* (2003: 292).

PILIDIOPHORA

- Coeia*** Takakura, 1922: synonymized with ***Hubrechtella*** Bergendal, 1902 by Kajihara (2006: 27); formerly regarded as belonging to the Palaeonemertea, here transferred to the Pilidiophora.
- Hubrechtella*** Bergendal, 1902: formerly regarded as belonging to the Palaeonemertea, but transferred to the Pilidiophora by Thollessen and Norenburg (2003).
- Myoisophagos*** Riser, 1994: listed as valid in Gibson (1995: 422); a junior synonym of ***Ramphogordius*** Rathke, 1843 (Riser 1998a: 154).
- Nemertoscolex*** Greeff, 1879: omitted from Gibson's (1995) checklist; a diagnosis was given by Berg and Gibson (1996: 164).
- Polydendrorhynchus*** Yin and Zeng, 1986: synonymized with ***Dendrorhynchus*** Yin and Zeng, 1985 by Sun (2006: 962). The latter, however, was preoccupied by ***Dendrorhynchus*** Keilin, 1920 (*q.v.*) (Protozoa: Apicomplexa: Gregarineae). Here, ***Polydendrorhynchus*** is recognized as the substitute name for ***Dendrorhynchus*** Yin and Zeng, 1985, according to Article 60.2 of the Code (ICZN 1999).
- Poseidon*** Girard, 1852: listed as a junior synonym of ***Lineus*** Sowerby, 1806 (type species: *Ascaris longissima* Gunnerus, 1770) by Verrill (1892: 417); the type species, ***Poseidon colei*** Girard, 1852, was synonymized with ***Lineus ruber*** (Müller, 1774) by Bürger (1904: 101); listed as an invalid name by Gibson (1995: 487); Chernyshev (2004b) regarded ***Lineus ruber*** (Müller, 1774) and ***Lineus***

viridis (Müller, 1774) as not belonging to *Lineus*, and resurrected the generic name to accommodate *Poseidon ruber* (Müller, 1774) and *Poseidon viridis* (Müller, 1774).

Ramphogordius Rathke, 1843: mistakenly listed as an invalid name by Gibson (1995: 503); a senior synonym of *Myoisophagos* Riser, 1994 (Riser 1998a: 154).

Riserius Norenburg, 1993: listed as a genus of uncertain affiliation to higher taxon by Gibson (1995: 504). Thollessen and Norenburg's (2003) molecular phylogenetic analysis indicated that it belongs to the Pilidiophora.

Tetramys Iwata, 1957: formerly regarded as belonging to the Palaeonemertea, but here tentatively treated it as the member of the Pilidiophora, based on its similarity to *Hubrechtella*.

MONOSTILIFERA

Akrostomum Grube, 1840: listed as an invalid name by Gibson (1995: 275). The ICZN (2003: 59) ruled that the name is valid and placed it on the Official List of Generic Names in Zoology (ICZN 2007); see also *Valdivianemertes* Stiasny-Wijnhoff, 1923.

Malacobdella Blainville, 1827: formerly regarded as comprising a distinct higher taxon, the Bdellonemertea. Thollessen and Norenburg's (2003) molecular phylogenetic study indicated that this genus should be treated as a member of the Monostilifera.

Psammamphiporus Gibson, 1989: synonymized with *Amphiporus* Ehrenberg, 1831 by Chernyshev (1998a: 397–398).

Tagonemertes Corrêa, 1957: synonymized with *Amphiporus* Ehrenberg, 1831 by Chernyshev (1998a: 397–398).

Valdivianemertes Stiasny-Wijnhoff, 1923: the validity of the name was discussed by Chernyshev (1992) and Crandall (1993); listed as a valid name by Gibson (1995: 532). Crandall (1994) proposed conservation of the name against its senior synonym *Akrostomum*, but the ICZN (2003: 59) ruled that priority should be maintained and placed the name *Valdivianemertes* on the Official Index of Rejected and Invalid Generic Names in Zoology (ICZN 2007).

REPTANTIA

Coella Stiasny-Wijnhoff, 1936: a monotypic genus established by Stiasny-Wijnhoff (1936: 72) with *Coella tiurensis* Stiasny-Wijnhoff, 1936 as the type species. Härlin (1998) referred to this species as *Punnettia tiurensis* based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Coella* with *Punnettia* Stiasny-Wijnhoff, 1926.

Curranemertes Kirsteuer, 1973: a monotypic genus established by Kirsteuer (1973: 138) with *Curranemertes natans* Kirsteuer, 1973 as the type species. Härlin (1998) referred to this species as *Punnettia natans* based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Curranemertes* with *Punnettia*.

Drepanophoria Stiasny-Wijnhoff, 1936: a monotypic genus established by Stiasny-Wijnhoff (1936: 32) with *Drepanophoria pajungae* Stiasny-Wijnhoff, 1936 as the type species. Härlin (1998) referred to this species as *Drepanophorella pajungae* based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Drepanophoria* with *Drepanophorella* Stiasny-Wijnhoff, 1936.

Drepanophoresta Gibson, 1995: first proposed by Stiasny-Wijnhoff (1936: 23) to contain *Drepanophorus lifuensis* Punnett, 1900 and *Drepanophorus roseus* Punnett, 1903, without type fixation. The generic name was thus unavailable under Article 13.3 of the Code (ICZN 1999) until Gibson (1995: 357) subsequently designated *Drepanophorus roseus* as the type species. Härlin (1998) referred to the two species as ***Drepanophorella lifuensis*** and ***Drepanophorella rosea*** based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Drepanophoresta* with ***Drepanophorella***.

Drepanophoringia Stiasny-Wijnhoff, 1936: a monotypic genus established by Stiasny-Wijnhoff (1936: 37) with *Drepanophoringia waingapuensis* Stiasny-Wijnhoff, 1936 as the type species. Härlin (1998) referred to this species as ***Drepanophorella waingapuensis*** based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Drepanophoringia* with ***Drepanophorella***.

Hubrechtinemertes Stiasny-Wijnhoff, 1934: a monotypic genus established by Stiasny-Wijnhoff (1934: 168) with *Drepanophorus lankesteri* Hubrecht, 1887 as the type species. Härlin (1998) referred to this species as ***Punnettia lankesteri*** based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Hubrechtinemertes* with ***Punnettia*** Stiasny-Wijnhoff, 1926.

Urichonemertes Gibson, 1983: a monotypic genus established by Gibson (1983: 75) with *Urichonemertes pilorhynchus* Gibson, 1983 as the type species. Härlin (1998) referred to this species as ***Punnettia pilorhynchus*** based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Urichonemertes* with ***Punnettia***.

Xenonemertes Gibson, 1983: a monotypic genus established by Gibson (1983: 91) with *Xenonemertes rhamphocephalus* Gibson, 1983 as the type species. Härlin (1998) referred to this species as ***Punnettia rhamphocephalus*** based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995), essentially but not explicitly synonymizing *Xenonemertes* with ***Punnettia***.

PELAGICA

Bathynemertes Laidlaw, 1906: listed by Gibson (1995: 305) as a genus of uncertain affiliation to higher taxon; Maslakova and Norenburg (2001) regarded it as belonging to the Pelagica.

Nemertobus Chernyshev, 1992: synonymized with ***Obnemertes*** Prudhoe, 1963 by Chernyshev and Chaban (2005: 154).

Changes in validity of species names and alterations of generic affiliation made after 1995

PALAEONEMERTEA

Cephalotrichella alba Gibson and Sundberg, 1992: now ***Cephalothrix alba*** (Gibson and Sundberg, 1992) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Cephalotrichella* Wijnhoff, 1913 with ***Cephalothrix*** Örsted, 1843.

Cephalotrichella signata (Hubrecht, 1879): originally placed in the genus ***Cephalothrix***, later transferred to the genus *Cephalotrichella* by Wijnhoff (1913), which was regarded as a junior synonym of the former by Sundberg *et al.* (2003: 292); now again ***Cephalothrix signata*** Hubrecht, 1879.

