

## Updated checklist of pheretimoids (Oligochaeta : Megascolecidae: *Pheretima auct.*) taxa. **March, 2007**

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### Abstract

This checklist of approximately 920 valid species from a total of >1,300 names, plus numerous synonyms, invalid names and lapsae of *Pheretima auct.* is updated from Sims & Easton (1972), wherein more extensive earlier bibliographic references may be found, and from Blakemore (2004, 2005). New replacement names under ICZN (1999) for permanently invalid primary homonyms were ***Pheretima asurgo*** Blakemore, 2006b [an anagrammatic replacement of primary homonym *Pheretima rugosa* James, 2004 (non *P. houletti rugosa* Gates, 1926) as publicly flagged by Blakemore (2005 and online website)], ***Amyntas gegatesi*** Blakemore, 2006a formed from G.E. Gates' name for *Pheretima dolosa* Gates, 1932: 443 (non *Pheretima doliaria dolosa* Gates, 1932: 416), and ***Amyntas papilio vespertilio*** Blakemore, 2006a formed from Latin for the bat's ear-like genital markings of *Pheretima papilio insignis* Gates, 1932 (non *Pheretima insignis* Michaelsen, 1921). A secondary homonym replacement name was ***Amyntas andersoni doettrani*** Blakemore, 2006a for *Pheretima andersoni minima* Do and Tran, 1995 in Do, Tran et Le, 1995 (non *Perichaeta minima* Horst, 1893 = *Amyntas minimus*). Other new combinations and new synonyms are as noted in the Table below.

### Introduction

Sims (1983: 468) said that revisionary studies on the Asio-Australasian megascolecid genus *Pheretima auct.* by Sims & Easton (1972) and Easton (1979, 1984) had wrought long overdue name changes when assigning species to eight component genera. This huge taxon had contained nearly eight hundred nominal species of which Sims (1983) regarded less than half as valid although most were listed in Sims & Easton's (1972) nomenclator. The current number of valid species approximate to 920 taxa, as listed below, with maybe 400+ synonyms and invalid names, but synonymies are yet to be fully determined for all, except perhaps for the common cosmopolitans (eg. see Blakemore, 2002).

Routine allocation of new taxa to *Pheretima* as in the past is no longer appropriate since Sims & Easton (1972) explained how *Amyntas* has strict priority: Kinberg (1867) spelt the genus name *Amyntas* (p. 97) and *Amyntas* (p. 101), the former spelling has

priority, the second was preoccupied by a Collopteran: *Amyntas* Woolaston, 1865; non *Amyntas* Benham, 1921 (Polychaeta) that differs in lack of the letter "n". Kinberg described *Pheretima* on p. 102 and it now has a more precise diagnosis and restricted distribution. Many classical species names were transferred to *Pheretima* s. lato from the genus *Perichaeta* Schmarda, 1861 [type species *Pe. leucocyla* Schmarda, 1861; synonyms *Perichoeta* : Vaillant, 1867 (laps.); *Pericheta* : Perrier, 1874 (laps.)] which has long been combined as a junior synonym of the Sri Lankan genus *Megascolex* Templeton, 1844, for reasons explained by Horst (1883: 182) and Sims & Easton (1972: 175). Two other pheretimoid genera: *Nitocris* Kinberg, 1867 and *Rhodopis* Kinberg, 1867 were preoccupied (see Michaelsen, 1900: 234; Sims & Easton, 1972: 178). Genus names can be checked online at: <http://uio.mbl.edu/NomenclatorZoologicus/>.

New replacement names under ICZN (1999: Arts. 16; 53.3; 57.2 Examples; 60) were ***Pheretima asurgo*** Blakemore, 2006b [an anagrammatic replacement of primary homonym *Pheretima rugosa* James, 2004 (non *P. houlleti rugosa* Gates, 1926) as publicly flagged by Blakemore (2005 and online website)], ***Amyntas gegatesi*** Blakemore, 2006b, with patronymic name, for *Pheretima dolosa* Gates, 1932: 443, mistakenly cited as “nom. nov.” by Reynolds & Cook (1976; 95), non *Pheretima doliaria dolosa* Gates, 1932: 416 regarded as a synonym (but without justification) of the nominal sub-species by Sims & Easton (1972: 234 footnote); and ***Amyntas papilio vespertilio*** Blakemore, 2006b formed from the Latin for the bat’s ear-like genital markings around male pores of *Pheretima papilio insignis* Gates, 1932 (non *Pheretima insignis* Michaelsen, 1921). A secondary homonym replacement name is ***Amyntas andersoni doettrani*** Blakemore, 2006b for *Pheretima andersoni minima* Do and Tran, 1995 (non *Perichaeta minima* Horst, 1893 = *Amyntas minus*) that is formed from the original authors' names. A previously published replacement name was ***Pheretima (Parapheretima) barbigua*** Blakemore, 2004: 129 for *P. barbara ambigua* Cognetti, 1913 [non *P. ambigua* Cognetti, 1906]. Some other permanently invalid primary homonyms are *Pheretima bipapillata* Chen, 1936 (= *Metaphire bucculenta* (Gates, 1935) non *Pheretima bipapillata* (Ude, 1905) (= *Pithemera pacifica* (Beddard, 1899), and several names, published by Ishizuka (1999-2001) e.g *Pheretima montana* (non Kinberg, 1867), but these taxa are now in synonymy (and/or in different genera since ca. 1900) so are not replaced. A few invalid replacement names are also noted (eg. those by Nakajima, 1999). Other new combinations and new synonyms are as noted

**Results: Table and checklist of pheretimoids (*Pheretima* auct.) species**

*Species inquirenda* means a species in need of further investigation due to some doubt to its identity; *Nomen nudum* is an invalid name that may yet be made available for the same or for a different concept, taking this latter authorship and date (see ICZN, 1999).

<i>Genus</i>	<i>species</i>	<i>Author</i>	<i>Distribution</i>	<i>Notes</i>	<i>Synonyms</i>	<i>Status</i>
<i>Metaphire</i>	<i>abditia</i>	(Gates, 1935: 5)	Suifu, Szechuan.	Redescribed by Chen, 1936: 292.	Name sometimes misspelt as "abdicta" (eg. Sims & Easton, 1972) and (erroneously?) ascribed to <i>Amyntas</i> by Qiu & Bouche (1998: 97).	
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>aberrans</i>	Cognetti, 1911: 2	Manikion region, West New Guinea.			<b><i>Type species.</i></b>
<i>Isarogoscolex</i>	<i>abiadai</i>	James, 2005: 271	Isarog, Luzon, Philippines.	Ca. 50mm.		<b><i>Type species.</i></b>
<i>Pithemera</i>	<i>ablata</i>	(Ude, 1905: 405)	Pacific.	Doubtfully a junior synonym of	Originally <i>Pheretima sedgwicki ablata</i> .	
<i>Amyntas</i> ?	<i>abrevicepitatus</i>	(Thai et Le, 1993: 34)	Vietnam	This species is very close to <i>Pheretima brevicepitata</i>		<b><i>Comb. nov.; species inquirenda</i></b>
<i>Metaphire</i> ?	<i>acalifornica</i>	(Do et Huynh, 1991 in Do, Usachev et Huynh, 1991: 56)	Vietnam	This species is very close to <i>Metaphire californica</i> (Kinberg)		<b><i>Comb. nov.; species inquirenda</i></b>
<i>Pheretima</i>	<i>acidita</i>	Chen, 1946: Plate VIB	-	Lapsus for "acidophila" Chen, 1946.		<b><i>Nomen nudum.</i></b>
<i>Amyntas</i> ?	<i>acidophilus</i>	(Chen, 1946: 111)	Szechuan (and reported from Bac Giang province, Vietnam).		[ <i>Nomen nudum</i> "acidita" Chen, 1946: Plate VIB].	

<i>Amynthas</i>	<i>acinctus</i>	(Goto & Hatai, 1899: 16)	Japan.		<i>Pheretima yezoensis</i> Kobayashi, 1938: 412.
<i>Amynthas</i>	<i>acrophilus</i>	(Rosa, 1896: 527)	Sumatra, Indonesia.		
<i>Amynthas</i>	<i>aculeatus</i>	(Gates, 1936: 390)	Andaman Islands.		
<i>Amynthas</i>	<i>adexilis</i>	(Thai, 1984: 286)	Vietnam.		<b>Comb. nov.;</b> <b>Species</b> <b>inquirenda.</b>
<i>Metaphire</i>	<i>aduncata</i>	Zhong, 1987: 336	Sichuan, China.		<b>Species</b> <b>inquirenda.</b>
<i>Amynthas</i>	<i>aelianus</i>	(Rosa, 1892: 545)	Sunda Island, Engano.		
<i>Amynthas</i>	<i>aeruginosus</i>	Kinberg, 1867: 101	Pacific.	Date sometimes (?mis)quoted as "Kinberg, 1897".	? <i>Perichaeta upoluensis</i> Beddard, 1887; <b>Type species.</b> <i>Perichaeta oeriginosa</i> (?lapsus pro <i>aeruginosa</i> ) Beddard, 1891:278; ? <i>Pheretima rennellana</i> Gates, 1959. [Cf. <i>Amynthas taitensis</i> (Grube, 1866)].
<i>Metapheretima</i>	<i>agathis</i>	Lee, 1981: 549	Vanuatu.	Nakamura (1999) has this by mistake in <i>Polypheretima</i> .	
<i>Metaphire</i>	<i>aggera</i>	(Kobayashi, 1934)	Korea (and "Manchuria").		
<i>Amynthas</i>	<i>agilis</i>	(Michaelsen, 1923: 2)	Sumatra.		
<i>Amynthas</i>	<i>agrestis</i>	(Goto and Hatai, 1899)	Japan, Korea and USA.		<i>Pheretima striata</i> Ishizuka, 1999.
<i>Amynthas</i>	<i>ailiaoensis</i>	James et al., 2005:	Taiwan.	Possibly a synonym of <i>M. feijani</i> according to Tsai and Shen (pers. comm.).	

		1007 in James, Shih and Chang, 2005			
<i>Pithemera</i>	<i>aimerikiensis</i>	(Ohfuchi, 1941: 302)	Palao.		Most likely a junior synonym of <i>Pithemera bicincta</i> or <i>Pi. violacea</i> .
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>alba</i>	James, 2004: 304	Mindanao, Philippines.		Cf. <i>P. paucisetosa</i> .
<i>Isarogoscolex</i>	<i>albayensis</i>	James, 2005: 271	Isarog, Luzon, Philippines.		Ca. 60mm.
<i>Pleionogaster</i>	<i>albayensis</i>	James, 2006: 3	Tiwi, Luzon, Philippines.		
<i>Amyntas</i>	<i>albobrunneus</i>	(Beddard, 1912: 191)	Luzon, Philippines.		Cf. <i>A. orientalis</i> .
<i>Amyntas</i>	<i>alexandri</i> <i>alexandri</i>	Beddard, 1901: 999	Kew, India, Andaman Islands, Thailand, Myanmar.	Sometimes miscited "Beddard, 1900: 988". Gates (1930) thought <i>lignicola</i> should possibly be maintained separately, but his arguments were not completely convincing and Gates (1931: 366) combined it, along with <i>Pheretima</i> <i>suctoria mullani</i> Stephenson, 1924: 340 although Gates (1972) makes no mention of this nor of the <i>A.</i> <i>alexandri gracilior</i> sub-species.	<i>Pheretima lignicola</i> Stephenson, 1914: 399; ? <i>Pheretima</i> <i>suctoria mullani</i> Stephenson, 1924: 340; ? <i>Pheretima</i> <i>alexandri gracilior</i> Gates, 1931: 371.
<i>Amyntas</i>	<i>alexandri</i> <i>gracilior</i>	(Gates, 1931: 371)	Myanmar.		Possibly merged as no mention found in Gates (1972). Page number often mistakenly given as Gates, 1931: 363.

<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>alkmaarica</i>	Cognetti, 1913: 298	Several localities eg Sabang, Alkmaar, Mt Went, Mt. Hellwig and (Gates, 1948) from Wilhemina summit (3,600m) near Lake Habbema, Irian Jaya, West Papua.	Gates (1948) redescribed poorly preserved, non-type material.	
<i>Amyntas</i> ?	<i>alluxoides</i>	(Thai et Samphon, 1988: 16)	Laos	Cf. <i>P. choana</i> , <i>P. dorsomonothecana</i> . Name mentioned as " <i>Ph. alluroides</i> " in Thai, Do and Huynh (1992: 2).	<b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i>	<i>alluxus</i>	(Thai, 1984: 1318)	Vietnam.		<b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i>	<i>alteradamae</i>	(Michaelsen, 1934: 540)	Pulo Dama Island in the Gulf of Thailand, Vietnam.	Sometimes misspelt "alterdamae".	
<i>Amyntas</i>	<i>ambiguus</i>	(Cognetti, 1906)	Yokohama, Japan.	[Non <i>Pheretima barbara ambigua</i> Cognetti, 1913: 302 (= <i>Pheretima barbigua</i> Blakemore, 2004 nom. nov. under ICZN, 1999: Art. 57.2 Examples) this former name is a primary homonym that is	Included as a member (not synonym) of an athecal <i>Amyntas illotus</i> species-group of Sims & Easton, 1972: 236, but listed as a member of an " <i>Amyntas hilgendorfi</i> species-group" by Easton (1981: 51).

permanently invalid and is now replaced].

<i>Pheretima</i> ( <i>Pheretima</i> )	<i>ambonensis</i>	Cognetti, 1913: 40	Ambon Island; Moluccas, Indonesia.		
<i>Planapheretima</i>	<i>ambulatrix</i>	(Michaelsen, 1934: 22)	Borneo, Sarawak, Mt Dulit.		
<i>Pheretima</i>	<i>americana</i> <i>bidentata</i>	Cernosvitov, 1942 ?		Cited by Csuzdi (2003). ?	<b><i>Species inquirenda.</i></b>
<i>Amynthas</i>	<i>americanorum</i>	(Beddard, 1912: 200)	Luzon, Philippines.		
<i>Metaphire</i>	<i>amplectens</i>	(Michaelsen, 1934: 501)	Mt Bana (>1,500m), Tourane, Vietnam.		
<i>Amynthas</i>	<i>analectus</i> <i>analectus</i>	(Gates, 1932: 501)	Myanmar.		
<i>Amynthas</i>	<i>analectus</i> <i>promotus</i>	(Gates, 1933: 494)	Myanmar.		<i>Pheretima pannosa</i> Gates, 1936: 441.
<i>Amynthas</i>	<i>analectus rufulus</i>	(Gates, 1933: 543)	Myanmar.	Sometimes given specific status.	
<i>Metaphire</i>	<i>andamanensis</i>	(Michaelsen, 1907: 164)	Andaman Islands.		
<i>Amynthas</i>	<i>andersoni</i> <i>andersoni</i>	(Michaelsen, 1907: 167)	Myanmar (and Laos).	Part of a species group.	<i>Pheretima nemoralis</i> Gates, 1932: 531; <i>Pheretima velata</i> var. <i>alveata</i> Gates, 1932: 539.
<i>Amynthas</i>	<i>andersoni</i> <i>doettrani</i>	Blakemore, 2006a: 1	Vietnam	Nom. nov. pro <i>Pheretima andersoni minima</i> Do and Tran, 1995 in Do, Tran et al., 1995: 89 (non <i>Perichaeta minima</i> Horst, 1893 = <i>Amynthas minimus</i> , but	<b>Replacement name.</b>

still held by some authors in *Pheretima*); replacement name for secondary homonym formed from original authors' names.

<i>Metapheretima</i>	<i>andurili</i>	Easton, 1979: 109	Papua New Guinea.		
<i>Amynthas</i>	<i>angusticaudus</i>	(Thai, 1982: 821)	Vietnam.		<b>Comb. Nov.</b>
					<b>Species</b>
					<b>inquirenda.</b>
<i>Amynthas ?</i>	<i>anhumalatanus</i>	(Thai et Huynh, 1993 in Thai, Do et Huynh, 1993: 14)	Vietnam.	This species is very close to <i>Pheretima nhumalatana</i> Thai et Samphon, 1989.	<b>Species</b>
					<b>inquirenda</b>
<i>Polypheretima</i>	<i>annamensis</i>	(Stephenson, 1931: 60)	Lang Bian Peaks (2,000m), Southern Vietnam.	Miscited as "annamanensis" by Easton (1976: 39).	
<i>Polypheretima</i>	<i>annulata</i>	(Horst, 1883: 195)	"Indonesia" (type locality), Kei, Sunda Islands; Malayan Archipelago; and West Papua (e.g., Etna Bay; Bivak Island; Sabang; Skroe; Wammer, Kobroor, Dobo Island-Aru; near River Lorentz) .	This species miscited as " <i>Perichaeta Pheretima fakfakensis tetratheca</i> Michaelsen, 1910: 254; <i>annulata</i> Horst, 1890: 236" by Reynolds & Cook (1976: 70); actually this reference by Horst is to his earlier taxon, <i>Megascolex annulatus</i> Horst, 1883: 195 (= <i>Po. annulata</i> ).	<i>Pheretima kochii</i> Cognetti, 1913: 293 (sometimes spelt "kochi"); <i>Pheretima invisus</i> Cognetti, 1913: 294; <i>Pheretima schaedleri</i> Michaelsen, 1922: 52.
<i>Metaphire</i>	<i>anomala</i>	(Michaelsen, 1907: Peregrine.	India,	Spermathecae and/or GM and/or	<i>Pheretima anomala</i> (sic, lapsus) : <b>Species</b>



167) Myanmar, Thailand, Vietnam, Laos, China (Yunnan), etc. male pores sometimes missing (Gates, 1972: 166). Specimens without male pores may thus resemble other parthenogenetic morphs that have been given names at other times. Name sometimes misspelt "anomalia".

Stephenson, 1923: 294 ; *Pheretima insolita* Gates, 1925: 543/568 [misspelt as "insolata" in Sims & Easton (1972: 237, 243)]; *Pheretima anomala insolita* : Stephenson, 1929: 234; *Pheretima anomala centralis* Stephenson, 1929: 234. [There is conflict in the name *insolita* in that Reynolds and Cook, 1976: 118 ascribe it to both Gates (1925: 568) and to Stephenson (1929: 234), this was corrected in Reynolds & Cook (1981: 32). In fact, Gates (1925; 568) in a footnote formally named this taxon].

***inquirenda.***

*Amynthas antefixus* (Gates, 1935: 6) Suifu, Szechuan.  
*Amynthas aporus* Qiu & Wang, 1994 China.