- Procephalothrix adriatica* Senz, 1993: now ***Cephalothrix adriatica*** (Senz, 1993) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* Wijnhoff, 1913 with ***Cephalothrix***.
- Procephalothrix aliena* (Punnett, 1903): originally placed in the genus ***Cephalothrix***, later transferred by Wijnhoff (1913) to the genus *Procephalothrix*, which Sundberg *et al.* (2003: 292) regarded as a junior synonym of ***Cephalothrix***; now again ***Cephalothrix aliena*** Punnett, 1903.
- Procephalothrix arenaria* Gibson, 1990: the specific epithet was originally spelled in the masculine gender as “*arenarius*”; now ***Cephalothrix hongkongiensis*** Sundberg, Gibson and Olsson, 2003, a replacement name proposed to avoid secondary homonymy with ***Cephalothrix arenaria*** Hylbom, 1957 when *Procephalothrix* was synonymized with ***Cephalothrix*** by Sundberg *et al.* (2003: 292).
- Procephalothrix fasciculus* Iwata, 1952: now ***Cephalothrix fasciculus*** (Iwata, 1952) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***. The specific epithet is a Latin diminutive noun of the masculine gender, and thus should not be spelled as “*fascicula*” (Kajihara 2007d: 294).
- Procephalothrix filiformis* (Johnston, 1828): originally described as *Planaria filiformis* Johnston, 1828, transferred to ***Cephalothrix*** by McIntosh (1867: 92), then to *Procephalothrix* by Wijnhoff (1913: 295); now ***Cephalothrix filiformis*** (Johnston, 1828) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.
- Procephalothrix hermaphroditica* Gibson, Sánchez and Méndez, 1990: the specific epithet was originally spelled in the masculine gender as “*hermaphroditicus*”; now ***Cephalothrix hermaphroditica*** (Gibson, Sánchez and Méndez, 1990) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix*** 1843.
- Procephalothrix kiliensis* Friedrich, 1935: now ***Cephalothrix kiliensis*** (Friedrich, 1935) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.
- Procephalothrix major* (Coe, 1930): originally described in the genus ***Cephalothrix***, later transferred to *Procephalothrix* by Coe (1940: 257); now again ***Cephalothrix major*** Coe, 1930 as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.
- Procephalothrix mokievskii* Korotkevich, 1982: now ***Cephalothrix mokievskii*** (Korotkevich, 1982) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.
- Procephalothrix oestrymnica* Junoy and Gibson, 1991: the specific epithet was originally spelled in the masculine gender as “*oestrymnicus*”; now ***Cephalothrix oestrymnica*** (Junoy and Gibson, 1991) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.
- Procephalothrix orientalis* Gibson, 1990: now ***Cephalothrix orientalis*** (Gibson, 1990) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.
- Procephalothrix quequenensis* Moretto, 1974: now ***Cephalothrix quequenensis*** (Moretto, 1974) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.

Procephalothrix simula Iwata, 1952: the specific epithet was originally spelled in the masculine gender as “simulus”; now ***Cephalothrix simula*** (Iwata, 1952) as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.

Procephalothrix spiralis (Coe, 1930): originally placed in the genus ***Cephalothrix***, transferred to *Procephalothrix* by Coe (1940: 258); now again ***Cephalothrix spiralis*** Coe, 1930 as the result of Sundberg *et al.*'s (2003: 292) synonymization of *Procephalothrix* with ***Cephalothrix***.

Tubulanus theeli (Bergendal, 1902): designated as the type species of ***Protubulanus*** Chernyshev, 1995 (Chernyshev 1995: 11), so now ***Protubulanus theeli*** (Bergendal, 1902).

PILIDIOPHORA

Baseodiscus curtus (Hubrecht, 1879): synonymized with ***Baseodiscus delineatus*** (Delle Chiaje, 1825) by Gibson (1979), but Crandall *et al.* (2002) noted these two forms should be retained as separate species. Hubrecht (1879: 209) mentioned that the two species can be distinguished by the presence and absence, respectively, of longitudinal stripes on the ventral surface of the body.

Baseodiscus takakurai Gibson, 1995: Takakura (1898) recorded *Eupolia* sp., commenting that it resembled *Eupolia antillensis* Bürger, 1895. Gibson (1995: 305) misinterpreted this as Takakura's (1898) having established a new taxon with the specific epithet *antillensis*, and superfluously proposed the new replacement name ***Baseodiscus takakurai*** Gibson, 1995 (Kajihara 2007d: 303).

Borlasia bilineata Schmarda, 1859: uncertainly synonymized with ***Lineus bilineatus*** (Renier, 1804) by Bürger (1904: 94); Gibson (1995: 306) doubted the conspecificity of these species, but regarded *Borlasia bilineata* as invalid. Later, Senz (1997a: 430) redescribed Schmarda's (1859) type material (syntypes: NHMW-EV 52000/3581 and NHMW-EV 3582) and transferred the species to the genus ***Baseodiscus*** Diesing, 1850; now ***Baseodiscus bilineatus*** (Schmarda, 1859).

Borlasia trilineata Schmarda, 1859: listed by Bürger (1904: 126) as a dubious species, regarded as an invalid name by Gibson (1995: 312), but Senz (1996e: 32) redescribed the taxon using Schmarda's (1859) type material (holotype: NHMW-EV 5215/3337) and transferred it to the genus ***Lineopsella*** Friedrich, 1970; now ***Lineopsella trilineata*** (Schmarda, 1859).

Cerebratulus knerii (Diesing, 1850): originally described as *Meckelia knerii*, later transferred to ***Cerebratulus*** by Brüger (1904: 123); although listed as a valid name by Gibson (1995: 336), it had been synonymized by Senz (1994: 242) with ***Notospermus geniculatus*** based upon examination of specimens including a topotype of *C. knerii* identified by Diesing (NHMW EV 3321); now ***Notospermus geniculatus*** (Delle Chiaje, 1828).

Cerebratulus kowalewskii Timofeev, 1913: herein regarded as available and valid, although listed as an unavailable name by Gibson (1995: 336). Gibson (1995) was evidently unaware of Timofeev's (1913: 214) description and thus erroneously attributed the authorship to Antipa (1941) while declaring it a *nomen nudum* therein. The type material is deposited in ZIRAS (AVC, pers. obs.).

Coeia ijimai Takakura, 1922: redescribed as ***Hubrechtella ijimai*** (Takakura, 1922) by Kajihara (2006: 28).

Dendrorhynchus sinensis Yin and Zeng, 1985: synonymized with ***Dendrorhynchus***

zhanjiangensis Yin and Zeng, 1984 along with *Polydendrorhynchus papillaris* Yin and Zeng, 1986 by Sun (2006: 944) based on comparison of the holotypes (OUCQ Zhanjiang-8304 for *D. sinensis*, OUCQ Zhanjiang-8403 for *D. zhanjiangensis*, and OUCQ Zhanjiang-8409 for *P. papillaris*). However, because *Dendrorhynchus* Yin and Zeng, 1985 is preoccupied by *Dendrorhynchus* Keilin, 1920 (*q.v.*) (Protozoa: Apicomplexa: Gregarinaea), these species should now be referred to as ***Polydendrorhynchus zhanjiangensis*** (Yin and Zeng, 1984) **comb. nov.** according to Article 60.2 of the Code (ICZN 1999). See also ***Polydendrorhynchus***.

Lineus albobittatus (Stimpson, 1855): listed as an invalid name by Gibson (1995: 391); originally described from Okinawa, Japan, as *Meckelia albobittata*, later synonymized with ***Lineus tricuspidatus*** (Quoy and Gaimard, 1833) by Gibson (1981: 206), who was, however, quite aware that the color pattern of the Japanese form is different from the records of other authors and “appears to be of a different species” (Gibson, 1981: 207). Kajihara (2007d: 299) regarded the species as valid.

Lineus arenicolus Senz, 1993: listed as an invalid name by Gibson (1995: 392) for the reason of homonymy with ***Lineus arenicolus*** (Verrill, 1873). Senz (1995: 55) replaced the name with ***Lineus rovinjensis*** Senz, 1995.

Lineus gurjanovae Korotkevich, 1977: listed as a valid species in Gibson (1995: 397), but synonymized with ***Poseidon viridis*** (Müller, 1774) by Chernyshev (2004b: 790).

Lineus longifissus (Hubrecht, 1887): listed as a valid species in Gibson (1995: 399). It was originally described as *Cerebratulus longifissus*, which was later designated as the type species of the genus ***Heteronemertes*** Chernyshev, 1995 (Chernyshev 1995: 15); now ***Heteronemertes longifissa*** (Hubrecht, 1887).

Lineus ruber (Müller, 1774): listed as a valid name by Gibson (1995: 401); it is controversial whether its original name was *Ascaris rubra* Müller, 1774 or *Fasciola rubra* Müller, 1774 (Gibson 1995: 374); transferred to ***Poseidon*** Girard, 1852 by Chernyshev (2004b); now ***Poseidon ruber*** (Müller, 1774).

Lineus schmardai Bürger, 1904: listed as a valid name by Gibson (1995: 402), now ***Myorhynchonemertes striata*** (Schmarda, 1859); see *Meckelia striata* Schmarda, 1859.

Lineus uschakovi Korotkevich, 1977: listed as a valid species by Gibson (1995: 403), but synonymized with ***Poseidon viridis*** (Müller, 1774) by Chernyshev (2004b: 790).

Lineus viridis (Müller, 1774): originally described as *Fasciola viridis* Müller, 1774; transferred to ***Lineus*** Sowerby, 1806 (type species: *Ascaris longissima* Gunnerus, 1770) by Verrill (1879: 185); listed as a valid name by Gibson (1995: 404); transferred to ***Poseidon*** Girard, 1852 by Chernyshev (2004b); now ***Poseidon viridis*** (Müller, 1774).

Meckelia striata Schmarda, 1859: listed as an invalid name by Gibson (1995: 412), having previously, on unclear grounds (possibly to avoid secondary homonymy with *Lineus striatus* Griffin, 1898), been renamed as *Lineus schmardai* Bürger, 1904 (Bürger 1904: 93). Senz (1997a: 483) redescribed Schmarda's (1859) type material (syntypes: NHMW-EV 5212/3574, 3575, and 5211/3588) and transferred this species to a newly established genus as ***Myorhynchonemertes striata*** (Schmarda, 1859).

- Micrura aurantiaca* (Grube, 1855): originally described as *Meckelia aurantiaca* from Villefranche-sur-Mer, France, by Grube (1855: 148), later transferred to *Micrura* by McIntosh (1873–1874: 201), and listed by Gibson (1995: 415) as a valid name. Later, Cantell (1996: 116) redescribed the species based on material collected from Banyuls-sur-Mer, France, and transferred it to *Leucocephalonemertes* Cantel, 1996; now *Leucocephalonemertes aurantiaca* (Grube, 1855).
- Micrura leidy* (Verrill, 1892): listed as a valid name by Gibson (1995: 418). The species was first described by Leidy (1851: 244) as *Meckelia rosea*. Later Verrill (1892: 436) described *Cerebratulus leidy* and regarded it as conspecific with Leidy's *Meckelia rosea*. Coe (1943: 250) transferred the species to the genus *Micrura* but erroneously used the specific epithet as *leidy*. The species is now classified as *Fragilonemertes rosea* (Leidy, 1851) (Riser 1998a: 150).
- Micrura uchidai* Yamaoka, 1940: listed as a valid name by Gibson (1995: 420), later designated as the type species of *Nipponomicrura* by Chernyshev (1995: 15); now *Nipponomicrura uchidai* (Yamaoka, 1940).
- Myoisophagos lacteus* (Rathke, 1843): originally described by Rathke (1843: 238) as the sole member of the genus *Ramphogordius* Rathke, 1843. Riser (1994: 553) redescribed the species as *Myoisophagos lacteus*, establishing a superfluous genus *Myoisophagos* Riser, 1994. Gibson (1995: 423) listed *Myoisophagos lacteus* as a valid name, but Riser (1998a: 154) acknowledged that *Myoisophagos* is a junior synonym of *Ramphogordius* Rathke, 1843. *Ramphogordius lacteus* Rathke, 1843 is the valid name for this taxon.
- Myoisophagos pseudolacteus* (Gontcharoff, 1951): established by Gontcharoff (1951: 157) as *Lineus pseudolacteus*; redescribed by Riser (1994: 552) as *Myoisophagos pseudolacteus*. Gibson (1995: 423) listed *Myoisophagos pseudolacteus* as a valid name, but Riser (1998a: 154) acknowledged that *Myoisophagos* is a junior synonym of *Ramphogordius*. *Ramphogordius pseudolacteus* (Gontcharoff, 1951) is the valid name for this taxon.
- Myoisophagos sanguineus* (Rathke, 1799): established by Rathke (1799: 83) as *Planaria sanguinea*; redescribed by Riser (1994: 549) as *Myoisophagos sanguineus*. Gibson (1995: 423) listed *Myoisophagos sanguineus* as a valid name, but Riser (1998a: 154) acknowledged that *Myoisophagos* is a junior synonym of *Ramphogordius*. *Ramphogordius sanguineus* (Rathke, 1799) is the valid name for this taxon.
- Nemertoscolex parasiticus* Greeff, 1879: originally reported as an endoparasite of the echiuran *Echiurus pallasii* (now *Echiurus echiurus* Pallas, 1766) by Greeff (1879: 130); omitted from Gibson's (1995) checklist; redescribed by Berg and Gibson (1996: 164) based on newly obtained material from Sweden in 1964, one of these specimens being designated as the neotype, SMNH 4648.
- Polydendrorhynchus papillaris* Yin and Zeng, 1986: synonymized with *Dendrorhynchus zhanjiangensis* Yin and Zeng, 1984 along with *Dendrorhynchus sinensis* Yin and Zeng, 1985 by Sun (2006: 944) based on comparison of the holotypes (OUCQ Zhanjiang-8304 for *D. sinensis*, OUCQ Zhanjiang-8403 for *D. zhanjiangensis*, and OUCQ Zhanjiang-8409 for *P. papillaris*). However, because *Dendrorhynchus* Yin and Zeng, 1985 is preoccupied by *Dendrorhynchus* Keilin, 1920 (*q.v.*) (Protozoa: Apicomplexa: Gregarinaea), the species should now be referred to as *Polydendrorhynchus zhanjiangensis* (Yin and Zeng, 1984) **comb. nov.**,

according to Article 60.2 of the Code (ICZN 1999). See also *Polydendrorhynchus*.
MONOSTILIFERA

Amphiporus heterophthalmus (Schmarda, 1859): listed as a valid name by Gibson (1995: 285). Later Senz (1997b: 193) redescribed Schmarda's (1859) type material (syntypes: NHMW-EV 2562, 5179/3559, 3560, 3561, and 16710) and transferred this species to the genus *Ischyronemertes* Gibson, 1990; now *Ischyronemertes heterophthalma* (Schmarda, 1859).

Amphiporus nelsoni Sánchez, 1973: listed as a valid name by Gibson (1995: 290), re-described by Maslakova *et al.* (2005: 484) and transferred to *Prosorhochmus* Keferstein, 1862; now *Prosorhochmus nelsoni* (Sánchez, 1973).

Amphiporus rubellus Coe, 1905: listed as a valid name by Gibson (1995: 293). Gibson and Crandall (1989: 467) mentioned the taxon as a probable cratenemeritid. Crandall and Norenburg (1999) listed the species as a member of the genus *Nipponnemertes* based on observation of Coe's (1905) type material in the Peabody Museum of Natural History at Yale University (FBC, pers. obs.); now *Nipponnemertes rubella* (Coe, 1905).

Antarctonemertes quasioculata (Korotkevich, 1977): listed as a valid name by Gibson (1995: 297), later synonymized with *Antarctonemertes papilliformis* (Korotkevich, 1977) by Chernyshev (1999a: 940).

Nipponnemertes scoresbyi (Wheeler, 1934): originally described as *Amphiporus scoresbyi*, transferred to *Nipponnemertes* by Berg (1985: 244), listed as a valid name by Gibson (1995: 442), later redescribed by Crandall and Gibson (1998: 174) based upon Wheeler's (1934) type material as *Achoronemertes scoresbyi* (Wheeler, 1934).

Oerstedtia nigrimaculata (Gibson, 1988): originally described as *Paroerstedtia nigrimaculata* by Gibson (1988: 734); listed as a valid species in Gibson (1995: 445) according to Envall and Sundberg's (1993) synonymization of the genus *Paroerstedtia* Friedrich, 1955 with *Oerstedtia* Quatrefages, 1846. Later, however, Sundberg and Andersson (1995: 489) concluded that *Oerstedtia nigrimaculata* (Gibson, 1988) is a junior synonym of *Oerstedtia dorsalis* (Abildgaard, 1806) based on a random amplified polymorphic DNA analysis.

Paranemertes biocellata Coe, 1944: the specific epithet was originally spelled in the masculine gender as "*biocellatus*"; designated as the type species of *Kirsteueriella* by Chernyshev (2002a: 915); now *Kirsteueriella biocellata* (Coe, 1944).

Psammamphiporus elongatus (Stephenson, 1911): now *Amphiporus elongatus* Stephenson, 1911, as a result of Chernyshev's (1998a: 397–398) synonymization of *Psammamphiporus* Gibson, 1989 with *Amphiporus* Ehrenberg, 1831.

Psammamphiporus microocelli Sun, 1995: now *Amphiporus microocelli* (Sun, 1995), as a result of Chernyshev's (1998a: 397–398) synonymization of *Psammamphiporus* with *Amphiporus*.

Tagonemertes tuba Corrêa, 1957: now *Amphiporus tuba* (Corrêa, 1957), as a result of Chernyshev's (1998a: 397–398) synonymization of *Tagonemertes* Corrêa, 1957 with *Amphiporus*.

Tetrastemma bicolor Coe, 1901: transferred to *Quasitetrastemma* by Chernyshev (2004a: 154); now *Quasitetrastemma bicolor* (Coe, 1901).

Tetrastemma commensalis (Kyao, 1954): the original description of the species contained two different spellings, "*commensalus*" (Kyao 1954: 135, 138) and "*com-*

commensalis” (Kyao 1954: 139), in combination with the generic name *Amphiporus*. The species was transferred from *Amphiporus* to *Tetrastemma* by Chernyshev (1991: 34), then further to *Asteronemertes* by Chernyshev (1998d: 995). The species name has been cited variously as “*Tetrastemma* (= *Amphiporus*) *commensalus*” and “*Tetrastemma commensalis*” (Chernyshev 1991; the two spellings appearing once and several times, respectively), “*Tetrastemma commensalis* (Kayo [sic], 1954)” (Senz 1997c), “*T. commensalis*” and “*Amphiporus commensalis*” (Chernyshev 1998d), “*Asteronemertes commensalis* (Kyao, 1954)” (Crandall *et al.* 2002), and “*A. [=Asteronemertes] commensalus*” (Jensen and Sadeghian 2005). Gibson (1995) was clearly aware that the specific epithet was spelled in two different ways in Kyao’s original article (Gibson 1995: 281) and listed *Amphiporus commensalus* Kyao, 1954 as having precedence (Gibson 1995: 280). Taken alone, this nomenclatural act could evidently be regarded as the selection of the correct original spelling by the First Reviser, as stipulated in Article 24.2.3 of the Code (ICZN 1999); confusingly, however, on other pages in the same paper Gibson (1995: 281, 513) used *Tetrastemma commensalis* as the valid name. Consequently, Gibson’s (1995) action as a whole appears rather indecisive. *Amphiporus commensalis* Kyao, 1954 is here selected as the correct original spelling. The specific epithet is an adjective. Thus the valid name for this taxon is *Asteronemertes commensalis* (Kyao, 1954).