*Metapheretima apunae* Lee, 1981: 550 Vanuatu. Nakamura (1999) has this by mistake in *Polypheretima*. Cf. *Me. speiseri*.  
*Pheretima arayatensis* James *et al.* in Mt Arayat, Luzon, Philippines  
 James, Hong and Kim, 2004

*Planapheretima arboricola* (Rosa, 1890: 119) Myanmar and Vietnam. Originally *Perionyx arboricola*; *Pheretima arboricola* Gates, 1936: 399  
*Pheretima arboricola* Gates, 1936:

***Species inquirenda.***

				399 is synonymous according to Easton (1979: 76-77).		
<i>Metaphire</i>	<i>arcuata</i>	(Gates, 1937: 189)	Bukit Timah, Singapore.	Spermathecae sometimes absent and so possibly a parthenogenetic morph of <i>M. lorella</i> according to Gates (1972: 199).		
<i>Amyntas</i>	<i>areniphilus</i>	(Chen and Hsü, in Chen, Hsü, Yang and Fong, 1975: 91)	China.	Cf. <i>A. rubellus</i> .		
<i>Metapheretima</i>	<i>arensi</i>	(Ude, 1932: 168)	New Britain.			
<i>Polypheretima</i>	<i>aringeana</i>	(Beddard, 1900: 899)	Aring, Kelantan, Malay peninsula.		[Non <i>Perichaeta ringeana</i> (= <i>Metaphire californica</i> )].	
<i>Metaphire</i>	<i>arrobustoides</i>	(Thai, 1984: 1327)	Vietnam		<b>Comb. nov.;</b> <b>Species</b> <b>inquirenda.</b>	
<i>Amyntas</i>	<i>arrobustus</i>	(Thai, 1984: 1327)	Vietnam		<b>Comb. nov.;</b> <b>Species</b> <b>inquirenda.</b>	
<i>Amyntas</i>	<i>asacceus</i>	(Chen, 1938: 382)	Hainan, Ryukyus, (?Taiwan), and Vietnam.	An "incorrect original spelling" (under ICZN, 1999: Art. 32.5.1.1) as <i>Pheretima assaccea</i> was subsequently corrected by Chen in an ERRATA sheet (Jian Huang pers. comm.) to <i>asacceus</i> . Thus often incorrectly misspelt as " <i>Amyntas</i>	<i>P. pusilla Ohfuchi, 1956: 138 (non Ude, 1893 = A. minimus); Pheretima medipusilla Nakamura, 1999:2 nom. nov. pro Pheretima pusilla Ohfuchi, 1956, ?Amyntas proasacceus (sic) Tsai et. al. in Tsai, C-F., Shen and Tsai 2001: 282.</i>	<b>Species</b> <b>inquirenda.</b>

<i>Amynthas</i>	<i>asiaticus</i>	Michaelsen, 1900: 13	Tien-Tsin, China; a report from Taiwan is unsubstantiated.	<i>assacceus</i> ". Also noted by Michaelsen (1900: 527). Gates (1958: 28) thought it a possible synonym of <i>tschiliensis</i> . Sometimes misspelt "Pheretima asiatica" or "P. asiaticua".
<i>Amynthas</i>	<i>aspergillum</i>	(Perrier, 1872: 118)	China (Amoy and Kowloon), Hainan, Taiwan and Vietnam.	This species was mooted as a synonym of <i>A. robustus</i> (Perrier, 1872) but this has not been supported. Because the synonym [ <i>paraglandularis</i> cf. <i>A. aspergillum</i> ] has simple but incised caeca, this is given as an option here (Chen, 1932: 160). Gates (1935) said synonyms were <i>P. lauta</i> Ude, 1905, <i>P. paraglandularis</i> Fang, 1928 and <i>P. siemsseni</i> Michaelsen, 1931 (this latter in part). Name seems to be spelt aspergillum more than aspergillus but Sims & Easton (1972: 234) list it as aspergillus rather than "aspergillum" and also on page 260 cite the paraglandularis synonymy. <i>Perichaeta takatorii</i> Goto & Hatai, 1898: 76; <i>Pheretima paraglandularis</i> Fang, 1929.
<i>Amynthas</i>	<i>assimilis</i>	Hong & Kim, 2002:	South Korea.	

<i>Pheretima</i> ( <i>Pheretima</i> )	<i>asurgo</i>	Blakemore, 2006b: 1	Mindanao, Philippines.	Replacement name provided for <i>Pheretima rugosa</i> James, 2004: 300 (non <i>Pheretima houletti</i> var. <i>rugosa</i> Gates, 1926), under ICZN (1999: Art. 57.2) on notice more than one year earlier from Blakemore (2005).	<b>Replacement name.</b>
<i>Pheretima</i> ?	<i>atheca</i>	(Rosa, 1896: 520)	Sumatra, Indonesia and Lundu, Sarawak (by Michaelson, 1928: 41).	In <i>Metaphire</i> or <i>Pheretima</i> ( <i>Pheretima</i> ); put in <i>Pheretima</i> by Michaelson (1900: 254). Sims & Easton (1972: 223) maintained it as <i>species incertae sedis</i> yet noted that Michaelson (1928: 41) "regarded it as a subspecies of <i>indica</i> (= <i>Pheretima</i> ( <i>Pheretima</i> ) <i>darnleiensis</i> )".	<b>Species incertae sedis.</b>
<i>Metaphire</i>	<i>atrofusca</i>	(Michaelson, 1928: 37)	Mt Poi, Sarawak, Borneo.		
<i>Amyntas</i> <i>Amyntas</i> ?	<i>axillis</i> <i>bachmaensis</i>	(Chen, 1946: 122) (Thai and Nguyen in Nguyen, 1993: 7)	Szechuan Vietnam	One of the biggest earthworm in Vietnam, up to 400 mm in length.	<b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i> ?	<i>bacoensis</i>	Hong & James, 2004: 729	Baco, Philippines.		
<i>Polypheretima</i>	<i>badia</i>	(Ude, 1932: 171)	Indonesia: W. Flores (type locality), E. Lombok.	The original description had spermathecae in 6/7/8/9 only, possibly a mistake.	
<i>Amyntas</i>	<i>baemsagolensis</i>	Hong and James, 2001	Korea.		
<i>Metaphire</i>	<i>bahli</i>	(Gates, 1945: 85)	Sri Lanka, Philippines, Laos, Campuchia	In a Vietnamese paper by Thai (2000?) it was suggested that <i>Pheretima bahli</i> had synonyms of <i>Pheretima saigonensis</i> Omodeo, 1955 and <i>Ph. bangoiiana</i> Michaelson, 1934. If so, then the	

			(Cambodia), Vietnam (and Thailand?).	latter species would take priority from Gates' <i>bahli</i> , but <i>saigonensis</i> Omodeo, 1956: 327 is currently placed in synonymy of <i>M. peguana</i> .	
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>baletai</i>	James, 2004: 292	Mindanao, Philippines.		
<i>Metaphire</i>	<i>baliemensis</i>	(Gates, 1948: 144)	Baliem Camp, Habbema Lake, West Papua.	Non <i>Amyntas baliensis</i> . Similar to <i>A. versteegi</i> (Michaelsen, 1938).	
<i>Amyntas</i>	<i>baliensis</i>	(Michaelsen, 1932)	Bali, Padangombobach, 1100m; Indonesia.		
<i>Metaphire</i>	<i>balingensis</i>	(Gates, 1949: 10)	Perak, Malaysia		Misspelt "baligensis" in Reynolds & Cook, 1976: 75.
<i>Amyntas</i>	<i>balteolatus</i>	(Gates, 1932: 425)	Myanmar and China (Yunnan).		
<i>Planapheretima</i>	<i>bambophila</i>	(Chen, 1946: 86)	Mt Omei, Szechwan.	Dark chestnut colour same as the bamboo stems on which it crawls.	Sometimes misspelt "bambophilia" e.g. Reynolds & Cook (1976: 75).
<i>Amyntas</i> ?	<i>banaensis</i>	(Pham, 1995)	?Vietnam		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Dendropheretima</i> <i>a</i>	<i>banahawensis</i>	James, 2005: 2731	Luzon, Philippines.		<b><i>Type species.</i></b>
<i>Amyntas</i>	<i>banbongensis</i>	(Thai, 1982: 829)	Vietnam.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>bangoianus</i>	(Michaelsen, 1934: 505)	Bangoi, South Vietnam.	Placed in <i>Metaphire bahli</i> by some authors.	
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>barbara barbara</i>	Cognetti, 1913: 302	Mt Hellwig (2,500m - type locality) Guinea.		The name Ph. barabara Cognetti, 1913: 302 was held in synonymy with Ph. hellwigiana Cognetti, 1913: 300 by

Gates (1948: 144) but is here restored on characters noted.

<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>barbara barbigua</i>	Blakemore, 2004: 129	Mt Hellwig (1,000-1,360m - type locality?) and Mt Went (1050m); Irianjaya, West New Guinea.	Said by Cognetti to differ from <i>Ph.</i> ( <i>Ph.</i> ) <i>barbara typica</i> by its tubular diverticulum to copulatory pouch extending through to segment 21 or 23, rather than being coiled and confined to segment 19 (show for <i>Ph. barbara</i> by Cognetti, 1913: fig. 32).	Replacement name for <i>Pheretima</i> ( <i>Parapheretima</i> ) <i>barbara ambigua</i> <i>Cognetti, 1913: 302</i> [non <i>Pheretima</i> <i>ambigua</i> Cognetti, 1906]; misspelt "barbar ambigua" in Reynolds & Cook (1976: 68).		<b>Replacement name.</b>
<i>Metaphire</i>	<i>baruana</i>	(Stephenson, 1932: 209)	From Kota Bharu, NE Malaysia.	Linked to <i>M. malayana</i> , <i>M.</i> <i>evansi</i> , ? <i>M. bipora</i> and <i>M.</i> <i>pulauensis</i> .	New name for specimens described as <i>P.</i> <i>bosschae</i> by Beddard (1900), non Horst, 1893 (= <i>P. darnleiensis</i> ). Cf. <i>M.</i> <i>malayana</i> .		<b>Species inquirenda.</b>
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>baungonensis</i>	James, 2004: 303	Mindanao, Philippines.	Cf. <i>P. vinicipora</i> .			
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>beaufortii</i> <i>apotrema</i>	Cognetti, 1913: 297	Etna Bay, Irian Jaya, West New Guinea.				
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>beaufortii</i> <i>beaufortii</i>	Cognetti, 1911: 3	Aba (Type locality); Wilhelmina summit, near Habbema Lake, West Papua.				
<i>Amyntas</i>	<i>bellatulus</i>	(Gates, 1932: 427)	Myanmar, China, and Vietnam.				
<i>Amyntas</i>	<i>benhami</i>	(Ude, 1932: 174)	Lombok, Indonesia.				
<i>Amyntas</i>	<i>benignus</i>	(Chen, 1946: 101)	Szechuan.		[Chen (1946: 101) has an incorrect		<b>Emend.</b>

original spelling as "BENIGMA" for this taxon, but Plate IV has "benigna" meaning "benevolent or merciful" with which he derived its name. According to ICZN (1999: Art. 32.5, 33), the name "benigna" is valid and "benigma" is not. Reynolds & Cook (1976: 77; 1981: 30) list this taxon as "benignus" and "benigma"].

<i>Metaphire</i>	<i>berhalana</i>	(Stephenson, 1930: Pulau Berhala Island, Straits of Malaccas, Indonesia. 1)
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>bernhardi</i>	(Gates, 1948: 149) Bernhard Camp, West Papua.
<i>Metaphire</i>	<i>bianensis</i>	(Stephenson, 1931: Lang Bian Peaks (2,000m), Annam (Southern Vietnam). 58)
<i>Metaphire</i>	<i>bianensis</i> <i>duplofasciata</i>	(Michaelsen, 1934: Lang Bian Peaks (1,500-2,000m), Southern Vietnam. 514)
<i>Pithemera</i>	<i>bicincta</i>	(Perrier, 1875: 1004) Cosmopolitan.
<i>Dendropheretima</i> <i>a</i>	<i>bicolensis</i>	James, 2005: 275 Luzon, Philippines. Ca. 50mm long.
<i>Pleionogaster</i>	<i>bicolensis</i>	James, 2006: 4 Bico, Luzon, Philippines.
<i>Amyntas</i>	<i>biconcavus</i>	Quan and Zhong, Hainan.

[?P. vilolacea].

***Type species.***

		1989: 273			
<i>Polypheretima</i>	<i>bifaria</i>	(Michaelsen, 1924: 18)	Doormanpad-bivak, West Papua New Guinea (syntype of <i>bifaria bifaria</i> ) (?and Kobroor-Kepulauan Aru Is., Indonesia); Panarana-del, West Papua (holotype of of <i>bifaria wirzi</i> ).	Sometimes dated "1923".	? <i>Pheretima polytheca aruensis</i> Michaelsen, 1910: 252; <i>Pheretima bifaria wirzi</i> Michaelsen, 1938: 171 (name sometimes misspelt "wizzi" e.g. by Reynolds & Cook, 1976: 190); <i>Pheretima (Polypheretima) bifaria typica</i> Michaelsen, 1938 (1924: 18?). [These synonyms from Easton (1979: 41, 49)].
<i>Amynthas</i>	<i>bifidus</i>	(Gates, 1937: 310)	Solomons.		
<i>Metaphire</i>	<i>bifoliolare</i>	Tan and Zhong, 1987: 129	Hunan, China.		
<i>Metaphire</i>	<i>biforatum</i>	Tan and Zhong, 1987: 128	Hunan, China.		
<i>Metaphire</i>	<i>bindjeyensis</i>	(Michaelsen, 1899: 94)	Sumatra (Bindjey Estate)	Cf. <i>P. philippina</i> in which Beddard (1900a:616) placed it as a synonym, but Sims & Easton (1972) maintain the two taxa separately in different genera, as here. Sometimes miscited as Michaelsen, 1934.	<b>Species inquirenda.</b>
<i>Metaphire</i>	<i>binhgiaensis</i>	(Le, in Do, Le and Tran, 1994: 22)	Vietnam.	Sometimes authors quoted name as " <i>binghiaensis</i> " and as "Do Van Nhuong et al., 1994".	<b>Comb. nov.; Species inquirenda.</b>
<i>Amynthas</i>	<i>binoculatus</i>	Tsai <i>et al.</i> , in Tsai, C.-F., Shen, and	Taiwan.		



		Tsai, S.-C., 1999: 41.			
<i>Metaphire</i>	<i>bipora</i>	(Beddard, 1900: 908)	Myanmar, Thailand, Malaysia and Singapore.	The synonymy from Gates (1972: 171) may be questioned.	<i>Pheretima annandalei</i> Stephenson, 1917: 386; <i>Pheretima gemella</i> Gates, 1931: 379; <i>Pheretima balingensis</i> Gates, 1949: 10; <i>Pheretima flocellana</i> Gates, 1949: 15.
<i>Metaphire</i>	<i>birmanica</i>	(Rosa, 1888: 164)	Myanmar, China (Yunnan), India (Himalayas), Vietnam and Laos.	Gates (1972: 173) and Julka (1988: 20) have manicate caeca. Sometimes misspelt "birmannica".	
<i>Amyntas</i>	<i>bisemicircularis</i>	(Ding, Rui-Hua, 1985: 354)	Sichuan, China.	Sometimes author quoted as "Rhiu-Hua". Placed in <i>Amyntas</i> by Zhong & Qiu (1992: 40).	
<i>Metaphire</i>	<i>bitheca</i>	(Kobayashi, 1938)	Korea.		
<i>Amyntas</i>	<i>bleckwenni</i>	(Ude, 1925: 107)	Borneo, Sarawak/Brunei (Mt Murud).		
<i>Amyntas</i>	<i>bonthainensis</i>	(Benham, 1896: 437)	Celebes.	Sims & Easton, 1972: 191 inspected holotype and say intestinal caeca 'multiple' (= manicate). Michaelsen (1900: 277) had it a sub-species of <i>A. jampeanus</i> .	
<i>Amyntas</i>	<i>bournei</i>	(Rosa, 1890: 110)	Karen Hills, Myanmar and Vietnam.		Probably a synonym of <i>A. gracilis</i> . <b><i>Species inquirenda.</i></b>
<i>Amyntas</i>	<i>brevicapitatus</i>	(Thai, 1984: 1324)	Vietnam	Correction of misspelt "bravicapitata" Thai, 1984: 1324, cf. Fig. 3 "brevicapitata".	<b><i>Corr., et Comb. nov.; Species inquirenda.</i></b>
<i>Amyntas</i>	<i>brevicinctus</i>	(Gates, 1958: 3)	Guadalcanal, Solomons.	Non <i>A. brevicingulus</i> (Chen, 1938).	
<i>Amyntas</i>	<i>brevicingulus</i>	(Chen, 1938: 401)	Hainan.	Sometimes misdated "1939".	
<i>Amyntas</i> ?	<i>breviclitellatus</i>	(Do et Tran, 1995)	Vietnam		<b><i>Comb. nov.;</i></b>

		in Do, Tran et Le, 1995: 92)			<b><i>Species inquirenda. Comb. nov.</i></b>
<i>Metaphire</i>	<i>brevipenis</i>	(Qiu & Wen, 1988: 340)	Guizhou, China.	Miscited by Qiu & Bouche (1998: 97) as "(Qiu, 1988)".	
<i>Amynthas</i>	<i>breviphonicus</i>	Qiu & Bouche, 1998: 97	China?	Name cited by Qiu & Bouche (1998: 97) as "sp. nov."; possibly a nomen nudum.	<b><i>Species inquirenda. Nomen nudum?</i></b>
<i>Polypheretima</i>	<i>brevis</i>	(Rosa, 1898: 283 or 288)	Christmas Is, near Java, and Tonga.	Sims & Easton, 1972: 191 inspected type and say intestinal caeca absent. Easton (1984) says similar to <i>Po. bifaria</i> .	
<i>Metaphire</i>	<i>brinchangensis</i>	(Stephenson, 1932: 42)	Cameron Highlands, Malaysia.		
<i>Pheretima</i>	<i>browni</i>	Gates, 1931: 372	-	Mistakenly cited by Sims & Easton (1972: 238) and Reynolds & Cook (1976: 82) as a homonym of <i>P. browni</i> Stephenson, 1912 [and <i>P. molesta</i> Gates, 1932 that is claimed as its "nom. nov." by these authors, is in fact a "sp. nov." (= <i>M. californica</i> )].	<b><i>Nomen nudum.</i></b>
<i>Pheretima</i>	<i>browni</i> <i>yunnanensis</i>	Stephenson, 1912: 274	-	Cited thus by Reynolds & Cook (1981: 35) after earlier citation by Reynolds & Cook (1976: 191); cf.	<b><i>Nomen nudum.</i></b>

*Pheretima divergens yunnanensis*

Stephenson, 1912 (= *Amyntas corticis*).

<i>Metaphire</i>	<i>bryoni</i>	(Michaelsen in Michaelsen and Boldt, 1932: 618)	Sunda Islands, Bali, Ljernanpeh, Batur Volcano (according to Hari Nugroho, pers. comm.), Indonesia.	
<i>Amyntas</i>	<i>bubonis</i>	Hong & James, 2001	Korea.	
<i>Metaphire</i>	<i>bucculenta</i>	(Gates, 1935: 7)	Szechuan (and reported from Laos).	<i>Pheretima fangi</i> Chen, 1936: 275; <i>Pheretima bipapillata</i> Chen, 1936 [non <i>P. bipapillata</i> Ude, 1905 (= <i>Pithemera pacifica</i> (Beddard, 1899))]. These synonyms from Chen (1946: 136) also claimed by Chen, Q. and Feng, X. (1996).
<i>Metapheretima</i>	<i>buckerfieldi</i>	Lee, 1981: 552	Vanuatu.	Nakamura (1999) has this by mistake in <i>Polypheretima</i> . Cf. <i>Me. trukensis</i> .
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>buentei</i>	(Ude, 1924: 82)	New Guinea	Provisionally placed in this genus, rather than in <i>Pithemera</i> by Sims & Easton (1972: 203). Cf. <i>P. alkmaarica</i> .
<i>Amyntas</i>	<i>buitendijki</i>	(Michaelsen, 1922: 45)	Indonesia.	
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>bukidnonensis</i>	James, 2004: 294	Mindanao, Philippines.	Cf. <i>P. heaneyi</i> .
<i>Metapheretima</i>	<i>bulmeri</i>	(Gates, 1970: 386)	Papua New Guinea.	GM papillae absent (cf. <i>sibogae</i> ).
<i>Pleionogaster</i>	<i>bulusanensis</i>	James, 2006: 5	Bulusan, Luzon, Philippines.	