Tetrastemma dilutebasisae Kulikova, 1987: transferred to *Antarctonemertes* Friedrich, 1955 by Chernyshev (1999a: 941); now *Antarctonemertes dilutebasisae* (Kulikova, 1987).

Tetrastemma kirsteueri Senz, 1995: Senz (1995: 55) replaced the name *Tetrastemma cruciatus* Senz, 1993 to avoid homonymy with *Tetrastemma cruciatum* Bürger, 1895.

Tetrastemma nigrifrons Coe, 1904: designated as the type species of *Quasitetrastemma* Chernyshev, 2004 by Chernyshev (2004a: 154); now *Quasitetrastemma nigrifrons* (Coe, 1904).

Tetrastemma phyllospadicola Stricker, 1985: transferred to *Antarctonemertes* Friedrich, 1955 by Chernyshev (1999a: 940); now *Antarctonemertes phyllospadicola* (Stricker, 1985).

Tetrastemma kulikovae Gibson, 1995: Gibson (1995: 527) regarded *Tetrastemma viridis* Kulikova, 1989 as secondarily homonymous with Örsted’s (1844) usage of *Tetrastemma viridis* (= *Planaria viridis* Müller, 1774) and proposed the new replacement name *Tetrastemma kulikovae* Gibson, 1995. Chernyshev (1998d) argued that *Tetrastemma viridis* sensu Örsted (1844) had long since been transferred to the genus *Lineus*, and that there was no homonymy in 1995; under Article 59.4 of the Code (ICZN 1999), the specific name *viridis* Kulikova was thus reinstated. Later, Chernyshev (2004a) redescribed *Tetrastemma viridis* Kulikova, 1989 and transferred it to the genus *Prototetrastemma* Chernyshev, 2004; its current valid name is *Prototetrastemma viride* (Kulikova, 1989).

Tetrastemma stimpsoni Chernyshev, 1992: Yamaoka (1940: 251) reported a taxon under the name “*Prostoma stigmatum* (Stimpson, 1857)”; Chernyshev (1992: 135) regarded Yamaoka’s (1940) taxon as different from *Tetrastemma stigmatum* Stimpson, 1857, and established a new name *Tetrastemma stimpsoni* for the former; later, Chernyshev (2004a: 154) erected a new genus *Quasite-*

trastemma and transferred *Tetrastemma stimpsoni* to it, erroneously under the name “*Quasitetrastemma stigmatum* (Yamaoka, 1940)””; Kajihara (2007d: 312) argued that the species should correctly be referred to as *Quasitetrastemma stimpsoni* (Chernyshev, 1992).

Tetrastemma tridentatum Korotkevich, 1977: the specific epithet was originally spelled in the feminine gender, as “*tridentata*”. It was listed as a valid name by Gibson (1995: 525), but Chernyshev (1998d) regarded it as a *nomen dubium*.

Valdivianemertes stannii (Grube, 1840): now *Akrostomum stannii* Grube, 1840 as the result of ICZN's (2003: 59) ruling on the priority of *Akrostomum* Grube, 1840 over its junior synonym *Valdivianemertes* Stiasny-Wijnhoff, 1923. See also *Akrostomum*.

Valdivianemertes valdiviae (Bürger, 1909): listed as a valid name in Gibson (1995); now *Akrostomum valdiviae* (Bürger, 1909) as mentioned above.

REPTANTIA

Amphiporus parmiornatus Iwata, 1957: Iwata (1998: 200) redescribed the type material and transferred the species to *Kameginemertes* Iwata, 1998; now *Kameginemertes parmiornata* (Iwata, 1957).

Coella tiurensis Stiasny-Wijnhoff, 1936: Härlin (1998) referred to this species as *Drepanophorella tiurensis* based on a cladistic analysis of morphological characters by Härlin and Sundberg (1995); now *Drepanophorella tiurensis* (Stiasny-Wijnhoff, 1936).

Curranemertes natans Kirsteuer, 1973: Härlin (1998) referred to this species as *Punnettia natans* based on the analysis mentioned above; now *Punnettia natans* (Kirsteuer, 1973).

Drepanophorella lifuensis (Punnett, 1900): originally described by Punnett (1900: 573) as *Drepanophorus lifuensis*, subsequently redescribed as *Drepanophorella lifuensis* by Stiasny-Wijnhoff (1936: 27). Härlin (1998) referred to this species as *Drepanophorella lifuensis* based on the analysis mentioned above; now *Drepanophorella lifuensis* (Punnett, 1900).

Drepanophorella rosea (Punnett, 1903): originally described by Punnett (1903: 112) as *Drepanophorus roseus*, subsequently redescribed as *Drepanophorella rosea* by Stiasny-Wijnhoff (1936: 23). Härlin (1998) referred to this species as *Drepanophorella rosea* based on the analysis mentioned above; now *Drepanophorella rosea* (Punnett, 1903).

Drepanophoria pajungae Stiasny-Wijnhoff, 1936: Härlin (1998) referred to this species as *Drepanophorella pajungae* based on the analysis mentioned above; now *Drepanophorella pajungae* (Stiasny-Wijnhoff, 1936).

Drepanophoringia wangipauensis Stiasny-Wijnhoff, 1936: Härlin (1998) referred to this species as *Drepanophorella wangipauensis* based on the analysis mentioned above; now *Drepanophorella wangipauensis* (Stiasny-Wijnhoff, 1936).

Hubrechttonemertes lankesteri (Hubrecht, 1887): Härlin (1998) referred to this species as *Punnettia lankesteri* based on the analysis mentioned above; now *Punnettia lankesteri* (Hubrecht, 1887).

Urichonemertes pilorhynchus Gibson, 1983: Härlin (1998) referred to this species as *Punnettia pilorhynchus* based on the analysis mentioned above; now *Punnettia pilorhynchus* (Gibson, 1983); because Gibson (1983: 75) did not indicate whether the specific epithet is a noun or an adjective, it should be treated as a noun in apposition to the generic name, according to Article 31.2.2 of the Code

(ICZN 1999).

Xenonemertes rhamphocephalus Gibson, 1983: Härlin (1998) referred to this species as ***Punnettia rhamphocephalus*** based on the analysis mentioned above; now ***Punnettia rhamphocephalus*** (Gibson, 1983); because Gibson (1983: 91) did not indicate whether the specific epithet is a noun or an adjective, it should be treated as a noun in apposition to the generic name, according to Article 31.2.2 of the Code (ICZN 1999).

PELAGICA

Nectonemertes compacta Korotkevich, 1964: transferred to ***Chuniella*** Brinkman, 1917 by Chernyshev and Chaban (2005: 152); now ***Chuniella compacta*** (Korotkevich, 1964).

Pelagonemertes parvula Korotkevich, 1964: transferred to ***Balaenanemertes*** Bürger, 1909 by Chernyshev and Chaban (2005: 154); now ***Balaenanemertes parvula*** (Korotkevich, 1964).

Unavailable genus-group names

The following names proposed by Härlin (1998) and each used by him as a part of a binomen, as if representing a genus name, cannot be considered generic names in terms of the Code (ICZN 1999): *Bergia*, *Crandallia*, *Fumionemertes*, *Gerardanemertes*, *Gibsonnemertes*, and *Wijnhoffia*. These were defined in terms of clade boundaries, not character-based diagnoses, so they do not meet Article 13.1.1 of the Code (ICZN 1999) and are unavailable names. In addition, *Bergia* is preoccupied by *Bergia* Duchassaing and Michelotti, 1860 (*q.v.*) (Cnidaria: Anthozoa). We consider, however, that the other nomenclatural acts at the genus level and the new combinations of available generic and specific names made by Härlin (1998) are valid. On the other hand, the nomenclatural acts taken by Härlin and Härlin (2001) are unavailable because their paper did not employ binominal nomenclature (Article 5.1 of the Code: ICZN 1999) and thus failed to meet the criteria of Article 11.4 of the Code (ICZN 1999).

Korotneff (1901: 309–310) reported a worm species from Olkhon Island in Lake Baikal; the worms reached 10–15 mm in length and were light yellow in color. They had neither cerebral organs nor eyes, but did have a mouth opening immediately behind the brain and a proboscis pore at the tip of the head. The proboscis possessed a stylet shaped like a Turkish saber, without accessory stylets or accessory stylet pouches. The worms were probably viviparous. Korotneff (1901) considered them to be nemerteans, although they probably represent some form of turbellarian (Dr Oleg Timoshkin, pers. comm.). To refer to this worm, Korotneff (1901: 310) used a name *Baicalonemertes* that is not listed in Gibson's (1995) checklist. We regard this name as unavailable, since it was not combined with any specific name and thus does not satisfy Article 12.2.5 of the Code (ICZN 1999). Korotneff (1901) himself appears to have had no intention of using it as a scientific name, because it is printed in roman type within double quotation marks, as opposed to italic type which he consistently used throughout the rest of the article for scientific names.