<i>Metaphire</i>	<i>bununa bununa</i>	Tsai <i>et al.</i> , 2000: 1736 in Tsai, C.-F., Tsai, S.-C., and Liaw, 2000.	Taiwan		Published as <i>M. bununa typica</i> ; <i>M. bunuma</i> Tsai <i>et al.</i> , 2000: 287 nomen nudum (or lapsus).
<i>Metaphire</i>	<i>bununa glareosus</i>	Tsai <i>et al.</i> , 2000: 1738 in Tsai, C.-F., Tsai, S.-C., and Liaw, 2000.	Taiwan		Originally published as <i>M. bununa glareosus</i> here corrected to <i>glareosa</i> .
<i>Metaphire</i>	<i>burchardi</i>	(Michaelsen, 1899: 88)	Sumatra (Bindjey Estate)	Male pores on penes qualifies it for <i>Metaphire</i> .	<b>Comb. nov.</b>
<i>Metaphire</i> ?	<i>burchardi favosus</i>	(Rosa, 1901)	Malay peninsula.	If male pores on penes it would qualify for <i>Metaphire</i> .	<b>Comb. nov.;</b> <b>Species</b> <b>inquirenda.</b>
<i>Perichaeta</i>	<i>burliarensis</i>	Bourne, 1886: 667	Nilgiri, South India.		Possibly in synonymy of <i>A. rodericensis</i> according to Michaelsen. <b>Species inquirenda.</b>
<i>Metaphire</i>	<i>caducichaeta</i>	(Benham, 1895: 47)	Java. Indonesia.		Possibly a synonym of <i>M. javanica</i> . <b>Species inquirenda.</b>
<i>Metaphire</i>	<i>cai</i>	(Michaelsen, 1916: 14)	Java. Indonesia (Pangarano at 1,000m).		Originally as <i>P. inflata cai</i> subspecies - here elevated to specific status; note that <i>Perichaeta inflata</i> Horst, 1893 is now a junior synonym of <i>M. javanica</i> . <b>Comb. nov.</b>
<i>Metaphire</i>	<i>californica</i>	(Kinberg, 1867: 102)	Cosmopolitan.	Similar, if not senior synonym, to <i>M. javanica</i> . <i>M. sandviciensis</i> is	<i>Perichaeta ringeana</i> Michaelsen, 1890; ? <i>Perichaeta sluiteri</i> Horst, 1890: 234 <b>Syn. nov.</b> [I can find no

another probable junior synonym. evidence for nephridia on spermathecal ducts thus provisionally transfer this taxon from Pheretima to Metaphire; furthermore, there is nothing substantial to separate it from *M. californica* or its erstwhile junior synonym, *M. javanica*]; *Perichaeta hesperidum* Beddard, 1892; *Perichaeta guarini* Rosa, 1894; *Pheretima browni* Stephenson, 1912: 273; *Pheretima modesta* Michaelsen, 1927; *Pheretima molesta* Gates, 1932: 420 mistakenly cited as "nom. nov." for the valid taxon *P. browni* Stephenson, 1912 [Reynolds & Cook (1976: 82, 139) repeated this mistake and further miscite the date as "Gates, 1931: 420"]; ?*Pheretima sakaguchii* Ohfuchi, 1938; *Pheretima "oslifornica"* Gates, 1955: 83; ?*Pheretima sonaiensis* Ohfuchi, 1956.

<i>Pheretima</i> ( <i>Pheretima</i> )	<i>callosa</i>	Gates, 1937: 313	Luzon, Philippines (on mount at 7,000 ft).	Stated to be similar to <i>P. philippina</i> with glands inside cop. chambers but differs in its larger size.	
<i>Amyntas</i>	<i>campanoporophor</i> <i>atus</i>	(Thai, 1982: 825)	Vietnam	Spelt "camanoporophorata" in Reynolds & Cook (1989: 14).	<b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i> ?	<i>campypapillatus</i>	(Thai and Samphon, 1988)	Laos.	This species is also very close to <i>Pheretima lateropapillata</i> Thai et Samphon, 1988 and <i>Pheretima</i> <i>fakhaensis</i> Thai et Samphon, 1988	Originally <i>P. campypapillata</i> ; also misspelt "campypapilata", or "campipapillata" and "campipillata" in reports of parasites by Spiridonov

**Comb. nov.;  
Species  
inquirenda.  
Comb. nov.;  
Species  
inquirenda.**

(1994/5).

<i>Amynthas</i>	<i>canaliculatus</i>	(Gates, 1932)	Myanmar.	See Gates (1972: 175).	
<i>Amynthas</i>	<i>candidus</i>	(Goto & Hatai, 1898: 77)	Taiwan	Extinct or poorly described?	
<i>Pleionogaster</i>	<i>caramoanensis</i>	James, 2006: 11	Caramoan, Luzon, Philippines.		
<i>Amynthas</i>	<i>carinensis</i> <i>carinensis</i>	(Rosa, 1890: 107)	Karen Hills, Myanmar (and Laos).		<i>Pheretima pinguis</i> Gates, 1930: 319; <i>Pheretima carinensis pinguis</i> : Gates, 1932: 451; this synonym from Gates (1972: 176).
<i>Amynthas</i>	<i>carinensis motus</i>	(Gates, 1932: 449)	Myanmar.		Gates (1972: 176) makes no mention of this 'variety' but includes its characteristics in <i>carinensis</i> which may therefore be the senior synonym.
<i>Amynthas</i>	<i>carinensis sectilis</i>	(Gates, 1932: 450)	Myanmar.		Gates (1972: 176) makes no mention of this 'variety' but includes its characteristics in <i>carinensis</i> which may therefore be the senior synonym.
<i>Amynthas</i>	<i>carinensis varus</i>	(Gates, 1933: 522)	Myanmar.		This taxon appears to have been overlooked or ignored; it was originally described as a variety of <i>P. carinensis</i> for which it may be a synonym. <b>Comb. nov.; Species inquirenda.</b>
<i>Amynthas</i>	<i>carnosus carnosus</i>	(Goto and Hatai, 1899: 15)	Japan, Korea, China, Vietnam.	Previously placed in synonymy of <i>A. corticis</i> but erroneously put in <i>A. hawayanus</i> group by Sims & Easton (1972: 235). Cf. <i>A. corticis</i> , <i>A. nanshenensis</i> , <i>A. penpuensis</i> .	? <i>Pheretima pingi</i> Stephenson, 1925: 891; <i>Pheretima kyamikia</i> Kobayashi, 1934: 1; <i>Amynthas youngtai</i> Hong and James, 2001; <i>Amynthas sangyeoli</i> Hong and James, 2001.

<i>Amynthas</i>	<i>carneus</i>	Wang & Qiu, 2005: Xingdou Mountain Reserve, Hubei.		<b><i>Species inquirenda.</i></b>
	<i>lichuanensis</i>	24		
<i>Metapheretima</i>	<i>carolinensis</i>	(Michaelsen, 1910: Caroline Islands.	<i>Pheretima garama</i> Gates, 1958: 8.	
		105)		
<i>Amynthas</i>	<i>castaneus</i>	Michaelsen, 1899: Matinang, North Celebes; Indonesia.		
		56		
<i>Pheretima</i>	<i>castilloi</i>	James <i>et al.</i> in Mt Arayat, Luzon, Philippines		
		James, Hong and		
		Kim, 2004		
<i>Pleionogaster</i>	<i>castilloi</i>	James, 2006: 10	Tiwi, Luzon, Philippines.	
<i>Amynthas</i> ?	<i>catbaensis</i>	(Thai et Le, 1993: Vietnam, Catba island	Parasitic nematodes can be found.	<b><i>Comb. nov.; Species inquirenda.</i></b>
		33)		
<i>Amynthas</i>	<i>catenus</i>	Tsai <i>et al.</i> in Tsai Mt Hohuan, Taiwan.		<b><i>Species inquirenda.</i></b>
		C.-F., Shen, and		
		Tsai, S.-C., 2001:		
		279		
<i>Amynthas</i>	<i>caudanus</i>	(Michaelsen, 1934: Cauda by Nhatrang, South Vietnam.		
		531)		
<i>Planapheretima</i>	<i>celebensis</i>	(Michaelsen, 1899: Takalekadjo range, Central Celebes, Indonesia.		
		32)		
<i>Pheretima</i>	<i>ceramensis</i>	Cognetti, 1922: 1	Ceram, Moluccas, Indonesia.	
( <i>Pheretima</i> )				

<i>Amynthas</i>	<i>chaishanensis</i>	James <i>et al.</i> in James, Shih and Chang, , 2005: 1007	Taiwan.	Possibly a synonym of <i>M. formosae</i> according to Tsai and Shen (pers. comm.).	
<i>Metaphire</i>	<i>chaubinhensis</i>	(Do and Tran in Do, Le, and Tran, 1994: 23)	Vietnam	Sometimes species name as "caubinhensis" and authors as "Do Van Nhuong et al., 1994".	<b>Species inquirenda.</b>
<i>Amynthas</i>	<i>cheni</i>	Qiu <i>et al.</i> , 1994 in Qiu, Wang, H. & Wang, W., 1994: 143	Giuzhou, China.		
<i>Amynthas</i> ?	<i>choanus</i>	(Thai and Samphon, 1988: 17-18)	Laos	Originally <i>P. choana</i> .	<b>Comb. nov.; Species inquirenda.</b>
<i>Amynthas</i>	<i>choeinus</i>	(Michaelsen, 1927: 85)	Yunnan, China.		
<i>Amynthas</i>	<i>choprai</i>	(Stephenson, 1929: 233)	Myanmar.	Originally <i>P. andersoni choprai</i> . (Mis)spelt "chopari" by Reynolds & Cook (1976: 87).	
<i>Amynthas</i>	<i>chungkingensis</i>	(Chen, 1936: 274)	Chungking, Szechwan.	Originally <i>Pheretima pingi chungkingensis</i> , elevated to species level on the assumption that <i>A. pingi</i> is a synonym of <i>A. carnosus</i> .	
<i>Metaphire</i>	<i>coacervata</i>	Qiu, 1993: 1	Guizhou, China.	Sometimes noted as by "Wang & Qiu, 1993".	
<i>Amynthas</i>	<i>collini</i>	(Ude, 1924: 85)	New Guinea.		
<i>Polypheretima</i>	<i>colonensis</i>	(Thai, 1996: 1)	Vietnam.	Metandric.	<b>Comb. nov.;</b>



***Species  
inquirenda.***

<i>Amynthas</i>	<i>colossus</i>	(Cognetti, 1911: 6)	West Papua New Guinea. Originally claimed as "simple", Sims & Easton (1972: 191) inspected type and say intestinal Mt Resi (Cognetti, 1913). caeca 'multiple' (= manicate).	
<i>Metaphire</i>	<i>communissima</i>	(Goto and Hatai, 1899)	Japan.	<i>Perichaeta sieboldi lenzi</i> Michaelsen, 1899; <i>Perichaeta sieboldii</i> : Goto and Hatai, 1998: 65 (non Horst, 1883); <i>Pheretima florea</i> Ishizuka, 1999.
<i>Amynthas</i>	<i>comptus</i>	(Gates, 1932: 511)	Myanmar and Thailand.	Originally as <i>Pheretima compa</i> ; sometimes misspelt "composita" or "compositus".
<i>Metaphire</i>	<i>conformis</i>	(Ishizuka, 2000)	Japan	<i>Pheretima monticola</i> Ishizuka, 2000 [a permanently invalild name; non <i>Pheretima monticola</i> Beddard, 1912 (= <i>Polypheretima monticola</i> )].
<i>Metaphire ?</i>	<i>conhanungensis</i>	(Thai, 1984: 1319)	Vietnam.	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Metaphire ?</i>	<i>coniporophorata</i>	(Thai and Samphon, 1989: 69)	Laos.	Compared to <i>A. glabrus</i> and <i>A. plantoporophoratus</i> . <b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Planapheretima</i>	<i>continens</i>	(Chen, 1946: 95)	Mt Omei, Szechwan and Vietnam.	
<i>Amynthas</i>	<i>contingens</i>	(Zhong and Ma, 1979: 229)	Sichuan, China.	
<i>Polypheretima</i>	<i>coplandi</i>	Easton, 1979: 62	Papua New Guinea.	
<i>Amynthas</i>	<i>copulatrix</i>	(Michaelsen, 1922:	Sarawak, Kalimantan, Borneo.	

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*Amyntas copulatus*

(Gates, 1937: 315) Solomons (with *P. bifida*).

Non *Amyntas copulatrix*.

*Amyntas corticis*

(Kinberg, 1867: 102) Cosmopolitan. Name often misspelt "corticus" or "cortices".

*Megascolex diffringens* Baird, 1869; ?*Megascolex (Perichaeta) sanctaehelenae* Baird, 1873; *Perichaeta subquadrangula* Grube, 1877 (sometimes misspelt "subquandrangula"); *Megascolex indicus* Horst, 1883: 186 [non *Perichaeta indica* : Horst, 1885: 4 (= *Pheretima darnleiensis*)]; *Perichaeta peregrina* Fletcher, 1887; ?*Perichaeta mirabilis* Bourne, 1887; *Perichaeta heterochaeta* Michaelsen, 1891; (*Perichaeta ijimae* Rosa, 1891)?; *Perichaeta divergens* Michaelsen, 1892; *Perichaeta nipponica* Beddard, 1892; ?*Perichaeta molokaiensis* Beddard, 1896; *Perichaeta heteropoda* Goto & Hatai, 1898; (*Pheretima marenzelleri* Cagnetti, 1906)?; ?*Pheretima silvestrii* Cagnetti, 1909; *Pheretima divergens yunnanensis* Stephenson, 1912; ?*Pheretima pingi* Stephenson, 1925; ?*Pheretima sheni* Chen, 1935; ?*Pheretima directa* Chen, 1935; *Pheretima oyamai* Ohfuchi, 1937; *Pheretima tajiroensis* Ohfuchi, 1938; ?*Pheretima homocheta* Chen, 1938: 414 ["incorrect original spelling" (under ICZN, 1999: Art. 32.5.1.1) as *Pheretima homoseta* was subsequently corrected by

*Amyntas cruratus*

(Chen, 1946: 126) Szechwan.

<i>Metaphire</i>	<i>cruroides</i>	(Chen and Hsü, in China. Chen, Hsü, Yang and Fong, 1975: 93)	Possibly synonymous with <i>M. thecodorsata</i> ? Transferred by Easton (1979: 120).	
<i>Amyntas</i>	<i>culminis</i>	Michaelsen, 1899: 58	Lompobatang, Pic von Bonthain, South Celebes; Indonesia.	
<i>Amyntas</i>	<i>cuneatus</i>	Hong and James, 2001	Korea.	
<i>Amyntas</i> ?	<i>cupreae</i>	(Chen, 1946: 117)	Mt King-Fu, Szechuan & Vietnam (but spermathecae erroneously claimed in 6 & 7).	No information on intestinal caeca, but copulatory pouches absent, possibly <i>Amyntas</i> according to Easton (1979: 117). <b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i> ?	<i>cyclopapillatus</i>	(Thai et Samphon, 1988: 13)	Laos/Vietnam.	Originally <i>P. cyclopapillata</i> . <b>Comb. nov.; Species inquirenda.</b>
<i>Begemius</i> ?	<i>cyclops</i>	(Cognetti, 1911: 1)	North New Guinea.	<b>Species incertae sedis.</b>
<i>Amyntas</i> ?	<i>dackenanus</i>	(Do and Huynh in Thai, Do and Huynh, 1992: 2, fig. C)	Vietnam	Note that their figures are out of sequence but it appears this one has superficial male pores. <b>Comb. nov.; Species inquirenda.</b>
<i>Metaphire</i> ?	<i>dacnomontis</i>	(Thai and Huynh in Thai, Do, and	Vietnam	Note that their figures are out of sequence but it appears this one has copulatory pouches. <b>Comb. nov.; Species</b>

		Huynh, 1992: 2, fig B)				<i>inquirenda.</i>
<i>Amynthas</i>	<i>dactilicus</i>	(Chen, 1946: 106)	Mt Omei, Szechwan.			
<i>Metaphire</i>	<i>dadingmontis</i>	Zhang <i>et al.</i> , 2006 in Zhang, Li, Fu & Qiu, 2006: 249	Mt Dadingshan station of . the Nanling National Natural Reserve, Guangdong, China.			
<i>Amynthas</i>	<i>dageletensis</i>	?	From Korean Island of Dagelet or Utsuryo in the Sea of Japan?	Mentioned in Conference proceedings.	?	<i>Species inquirenda.</i>
<i>Pithemera</i>	<i>dahli</i>	(Ude, 1905: 443)	Ralum, Neu Pommern (= Non New Britain).	<i>P. hahli</i> Ude, 1905.		
<i>Metaphire</i>	<i>dalatana</i>	(Michaelsen, 1934: 533)	Dalat, South Vietnam.			
<i>Amynthas</i>	<i>dammermani</i>	(Michaelsen, 1924: 391)	Krakatau (Krakatoa), W. Java, Indonesia.			
<i>Amynthas</i>	<i>dananganus</i>	(Thai, 1984: 1322)	Vietnam.			<i>Comb. nov.; Species inquirenda.</i>
<i>Amynthas</i>	<i>dancatala</i>	?	China?	Cited by Lu, Y. Jin, R. Wu, Y. Mang, X. (1988) The purification and characterization of fibrinolytic enzymes from <i>Amynthas dancatala</i> .	Presumably if in <i>Amynthas</i> the name would be "dancatalus".	<i>Nomen nudum.</i>

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*Amyntas dangi dangi* (Thai, 1984: 1325) Vietnam (and Laos?).

***Comb. nov.;***  
***Species***  
***inquirenda.***

*Amyntas dangi* (Thai & Tran, 1986: Vietnam.  
*munglonganus* 9)

***Comb. nov.;***  
***Species***  
***inquirenda.***

*Pheretima darnleiensis* (Fletcher, 1886: 966) Cosmopolitan - the  
(*Pheretima*) tropical Indo-Australasian  
archipelago and islands.

No genital markings; 5 pairs of  
spermathecae may be present (Sims  
& Easton, 1972: 262, 268).