As was discussed by Chernyshev (1998a, c), the two subgeneric names *Intestionemertes* and *Otohelicophora* proposed by Friedrich (1957) and Envall (1996), respectively, are unavailable due to the lack of type fixation in the original publication [Article 13.3 of the Code (ICZN 1999)]. To our knowledge, no subsequent designation has been made, which would have made these names available under other

authorship.

Unavailable species name

Korotkevich (1982: 42) used a name *Carinina chupensis* [not listed in Gibson's (1995) checklist] for what she identified as a new species. She did not supply a description of the species, and thus this name is a *nomen nudum*.

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Appendix: Holotype of *Prostoma ohmiense*

The holotype of *Prostoma ohmiense* Chernyshev, Timoshkin and Kawakatsu, 1998 is possibly LBM 1340000037. Chernyshev *et al.* (1998) identified the holotype by the numbers TS No. 4 and KSL No. 2260. It is uncertain whether LBM 1340000037 is truly the holotype. Among four slides that were delivered by O. A. Timoshkin to the Lake Biwa Museum for deposition in 1998, a slide marked by Chernyshev as holotype with a registration number is not No. 2260, but No. 2259 b-1, and none was labeled as No. 2260. Furthermore, according to the description the holotype is supposed to consist of sagittal sections of the anterior part of the body and transverse sections of the remainder, but No. 2259 b-1 has sections in only one plane. Efforts in 2003 to resolve this matter among the authors of Chernyshev *et al.* (1998) failed. In correspondence with M. J. Grygier at the Lake Biwa Museum, Timoshkin has been able to cite his original collection records in detail, but while Chernyshev was confident that LBM 1340000037 is indeed No. 2260 and the real holotype, Kawakatsu disagreed, considering this slide to be part of Paratype No. 2. Earlier, however, in a letter of 1 June 1998 to Timoshkin and Chernyshev, Kawakatsu had referred to Timoshkin's specimen No. 4 from off Shin-Asahi-chô in Lake Biwa, i.e., the specimen named as holotype in the published paper, as "KSL No. 2259-b; transverse sections". Perhaps the true holotype (or part of it) remains in Russia or has been lost, but in light of this letter, it seems more likely that LBM 1340000037 is the actual intended holotype but confusion arose about slide numbers and planes of sectioning during the production of the published description. Timoshkin's notes state that the specimen collected from off Shin-Asahi-chô was very bent, and the specimen on the slide is indeed bent in three places, with four cuts of different parts of the body being visible in many sections.

References

- Anadon, N. and Bitar, G. 1992. On the anatomy of *Oerstedia vittata* Hubrecht, 1879 (Nemertea, Enopla, Monostiliferoidea) from the Moroccan coasts. *Bulletin de la Société Zoologique de France* 117: 383–391.
- Antipa, G. 1941. Marea Neagră. Vol. I. Oceanografia, Bionomia și Biologia Generală a Mării Negre. Publicațiunile Fondului Vasile Adamachi 10: 1–313.
- Barry, R. K. (Ed.) 1997. *ALA-LC Romanization Tables: Transliteration Schemes for Non-Roman Scripts, Approved by the Library of Congress and the American Library Association*. Cataloging Distribution Service, Library of Congress, Washington, D.C., 239 pp.
- Berg, G. 1985. Studies on *Nipponnemertes* Friedrich (Nemertini, Hoplonemertini). II. Taxonomy of *Nipponnemertes pulcher* (Johnston) and some other species. *Zoologica Scripta* 14: 239–246.
- Berg, G. and Gibson, R. 1996. A redescription of *Nemertoscolex parasiticus* Greeff, 1879, an apparently endoparasitic heteronemertean from the coelomic fluid of the echiuroid *Echiurus echiurus* (Pallas). *Journal of Natural History* 30: 163–173.
- Bürger, O. 1904. Nemertini. *Das Tierreich* 20: 1–151.
- Cantell, C.-E. 1996. Redescription of *Leucocephalonemertes aurantiaca* (Grube, 1855) (Nemertini) n. gen. from the Mediterranean. *Ophelia* 45: 115–125.
- Cantell, C.-E. 1998. The anatomy and taxonomy of *Amorphonemertes kubergensis* gen. et sp. nov. (Nemertini) from the Tromsø area (Norway). *Sarsia* 83: 293–300.
- Cantell, C.-E. 2001. On the anatomy and taxonomy of *Tubulanus lutescens* n. sp. (Nemertini) from the west coast of Sweden. *Ophelia* 54: 213–221.
- Cantell, C.-E. 2005. On the anatomy and taxonomy of *Oxypolella* (Nemertini) and further notes on *Oxypolella bergendali* Cantell, 1975. *Journal of Natural History* 39: 123–132.
- Chernyshev, A. V. 1991. *Tetrastemma commensalis* and *Asteronemertes gibsoni* gen. et sp. n. (Hoplonemertini, Tetrastemmidae) commensals of starfish. *Zoologicheskii Zhurnal* 70: 34–39. [In Russian with English abstract]
- Chernyshev, A. V. 1992. On the names of some nemertines. *Zoologicheskii Zhurnal* 71: 134–136. [In Russian with English abstract]
- Chernyshev, A. V. 1995. On the higher taxa of the phylum Nemertea with the taxonomic review of the subclass Anopla. *Zoologicheskii Zhurnal* 74: 7–18. [In Russian with English abstract]
- Chernyshev, A. V. 1998a. New monostiliferous nemerteans (Enopla, Monostilifera) from the Sea of Japan. *Zoologicheskii Zhurnal* 77: 397–403. [In Russian with English abstract]
- Chernyshev, A. V. 1998b. On the genus *Gurjanovella* Uschakov, 1926 (Nemertea: Enopla). *Zoosystematica Rossica* 7: 9–11.
- Chernyshev, A. V. 1998c. New data on interstitial nemerteans of the family Ototyphlonemertidae (Enopla, Monostilifera) from the Sea of Japan. *Zoologicheskii Zhurnal* 77: 266–269. [In Russian with English abstract]
- Chernyshev, A. V. 1998d. Nemerteans of the genus *Tetrastemma* (Enopla, Monostilifera) from the Far East seas of Russia. *Zoologicheskii Zhurnal* 77: 995–1002. [In Russian with English abstract]
- Chernyshev, A. V. 1999a. Nemerteans of the genus *Antarctonemertes* (Enopla, Monostilifera). *Zoologicheskii Zhurnal* 78: 939–948. [In Russian with English abstract]
- Chernyshev, A. V. 1999b. Nemertines of the family Carinomidae (Nemertea, Anopla). 1. Description of *Carinoma uschakovi* sp. n. and *Statolitonemertes sachalinica* Korotkevitch. *Zoologicheskii Zhurnal* 78: 1275–1283. [In Russian with English abstract]
- Chernyshev, A. V. 2002a. Description of a new species of the genus *Poseidonemertes* (Ne-

- merteae, Monostilifera) with establishment of the family Poseidonemertidae. Zoologicheskii Zhurnal 81: 909–916. [In Russian with English abstract]
- Chernyshev, A. V. 2002b. A new nemertean, *Callinera zhirmunskyi* sp. n., from the Pacific coast of Canada with a special reference to Callineridae taxonomy. Biologiya Moria 28: 143–146. [English translation available in Russian Journal of Marine Biology 28: 132–135.]
- Chernyshev, A. V. 2003a. A new species of the genus *Hubrechtella* (Nemertea, Anopla) from the Sea of Japan and establishment of the family Hubrechtellidae. Biologiya Moria 29: 368–370. [In Russian with English abstract]
- Chernyshev, A. V. 2003b. *Ototyphlonemertes valentinae* sp. n. (Enopla, Ototyphlonemertidae) is an interstitial nemertean from the Sea of Japan. Zoologicheskii Zhurnal 82: 868–871. [In Russian with English abstract]
- Chernyshev, A. V. 2003c. A new species of *Tetrastemma* from the Sea of Japan and redescription of *Tetrastemma laminariae* Uschakov, 1928 (Nemertea: Tetrastemmatidae). Zoosystematica Rossica 12: 19–22.
- Chernyshev, A. V. 2004a. Two new genera of nemertean worms of the family Tetrastemmatidae (Nemertea: Monostilifera). Zoosystematica Rossica 12: 151–156.
- Chernyshev, A. V. 2004b. Problems of taxonomy of the “*Lineus ruber*” heteronemertean complex (Nemertea, Anopla). Zoologicheskii Zhurnal 83: 788–794. [In Russian with English abstract]
- Chernyshev, A. V. 2007. Nemerteans of the genus *Ototyphlonemertes* (Enopla: Ototyphlonemertidae) from Van Phong Bay (southern Vietnam). Biologiya Moria 33: 232–235 [In Russian with English abstract]
- Chernyshev, A. V. and Chaban, E. M. 2005. Types of the pelagic nemerteans in the Zoological Institute, St. Petersburg (Nemertea: Enopla). Zoosystematica Rossica 13: 151–156.
- Chernyshev, A. V., Timoshkin, O. A. and Kawakatsu, M. 1998. *Prostoma ohmiense* sp. nov., a new species of freshwater nemertean from Lake Biwa-Ko, central Japan, with special reference to the taxonomy and distribution of the known species in the genus *Prostoma* Dugès, 1828 (Enopla, Hoplonemertea, Monostylifera, Tetrastemmatidae). Bulletin of Fuji Women's College, Series II 36: 51–66.
- Coe, W. R. 1905. Nemerteans of the west and northwest coasts of America. Bulletin of the Museum of Comparative Zoölogy at Harvard College 47: 1–318.
- Coe, W. R. 1940. Revision of the nemertean fauna of the Pacific coasts of North, Central, and northern South America. Allan Hancock Pacific Expeditions 2: 247–322.
- Coe, W. R. 1943. Biology of the nemerteans of the Atlantic coast of North America. Transactions of the Connecticut Academy of Arts and Sciences 35: 129–328.
- Crandall, F. B. 1993. The genus *Valdivianemertes* Stiasny-Wijnhoff 1923 (Nemertea, Enopla, Hoplonemertea): nomenclatural status and proper systematic position. Hydrobiologia 266: 175–184.
- Crandall, F. B. 1994. *Valdivianemertes* Stiasny-Wijnhoff, 1923 (Nemertea): proposed conservation. Bulletin of Zoological Nomenclature 51: 298–301.
- Crandall, F. B. and Gibson, R. 1998. A second genus of pelagic Cratenemertidae (Nemertea, Hoplonemertea). Hydrobiologia 365: 173–198.
- Crandall, F. B. and Norenburg, J. L. 1999. *Checklist of the Nemertean Fauna of the United States*. Smithsonian Institution, Washington, D.C., 36 pp.
- Crandall, F. B., Norenburg, J. L., Chernyshev, A. V., Maslakova, S., Schwartz, M. and Kajihara, H. 2002. *Checklist of the Nemertean Fauna of Japan and Northeastern Asia*. Smithsonian Institution, Washington, D.C., 44 pp. [PDF available from <http://nemertes.si.edu/PDFs/epub2917.pdf>]
- Duchassaing, P. and Michelotti, J. 1860. Mémoire sur les coralliaires des Antilles. Memorie