*Perichaeta indica*: Horst 1885: 4 (i.e. *Megascolex indicus*  
Horst, 1883 as misdescribed by Horst, 1885); *Perichaeta*  
*vaillanti* Beddard, 1890; *Perichaeta martensi*  
Michaelsen, 1892: 242; *Perichaeta bosschae* Horst, 1893;  
*Perichaeta martensi javana* Michaelsen, 1894;  
*Perichaeta padasensis* Beddard & Fedarb, 1895: 73;  
*Perichaeta eoa* Rosa, 1896; *Perichaeta floweri* Benham  
1897: 217; *Perichaeta madelinae* Benham 1897;  
*Perichaeta belli* Rosa 1898; *Megascolex cingulatus* (part  
cf. *A. robustus*). - Vaillant, 1889:72; *Amyntas*  
*padasensis lokonensis* Michaelsen, 1899: 74; *Amyntas*  
*padasensis madelinae*. - Michaelsen, 1899: 76 [Note:  
Reynolds & Cook (1976: 132) miscite this as  
Michaelsen's species as well as Benham's]; *Pheretima*

*benguetensis* Beddard, 1912: 183; *Pheretima kuchingensis* Stephenson, 1916; *Pheretima borneoensis* Ude, 1925; *Pheretima indica birangi* Michaelsen, 1928. [Name sometimes misspelt "darnleyensis"; Sims & Easton, 1972: 244, 260, 261 mistakenly have the name "martensi javanica" as a junior synonym rather than *mar*

<i>Amynthas</i>	<i>daulis daulis</i>	(Zhong & Ma, 1979: 229)	Sichuan, China.	Sometimes misspelt "dauli".	
<i>Amynthas</i>	<i>daulis fanjinmontis</i>	Qiu, 1992: 1	Guizhou, China.	Often miscited as "dauli fanjinmontis".	<b>Species inquirenda.</b>
<i>Metaphire</i>	<i>dawydovi</i>	(Michaelsen, 1934: 517)	Lang Biang, South Vietnam.		
<i>Metaphire</i>	<i>decipiens</i>	(Beddard, 1912: 180)	Luzon, Philippines.		Most likely a synonym of <i>P. darnleiensis</i> . <b>Species inquirenda.</b>
<i>Amynthas</i>	<i>defectus</i>	(Gates, 1930: 308)	Myanmar.	Spermathecae and prostates lacking in some morphs. The definition of other specimens with manicate caeca is possibly mistaken.	<i>Pheretima jacita</i> Gates, 1931: 391.
<i>Metapheretima</i>	<i>deirdrae</i>	Easton, 1979: 102	Papua New Guinea.		
<i>Metaphire</i>	<i>densipapillata</i>	(Michaelsen, 1896: 227)	Moluccas.		
<i>Amynthas</i>	<i>deogyusanensis</i>	Hong and James, 2001	Korea.		

<i>Amyntas</i>	<i>deonganganus</i>	(Thai, 1984: 1325)	Vietnam.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Pheretima?</i>	<i>dicystis</i>	(Perrier, 1877: 243)	Brazil.		<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>diesmosi</i>	James, 2004: 299	Mindanao, Philippines.	The lack of setae between male pores is not a 'good' character (RJB, pers. obs.).	
<i>Amyntas</i>	<i>digitatus</i>	(Benham, 1896: 432)	Djampeja Island. South of Celebes, Indonesia..	Sims & Easton, 1972: 191 inspected holotype and say intestinal caeca 'multiple' (= manicate). Michaelsen (1900: 277) had it a sub-species of <i>A. jampeanus</i> .	
<i>Amyntas</i>	<i>dignus</i>	(Chen, 1946: 132)	Chungking (Szechwan), Vietnam and Laos.	See <i>A. pauxillulus</i> , <i>A. swanus</i> , and perhaps <i>A. meioglandularus</i> .	
<i>Amyntas</i>	<i>dinghumontis</i>	Zhang <i>et al.</i> , 2006 in Zhang, Li, Fu & Qiu, 2006: 249	Mt. Dinghu, Guangdong, Guangzhou, China..	Cf. <i>A. antefixus</i> (Gates, 1939). If caeca are actually in 25, then differs from <i>Begemius as no</i> crescentic marks around male pores.	
<i>Amyntas ?</i>	<i>dipapillatus</i>	(Do et Tran, 1995 in Do, Tran et Le, 1995: 91)	Vietnam		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>directus</i>	(Chen, 1935: 47)	Hong Kong.	Previously included in <i>A. corticis</i> , this species possibly merits separate status as the genital markings around the male pores are lateral, rather than median. Chen (1935: 51) thought his species close to <i>A. glandulosus</i> (Rosa, 1896) and possibly <i>A. modiglianii</i> .	<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>distichus</i>	(Ishizuka, 2000)	Japan.		
<i>Metaphire</i>	<i>ditheca</i>	(Michaelsen, 1928)	Birang River and Mt	Cf. <i>P. urceolata</i> . Non <i>Perionyx ditheca</i> Stephenson, 1931.	

Tibang, Kalimantan,  
Borneo.

<i>Amyntas</i>	<i>divitopapillatus</i>	(Thai, 1984: 1321)	Vietnam/Laos.	Looks very similar to Chen's figure of <i>P. yamadai</i> .	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>doliarius</i>	(Gates, 1932: 415)	Myanmar.	Probably in synonymy of nominal subspecies as not mentioned by Gates (1972).	
	<i>armillatus</i>				
<i>Amyntas</i>	<i>doliarius doliarius</i>	(Gates, 1931: 374)	Myanmar, China and Laos.	<i>Pheretima referta</i> Gates, 1931: 405 (listed as <i>A. refertus</i> in Sims & Easton (1972: 234); ?[ <i>Pheretima doliaria dolosa</i> Gates, 1932: 416 (non Gates, 1932: 443), provisionally regarded as a synonym by Sims & Easton (1972: 234) in a footnote without justification, possibly to avoid homonymy problem, and completely overlooked by Gates (1972), cf. <i>armillatus</i> , <i>stercorarius</i> ].	
<i>Amyntas</i>	<i>doliarius</i>	(Gates, 1932: 417)	Myanmar.		
	<i>stercorarius</i>				
<i>Pheretima</i>	<i>domosa</i>	Chen, 1946: 102	-	-	<b><i>Nomen</i></b> <b><i>nudum.</i></b>
<i>Amyntas</i> ?	<i>donghaanus</i>	(Pham, 1995: 5)	Vietnam	Originally <i>P. donghaana</i> ; Misspelt "donghaaa".	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i> ?	<i>dongkheanus</i>	(Le, 1995: 50)	Vietnam	Originally <i>P. dongkheana</i> .	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b>



*inquirenda.*

<i>Amynthas</i>	<i>doormani</i>	(Michaelsen, 1924: 20)	Doormanpad bivak, (West) New Guinea.	Sometimes dated "1923".	
<i>Metapheretima</i>	<i>dorii</i>	Easton, 1979: 108	Papua New Guinea.		
<i>Amynthas</i>	<i>dorous</i>	(Michaelsen, 1934: 104)	Posso, Celebes, Indonesia.	Native name "Doroa".	
<i>Metaphire</i>	<i>dorsalis</i>	(Michaelsen, 1928: 52)	Mt Poi (1,300-1,650m), Sarawak, Borneo.		
<i>Metaphire</i> ?	<i>dorsobitheca</i>	(Thai and Huynh in Thai, Do and Huynh, 1992: 3)	Vietnam	This species is very close to <i>Metaphire</i> (?) <i>dorsomonotheca</i> (Thai et Samphon, 1988)	<b>Comb. nov.;</b> <b>Species inquirenda.</b>
<i>Metaphire</i> ?	<i>dorsomonotheca</i>	(Thai et Samphon, 1988: 10)	Laos	Cf. <i>P. alluxoides</i> , <i>P. choana</i> .	<b>Species inquirenda</b>
<i>Amynthas</i> ?	<i>dorsomorrisi</i>	(Do et Tran, 1995: 89)	Vietnam in Do, Tran et Le,		<b>Comb. nov.;</b> <b>Species inquirenda.</b>
<i>Amynthas</i>	<i>draconis</i>	Hong and James, 2001	Korea.		
<i>Amynthas</i> ?	<i>dranfocanus</i>	(Do et Huynh, 1993: 12)	Vietnam in Thai, Do et Huynh, 1993: 12)	Originally <i>P. dranfocana</i> ; also spelt "Ph. dranforana"	<b>Species inquirenda</b>
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>dubia</i>	(Horst, 1893: 68)	Sumatra.	Non <i>Perichaeta dubia</i> Spencer, 1893 (= <i>Diporochaeta dubia</i> ).	

<i>Metaphire</i>	<i>duliti</i>	(Ude, 1925: 108)	Borneo (Sarawak/Brunei Mt Dulit).	
<i>Metaphire</i>	<i>dunckeri</i>	(Michaelsen, 1902/3)	Malaysia.	
<i>Amynthas</i>	<i>duplicoecus</i>	(Thai, 1982: 822)	Vietnam.	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Amynthas ?</i>	<i>duplidiverticulatus</i>	(Thai et Samphon, 1988: 10)	Laos.	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Metapheretima</i>	<i>durendali</i>	Easton, 1979: 105	Papua New Guinea.	
<i>Amynthas ?</i>	<i>ealopanus</i>	(Do et Huynh, 1993 in Thai, Do et Huynh, 1993: 12)	Vietnam	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Metaphire ?</i>	<i>easupana</i>	(Thai et Huynh, 1993 in Thai, Do et Huynh, 1993: 14)	Vietnam	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Amynthas</i>	<i>editus editus</i>	(Chen, 1946: 94)	Mt Omei, Szechwan.	
<i>Amynthas</i>	<i>editus honguanus</i>	(Thai and Samphon, 1988: 20)	Laos.	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Polypheretima</i>	<i>elberti</i>	(Ude, 1932: 175)	Lombok.	
<i>Pithemera</i>	<i>eldoni</i>	(Gates, 1975: 6)	Papua New Guinea. Long Island near beach.	
<i>Metaphire</i>	<i>elegana</i>	(Qiu & Wang,	Guizhou, China. Sometimes quoted as "elegans", "elegansis" or "eleganis"; cited by Qiu &	<b><i>Comb. nov.</i></b>

		1991: 220)		Bouche (1998: 86) as " <i>A. elegans</i> Qiu & Wang, 1991" (sic.). Reynolds & Cook (1992: 14) have " <i>Amyntas elegans</i> Qiu, Hong et Wei, 1991: 220"; James (2004: 306) has " <i>A. elegans</i> (Qiu & Wang, 1992)". Sometimes quoted as "Qiu and Wang, 1992: 262". Correct original was " <i>Amyntas elegans</i> Qiu & Wang, 1991" according to J.-P. Qiu (pers. comm).
<i>Amyntas</i>	<i>ellipticus</i>	(Ishizuka, 1999)	Japan.	
<i>Polypheretima</i>	<i>elongata</i>	(Perrier, 1872: 124)	Cosmopolitan	Sims & Easton (1972: 252) and Easton (1976) established a "Metapheretima elongata species-complex" that Easton (1979: 55) relists as a " <i>Polypheretima elongata</i> species-complex.
				<i>Perichaeta biserialis</i> Perrier, 1875: 1044; <i>Perichaeta acystis</i> Beddard, 1895:423 [nom. nov. pro <i>biserialis</i> : Beddard, 1890 (non Perrier, 1872)]; <i>Perichaeta monocystis</i> Horst, 1899:202 (lapsus pro <i>acystis</i> Beddard, 1895); <i>Pheretima aelongata</i> Gates, 1926: 444 (misspelling or illegal emendation).
<i>Metapheretima</i>	<i>elrondi</i>	Easton, 1979: 93	Papua New Guinea.	
<i>Amyntas</i>	<i>eltoni</i>	Lee, 1981: 546	Vanuatu.	
<i>Amyntas</i>	<i>elutus</i>	(Gates, 1936: 99)	Pahang, Malaysia.	
<i>Amyntas</i>	<i>enganensis</i>	(Rosa, 1892: 546)	Sunda Island.	
	<i>enganensis</i>			
<i>Amyntas</i>	<i>enganensis tetrus</i>	(Rosa, 1892: 548)	Sunda Island.	
<i>Amyntas</i>	<i>enkyokuanus</i>	(Ohfuchi, 1951: 60)	Sansei, China.	
<i>Amyntas</i>	<i>ephippiatus</i>	Hong and Lee, 2001: 286	Mt Gata, Korea.	Possibly in synonymy of <i>A. songnisanensis</i> .
<i>Metaphire</i>	<i>erici</i>	(Ude, 1925: 106)	Ludu, Borneo (Sarawak)	
<i>Metapheretima</i>	<i>erromangae</i>	Lee, 1981: 553	Vanuatu.	Nakamura (1999) has this by mistake in <i>Polypheretima</i> .

<i>Amyntas</i>	<i>esafatae</i>	(Beddard, 1899: 187)	Pacific.	
<i>Amyntas</i>	<i>evansi</i>	Beddard, 1900: 907	Malaysia, Thailand and Myanmar.	The inclusion of this taxon in <i>malayana</i> according to Gates (1972) is clearly a mistake as it is distinct in its genital markings and superficial male pores. The date reference is sometimes mistakenly given as "Beddard, 1901: 907" e.g. by Gates (1939: 87).
<i>Polypheretima</i>	<i>everetti</i>	(Beddard and Fedarb, 1895: 69)	Balbac Island, Palawan (Philippines - type locality by Easton, 1976: 43), Borneo (Mt Kinabalu 12,100 up to 2,400m, cf. <i>Po. kinabaluensis</i> ), Indonesia (Lombok), Celebes (N and W).	Attributed to Beddard & Fedarb, although Beddard (1895: 429) later described it as "new species". Cf. <i>Perichaeta sarawakensis</i> , <i>stelleri</i> .  <i>Perichaeta papillata</i> Beddard and Fedarb, 1895: 70, 71; <i>Perichaeta sarawacensis</i> Beddard and Fedarb, 1895: 71; ? <i>Perichaeta barami</i> Michaelsen, 1896; <i>Amyntas stelleri seriatus</i> Michaelsen, 1899: 44 (originally spelt <i>seriata</i> ); ? <i>Amyntas stelleri klabatensis</i> Michaelsen, 1899: 46; ? <i>Amyntas stelleri bonensis</i> Michaelsen, 1899: 45; <i>Pheretima stelleri mahakkami</i> Michaelsen, 1910: 109; <i>Pheretima stelleri mahakkami</i> Michaelsen, 1922: 25; <i>Pheretima (Pheretima) beranensis</i> Michaelsen, 1928; <i>Pheretima (Pheretima) baritoensis</i> Michaelsen, 1932:9; <i>Pheretima (Polypheretima) beranensis tinjarana</i> Michaelsen, 1934: 25. [These synonyms from Easton, 1976: 41].
<i>Metapheretima</i>	<i>excalaberi</i>	Easton, 1979: 104	Papua New Guinea.	
<i>Amyntas</i>	<i>exiguus</i>	Tsai <i>et al.</i> in Tsai C.-F., Shen, and Tsai, S.-C., 2001: 277	Mt Hohuan, Taiwan.	

<i>Amyntas</i>	<i>exiguus austrinus</i>	(Gates, 1932: 514)	Myanmar, Thailand and Vietnam.	Sometimes dated "Gates, 1933"; citation by Reynolds & Cook (1976: 74) of <i>Perichaeta austrina</i> Fletcher, 1886 in <i>Amyntas</i> is a mistake.		
<i>Amyntas</i>	<i>exiguus chomontis</i>	(Thai et Samphon, 1988: 18)	Laos.		<b>Species inquirenda.</b>	
<i>Amyntas</i>	<i>exiguus exiguus</i>	(Gates, 1930: 310)	Myanmar, Thailand, (?and Laos).		<i>Pheretima exigua</i> nom nov. pro. <i>Amyntas minuta</i> Beddard, 1900/1 (= <i>Po. polytheca</i> ).	
<i>Amyntas</i>	<i>exiguus taybacanus</i>	(Thai, 1984: 616)	Vietnam.	?	?	<b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i>	<i>exilis</i>	(Zhong and Ma, 1979: 228)	Sichuan, China.		[Non <i>exilis</i> Gates].	
<i>Metaphire</i>	<i>exilis</i>	(Gates, 1935: 7)	Suifu, Szechuan and Vietnam.			
<i>Amyntas</i>	<i>exilisarius exilisarius</i>	(Thai, 1984: 286)	Vietnam			<b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i>	<i>exilisarius ngheanae</i>	(Do and Tran in Do, Le and Tran, 1994: 23)	Vietnam	?	Originally <i>Pheretima exilisaria ngheanae</i> also (misspelt) " <i>exilisaria nagarnea</i> ".	<b>Comb. nov.; Species inquirenda.</b>
<i>Metaphire</i>	<i>exiloides</i>	(Chen, 1936)	Szechuan.	Non <i>exiloides</i> : Ohfuchi, 1956 (= <i>A. morrisi</i> ).		
<i>Metaphire</i>	<i>extraopapillae</i>	Wang & Qiu, 2005: 26	Hubei, China.	?	?	?
<i>Amyntas</i>	<i>facetus</i>	(Gates, 1932: 422)	North Andaman Islands (reports from Truk by	Ohfuchi (1941) consistently misspelt the name " <i>faseta</i> ", but his specimens were a different taxon (Gates, 1972: 185).		

Ohfuchi are mistaken).

<i>Polypheretima</i>	<i>fakfakensis</i>	(Cognetti, 1908: 1)	Fakfak, West Papua (type locality); Misool Island-West and Vogelkop-West Papua New Guinea.		
<i>Amyntas</i> ?	<i>faknaensis</i>	(Thai et Samphon, 1988: 5)	Laos	Sometimes misspelt "P. fakhaensis". ?	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>falcata</i>	(Horst, 1893: 316)	Indonesia, Sunda Islands: Sikka, East Flores (type locality); Sebesi Island.		
<i>Amyntas</i>	<i>falcipapillatus</i>	(Thai, 1982: 826)	Vietnam.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>fasciata</i>	(Rosa, 1892: 543)	Sunda Island, Engano.	Possibly joining <i>P. capensis</i> as a junior synonym of <i>Metaphire javanica</i> .	Previously a sub-species of <i>P. capensis</i> . <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>fasciculus</i>	Qiu <i>et al.</i> , 1993 in Qiu, Wang, H. & Wang, W., 1993: 407	Guizhou, China.	Sometimes cited as just "Qui and Wang" and "1992" or "1994" and cited by Qiu & Bouche (1998: 86, 97) as either "Qiu & Wang, 1993" or just "Qiu, 1993", with the name miscited as "fascilus" or "fasiculus". Current citation correct according to Qiu (pers. comm.).	
<i>Amyntas</i>	<i>feae</i>	(Rosa, 1888: 161)	Myanmar and adjacent countries.	Sometimes misspelt "feai" although named after "signor L . Fea", Rosa (1888: 161, 167) spelt the name "feae".	
<i>Metaphire</i>	<i>fejani</i>	Chang & Chen, 2004: 219	Taiwan.		
<i>Amyntas</i>	<i>fenestrus</i>	Shen <i>et al.</i> , 2003: 487 in Shen, Tsai C.-F., and Tsai,	Taiwan.	Similar to <i>A. tantulus</i> .	

S.-C., 2003.

<i>Metaphire</i>	<i>ferdinandi</i>	(Michaelsen, 1891: 38)	Moluccas, Sangir.	Beddard (1900) states Michaelsen's page number as "336".	
<i>Metaphire</i>	<i>ferion</i>	(Cognetti, 1913: 298)	River Noord (= Lorentz), West New Guinea.	Possibly in <i>Pheretima</i> if nephridia determined on spermathecal ducts.	
<i>Amyntas</i>	<i>festivus</i>	(Michaelsen, 1922: 37)	Mt Tibang, Pajan River, Kalimantan, Borneo.		
<i>Metaphire</i>	<i>feuerborni</i>	(Michaelsen in Michaelsen and Boldt, 1932: 605)	Sunda Islands, (or Sudsumartra, Ranau Lakes according to Hari Nugroho, pers. comm.); Indonesia.	Corr. "feurborni"	
<i>Pleionogaster</i>	<i>ffitchae</i>	James, 2006: 6	Mt Isarog, Luzon, Philippines.		
<i>Amyntas</i>	<i>fibulus fibulus</i>	(Kobayashi, 1936)	Korea.	Spermathecal pores sometimes claimed in 6 & 7 near intersegmental furrows.	
<i>Amyntas</i>	<i>fibulus ranunculus</i>	(Kobayashi, 1936)	Korea.	Spermathecal pores sometimes claimed in 6 & 7 near intersegmental furrows. Differs type sp in male pores closer and shaped like tadpoles.	
<i>Polypheretima</i>	<i>fida</i>	(Michaelsen, 1913: 259)	Loyalty Islands, New Caledonia.		
<i>Amyntas</i>	<i>fissiger</i>	Michaelsen, 1899: 67	Lompobatang, Pic von Bonthain, South Celebes; Indonesia.	Originally <i>Amyntas fissiger</i> , Michaelsen (1900: 266) made invalid emendation as <i>Pheretima fissigera</i> and later Sims & Easton (1972: 242) had "fissigerus". Suggested as a synonym of <i>A. halamaherae halamaherae</i> by Beddard (1900a: 630).	
<i>Pheretima?</i>	<i>flabellifera</i>	Cognetti, 1911: 2	Maniheon Geb, West Papua (type locality), and (Easton, 1979: 118); cf. <i>Po. brevis</i> .	Intestine damaged so could not identify caeca but male pores superficial	<b><i>Species incertae sedis.</i></b>

			PNG.		
<i>Metaphire</i>	<i>flavarundoida</i>	(Chen, 1935: 51)	Hong Kong.		
<i>Metaphire</i>	<i>flavellana</i>	(Gates, 1938: 213)	Cameron Highlands, Pahang, Malaysia.		
<i>Amyntas</i>	<i>flavescens</i>	(Goto and Hatai, 1898)	Japan.		<i>Perichaeta producta</i> Goto & Hatai, 1898?; <i>Pheretima houletti bidenryoana</i> Ohfuchi, 1956: 169 [names sometimes misspelt as “houletti” and “bidenryoana” or “bidenryoana”]; ? <i>Pheretima leucocirca</i> : Ohfuchi, 1956: 174 [?non Chen, 1933: 262]? [misidentification]; <i>Pheretima noharuzakiensis</i> Ohfuchi, 1956: 175 [name sometimes misspelt as “noharuzakensis”].
<i>Amyntas</i>	<i>flexilis</i>	(Gates, 1935: 7)	Szechuan.		
<i>Metaphire</i>	<i>floresiana</i>	(Michaelsen, 1934: 108)	Flores, Indonesia.		
<i>Amyntas</i>	<i>flustrellus</i>	(Gates, 1949: 19)	Baling, Malaysia.		Cf. <i>A. tertiadamae</i> .
<i>Amyntas</i> ?	<i>fluvialis</i>	(Gates, 1939: 89)	Banks of Mekong River, Thailand side.	Mentioned by Gates (1972: 187; 215) as being similar to <i>A. juliani</i> or less closely to <i>M. posthuma</i> . Sims & Easton (1972: 234) have it is an <i>A. diffringens</i> (= <i>A. corticis</i> ) group. The current author believes it to be a junior synonym of <i>A. mekongianus</i> .	<b>Species inquirenda.</b>
<i>Metaphire</i>	<i>fluvialoides</i>	(Huynh, 1998: 10)	Dak Lak Province, Vietnam	This species belongs to <i>Metaphire posthuma</i> (Vaillant, 1869) – group and is perhaps close to <i>Amyntas fluvialis</i> (Gates, 1939).	<b>Comb. nov.</b>
<i>Amyntas</i> ?	<i>fluxus</i>	(Chen, 1946: 133)	Szechwan.	Semi-aquatic?	<b>Species inquirenda.</b>
<i>Amyntas</i>	<i>fokiensis</i>	(Michaelsen, 1931: 574)	Fukien, China.	Some say publication is by Michaelsen (1931a: 574), but I have seen Michaelsen (1931b: 2)	



		19)		and <i>fokiensis</i> is directly after <i>siemsseni</i> .	
<i>Amyntas</i> ?	<i>forbesi</i>	(Beddard, 1890: 65)	New Guinea, Gt. Bastaard Isle near Flores, and Indonesia (Michaelsen, 1900 although report from Borneo may be mistaken according to Michaelsen).		
<i>Metaphire</i>	<i>fordi</i>	(Michaelsen, 1934: 40)	Long Lejok (1,000m), and Mt Drulit, Sarawak.	Specimens having 4 pairs of spermathecae were excluded by Sims & Easton's (1972: 266) restricted redefinition.	
<i>Metaphire</i>	<i>formosae</i>	(Michaelsen, 1922: 39)	Taiwan	<i>Metaphire yushii</i> is held in synonymy by some.	<b><i>New combination in Metaphire by Chan and Chang (2004)</i></b>
<i>Amyntas</i>	<i>fornicatus</i>	(Gates, 1935: 9)	Tatsienlu, Tibet.	Similar to <i>P. hongkongensis</i> and possibly a synonym of <i>A. pingi</i> and therefore of <i>A. carnosus</i> .	
<i>Amyntas</i>	<i>freesei</i>	(Ude, 1924: 85)	New Guinea.	Misspelt "freessei" in Sims and Easton, 1972: 242.	
<i>Amyntas</i>	<i>fucosus</i>	(Gates, 1933: 526)	Myanmar.		
<i>Amyntas</i>	<i>funginus</i>	(Chen, 1938: 389)	Hainan.		
<i>Amyntas</i>	<i>fuscatus</i>	(Goto and Hatai, 1898)	Japan.		<i>Perichaeta grossa</i> Goto & Hatai, 1898; <i>Perichaeta iizukai</i> Goto & Hatai, 1899; ( <i>Perichaeta shimaensis</i> Goto & Hatai, 1899: 15)?; <i>Pheretima montana</i> : Ishizuka, 1999 (non <i>Pheretima montana</i> Kinberg, 1867: 102); <i>Pheretima atrorubens</i> Ishizuka, 1999; <i>Pheretima alpestris</i> Ishizuka, 1999; <i>Pheretima dura</i> Ishizuka, 1999; <i>Pheretima turgida</i> Ishizuka, 1999; <i>Pheretima argentea</i> Ishizuka, 1999 [misspelt "argentina" in Ishizuka, 2001: 101]; ( <i>Pheretima flavida</i> Ishizuka, 2000)?; ( <i>Pheretima lactea</i> Ishizuka,

2000)?; (*Pheretima mitakensis* Ishizuka, 2000)? [NOTE: under ICZN (1999: Art. 57.2) *Pheretima montana* Ishizuka, 1999 is an objectively and permanently invalid junior primary homonym of *Pheretima montana* Kinberg, 1867, the type species of the genus *Pheretima*. A substitute name is not provided for Ishizuka's taxon as it is considered a synonym (see ICZN, 1999: Art. 60). In some, but not all, distributed reprints of Ishizuka (1999c) the name "montana" is crossed out and another name written in in pen. This does not constitute a pub

<i>Amyntas</i>	<i>gastrizusus</i>	(Michaelsen, 1928: 292)	Idjen, Ongop-ongop, Java (Sumatra, and Sunda?).		
<i>Metaphire</i> ?	<i>gastromonotheca</i>	(Do et Tran, 1995: 91)	Vietnam		<b>Comb. nov.</b>
<i>Polypheretima</i>	<i>gatesi</i>	Easton, 1979: 44	Mt Hagen, Western Highlands, PNG (type locality); Mt Wilhelmina West Papua (also type locality of <i>panarana</i> ).		
<i>Begemius</i>	<i>gavini</i>	Easton, 1982: 717	Torres Strait.		
<i>Amyntas</i>	<i>gegatesi</i>	Blakemore, 2006a: 1	Myanmar and reported from Vietnam.	Spermathecal pores sometimes claimed posteriorly in 5,6,7.	Nom. nov. pro <i>Pheretima dolosa</i> Gates, 1932: 443 [non <i>Pheretima doliaria</i> var. <i>dolosa</i> Gates, 1932: 416 (?= <i>Amyntas doliarius doliarius</i> ). Note: Reynolds & Cook (1976: 95) mistakenly cite <i>P. dolosa</i> Gates, 1932: 443 as a "nom. <b>Replacement name.</b>

nov."].

<i>Amyntas</i>	<i>geojeinsulae</i>	(Song and Paik, 1970: 11)	Korea	Misspelt "geojeisulae" by Easton, 1979: 119.	
<i>Metaphire</i> ?	<i>geomunensis</i>	(Hong and James, 2001: 82)	Korea.		
<i>Amyntas</i>	<i>ghilarovi</i>	(Thai, 1982: 826)	Vietnam		<b>Comb. Nov. Species inquirenda.</b>
<i>Amyntas</i>	<i>gibbosus</i>	(Thai and Samphon, 1990: 11)	Laos.	Also misspelt "gibbosaa".	<b>Comb. Nov.</b>
<i>Metaphire</i>	<i>gjellerupi</i>	(Cognetti, 1914: 358)	Doormanpad Bivak, West Papua.		
<i>Amyntas</i>	<i>glabrus</i>	(Gates, 1932: 395)	Yunnan (China), Myanmar, Japan, and recently reported from Sichuan and Guizhou, China and Vietnam.		<i>Pheretima tenellula</i> Gates, 1932: 398 [sometimes misspelt "tenellulus" e.g. by Sims & Easton (1972: 246)]; <i>Pheretima vieta</i> Gates, 1936: 462; ( <i>Pheretima papilio</i> : Ohfuchi, 1956: 140 [non Gates, 1930] - misidentification). Note: Sims & Easton (1972: 213) have these taxa in an erroneous "youngi-group".
<i>Metapheretima</i>	<i>glamdringi</i>	Easton, 1979: 113	Papua New Guinea.		
<i>Amyntas</i>	<i>glandulosus</i>	(Rosa, 1896: 524)	Sumatra.	Non <i>glandularis</i> Goto & Hatai.	<i>Perichaeta hippocreps</i> Rosa, 1889: 607. [Placed in synonymy by Beddard (1900); Michaelsen (1922) and Chen (1935: 51)].

<i>Amyntas</i>	<i>godeffroyi</i>	Michaelsen, 1899: 17	Fiji.	Placed in <i>Pithemera</i> by some authors (eg. Easton, 1984 cf. Lee, 1981; Blakemore, 2002; 2003).	Originally <i>Amyntas godeffroyi</i> (corr.).	<b><i>Species inquirenda.</i></b>
<i>Amyntas</i>	<i>gomejimensis</i>	(Ohfuchi, 1937)	Japan.			
<i>Amyntas</i>	<i>gongjuensis</i>	Hong & Kim, 2002:485	Mt Gyeryong, S. Korea.	Cited by Csuzdi (2003).	?	<b><i>Species inquirenda.</i></b>
<i>Amyntas</i>	<i>gracilis</i>	(Kinberg, 1867: 102)	Cosmopolitan.	Beddard (1900: 635) has 3 pairs of spermathecae in 6-8 and put <i>kamakurensis</i> , <i>parvula</i> , and <i>decimpapillata</i> in synonymy of <i>A. ijimae</i> (Rosa) that is same as either <i>A. corticis</i> or, more likely, <i>A. gracilis</i>	<i>Perichaeta hawayana</i> Rosa, 1891: 396; <i>Perichaeta bermudensis</i> Beddard, 1892; <i>Perichaeta mandhorensis</i> Michaelsen, 1892: 241; ? <i>Perichaeta ijimae</i> Rosa, 1891 cf. <i>A. corticis</i> ; ? <i>Perichaeta mauritiana</i> Beddard, 1892?; <i>Perichaeta kamakurensis</i> Goto & Hatai, 1898?; <i>Perichaeta parvula</i> Goto & Hatai, 1898? [non Ohfuchi, 1956 (= <i>Metaphire parvula</i> ) nec Ishizuka et al., 2000b (= ' <i>Pheretima</i> ' <i>parlarva</i> Blakemore, 2003)]; <i>Perichaeta decimpapillata</i> Goto & Hatai, 1898? (often misspelt "decempapillata"; <i>Pheretima kagoshimensis</i> Takahashi, 1932?; <i>Pheretima autumnalis</i> Ishizuka, 1999 [misspelt "P. autamunalis" in Ishizuka (2001: 11, 13, 87, 101)].	
<i>Amyntas</i> ?	<i>grandigrandularis</i>	(Do, 1995 in Do, Tran et Le, 1995: 88)	Vietnam			<b><i>Comb. Nov.</i></b>
<i>Amyntas</i>	<i>grandipapillatus</i>	(Thai, 1982: 827)	Vietnam.			<b><i>Comb. nov.; Species</i></b>

<i>Polypheretima</i>	<i>grandisetosa</i>	(Thai, 1996: 3)	Vietnam			<b><i>inquirenda.</i></b> <b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Polypheretima</i>	<i>grata</i>	(Cognetti, 1914: 362)	Sepik River, New Guinea and Mt Wilhemina, West Papua.	Sims & Easton, 1972: 191	inspected type and say intestinal caeca absent.	
<i>Amynthas</i>	<i>gravis</i>	(Chen, 1946: 129)	Chungking (Szechwan).			
<i>Amynthas</i>	<i>gucheonensis</i>	(Song & Paik, 1970: 105)	Korea.		Sometimes misspelt "guchonensis" or "gucheoensis".	
<i>Metaphire</i>	<i>guillelmi</i>	(Michaelsen, 1895: 32)	Hupei, China.	A 'good' species according to Gates (1935) or a synonym of <i>M. houletti</i> by some other accounts e.g. Michaelsen (1900: 273).	<i>P. ichangensis</i> Fang, 1933 [according to Gates (1948: 10), Reynolds & Cook (1981: 32) but sometimes misspelt "inhangensis", e.g. Sims & Easton, 1972: 243; Reynolds & Cook, 1976: 117]; (? <i>P. vulgaris agricola</i> Chen, 1930).	<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>guizhouensis</i>	Qiu <i>et al.</i> in Qiu, Wang & Wei, 1991: 222	Guizou, China.		Sometimes misspelt "guizouensis".	<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amynthas</i>	<i>gyeryongensis</i>	Hong & Kim, 2002:484	Mt Gyeryong, S. Korea.		Cited by Csuzdi (2003).	<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Pheretima</i>	<i>habbimana</i>	Gates, 1948: 151	Habbema Lake, West Papua New Guinea.			

<i>(Pheretima)</i>				
<i>Amyntas</i>	<i>habereri</i>	(Cognetti, 1906)	Japan.	
<i>Amyntas</i>	<i>hagemanni</i>	(Ude, 1925: 104)	Mt Murud, Sarawak, Borneo.	Sometimes misspelt "hogemanni".
<i>Pheretima</i>	<i>hahli</i>	Ude, 1905: 437	Ralum, Neu Pommern (=	Non <i>Pithemera dahli</i> (Ude, 1905).
<i>(Pheretima)</i>			New Britain).	
<i>Amyntas</i>	<i>hainanicus</i>	(Chen, 1938: 396)	Hainan	
<i>Amyntas</i> ?	<i>halconensis</i>	Hong & James, 2004: 729	Halcon, Philippines.	
<i>Amyntas</i>	<i>halmaherae</i>	(Michaelsen, 1896:	Halmahera and Batjan.	
	<i>batjanensis</i>	269)		
<i>Amyntas</i>	<i>halmaherae</i>	(Michaelsen, 1896)	Halmahera Island.	<i>A. h. coecilia</i> : Michaelsen, 1899: 66 ( <i>lapsus</i> ).
	<i>caecilius</i>			
<i>Amyntas</i>	<i>halmaherae</i>	(Michaelsen, 1896)	Halmahera Island.	
	<i>galelensis</i>			
<i>Amyntas</i>	<i>halmaherae</i>	(Michaelsen, 1896)	Halmahera Island.	
	<i>gamsungi</i>			
<i>Amyntas</i>	<i>halmaherae</i>	(Michaelsen, 1896)	Halmahera Island, Moluccas; and from Ralum, Neu Pommern	For the species group, Michaelsen describes the caeca as
	<i>halmaherae</i>		(= New Britain) by Ude, 1905: 462.	"aussackungen" (= out sacking or knobbly?) on the lateral
				side, and sometimes laterally too, with more or less
				long pouches. So may be classed as manicate, or
				pennate.
<i>Amyntas</i>	<i>halmaherae</i>	(Michaelsen, 1896)	Batjan Island.	

	<i>imparicystis</i>			
<i>Amyntas</i>	<i>halmaherae</i>	(Michaelsen, 1896: 220)	Halmahera Island.	
	<i>kauensis</i>			
<i>Metaphire</i>	<i>harrietensis</i>	(Stephenson, 1925: 59)	Mt Harriett South Andaman.	
<i>Planapheretima</i>	<i>hasselti</i>	(Horst, 1883: 190)	Sumatra (Lebang/Lebong), Indonesia; and Mt Dulit 1,100m Sarawak, Malaysia.	Sims & Easton, 1972: 191 inspected <i>Pheretima frondicola</i> Michaelsen, 1934: 17. type and say intestinal caeca absent. Original spelling <i>hasselti</i> rather than "hasseltii".
<i>Metaphire</i>	<i>hataii</i>	(Ohfuchi, 1937: 13)	Japan	Previously included in synonymy of <i>A. agrestis</i> .
<i>Amyntas</i>	<i>hawayana</i>	(Cernosvitov, 1934: 49)	-	As (erroneously) listed by Reynolds & Cook (1976: 75), possibly synonymous <i>Nomen</i> with <i>A. gracilis</i> (cf. Beddard, 1892). Not mentioned by Sims & Easton (1972). <i>nudum?</i>
	<i>barbadensis</i>			
<i>Pheretima</i>	<i>heaneyi</i>	James, 2004: 293	Mindanao, Philippines.	
( <i>Pheretima</i> )				
<i>Amyntas</i>	<i>heaneyi</i>	James, 2004: 306	Mindanao, Philippines.	Non. <i>Pheretima heaneyi</i> .
<i>Pheretima</i>	<i>hellwigiana</i>	Cognetti, 1913: 300	Mt Hellwig (2,500m), Irian Jaya, West New Guinea	Gates (1948: 144) commented on Michaelsen's (1930) suggestion that <i>similar to bithecate alkmaarica</i> ; both occur on Mt Hellwig.
( <i>Parapheretima</i> )				? [ <i>Ph. barbara</i> Cognetti, 1913: 302 [this synonym suggested by Gates (1948: 144), but it seems probable that these taxa are separate].
<i>Amyntas</i>	<i>hendersonianus</i>	(Cognetti, 1914b: 352)	New Guinea	
	<i>coelogaster</i>			

<i>Amyntas</i>	<i>hendersonianus</i>	(Cognetti, 1914a: 255)	Henderson Island (WHA)		
<i>Amyntas</i>	<i>hengchunensis</i>	James <i>et al.</i> , in James, Shih and Chang, 2005: 1007	Taiwan.		Possibly a synonym of <i>A. formosae</i> as acknowledged by the authors (James <i>et al.</i> 2005: 1016).
<i>Amyntas</i>	<i>heshanensis</i>	Zhang <i>et al.</i> , 2006 in Zhang, Li & Qiu, 2006: 395	Guangdong, China.		
<i>Amyntas</i>	<i>heterogens</i>	(Chen and Hsü, in Chen, Hsü, Yang and Fong, 1975: 50)	China		Possibly a junior synonym of <i>A. taipeiensis</i> .
<i>Amyntas</i>	<i>heurni</i>	(Michaelsen, 1924: 23)	Idenburg River, West New Guinea		Name misspelt "heuri" in Sims & Easton, 1972: 213. Sometimes dated "1923".
<i>Amyntas</i>	<i>hexathecus</i>	(Benham, 1897: 440)	South Celebes.		Sims & Easton, 1972: 191 inspected type and say intestinal caeca 'multiple' (= manicate); and on page 236 they note it has only 5 pairs of spermathecae, not 6 pairs as originally claimed by Benham.
<i>Amyntas</i>	<i>hexitus</i>	(Chen, 1946: 100)	Szechuan and Vietnam.		
<i>Amyntas</i>	<i>hibernus</i>	(Ishizuka, 1999)	Japan.	Defective specimen lacking prostates and with abnormal spermathecae.	Misspelt " <i>hiverna</i> " in Ishizuka, 2001: 101 <b><i>Species incertae sedis.</i></b>
<i>Amyntas</i> ?	<i>hiepcatanus</i>	(Do and Tran in Do, Le, and Tran, 1994: 26)	Vietnam		Originally <i>P. hiepcatana</i> ; sometimes authors quoted as "Do Van Nhuong et al., 1994". <b><i>Species inquirenda.</i></b>