- della Reale Accademia delle Scienze di Torino, Serie Seconda 19: 56–87.
- Envall, M. 1996. *Ototyphlonemertes corraeae* sp. nov. and a redescription of *O. duplex* (Nemertea: Monostilifera: Ototyphlonemertidae), with a phylogenetic consideration of the genus. *Journal of Zoology* 238: 253–277.
- Envall, M. and Sundberg, P. 1993. Intraspecific variation in nemerteans (Nemertea): synonymization of the genera *Paroerstedtia* and *Oerstedtiella* with *Oerstedtia*. *Journal of Zoology* 230: 293–318.
- Friedrich, H. 1957. Beiträge zur Kenntnis der arktischen Hoplonemertinen. *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* 119: 129–154.
- Frutos, I., Montalvo, S. and Junoy, J. 1998. A new species of *Prosorhochmus* (Hoplonemertea, Monostilifera) from the Chafarinas Islands (western Mediterranean). *Journal of Zoology* 245: 293–298.
- Gibson, R. 1979. Nemerteans of the Great Barrier Reef. 2. Anopla Heteronemertea (Baseodiscidae). *Zoological Journal of the Linnean Society* 66: 137–180.
- Gibson, R. 1981. Nemerteans of the Great Barrier Reef. 3. Anopla Heteronemertea (Lineidae). *Zoological Journal of the Linnean Society* 71: 171–235.
- Gibson, R. 1982a. *British Nemerteans*. Cambridge University Press, Cambridge, vi+212 pp.
- Gibson, R. 1982b. Nemertea. Pp. 823–846. *In*: Parker, S. P. (Ed.) *Synopsis and Classification of Living Organisms, Vol. 1*. McGraw-Hill, New York.
- Gibson, R. 1983. Nemerteans of the Great Barrier Reef. 6. Enopla Hoplonemertea (Polystilifera: Reptantia). *Zoological Journal of the Linnean Society* 78: 73–104.
- Gibson, R. 1988. A new species of marine nemertean from Anglesey, North Wales, with a discussion of the genus *Paroerstedtia* Friedrich, 1955. *Journal of Natural History* 22: 733–745.
- Gibson, R. 1994. *Nemerteans*. Field Studies Council, Shrewsbury, vii+224 pp.
- Gibson, R. 1995. Nemertean genera and species of the world: an annotated checklist of original names and description citations, synonyms, current taxonomic status, habitats and recorded zoogeographic distribution. *Journal of Natural History* 29: 271–562.
- Gibson, R. 1997. New benthic nemerteans from Hong Kong. Pp. 9–29. *In*: Morton, B. (Ed.) *The Marine Flora and Fauna of Hong Kong and Southern China, Vol. 4*. Hong Kong University Press, Hong Kong.
- Gibson, R. 1999. Further studies on the nemertean fauna of Rottnest Island, Western Australia. Pp. 359–376. *In*: Walker, D. I. and Wells, F. E. (Eds) *The Seagrass Flora and Fauna of Rottnest Island, Western Australia*. Western Australian Museum, Perth.
- Gibson, R. 2002. *The Invertebrate Fauna of New Zealand: Nemertea (Ribbon Worms)*. National Institute of Water and Atmospheric Research, Wellington, 87 pp.
- Gibson, R. and Crandall, F. B. 1989. The genus *Amphiporus* Ehrenberg (Nemertea, Enopla, Monostilifera). *Zoologica Scripta* 18: 453–470.
- Gibson, R. and Moore, J. 1998. Further observations on the genus *Geonemertes* with a description of a new species from the Philippine Islands. *Hydrobiologia* 365: 157–171.
- Gibson, R. and Strand, M. 2002. A new genus and species of monostiliferous hoplonemertean (Enopla: Hoplonemertea: Monostilifera) from New Zealand. *Zootaxa* 50: 1–20.
- Gibson, R. and Sundberg, P. 1999. Six new species of palaeonemerteans (Nemertea) from Hong Kong. *Zoological Journal of the Linnean Society* 125: 151–196.
- Gibson, R. and Sundberg, P. 2001. Some nemerteans (Nemertea) from Queensland and the Great Barrier Reef, Australia. *Zoologica Scripta* 18: 1259–1273.
- Gibson, R. and Sundberg, P. 2002. Some heteronemerteans (Nemertea) from the Solomon Islands. *Journal of Natural History* 36: 1785–1804.
- Gibson, R. and Wang, H. 2002. A new genus and species of freshwater monostiliferous hoplonemertean (Nemertea, Enopla) from the People's Republic of China. *Hydrobiologia*

- 489: 185–196.
- Gontcharoff, M. 1951. Biologie de la régénération et de la reproduction chez quelques Lineidae de France. *Annales des Sciences Naturelles, Zoologie, Série 11* 13: 149–235.
- Greif, R. 1879. Die Echiuren (*Gephyrea armata*). *Nova Acta Academiae Caesareae Leopoldino-Carolinae Germanicae Naturae Curiosorum* (Verhandlungen der Kaiserlichen Leopoldinisch-Carolinischen Deutschen Akademie der Naturforscher) 41: 1–172.
- Grube, E. 1855. Bemerkungen über einige Helminthen und Meerwürmer. *Archiv für Naturgeschichte* 1: 137–158.
- Härlin, M. 1998. Tree-thinking and nemertean systematics, with a systematization of the Eurentantia. *Hydrobiologia* 365: 33–46.
- Härlin, M. and Härlin, C. 2001. Phylogeny of the eurentantic nemerteans revisited. *Zoologica Scripta* 30: 49–58.
- Härlin, M. and Sundberg, P. 1995. Cladistic analysis of the eurentantic nemerteans (Nemertea: Hoplonemertea). *Invertebrate Taxonomy* 9: 1211–1229.
- Hochberg, F. G. and Lunianski, D. N. 1998. Nemertean collections at the Santa Barbara Museum of Natural History: type specimens and vouchers for Wesley R. Coe's 1940 publication. *Hydrobiologia* 365: 291–300.
- Hubrecht, A. A. W. 1879. The genera of European nemerteans critically revised, with description of several new species. *Notes from the Leyden Museum* 1: 193–232.
- International Commission on Zoological Nomenclature. 1999. *International Code of Zoological Nomenclature, Fourth Edition*. International Trust for Zoological Nomenclature, London, xxix+306 pp.
- International Commission on Zoological Nomenclature. 2003. Opinion 2888 *Valdivianemertes Stiasny-Wijnhoff, 1923* (Nemertea): not conserved. *Bulletin of Zoological Nomenclature* 60: 59–60.
- International Commission on Zoological Nomenclature. 2007. *Official Lists and Indexes of Names in Zoology*. International Trust for Zoological Nomenclature, London, 882 pp. [PDF available from <http://www.iczn.org/lists&indexes.pdf>]
- Ivanov, V. A., Bigatti, G., Penchaszadeh, P. E. and Norenburg, J. L. 2002. *Malacobdella arrokeana* (Nemertea: Bdellonemertea), a new species of nemertean from the southwestern Atlantic Ocean entocommensal in *Panopea abbreviata* (Bivalvia, Heterodonta, Hiatellidae) in Argentina. *Proceedings of the Biological Society of Washington* 115: 359–367.
- Iwata, F. 1998. On the hoplonemertean, *Kameginemertes parmiornatus* (Iwata, 1957) gen. n., comb. n. from Sagami Bay, Japan. *Hydrobiologia* 365: 199–213.
- Iwata, F. 2001. *Nipponnemertes fernaldi*, a new species of swimming monostiliferous hoplonemertean from the San Juan Archipelago, Washington, U.S.A. *Proceedings of the Biological Society of Washington* 114: 833–857.
- Iwata, F. 2006. On four monostiliferous hoplonemerteans, including three new genera and species from Washington State and British Columbia. *Journal of Natural History* 40: 873–913.
- Iwata, F. 2007. *Cyanonemertes elegans*, new genus, new species, a marine hoplonemertean from Washington State, U.S.A. *Proceedings of the Biological Society of Washington* 120: 197–213.
- Jensen, K. and Sadeghian, P. S. 2005. Nemertea (ribbon worms). Pp. 205–210. *In*: Rohde, K. (Ed.) *Marine Parasitology*. CSIRO Publishing, Collingwood and CABI Publishing, Wallingford.
- Kajihara, H. 2002. Two new species of *Zygonemertes* (Nemertea: Enopla: Monostilifera) from Hokkaido, Japan. *Species Diversity* 7: 121–143.
- Kajihara, H. 2006. Four palaeonemerteans (Nemertea: Anopla) from a tidal flat in middle