<i>Metaphire</i>	<i>hilgendorfi</i>	(Michaelsen, 1892: 235)	Japan, Korea, Russia, and introduced into USA and Vietnam.	Full relationships within this species complex require resolution.	<i>Perichaeta rokugo</i> Beddard, 1892 (published in December); ? <i>Perichaeta schizopora</i> Goto & Hatai, 1898; ? <i>Perichaeta irregularis</i> Goto & Hatai, 1899: 13 [non <i>Perichaeta irregularis</i> Spencer, 1895: 53 (= <i>Perionychella irregularis</i> ), homonym not replaced for reasons noted by Blakemore (2003: 29)]; <i>Perichaeta glandularis</i> Goto & Hatai, 1899: 18.	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Amynthas</i>	<i>himalayanus</i>	(Stephenson, 1925: 893)	Darjeeling, India (7,000 ft).			
<i>Amynthas</i>	<i>hirudinarius</i>	(Gates, 1958: 14)	New Guinea.	Transferred from <i>Planapheretima</i> by Easton (1979: 119).		
<i>Amynthas</i>	<i>hohuanmontis</i>	Tsai <i>et al.</i> in Tsai, C-F., Shen and Tsai, S-C., 2002: 757	Mt Hohuan, Taiwan.	Tsai <i>et al.</i> , 2001: 276 nomen nudum removed by subsequent publication by Tsai <i>et al.</i> , 2002: 757		<b><i>Species inquirenda.</i></b>
<i>Amynthas</i>	<i>homosetus</i>	(Chen, 1938: 315)	Hainan.	Originally <i>Pheretima homoseta</i> and compared to <i>P. heteroseta</i> . "homochaeta" or "homochaetus".	Sometimes misspelt	
<i>Metaphire</i>	<i>honbaensis</i>	(Gates, 1941: 497)	Mount Hon Ba (Nhatrang), South Vietnam.		Nom nov. pro. <i>Pheretima helvola</i> Michaelsen, 1934: 520 (non Ude, 1905); cited as "hobaensis" by Sims & Easton (1972: 238, 243), or Reynolds & Cook (1976: 113), and Easton (1979: 101); or " <i>honbaensis</i> " by	

Reynolds & Cook (1976: 114); [Csuzdi (2003) has either].

<i>Pleionogaster</i>	<i>hongii</i>	James, 2006: 6			
<i>Amyntas</i>	<i>hongkongensis</i>	(Michaelsen, 1910: 107)	China		
<i>Pleionogaster</i>	<i>horsti</i>	(Beddard, 1886: 300)	Philippines (Manilla, etc.) and Moluccas, although Easton (1979: 116) and James (2004: 308) argue that "Ternate, Moluccas, Indonesia" is actually Ternate, Luzon, Philippines.	All synonyms from Easton (1979); Michaelsen (1900: 210) also spelt the name "Plionogaster" (illegal emend.).	<i>Pleionogaster jagori</i> Michaelsen, 1892: 247, fig 26 (of spermatheca); <i>Pleionogaster samariensis</i> Michaelsen, 1892: 248, fig. 27 (of spermatheca); <i>Pleionogaster ternate</i> Michaelsen, 1896 (sometimes misspelt "ternatae"; <i>Pleionogaster sivickisi</i> Stephenson, 1932; Reynolds & Cook (1976: 114) mistakenly ascribe <i>Pl. horsti</i> "Michaelsen, 1896". James (2004: 308) disputes Easton's (1979) synonymy of "the five known <i>Pleionogaster</i> species as <i>Pl. horsti</i> Beddard, 1886".
<i>Metaphire</i>	<i>houletii</i>	(Perrier, 1872: 99)	Cosmopolitan.	Gates (1972: 190, 194) added various parthenogenic morphs to this taxon, reversing his earlier opinions.	? <i>Perichaeta campanulata</i> Rosa, 1890 [this synonymy, doubted by Gates (1932: 377) after inspection of types, was apparently acceptable to Gates (1972: 191)]; <i>Perichaeta udekemi</i> Michaelsen, 1892: 240 [Michaelsen originally cited his species as "Grube (in

litteris)"]; ?*Perichaeta guillelmi* Michaelsen, 1895 - this synonymy by Michaelsen, 1900 doubted by Gates (1935, 1972); *Perichaeta crescentica* Fedarb, 1898: 447 (synonymy suggested by Stephenson, 1923: 305, cf. Michaelsen, 1900); *Amyntas kelantanensis* Beddard, 1900: 903 - this synonymy from Stephenson (1932: 216); *Pheretima wimberleyana* Stephenson, 1925 [name misspelt "wimberlayana" by Sims & Easton (1972: 246) and Reynolds & Cook (1976: 190)]; *Pheretima houletti* var. *tortuosa* Gates, 1926: 454; *Pheretima houletti* var. *rugosa* Gates, 1926a: 157; 1926b: 459; *Pheretima campanulata* var. *penetrans* Gates, 1931: 435; *Pheretima campanulata* var. *meridiana* Gates, 1932: 457; ?*Pheretima yapensis* Ohfuchi, 1941 - this last synonym from Gates (1972: 195) while Gates (1972: 192)

<i>Amyntas</i>	<i>huangi</i>	James et al. in James, Shih and Chang, , 2005: 1007	Taiwan.	Possibly a synonym of <i>M. houletti</i> according to Tsai and Shen (pers. comm.).
<i>Metaphire</i>	<i>hunanensis</i>	Tan & Zhong, 1986: 144	Hunan, China.	Spelt "huanaensis" in Reynolds & Cook (1989: 18).
<i>Polypheretima</i>	<i>huonensis</i>	Easton, 1979: 63	Papua New Guinea.	

<i>Amynthas</i>	<i>hupbonensis</i>	(Stephenson, 1931: Thailand. 61)	Sims & Easton, 1972: 191 put in an <i>Amynthas aeruginosus</i> group and from inspection of type say intestinal caeca 'multiple' (= manicate). However, Stephenson described them with a series of secondary diverticula, 12-13 in number, along the whole extend of the lower edge from base to tip of the primary caecum, those toward the apex short and knob-like becoming larger and conical towards the base and these larger ones with tertiary evaginations. Gates (1972: 196) also says "caeca not manicate" but with vertical lobes from ventral side and some larger ones with tertiary lobing. Both earlier authors note that each male pore is overhung by a papilla that may be everted from a copulatory pouch (i.e. = <i>Metaphire</i> ).	
<i>Amynthas</i>	<i>hupeiensis</i>	(Michaelsen, 1895: Cosmopolitan. 35)	Mispelt "hupiensis" in Easton (1981).	
<i>Metaphire</i>	<i>ignobilis</i>	(Gates, 1935: 11) Szechuan.	Sometimes misspelt "ignoblis".	
<i>Amynthas</i>	<i>illotus</i>	(Gates, 1932: 397) Yunnan, China.	<i>Amynthas illotus</i> species-group sensu Sims & Easton, 1972: 236 [included names: <i>ambiguus</i> (Cognetti, 1906: 782) [non Cognetti, 1913]; <i>assacceus</i> (Chen, 1938: 382) syn. <i>Amynthas asacceus</i> [sic, lapsus]: Tsai et al., 2001: 284 [syn. <i>pusilla</i> Ohfuchi, 1956 (non Ude)]; <i>Pheretima medipusilla</i> Nakamura, 1999: 2 nom. nov. pro <i>Pheretima</i> <i>pusilla</i> Ohfuchi, 1956: 138 [non <i>Perichaeta pusilla</i> Ude, 1893 (=	<i>Cf. A. youngi</i> (Gates, 1932: 406).  <b><i>Species inquirenda.</i></b>

*Amyntas minimus*]. Syn. nov.;  
*Amyntas proasacceus* [sic] Tsai et  
 al., 2001: 282. Syn. nov.] ; *illotus*  
 (Gates, 1932: 397) (?possible H  
 morph syn. of *P. youngi* Gates,  
 1932: 406); *irregularis* (Goto &  
 Hatai, 1899); *pusillus* (Ohfuchi,  
 1956) (non Ude, 1893); *sheni* (Chen,  
 1935); *variens* (Chen, 1938) (part –  
 other components had spermathecal  
 pores in 5/6, or 5/6/7)]; Easton,  
 1981: 53 [included Japanese names:  
*illota*: Ohfuchi, 1956, (non Gates,  
 1932); *pusilla* Ohfuchi, 1956 (non  
 Ude, 1893); and *oyuensis* Ohfuchi,  
 1937].

*Amyntas ?*      *immeritus*      (Gates, 1931: 389)      Myanmar.

Sometimes misspelt "immertus".

***Species***  
***inquirenda.***

*Amyntas*      *imperfectus*      (Ishizuka, 1999)      Japan.

Possibly same as *P. palarva*.

***Species***  
***incertae sedis.***

*Metaphire*      *impudens*      (Michaelsen, 1899: 84)      Southeast Borneo.

*Metaphire*      *incerta*      (Beddard, 1912:      Manilla, Philippines.

[See *Amyntas kanazanus incretus*]. Most likely a synonym of *M. posthuma*.

***Species***

		197)						<i>inquirenda.</i>
<i>Amynthas</i>	<i>inclarus</i>	(Gates, 1932: 439)	Myanmar.	Sims & Easton (1972) place Gate's	<i>Pheretima porrecta</i> Gates, 1932: 444;			<b>Comb. nov.</b>
				<i>inclara</i> in <i>Metaphire</i> but put his	(synonym by Gates, 1936: 422; 1972:			
				<i>porrectus</i> synonym in <i>Amynthas</i> ;	197).			
				also in Gates' descriptions the male				
				pores are described as "minute,				
				superficial" therefor probably				
				qualifying for <i>Amynthas</i> .				
<i>Amynthas</i>	<i>incongruus</i>	(Chen, 1933: 270)	China and Taiwan.					
<i>Amynthas</i>	<i>indica cameroni</i>	Stephenson, 1932:	Malay peninsula.	It is probable that this taxon,	?			<b>Species</b>
		47		originally a sub-species of				<b>inquirenda.</b>
				" <i>Pheretima indica</i> " follows it into				
				synonymy of <i>A. corticis</i> .				
<i>Amynthas</i>	<i>indica ceylonicus</i>	(Michaelsen, 1897:	Sri Lanka.	Probably this taxon, originally a	Michaelsen (1900: 276) has original			<b>Species</b>
		246)		sub-species of <i>Megascolex indicus</i>	name as ceylanensis or ceylonica , the			<b>inquirenda.</b>
				follows it into synonymy of <i>A.</i>	latter of which he accepted as correct.			
				<i>corticis</i> as Stephenson (1923: 302)	Name sometimes misspelt			
				placed it in synonymy of <i>P.</i>	"ceylanensis"e.g. by Reynolds & Cook			
				<i>heterochaeta</i> (= <i>A. corticis</i> ) and also	(1976: 87) or "celonica" e.g. on Bastel			
				noted its variant misspelling of	Museum type materal website.			
				"ceylanensis".				
<i>Metaphire</i>	<i>indigo</i>	(Ohfuchi, 1951: 58)	Sansei, China.	Probably in synonymy of <i>M. sanseiana</i> .				
<i>Amynthas</i>	<i>infantilis</i>	(Chen, 1938: 392)	Hainan.					

<i>Amynthas</i>	<i>infantiloides</i>	(Thai, 1984: 284)	Vietnam.		<b><i>Comb. nov.;</i></b>
					<b><i>Species</i></b>
					<b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>insignis</i>	(Michaelsen, 1921: 14)	Indonesia.	Non <i>Pheretima papilio insignis</i> Gates, 1932 (= <i>Amynthas papilio vespertilio</i> Blakemore, 2006 nom. nov.).	
<i>Amynthas</i>	<i>insulae</i>	(Beddard, 1896: 204)	Hong Kong.		
<i>Metaphire</i>	<i>insulana</i>	(Gates, 1930: 312)	Kala Island, Myanmar.	Non <i>Amynthas insulae</i> (Beddard, 1896).	
<i>Archipheretima</i>	<i>iris</i>	(Michaelsen, 1892: 244)	Samar Is., Philippines.	Large > 200 mm	<b><i>Type species</i></b>
<i>Metaphire</i>	<i>isarogensis</i>	(Hong & James, 2004: 729)	Mt Isarog, Luzon, Philippines?	Have small penes in enlarged prostatic ducts, therefore male pores non-superficial, therefore transferred from <i>Amynthas</i> .	<b><i>Comb. nov.</i></b>
<i>Pleionogaster</i>	<i>isarogensis</i>	James, 2006: 8	Isarog, Luzon, Philippines.		
<i>Metaphire</i>	<i>isselii</i>	(Cognetti, 1908)	Papua New Guinea.		
<i>Amynthas</i>	<i>jacitus</i>	(Gates, 1931: 391)	Myanmar.		
<i>Amynthas</i>	<i>jacobsoni</i>	(Michaelsen, 1922)	Indonesia.		
<i>Begemius</i>	<i>jamiesoni</i>	Easton, 1982: 720	Torres Strait.		
	<i>hornensis</i>				
<i>Begemius</i>	<i>jamiesoni</i>	Easton, 1982: 717	Cape York, Qld.		
	<i>jamiesoni</i>				
<i>Amynthas</i>	<i>jampeanus</i>	Michaelsen, 1899: 64	Posso Lake, Central Celebes; Indonesia.		
	<i>fumigatus</i>				
<i>Amynthas</i>	<i>jampeanus</i>	(Benham, 1896: 64)	Indonesia, Djampeja	Sims & Easton, 1972: 191 inspected type and say intestinal caeca 'multiple' (= manicate).	

	<i>jampeanus</i>	430)	Island, S of Saleyer Is., S of Celebes		
<i>Amyntas</i>	<i>jampeanus</i> <i>tigrinus</i>	Michaelsen, 1899: 66	Maranka on Pic von Maros, South Celebes, Indonesia.		Originally <i>Amyntas jampeanus tigrina</i> .
<i>Amyntas</i>	<i>jangbogoi</i>	Hong and James, 2001	Korea.		
<i>Amyntas</i> ?	<i>jaoi</i>	(Chen, 1946: 112)	Szechuan.		Said to be a leaf-crawler and thus possibly in <i>Planapheretima</i> ?
<i>Amyntas</i> ?	<i>japonicus</i>	(Horst, 1883 : 192; 194)	Japan.		Not subsequently found although seminal grooves are reported for other Ryukyu species (see <i>A. glabrus</i> , <i>M. riukiensis</i> ).
<i>Metaphire</i>	<i>javanica</i>	(Kinberg, 1867: 102)	Cosmopolitan.		Possibly junior synonym of <i>M. californica</i> . <i>Megascolex sumatranus</i> Horst, 1883: 189 (listed as <i>Metaphire sumatrana</i> in Sims & Easton, 1972); <i>Megascolex capensis</i> Horst, 1883: 195; <i>Perichaeta operculata</i> Rosa 1891: 398; <i>Perichaeta inflata</i> Horst, 1893: 327; <i>Perichaeta tenkatei</i> Horst 1893: 321; <i>Perichaeta tjibodae</i> Horst 1893: 326; <i>Perichaeta parva</i> Ude, 1893: 64; <i>Perichaeta sexta</i> Benham 1895: 44. [Non <i>Perichaeta martensi javana</i> Michaelsen, 1894 (= <i>Pheretima darnleiensis</i> (Fletcher, 1887) although Sims & Easton, 1972: 260, 261 misspell the synonym as "M.

**Species  
incertae sedis.  
Type species.**



javanica")].

<i>Metaphire</i>	<i>jianfengensis</i>	(Quan, 1985: 18)	Hainan.		
<i>Metaphire</i>	<i>jiangkouensis</i>	Qiu & Wang, 1993: 40	Guizhou, China.	Cited as " <i>Metaphire praepinguis jiangkouensis</i> Qiu & Wang, 1993" by Qiu & Bouche (1998: 86); cf. <i>M. tschiliensis</i> .	<b>Comb. nov.; Species inquirenda.</b>
<i>Amyntas</i>	<i>jiangmenensis</i>	Zhang <i>et al.</i> , 2006 in Zhang, Li & Qiu, 2006: 395	Guangdong, China.		
<i>Amyntas</i>	<i>jindoensis</i>	Hong and James, 2001	Korea.		
<i>Amyntas</i>	<i>jiriensis</i>	(Song and Paik, 1971: 193)	South Korea.	Belonging in an <i>A. tokioensis</i> species group, possibly a junior synonym.	<b>Species inquirenda.</b>
<i>Metapheretima</i>	<i>jocchana</i>	(Cognetti, 1911: 5)	Jaga near Lake Santani, (type locality), and Njao, West Papua; also Papua New Guinea.	Long 200-600mm with 200-600 segments. <i>Pheretima kampeni</i> Cognetti, 1914: 356; <i>Pheretima tumulifaciens</i> Lee, 1967: 59 (this taxon placed in <i>Archipheretima</i> in Sims & Easton, 1972: 232; and in synonymy by Easton, 1979: 113).	
<i>Amyntas</i>	<i>juliani</i>	(Perrier, 1875)	Saigon, Vietnam (and Laos).	Misspelt in Sims & Easton (1972: 243) as "julianis".	<b>Species inquirenda.</b>
<i>Amyntas</i>	<i>juloides</i>	Michaelsen, 1899: 53	Bone Tal (Valley), North Celebes, Indonesia.		
<i>Amyntas</i> ?	<i>kaironkensis</i>	(Gates, 1970: 387)	Papua New Guinea.	The location of intestinal caeca is uncertain and it may belong in <i>Begemius</i> . Sometimes spelt "kaironekensis" e.g Easton (1982: 716).	<b>Species inquirenda.</b>
<i>Amyntas</i>	<i>kalaenensis</i>	Michaelsen, 1899:	Celebes, Indonesia.		Name misspelt as "kalaensis" in Reynolds & Cook, 1976:

<i>Amynthas</i>	<i>kanrazanus</i> <i>incretus</i>	(Kobayashi, 1937: 343)	Cheju (=Quelpart) Island and South Korean mainland.	Sims & Easton (1972: 237, 243) and Reynolds & Cook (1976: 117, 121) mistake the names as "kanzanus" or "kanzana" and "incertus", and the former authors say "(non Beddard, 1912)". As Beddard's name was for <i>Metaphire incerta</i> there is no conflict.	<i>Amynthas alveolatus</i> Hong & James, 2001: 81, figs. 4zD-F <b>Syn. nov.</b>
<i>Amynthas</i>	<i>kanrazanus</i> <i>kanrazanus</i>	(Kobayashi, 1937: 340)	Cheju (=Quelpart) Island.	Possibly <i>incretus</i> is in synonymy.	<i>Cf. Amynthas yongshilensis</i> Hong & James, 2001: 80, figs. 4A-C.
<i>Amynthas</i>	<i>kaopingensis</i>	James et al. in James, Shih and Chang, , 2005: 1007	Taiwan.	Possibly a synonym of <i>M. paiwana</i> according to Tsai and Shen (pers. comm.).	
<i>Amynthas</i>	<i>keianus</i>	(Michaelsen, 1924/5: 394)	Mt. Daab, Groot Kei, Kei Islands, Indonesia.		
<i>Pheretima</i>	<i>keishuensis</i>	Kobayashi, 1938: 90	-	Kobayashi (1938: 155) obviously changed his mind and decided this was the same as his earlier <i>M. quelparta</i> .	<b>Nomen nudum.</b>
<i>Polypheretima</i>	<i>kellneri</i>	(Ude, 1932: 177)	Lombok.		
<i>Metaphire</i>	<i>kengtungensis</i>	(Gates, 1931: 394)	Myanmar and Laos.		