- Honshu, Japan. Zootaxa 1163: 1–47.
- Kajihara, H. 2007a. *Callinera emiliae* sp. nov. (Nemertea: Palaeonemertea) from Negros Island, the Philippines. Zootaxa 1454: 39–47.
- Kajihara, H. 2007b. Two species of *Nemertopsis* (Nemertea: Hoplonemertea: Monostilifera) living in association with *Capitulum mitella* (Crustacea: Cirripedia: Thoracica: Lepadomorpha). Zootaxa 1446: 43–58.
- Kajihara, H. 2007c. *Ototyphlonemertes dolichobasis* sp. nov. (Nemertea: Hoplonemertea: Monostilifera: Ototyphlonemertidae), a new species of interstitial nemertean from Japan. Species Diversity 12: 57–66.
- Kajihara, H. 2007d. A taxonomic catalogue of Japanese nemerteans (phylum Nemertea). Zoological Science 24: 287–326.
- Kajihara, H., Gibson, R. and Mawatari, S. F. 2000. Redescription and taxonomic reassessment of *Nemertellina minuta* Friedrich, 1935, *sensu* Yamaoka, 1940 (Nemertea, Hoplonemertea, Monostilifera). Zoological Science 17: 265–276.
- Kajihara, H., Gibson, R. and Mawatari, S. F. 2001. A new genus and species of monostiliferous hoplonemertean (Nemertea: Enopla: Monostilifera) from Japan. Hydrobiologia 456: 187–198.
- Kajihara, H., Gibson, R. and Mawatari, S. F. 2003. *Potamostoma shizunaiense* gen. et sp. nov. (Nemertea: Hoplonemertea: Monostilifera): a new brackish-water nemertean from Japan. Zoological Science 20: 491–500.
- Keilin, D. 1920. On two new gregarines, *Allantocystis dasyhelei* n.g., n.sp., and *Dendrorhynchus systemi* n.g., n.sp., parasitic in the alimentary canal of the dipterous larvae, *Dasyhelea obscura* Winn. and *Systemus* sp. Parasitology 12: 154–158.
- Kirsteuer, E. 1973. A new polystiliferous hoplonemertean, *Curranemertes natans* gen. et sp. n., from the Caribbean Sea (Nemertina, Polystilifera Reptantia). Zoologica Scripta 2: 125–140.
- Korotkevich, V. S. 1982. [Nemerteans from Chupa Inlet of the White Sea]. Pp. 42–43. In: Scarlato, O. A. (Ed.) *Uvelichenie Produktivnosti i Ratsional'nogo Ispol'zovaniya Biologicheskikh Resursov Belogo Moray. Materialy Pervoi Koordinatsionnoi Konferentsii [Increase of the Biological Production and Resources Conservation of the White Sea. Proceedings of the First Coordinating Conference]*. Zoological Institute, Leningrad.
- Korotneff, A. 1901. Faunistische Studien am Baikalsee. Biologisches Zentralblatt 21: 305–311.
- Kyao, N. N. 1954. [A new species of nemertean, *Amphiporus commensalus* n. sp. from the ambulical grooves of the sea-star *Crossaster papposus* L.]. Uchenye Zapiski Leningradskogo Ordena Lenina Gosudarstvennogo Universiteta Imeni A. A. Zhdanova, Seriya Biologicheskikh Nauk 35: 135–139.
- Leidy, J. 1851. Description of new genera of Vermes. Proceedings of the Academy of Natural Sciences of Philadelphia 5: 239–244.
- Maslakova, S. A. and Norenburg, J. L. 2001. Phylogenetic study of pelagic nemerteans (Pelagica, Polystilifera). Hydrobiologia 456: 111–132.
- Maslakova, S. A., Thiel, M., Vásquez, N. and Norenburg, J. L. 2005. The smile of *Amphiporus nelsoni* Sanchez, 1973 (Nemertea: Hoplonemertea: Monostilifera: Amphiporidae) leads to a redescription and a change in family. Proceedings of the Biological Society of Washington 118: 483–498.
- McIntosh, W. C. 1867. On the annelids of St. Andrews. Report of the Meetings of the British Association for the Advancement of Science 37: 92–93.
- McIntosh, W. C. 1873–1874. *A Monograph of the British Annelids. Part I. The Nemerteans*. Ray Society, London, v+214 pp., 23 pls. [Pp. 1–96, pls 1–10 in 1873; pp. 97–214, pls 11–23 in 1874]
- Moretto, H. J. A. 1998. A new heteronemertean from the Argentine coast of the southern At-

- lantic. *Hydrobiologia* 365: 215–222.
- Örsted, A. S. 1844. *Entwurf einer systematischen Eintheilung und speciellen Beschreibung der Plattwürmer, auf microscopische Untersuchungen*. Reitzel, C. A., Copenhagen, viii+96 pp., 3 pls.
- Punnett, R. C. 1900. On some South Pacific nemertines collected by Dr Willey. *Zoological Results Based on Material from New Britain, New Guinea, Loyalty Islands and Elsewhere, Collected during the Years 1895, 1896 and 1897 by Arthur Willey* 5: 569–584.
- Punnett, R. C. 1903. Nemerteans. Pp. 101–118. *In*: Gardiner, J. S. (Ed.) *The Fauna and Geography of the Maldive and Laccadive Archipelagos*. Cambridge University Press, Cambridge.
- Rathke, H. 1843. Beiträge zur Fauna Norwegens. *Verhandlungen der Kaiserlichen Leopoldinisch-Carolinischen Akademie der Naturforscher* 20: 1–264.
- Rathke, J. 1799. Jagttagelser henhørende til Indvoldeormenes og Bløddyrenes Naturhistorie. *Skrivter af Naturhistorie Selskabet, Kjøbenhavn* 5: 61–148.
- Riser, N. W. 1988. *Arhynchonemertes axi* gen. n., sp. n. (Nemertinea)—an insight into basic acoelomate bilaterian organology. *Progress in Zoology* 36: 367–373.
- Riser, N. W. 1994. The morphology and generic relationships of some fissiparous heteronemertines. *Proceedings of the Biological Society of Washington* 107: 548–556.
- Riser, N. W. 1998a. The morphology of *Micrura leidy* (Verrill, 1892) with consequent systematic revaluation. *Hydrobiologia* 365: 149–156.
- Riser, N. W. 1998b. New Zealand nemertines from kelp holdfasts: Hoplonemertinea 1. *Nipponnemertes sanguinea* sp. n. *New Zealand Journal of Zoology* 25: 287–294.
- Ritger, R. K. and Norenburg, J. L. 2006. *Tubulanus riceae* new species (Nemertea: Anopla: Palaeonemertea: Tubulanidae), from South Florida, Belize and Panama. *Journal of Natural History* 40: 931–942.
- Rogers, A. D., Gibson, R. and Tunnicliffe, V. 1996. A new genus and species of monostiliferous hoplonemertean colonizing an inchoate hydrothermal field on Juan de Fuca Ridge. *Deep-Sea Research, Part I, Oceanographic Research Papers* 43: 1581–1599.
- Santos, C., Norenburg, J. L. and Bueno, S. L. S. 2006. Three new species of *Carcinonemertes* (Nemertea, Carcinonemertidae) from the southeastern coast of Brazil. *Journal of Natural History* 40: 915–930.
- Schmarda, L. K. 1859. *Neue Turbellarien, Rotatorien und Anneliden beobachtet und gesammelt auf einer Reise um die Erde 1853 bis 1857, Part 1*. Engelmann, W., Leipzig, 66 pp.
- Schwartz, M. L. and Norenburg, J. L. 2005. Three new species of *Micrura* (Nemertea: Heteronemertea) and a new type of heteronemertean larva from the Caribbean Sea. *Caribbean Journal of Science* 41: 528–543.
- Senz, W. 1994. *Cerebratulus knerii* (Diesing, 1850) a junior synonym of *Notospermus geniculatus* (Delle Chiaje, 1828) (Nemertini: Heteronemertini) and an additional note on the anatomy of its brain. *Zoologischer Anzeiger* 233: 241–245.
- Senz, W. 1995. *Lineus rovinjensis* nom. n. (olim *Lineus arenicolus* Senz, 1993) and *Tetrastemma kirsteueri* nom. n. (olim *Tetrastemma cruciatus* Senz, 1993) (Nemertinea: Heteronemertinea, Hoplonemertinea). *Annalen des Naturhistorischen Museums in Wien* 97B: 55–56.
- Senz, W. 1996a. Eine Untersuchung der Probleme der Heteronemertinen-Systematik, dargestellt anhand von *Lineus bergendali* n. sp., einer neuen Heteronemertine aus dem Golf von Triest (Nemertini: Anopla: Lineidae). *Senckenbergiana Biologica* 76: 197–208.
- Senz, W. 1996b. Über die Gattung *Valencinura* Bergendal, 1902 (Heteronemertini: Nemertini)—nebst Überlegungen zur Bedeutung der phylogenetischen Systematik für die gegenwärtige Klassifikation der Nemertinen. *Sitzungsberichte und Anzeiger, Österreichische Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Klasse, Abteilung I, Biologische Wissenschaften und Erdwissenschaften* 203: 29–49.