<i>Polypheretima</i>	<i>kershawae</i>	Easton, 1979: 62	Papua New Guinea.		
<i>Amyntas</i> ?	<i>khami</i>	(Thai, 1984: 614)	Vietnam/Laos.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>khaokhoaianus</i>	(Thai and Samphon, 1989:73)	Laos.	Originally described as <i>Pheretima abdita khaokoaiiana</i> and compared to <i>Metaphire abdita</i> , but its male pores appear superficial and its spermatheca are in different segments therefore here elevated to species level.	<b><i>Comb. nov.</i></b>
<i>Amyntas</i> ?	<i>khoii</i>	(Do and Tran, in Do, Le and Tran, 1994: 25)	Vietnam.	Sometimes misspelt “ <i>knoii</i> ”	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i> ?	<i>kiangensis</i>	(Michaelsen, 1931: 21)	Soochow, China		Possibly a junior synonym of <i>Metaphire californica</i> according to Chen (1931) and Gates (1932: 377). [Non P. <i>kiangsuensis</i> Chen, 1930 (= A. <i>tshiliensis</i> )].
<i>Metapheretima</i>	<i>kilii</i>	Easton, 1979: 107	Papua New Guinea.		
<i>Amyntas</i>	<i>kimhaeiensis</i>	Hong and James, 2001	Korea.		
<i>Amyntas</i>	<i>kinabalu</i>	Sims and Easton, 1972: 245, 259	Borneo.	Here elevated to specific rank and separated from its previous sub-species on the basis of its simple intestinal caeca.	<i>Amyntas omeimontis kinabalu</i> Sims & Easton, 1972: 259; non <i>Po. kinabaluensis</i> (Beddard & Fedarb, 1895).
<i>Polypheretima</i>	<i>kinabaluensis</i>	(Beddard and Fedarb, 1895: 71)	Borneo (Mt Kinabalu from 2,100-2,750m according to Easton,	Attributed to Beddard & Fedarb, although Beddard (1895: 429) describes it as "new species". Cf. <i>everetti</i> , <i>sarawakensis</i> , <i>stelleri</i> .	

			1976: 43).		
<i>Amyntas</i>	<i>kinfumontis</i>	(Chen, 1946: 119)	TaHoPa and King-Fu-Shan in Szechuan and Laos.	Originally <i>Pheretima kinfumontis</i> , then transferred as subspecies of <i>P. omeimontis</i> ; Sims & Easton (1972: 258) put in <i>Amyntas</i> .	
<i>Amyntas</i>	<i>kisonensis</i>	(Thai and Tran, 1986: 7)	Vietnam.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>kitangladensis</i>	James, 2004: 290	Mindanao, Philippines.		
<i>Pleionogaster</i>	<i>kitangladensis</i>	James, 2004: 310	Mindanao, Philippines.	Cf. <i>Pl. valida</i> .	
<i>Amyntas</i>	<i>lockei</i>	(Ude, 1925: 107)	Mt Dulit, Sarawak.		
<i>Amyntas</i>	<i>kobayashii</i>	(Kobayashi, 1938)	Korea.		
<i>Metaphire</i>	<i>kockensis</i>	(Michaelsen, 1930: 2)	Fort de Kock, Sumatra, Indonesia.		
<i>Pheretima</i>	<i>koellickeri</i>	Michaelsen, 1903: 100	-	Cf. <i>Pheretima koellickeri</i> Michaelsen, 1928: 8.	<b><i>Nomen</i></b> <b><i>nudum.</i></b>
? <i>Pheretima</i> ( <i>Pheretima</i> )	<i>koellickeri</i>	(Michaelsen, 1928: 8)	Japan.	Cf. <i>Metaphire vesiculata</i> .	<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>kokoana</i>	(Chen & Fong in Chen, Hsü, Tung & Fong, 1975)	China.		<i>Pheretima tschiliensis kokoana</i> Chen and Fong, 1975; <i>misspelt "kokoan" by Reynolds &amp; Cook, 1981: 23.</i>
<i>Amyntas</i>	<i>koreanus</i>	(Kobayashi, 1938)	Korea and Japan.		<i>Pheretima conjugata</i> Ishizuka, 1999. <b>Syn. nov.</b>
<i>Pheretima</i>	<i>korinchiana</i>	Cognetti, 1922: 2	Korinchi Peak, western Sumatra.		

(*Pheretima*)

<i>Metaphire</i>	<i>koryoensis</i>	(Kobayashi, 1936)	Korea.		
<i>Polypheretima</i>	<i>koyana</i>	Michaelsen, 1934:	Mt Dulit, Sarawak.	Originally <i>Pheretima (Polypheretima) koyana</i>	
		29			
<i>Amyntas</i>	<i>kulingianus</i>	(Chen, 1933: 278)	China (Kinagsi).	Originally <i>Pheretima corrugata kulingiana</i> Chen, 1933: 278 [separated from <i>P. corrugata</i> by Chen (1936: 271), cf. <i>A. robustus</i> ].	<b>Comb. nov.</b>
<i>Amyntas</i>	<i>kunigamiensis</i>	(Ishizuka and Azama in Ishizuka, Azama and Sasaki, 2000)	Okinawa		
<i>Polypheretima</i>	<i>kyhaensis</i>	(Thai, 1996: 4)	Vietnam	Name also spelt "kyhaenensis".	<b>Comb. nov.;</b> <b>Species inquirenda.</b>
<i>Amyntas</i> ?	<i>kytayanus</i>	(Thai, 1984: 613)	Vietnam		<b>Comb. nov.;</b> <b>Species inquirenda.</b>
<i>Amyntas</i>	<i>labosus</i>	(Gates, 1932: 543)	Myanmar and Yunnan, China.	Miscited as "lobosa" in Reynolds & Cook (1976: 129).	
<i>Planapheretima</i>	<i>lacertina</i>	(Chen, 1946: 109)	Szechuan and Vietnam.	[Chen, 1946:109 has an incorrect original spelling as "IACERTINA" for this taxon, but page 139 and Plate IV have "lacertina" meaning "little lizard" with which he compares its coloration. According to ICZN (1999: Art. 32.5, 33), the name "lacertina" is valid and "iacertina" is not].	

<i>Amynthas</i>	<i>lacinatus</i>	(Chen, 1946)	Szechuan.	In type the last two pairs of spermathecae are absent; present in the two other "cotypes".	[Non <i>Planapheretima lacertinus</i> (Chen, 1946) that is misspelt as "iacertina" by Chen, 1946: 109.	<b><i>Species inquirenda.</i></b>
<i>Metaphire</i>	<i>ladjangensis</i>	(Ude, 1932)				
<i>Amynthas</i>	<i>lalangi</i>	(Michaelsen, 1923: 5)	Sumatra.			
<i>Metaphire</i>	<i>langbiangi</i>	(Michaelsen, 1934: 522)	Mt Lang Biang (1,500-2,000m), South Vietnam.			
<i>Pithemera</i>	<i>lanyuensis</i>	Shen H.P. and Tsai, C.F. 2002: 2	Lanyu Island, Taiwan			
<i>Amynthas</i> ?	<i>lateropapillatus</i>	(Thai et Samphon, 1988: 5)	Laos	This species is very close to <i>Pheretima (?) fakhaensis</i> Thai et Samphon but differs in bigger size and arrangement of papillae in male area.		<b><i>Species inquirenda.</i></b>
<i>Amynthas</i>	<i>lavanguanus</i>	(Gates, 1959)	Solomons (and Hawaii).			
? <i>Perichaeta</i>	<i>lawsoni</i>	Bourne, 1887: 664	Ootacamund, India.	No information on presence or absence of copulatory pouches: the male pores are "not on papillae". Clitellum is 14-17. Gizzard is in 10 (?) and intestinal caeca from 26 suggest it is a pheretimoid. Types in Oxford and BMNH.	<i>Megascolex curgensis</i> Michaelsen, 1921.	<b><i>Species incertae sedis.</i></b>
<i>Pheretima</i>	<i>lejokana</i>	Michaelsen, 1934: 36	Sarawak.	Genital markings present.		
( <i>Pheretima</i> )						
<i>Metaphire</i>	<i>leonoris</i>	(Chen, 1946: 114)	Szechuan and Vietnam.			

<i>Metaphire</i>	<i>leonoroides</i>	(Thai and Samphon, 1989: 71)	Laos.			<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>leopoldi</i>	Michaelsen, 1930: 4	Sumatra.			
<i>Polypheretima</i>	<i>lesonea</i>	Easton, 1979: 51	Sungaikolong, Central Sumatra (type locality) ; Muararupit, Lapat, Central Sumatra; Indonesia.			
<i>Amyntas</i>	<i>leucocircus</i>	(Chen, 1933: 262)	China and Vietnam.	Cf. <i>A. flavescens</i> .	Name misspelt "leucocireus" in Sims & Easton, 1972: 243.	<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Pithemera</i> ?	<i>liangi</i>	(Michaelsen, 1922: 36)	Pacific and Central Borneo (Michaelsen, 1928: 26).	Moved from <i>Metapheretima</i> to <i>Pithemera</i> by Easton (1979: 119), but Michaelsen states that intestinal caeca are absent.		<b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>liaoi</i>	Zhang <i>et al.</i> , 2006 in Zhang, Li, Fu & Qiu, 2006: 249	Mt. Dinghu, Guangdong, Guangzhou, China.	Cf. <i>A. antefixus</i> (Gates, 1939). Name sometimes misspelt "liao".		
<i>Amyntas</i>	<i>lignophilus</i>	(Thai, 1982: 822)	Vietnam.	Name sometimes spelt "lignophila".	Non <i>P. lignicola</i> (= <i>A. alexandri</i> ).	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>limellulus</i>	(Chen, 1946: 127)	Chungking (Szechwan).	Name sometimes misspelt "limelluta" or "limellutus".	[Non <i>P. limella</i> Gates].	
<i>Amyntas</i>	<i>limellus</i>	(Gates, 1935: 11)	Suifu, Szechuan.		[Non <i>P. limellulus</i> Chen].	
<i>Amyntas</i>	<i>limpidus</i>	(Chen, 1938: 405)	Hainan.			
<i>Metapheretima</i>	<i>lindiae</i>	Easton, 1979: 89	Papua New Guinea.			
<i>Begemius</i>	<i>lockerbiensis</i>	Easton, 1982: 720	Cape York, Qld.			

<i>Amynthas</i>	<i>loehri</i>	Michaelsen, 1899: 12	Hupei, China.	Probably in synonymy with <i>A. robustus</i> according to Gates (1972) and Chen (1936: 271) or <i>Metaphire californica</i> according to Beddard (1900: 633) and Chen, (1931: 137).	Name originally with umlaut, sometimes misspelled "lohri" eg. Sims & Easton, 1972: 243; Reynolds & Cook (1976).	<b>Species</b> <b><i>incertae sedis.</i></b>
<i>Amynthas</i>	<i>lompobatangensis</i>	Michaelsen, 1899: 33	Lompobatang, Pic von Bonthain, South Celebes; Indonesia.			
<i>Metaphire</i>	<i>longa</i>	(Michaelsen, 1892: 239)	Kepahinag, Sumatra (type locality) and Ciseureu, Sindanglaya, W. Java; Indonesia.	Differs from <i>M. musica</i> by its simple (and smooth) caeca and round male pores cf. multiple caeca and "slit-like" male pores in <i>musica</i> . Gates (1937) notes that of the two specimens of <i>M. musica</i> (Horst, 1883), the one with simple intestinal caeca belongs in <i>longa</i> that may actually be the same species as the specimens inspected by Sims & Easton (1972: 181).		<b>Species</b> <b><i>inquirenda.</i></b>
<i>Amynthas</i>	<i>longicauliculatus</i>	(Gates, 1931: 395)	Myanmar, China (Yunnan) and Thailand.	Cf <i>A. choprai</i> .		
<i>Metaphire</i>	<i>longipenis</i>	(Chen, 1946: 91)	Mt Omei, Szechwan.			
<i>Amynthas</i>	<i>longisiphonus</i>	(Qiu, 1988: 2)	Guizhou (Guizau), China.	Originally <i>Pheretima longisiphona</i> .		<b>Comb. nov.;</b> <b>Species</b> <b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>lorella</i>	(Gates, 1936: 425)	Myanmar.			
<i>Metapheretima</i>	<i>loriae</i>	(Rosa, 1898: 61)	Papua New Guinea, Solomons(?), and VanuaTu.			
<i>Metaphire</i>	<i>loti</i>	(Chen and Hsü, in Chen, Hsü, Yang and Fong, 1975: 93)	China.			



<i>Amynthas</i>	<i>loveridgei</i>	(Gates, 1968)	USA, St Helena (introduced).	Parthenogenetic degradation common.	
<i>Metaphire</i>	<i>lubricata</i>	(Chen, 1936: 281)	Szechuan.	From Chen's later figures, it seems the male pores are eversible and thus it qualifies for <i>Metaphire</i> .	Name sometimes misspelt "lumblicata". <b>Comb. nov.</b>
<i>Amynthas</i> ?	<i>lunatoides</i>	(Thai et Samphon, 1988: 12)	Laos.	This species is very close to <i>Pheretima lunata</i> Chen, 1938	<b>Comb. nov.;</b> <b>Species</b> <b>inquirenda.</b>
<i>Amynthas</i>	<i>lunatus</i>	(Chen, 1938: 411)	Hainan (also reported from Laos).		
<i>Metaphire</i>	<i>luongphabangana</i>	(Thai and Samphon, 1990: 11)	Laos.		<b>Comb. nov.</b>
<i>Amynthas</i>	<i>luxus</i>	(Gates, 1936: 427)	Myanmar.		
<i>Metaphire</i>	<i>luzonica</i>	(Perrier, 1875)	?	Probably a mistake for <i>Perichaeta luzonica</i> Perrier, 1875, a junior synonym of <i>Lampito mauritii</i> Kinberg, 1867, cited on European databases [http://www.faunaeur.org/full_results.php?id=177940 May, 2006 and http://eunis.eea.europa.eu/species-taxonomy.jsp?idTaxonomy=616 Jan, 2007].	<b>Error.</b>
<i>Planapheretima</i>	<i>maculata</i>	(Ude, 1925: 104)	Mt Murud Brunei/Sarawak, Borneo and Mt Penrissen.		<i>Pheretima scandens</i> Michaelsen, 1928: 18. Originally <i>Pheretima maculata</i> [non <i>P. "maculosus"</i> Hatai, 1930, nec <i>P. maculosa</i> Gates, 1933; nec <i>malaca</i> Gates, 1936].
<i>Metaphire</i>	<i>magna</i>	(Chen, 1938: 416)	Hainan.	Holandric.	
<i>Amynthas</i>	<i>magnificus</i>	(Chen, 1936: 283)	Szechuan.		
<i>Amynthas</i>	<i>magnipapillatus</i>	Qiu & Wang, 1992:	Guizhou (Guizau), China.		Name sometimes misspelt <b>Species</b>

"mignipapillata" and cited by Qiu & ***inquirenda***.

Bouche (1998: 97) as "Qiu, 1993".

Reynolds & Cook (1992: 17; 26) have authors as "Qiu, Hong et Wei, 1991: 221" and note their misspelling of name as "megapapillatus". Current citation correct according to Qiu (pers. comm.).

*Amyntas* *magnodiverticulatus* (Thai, 1984: 287) Vietnam/Laos.

***Comb. nov.;***  
***Species***  
***inquirenda***.

*Amyntas* *malacus* (Gates, 1936: 429) Myanmar.

See synonymy.

*Pheretima malaca* Gates, 1936 nom. nov. pro *Pheretima maculosa* Gates, 1933 [non *Pheretima maculosus* Hatai, 1930 [sic] (= *A. acinctus*)]. Note: Ignorant of this, Nakamura (1999: 2) proposed the superfluous and invalid replacement name "Pheretima medimaculosa" as a nomen nudum for Gates's *P. maculosa*].

*Metaphire* *malayana* (Beddard, 1900: 893) Malaysia and Myanmar [Thailand report by Gates (1972) is possibly a mistake].

Cf. *M. bipora* and *A. evansi*. The synonymy by Gates (1972: 199) must be questioned and several species names have been restored herein.

?*Pheretima baruana* Stephenson, 1932; *Pheretima fovella* Gates, 1949: 21; *Pheretima strellana* Gates, 1949: 34.

*Metaphire* *malinaoensis* (Hong & James, 2004: 729) Malinao, Philippines.

Have small penes in enlarged prostatic ducts, therefore male pores non-superficial, therefore transferred from *Amyntas*.