- Senz, W. 1996c. On the genus *Minutanemertes* Senz, 1993 (Nemertini: Hoplonemertini). *Annalen des Naturhistorischen Museums in Wien* 98B: 45–55.
- Senz, W. 1996d. *Prostoma communopore* sp. n., eine neue Nemertine aus dem Grundwasser in Österreich (Nemertini: Hoplonemertini: Monostilifera). *Annalen des Naturhistorischen Museums in Wien* 98B: 23–30.
- Senz, W. 1996e. Wiederbeschreibung und taxonomische Diskussion von *Borlasia trilineata* Schmarda, 1859. *Annalen des Naturhistorischen Museums in Wien* 98B: 31–43.
- Senz, W. 1997a. Morphologie und klassifikatorische Position einiger anopler Nemertinen (Nemertini: Anopla). *Annalen des Naturhistorischen Museums in Wien* 99B: 423–496.
- Senz, W. 1997b. Redescription and systematic discussion of *Amphiporus heterophthalmus* (Schmarda, 1859). *Spixiana* 20: 193–198.
- Senz, W. 1997c. Über die phylogenetische Herkunft und systematische Stellung der Gattung *Malacobdella* Blainville, 1827 (Nemertini, Bdellonemertini). *Sitzungsberichte und Anzeiger, Österreichische Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Klasse, Abteilung I, Biologische Wissenschaften und Erdwissenschaften* 204: 39–62.
- Senz, W. 2000. Neue Nemertinen aus dem Golf von Arabien. 1. Palaeonemertini. *Annalen des Naturhistorischen Museums in Wien* 102B: 321–373.
- Senz, W. 2001a. Neue Nemertinen aus dem Golf von Arabien. 2. Heteronemertini und monostilifere Hoplonemertini. *Annalen des Naturhistorischen Museums in Wien* 103B: 13–75.
- Senz, W. 2001b. Eine neue Heteronemertine von der Küste Japans (Nemertini). *Spixiana* 24: 5–12.
- Shields, J. D. 2001. *Ovicides julieae* n. gen., n. sp. (Nemertea: Carcinonemertidae) on xanthid crabs from the Great Barrier Reef, Australia. *Journal of Crustacean Biology* 21: 304–312.
- Stiasny-Wijnhoff, G. 1934. Some remarks on North Atlantic non-pelagic Polystylifera. *Quarterly Journal of Microscopical Science* 77: 167–190.
- Stiasny-Wijnhoff, G. 1936. Die Polystylifera der Siboga-Expedition. *Siboga Expeditie* 22: 1–214.
- Strand, M., Hjelmgren, A. and Sundberg, P. 2005. Genus *Baseodiscus* (Nemertea: Heteronemertea): molecular identification of a new species in a phylogenetic context. *Journal of Natural History* 39: 3785–3793.
- Sun, S.-C. 1993. A new monostiliferous hoplonemertean: *Pseudotetrastemma qingdaoensis* gen. nov. sp. nov. Pp. 1035–1045. In: Shandong Association for Science and Technology (Ed.) *Advance in Natural Sciences of Shandong*. Scientific and Technical Press of China, Beijing.
- Sun, S.-C. 1995a. Nemerteans of Zhoushan Islands, East China Sea coast, China II. Enopla: Distromatorhynchocoela: Monostilifera: Tetrastemmidae. *Chinese Journal of Oceanology and Limnology* 13: 278–283.
- Sun, S.-C. 1995b. Nemerteans of Zhoushan Islands, East China Sea coast, China I. Enopla: Distromatorhynchocoela: Monostilifera: Empletonemertidae. *Chinese Journal of Oceanology and Limnology* 13: 162–168.
- Sun, S.-C. 2001. A new mangrove-dwelling nemertean from China. *Hydrobiologia* 456: 199–209.
- Sun, S.-C. 2006. On nemerteans with a branched proboscis from Zhanjiang, China. *Journal of Natural History* 40: 943–965.
- Sun, S.-C. and Dong, S.-L. 1998. Redescription and taxonomic reconsideration of *Nemertopsis gracilis* var. *bullocki* Coe, 1940. *Chinese Journal of Oceanology and Limnology* 16: 271–279.
- Sun, S.-C, Dong, S.-L. and Chen, Y.-H. 1998. A new monostiliferous hoplonemertean from the East China Sea. *Ophelia* 49: 17–28.
- Sun, S.-C. and Lu, J.-R. 1998. A new genus and species of heteronemertean from the

- Changjiang (Yangtze) River estuary. *Hydrobiologia* 367: 175–187.
- Sun, S.-C. and Lu, J.-R. 2008. *Yininemertes* nom. nov. for preoccupied *Yinia* Sun and Lu, 1998 (Nemertea: Heteronemertea). *Species Diversity* 13: 187–188.
- Sun, S.-C. and Yin, Z.-F. 1995. Freshwater nemertean: a new subspecies of genus *Prostoma*. *Acta Hydrobiologica Sinica* 19: 135–138. [In Chinese with English abstract]
- Sundberg, P. 1991. A proposal for renaming the higher taxonomic categories in the phylum Nemertea. *Journal of Natural History* 25: 45–48.
- Sundberg, P. and Andersson, S. 1995. Random amplified polymorphic DNA (RAPD) and in-traspecific variation in *Oerstedia dorsalis* (Hoplonemertea, Nemertea). *Journal of the Marine Biological Association of the United Kingdom* 75: 483–490.
- Sundberg, P. and Gibson, R. 1995. The nemerteans (Nemertea) of Rottnest Island, Western Australia. *Zoologica Scripta* 24: 101–141.
- Sundberg, P., Gibson, R. and Olsson, U. 2003. Phylogenetic analysis of a group of palaeonemerteans (Nemertea) including two new species from Queensland and the Great Barrier Reef, Australia. *Zoologica Scripta* 32: 279–296.
- Sundberg, P., Gibson, R. and Strand, M. 2007. Swedish nemerteans (phylum Nemertea), with description of a new hoplonemertean genus and species. *Journal of Natural History* 41: 2287–2299.
- Takakura, U. 1898. [A classification of the nemerteans of the Misaki region]. *Zoological Magazine, Tokyo* 10: 38–44, 116–120, 184–187, 331–337, 424–429. [In Japanese]
- Thollessen, M. and Norenburg, J. L. 2003. Ribbon worm relationships: a phylogeny of the phylum Nemertea. *Proceedings of the Royal Society of London, B* 270: 407–414.
- Timofeev, T. 1913. *Cerebratulus kowalewskii*. P. 214. In: Zernov, S. A. *K Voprosu ob Izuchenii Zhyzni Chernogo Morya* [On the Question Concerning Investigations of the Life of the Black Sea]. *Zapiski Akademii Nauk, Series 8*, 32: 1–299. [In Russian]
- Uschakov, P. V. 1926. Zur Fauna der Nemertinen des Weissen Meeres. *Issledovaniia Russkikh Morei* 3: 47–71. [In Russian with German abstract]
- Uschakov, P. V. 1928. Beschreibung einiger neuen Nemertinenarten vom Barents-Meere, Weißen Meere und Nowaja-Semlja. *Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere* 54: 407–424.
- Vernet, G. 1997. *Myoisophagos bicolor*, sp. nov., nouvelle némerte anopla (Lineidae) récoltée en Manche (Gatteville, France). *Bulletin de la Société Zoologique de France* 122: 149–154.
- Verrill, A. E. 1892. The marine nemerteans of New England and adjacent waters. *Transactions of the Connecticut Academy of Arts and Sciences* 8: 382–456.
- Wern, J. O. 1998. An enigmatic heteronemertean from the Gulf of Mexico. *Hydrobiologia* 365: 135–147.
- Wheeler, J. F. G. 1934. Nemerteans from the South Atlantic and southern oceans. *Discovery Reports* 9: 215–294.
- Wijnhoff, G. 1913. Die Gattung *Cephalothrix* und ihre Bedeutung für die Systematik der Nemertinen. II. Systematischer Teil. *Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere* 34: 291–320.
- Yamaoka, T. 1940. The fauna of Akkeshi Bay. IX. Nemertini. *Journal of the Faculty of Science, Hokkaido Imperial University, Series 6, Zoology* 7: 205–263.