***Comb. nov.***

<i>Pleionogaster</i>	<i>malinaoensis</i>	James, 2006: 9	Tiwi, Luzon, Philippines.	
<i>Amyntas</i>	<i>mamillaris</i>	(Chen, 1938: 413)	Hainan.	Non <i>P. mamillana</i> Gates (= <i>M. virgo</i> ).
<i>Amyntas</i>	<i>mammoporophora</i>	(Thai, 1982: 825)	Vietnam	
	<i>tus</i>			<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>manicatus</i>	(Thai, 1984: 1321)	Vietnam.	Misspelt "cucfuongmontiis" in Reynolds & Cook (1989: 16).
	<i>cucfuongmontis</i>			<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>manicatus</i>	(Gates, 1932: 528)	Myanmar and China (Yunnan).	<i>Pheretima manicata supina</i> Gates, 1932: 528, 529; (synonymy by Gates, 1960: 268; 1972: 201).
	<i>decorosus</i>			
<i>Amyntas</i>	<i>manicatus</i>	(Thai & Tran, 1986: Vietnam.		<b><i>Comb. nov.</i></b>
	<i>kisonmontis</i>	7)		
<i>Amyntas</i>	<i>manicatus</i>	(Gates, 1931: 414)	Myanmar, Thailand and possibly Laos.	<i>Pheretima manicata</i> Gates, 1931:414 comb. nov. pro <i>Pheretima suctoria manicata</i> Gates, 1931: 412 (Gates, 1932: 527) (non <i>suctoria</i> Michaelsen, 1907) - see Sims & Easton (1972: 235 footnote) which states this much.
	<i>manicatus</i>			
<i>Amyntas</i>	<i>manicatus</i>	(Do and Tran in	Vietnam.	?
	<i>quefongensis</i>	Do, Le and Tran, 1994: 24)		Sometimes spelt guefongensis.
				<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Archipheretima</i>	<i>margaritacea</i>	(Michaelsen, 1892: Samar Is., Philippines.	Small < 100 mm	
		245)		
<i>Amyntas</i> ?	<i>martiorum</i>	(Michaelsen, 1938: Papua New Guinea.	Name martiorum correct.	<b><i>Species</i></b> <b><i>inquirenda.</i></b>
		175)		

<i>Amyntas</i>	<i>maximus</i>	(Cognetti, 1915: 493)	Irian Jaya		
<i>Archipheretima</i>	<i>mazarredi</i>	(Rosa, 1894: 6)	Marinduque Is., Philippines.	In correct emendation by Michaelsen (1900) to "mazarredoi", restored to original by Easton (1979: 23).	
<i>Amyntas</i>	<i>mediocus</i> <i>mediocus</i>	(Chen & Hsü in Chen, Hsü, Yang and Fong, 1975: 92)	China, also reported from Vietnam.	Originally <i>Pheretima medioca</i> .	
<i>Amyntas</i>	<i>mediocus multus</i>	Qiu & Wang, 1994	China.	Name cited by Qiu & Bouche (1998: 97) as " <i>Amyntas medicus multus</i> subsp. nov."; possibly a nomen nudum and miscitation for <i>Amyntas mediocus</i> . Current citation correct according to Qiu (pers. comm.).	<b><i>Species inquirenda.</i></b>
<i>Pheretima?</i>	<i>megascolidioides</i>	(Goto and Hatai, 1899)	Japan.		<b><i>Species incertae sedis.</i></b>
<i>Amyntas</i>	<i>megopapillatus</i>	Qiu <i>et al.</i> , 1992? in Qiu, Wang, H. & Wang, W., 1992?	Guizhou, China.	Google websearch result. Quoted as ? by "Qiu, Wang & Wang, 1991: 221" by Jiang Huang pers. comm. who also notes " <i>A. magnipapillata</i> Qiu & Wang, 1992: 264" (sic) in synonymy.	<b><i>Species inquirenda.</i></b>
<i>Amyntas</i>	<i>meioglandularis</i>	Qiu <i>et al.</i> , 1993 in Qiu, Wang, H. &	Guizhou (Guizau), China.	Sometimes cited as just "Qui and Wang" or "1994" and cited by Qiu & Bouche (1998: 97) just as "Qiu, 1993".	

		Wang, W., 1993: 406		
<i>Megascolex</i> ( <i>Promegascolex</i> )	<i>mekongianus</i>	Cognetti, 1922: 3, 744 (figs. 4-8).	Mekong River.	Sims & Easton, 1972: 223 say the gizzard is definitely in 5 (Cognetti has it in <i>Species</i> 7 by mistake they say), so not pheretimoid; but it also has intestinal caeca, so <i>incertae sedis</i> . may be intermediate (Gates, 1934: 260 included it in ' <i>Pheretima</i> '). Recent revision by the current author shows it to be an <i>Amyntas</i> that should probably have <i>A. fluvialis</i> in its synonymy (Blakemore <i>et al.</i> in press).
<i>Metaphire</i>	<i>merabahensis</i>	(Beddard and Fedarb, 1895: 72)	Sarawak, North Borneo.	Types have small simple caeca, typhlosoles and male pores insunk in copulatory pouch (pers. obs.).
<i>Polypheretima</i>	<i>mertoni</i>	(Michaelsen, 1910: 256)	Wokam, Aru Kepulauan, Indonesia.	
<i>Metaphire</i>	<i>michaelseni</i>	(Ude, 1925: 103)	Mt Murud, Sarawak, Borneo.	
<i>Amyntas</i>	<i>micronarius</i>	(Goto and Hatai, 1898: 74)	Japan.	( <i>Pheretima yamizoyamensis</i> Ohfuchi, 1935)? [name sometimes misspelt "yamijoyamensis"]; ( <i>Pheretima obtusa</i> Ohfuchi, 1957)?; [ <i>Pheretima hypogaea</i> Ishizuka, 1999 (misspelt "hypogae" in Ishizuka, 2001: 11, 101)]?; ( <i>Pheretima edoensis</i> Ishizuka et al., 2000)?; <i>Pheretima hinoharensis</i> Ishizuka, 2000 (sometimes misspelt "hinoharaensis").
<i>Amyntas</i>	<i>minahassae</i>	(Michaelsen, 1896: 235)	North Celebes.	

<i>Amyntas ?</i>	<i>mindoroensis</i>	Hong & James, 2004: 729	Mindoro, Philippines.		
<i>Amyntas</i>	<i>miniatus</i>	(Gates, 1936: 101)	Pahang, Malaysia.		
<i>Amyntas</i>	<i>minimus</i>	(Horst, 1893: 66)	Cosmopolitan.	Easton (1979: 119) states that minimus (Horst, 1893) has priority over pusilla Ude, 1893.	<i>Perichaeta pusilla</i> Ude, 1893: 63 [non <i>Perichaeta pusilla</i> Ohfuchi, 1956 (= <i>A. assacceus</i> )]; <i>Pheretima</i> <i>enchytraeoides</i> Michaelsen, 1916: 33; <i>Pheretima humilis</i> Gates, 1942: 120; <i>Pheretima zoysiae</i> Chen, 1933: 288; <i>Pheretima ishikawai</i> Ohfuchi, 1941: 248.
<i>Amyntas</i>	<i>minjae</i>	Hong in Hong, Lee and Kim, 2001: 264	Korea.		
<i>Pithemera</i>	<i>mira</i>	(Gates, 1972: 121)	Micronesia?		
<i>Amyntas</i>	<i>misellus</i>	(Cognetti, 1913: 291)	Alkmaar, West New Guinea.	Originally <i>Pheretima misella</i> ; non <i>misera</i> Cognetti, 1913.	
<i>Amyntas</i>	<i>miserus</i>	(Cognetti, 1913: 292)	Alkmaar, West New Guinea.	Originally <i>Pheretima misera</i> ; non <i>misella</i> Cognetti, 1913.	
<i>Amyntas</i>	<i>mjobergi</i>	(Michaelsen, 1923: 10)	Sumatra.	Originally <i>Pheretima mjöbergi</i> , and sometimes emended to "mjoebergi", but if the name is Swedish rather than German, then only diacritic removed as per ICZN (1999: Art. 32.5.2.1).	
<i>Amyntas</i>	<i>moakensis</i>	Hong & Kim, 2002: 197	South Korea.		
<i>Metaphire ?</i>	<i>mochauana</i>	(Do et Huynh, 1991 in Do, Usachev et Huynh, 1991: 56)	Vietnam		<b><i>Species</i></b> <b><i>inquirenda</i></b>
<i>Amyntas</i>	<i>modiglianii</i>	(Rosa, 1889: 134)	Sumatran Islands (and	Sometimes (mis)spelt	Michaelsen (1934: 509) included part of Beddard's (1900:

			Mt Deo-ca, Varella Valley, Long Biang, and Tourane, Valley of Nuages all in South Vietnam).	"modiglianii".	622) <i>Amyntas heterochaetus</i> in synonymy.
<i>Polypheretima ?</i>	<i>moelleri</i>	(Michaelsen, 1921: 12)	Sand Bay, South coast of Java; Indonesia.		
<i>Amyntas</i>	<i>moniliatus</i>	(Chen, 1946: 105)	Szechuan.		
<i>Begemius ?</i>	<i>monoperus</i>	(Cognetti, 1911: 5)	New Guinea.	Cognetti (1911) said prostatic ducts were provided with copulatory pouches therefore possibly not in <i>Begemius</i> .	<b>Species inquirenda.</b>
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>monoporata</i>	James, 2004: 300	Mindanao, Philippines.	Cf. <i>P. ambonensis</i> Cognetti, 1913.	
<i>Amyntas</i>	<i>monoserialis</i>	(Chen, 1938: 399)	Hainan (and Laos).		
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>monotheca</i>	James, 2004: 295	Mindanao, Philippines.	Cf. <i>P. heaneyi</i> .	
<i>Amyntas</i>	<i>monsoonus</i>	James et al., 2005: 1007 in James, Shih and Chang, 2005	Taiwan.	Possibly in synonymy of <i>A. carnosus</i> as it has the same classical markings in 7-9; or in synonymy of <i>A. tungpuensis</i> according to Tsai and Shen (pers. comm. Sept. 2006).	
<i>Amyntas</i>	<i>monstriferus</i>	(Kobayashi, 1936)	Korea.		
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>montana</i>	Kinberg, 1867: 102	Widespread in Pacific; Malaysia (Michaelsen, 1928); Indonesia (e.g., Java, Kali Djumok be	<i>Pheretima montana</i> Ishizuka (2000) is a junior homonym.	? <i>Perichaeta vitiensis</i> Beddard, 1892: 131 - possibly in genus <i>Pithemera</i> as caeca in "24"; <i>Perichaeta novarae</i> Rosa, 1891: 396; <i>Perichaeta malamaniensis</i> Benham,

			Sarangan; Java, Idjen-gebirge 950 m).		1891: 316; <i>Perichaeta arturi</i> (sic) Benham, 1897: 205 (corr. <i>arthuri</i> ); <i>Perichaeta montana arthuri</i> (part, non example B) – Michaelsen, 1900: 286; <i>Perichaeta zonopora</i> Rosa, 1898: 288.
<i>Polypheretima</i> ?	<i>monticola</i>	(Beddard, 1912: 195)	Mt Pulog at 2,889m, Luzon, Philippines.	Non Ishizuka (1999). Tentative reassignment from <i>Metapheretima</i> by Easton (1979).	
<i>Pheretima</i>	<i>montivaga</i>	Ishizuka, 2001: 12, 14, 92	-	<i>Nomen nudum</i> under ICZN (1999: Arts. 13, 16).	<b><i>Nomen nudum.</i></b>
<i>Amyntas</i>	<i>morrisi</i>	(Beddard, 1892: 166)	Cosmopolitan	Michaelsen allowed 2 or 3 pairs of spermathecae in 5/6/7 or 5/6/7/8.	? <i>Perichaeta barbadensis</i> (parts ?“a” and “c”) Beddard, 1892 (July): 167; ? <i>Perichaeta mauritiana</i> Beddard, 1892:170 [most likely a variety of <i>A. gracilis</i> ]; ? <i>Perichaeta pallida</i> Michaelsen, 1892 (Sept.): 227; ? <i>Perichaeta amazonica</i> Rosa, 1894: 14; ? <i>Perichaeta sanctijacobi</i> Beddard, 1895: 61; ? <i>Perichaeta cupulifera</i> Fedarb, 1898: 445; <i>Pheretima hawayana lineata</i> Gates, 1926: 154.
<i>Planapheretima</i>	<i>moultoni</i>	(Michaelsen, 1913: 90)	North Borneo, Sarawak, Mt Poi.		<b><i>Type species.</i></b>
<i>Amyntas</i>	<i>mucrorimus</i>	(Chen, 1946: 108)	Mt Omei, Szechwan (also reported from Vietnam).	Chen's description is confused about the number of spermathecae.	<b><i>Species inquirenda.</i></b>
<i>Amyntas</i>	<i>mjuensis</i>	Hong & Kim, 2002:	South Korea.		



		195			
<i>Amyntas</i> ?	<i>multichaetiferus</i>	(Le, 1995: 50)	Vietnam		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>multimaculatus</i>	Hong & Lee, 2001: 288	Mt Jiri, Korea.	Possibly in synonymy of <i>A. songnisanensis</i> .	
<i>Metaphire</i>	<i>multitheca</i> <i>dipapillata</i>	(Thai & Tran, 1986: 9)	Vietnam.		<b><i>Comb nov.</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>multitheca</i> <i>multitheca</i>	(Chen, 1938: 383)	Hainan and Vietnam.		
<i>Metaphire</i> ?	<i>munghumensis</i>	(Thai & Samphon, 1988: 13)	Laos.	Parasites reported by Spiridonov (1994/5).	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metaphire</i> ?	<i>munglongmontis</i>	(Thai & Tran, 1986: 10)	Vietnam		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>murayamai</i>	(Kobayashi, 1938: 164)	Korea.		Name misspelt as "murayama" or "murayanai" eg. Sims & Easton, 1972: 244; Reynolds & Cook, 1976:142.
<i>Amyntas</i>	<i>murudi</i>	(Ude, 1925: 105)	Borneo (Brunei/Sarawak, Mt Murud).		
<i>Metaphire</i>	<i>musiana</i>	(Michaelsen, 1932: 614)	Indonesia, southwest Sumatra, Tjurup, Musi.	Non <i>M. musica</i> .	
<i>Metaphire</i>	<i>musica</i>	(Horst, 1883: 193)	High mountain forests in	Non <i>M. musiana</i> ; cf. <i>M. longa</i> .	

central Java (type locality); Rana Mese, Flores; Kediri-Mt Wilis East Java (Hari Nugroho pers. comm.); all Indonesia.

<i>Amyntas</i>	<i>muticus</i>	(Chen, 1938: 403)	Hainan (and Laos).		
<i>Amyntas</i>	<i>mutus</i>	(Chen, 1938: 391)	Hainan.	Non <i>P. mutica</i> Chen, 1938 (= <i>A. phaselus</i> )	
<i>Metapheretima</i>	<i>myriochaeta</i>	(Cognetti, 1911: 4)	Papua New Guinea (including West Papua eg. both <i>myriochaeta</i> and <i>sentanensis</i> ).	See synonymy.	<i>Pheretima myritchasta</i> Cognetti, 1911:4 <b>Comb. nov.</b> (laps. pro <i>myriochaeta</i> according to Cognetti, 1912: 549); <i>Pheretima sentanensis</i> Cognetti, 1911: 5 [some authors (e.g. Easton, 1979: 88) have this as senior synonym, but page priority precludes this although I did see one citation of date and page as "1911: 41" that is possibly wrong]; <i>Pheretima arditia</i> Cognetti, 1914: 353 (sometimes misdated "1911", put in synonymy of <i>sentanensis</i> by Easton, 1979: 88); <i>Pheretima tamiensis</i> Ude, 1924: 84 that was erroneously described originally with only 4 pairs of spermathecae. [Non

*Pheretima myriosetosa* Chen and Zhifang, 1977]. Several of these taxa at one time in genus *Ephemitra* Sims & Easton, 1972 that, after Easton (1979), is now in synonymy of *Metapheretima* (cf. *Polypheretima sibogae*).

<i>Metaphire</i>	<i>myriosetosa</i>	(Chen & Zhifang, 1977: 175)	China.	Non <i>Pheretima myriochaeta</i> Cognetti, 1911.	
<i>Amyntas</i>	<i>naejangensis</i>	Hong and James, 2001	Korea.		
<i>Amyntas</i> ?	<i>namdongensis</i>	(Thai and Nguyen in Nguyen, 1993: 5)	Vietnam.	Cited thus but also spelt "namdongennis".	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Metaphire</i>	<i>nanaoensis</i>	Chang & Chen, 2005: 1473	Nanao, Taiwan in mountain.	Also misspelt "nanauensis".	
<i>Metaphire</i>	<i>nanlingmontis</i>	Zhang <i>et al.</i> , 2006 in Zhang, Li, Fu & Qiu, 2006: 249	Dadingshan station of the Nanling National Natural Reserve, Guangdong, China.	Cf. <i>M. jianfengensis</i> (Quan, 1985).	
<i>Amyntas</i>	<i>nanrenensis</i>	James et al., 2005: 1007 in James, Shih and Chang, 2005	Taiwan.	Probably a synonym of <i>A. corticis</i> , as was acknowledged by the authors (James et al. 2005: 1012).	
<i>Amyntas</i>	<i>nanshanensis</i>	Shen <i>et al.</i> , 2003:	Taiwan.	Similar to " <i>A. youngtai</i> " = <i>A. carnosus</i> .	

		482 in Shen, Tsai C.-F., and Tsai, S.-C., 2003.			
<i>Amyntas</i>	<i>nanulus</i>	(Chen and Yang in Chen, Hsü, Yang and Fong, 1975: 89)	China		
<i>Amyntas</i>	<i>nanus</i>	(Rosa, 1896: 519)	Sumatra.		
<i>Pleionogaster</i>	<i>nautsae</i>	James, 2006: 12	Pangabinan, Luzon, Philippines.	Cf. <i>Pl. nillosae</i> .	
<i>Polypheretima</i>	<i>neglecta</i>	Easton, 1984: 116	Fiji.	Holandric.	
<i>Metaphire</i> ?	<i>neoexilis</i>	(Thai et Samphon, 1988: 17)	Vietnam, Laos	This species is very close to <i>Metaphire exilis</i> (Gates)	<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metapheretima</i>	<i>neoguinensis</i>	(Michaelsen, 1892: 229)	Papua New Guinea; New Britain ( <i>helvola</i> ).		<i>Pheretima helvola</i> Ude, 1905: 473 [non Michaelsen, 1934: 520 (= <i>Metaphire hobaensis</i> Gates, 1941)].
<i>Amyntas</i>	<i>nephropapillatus</i>	?Qiu & Bouche, 1998.	Guizhou, China.	Species name also cited in poster abstract for Cardiff Conference by Qiu, Lu, Xiao and Chen, 2002: 57.	Also (mis)spelt "nephropapillautus"; cited by Qiu & Bouche, 1998: 86 as " <i>A.</i> <i>nephropapillatus</i> sp. nov.".
<i>Metaphire</i>	<i>nhani</i>	(Huynh et Nguyen, 2005: 25)	Thua Thien Hue province, Vietnam.	Originally published in Journal of Biology 27(2): 25-26 as <i>Pheretima nhani</i> and compared to <i>M. coniporophorata</i> . Reference <a href="http://203.162.12.202/pdf_ddsh/chuong_I.pdf">http://203.162.12.202/pdf_ddsh/chuong_I.pdf</a> March, 2006.	<b><i>Comb. nov..</i></b>
<i>Metaphire</i> ?	<i>nhumalatana</i>	(Thai and Samphon, 1989:	Laos.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b>

<i>Amynthas</i>	<i>nicholsoni</i>	72) ?	West Bengal, India.	Cited in a paper about gregarine ? parasites [Bandyopadhyay & Mitra, (2004). Protistology 3 (4), 227-231].	<i>inquirenda.</i> <i>?Nomen</i> <i>nudum.</i>
<i>Planapheretima</i>	<i>nieuwenhuisi</i>	(Michaelsen, 1922: 47)	Borneo, Mt Bamoos (or Damoes?; Kalimantan), Indonesia.	Sims & Easton, 1972: 191 inspected type and say intestinal caeca absent.	
<i>Pleionogaster</i>	<i>nillosae</i>	James, 2006: 10	Caramoan, Luzon, Philippines.		
<i>Amynthas</i>	<i>noebianus</i>	(Michaelsen, 1934: 114)	East Flores, Indonesia.		
<i>Metaphire</i>	<i>notizusa</i>	(Michaelsen, 1928: 294)	Idjen, Ongop-ongop, Java, Indonesia.		
<i>Amynthas</i>	<i>novaebritannicae</i>	(Benham, 1897: 199)	New Britain.		
<i>Amynthas</i>	<i>nubilus</i>	(Chen, 1946: 125)	Mt Omei, Szechwan.		
<i>Amynthas</i>	<i>nugalis</i>	(Gates, 1931: 402)	Myanmar.		
<i>Amynthas</i>	<i>obscuritoporus</i>	(Chen, 1930: 25)	China.	Gates (1935:12) cited this as "Chen, 1931" and though is was possibly composed of <i>grahami</i> , <i>praepinguis</i> , and/or <i>tschiliensis</i> .	<i>Species</i> <i>incertae sedis.</i>
<i>Amynthas</i>	<i>obscurus</i>	(Goto and Hatai, 1898: 70)	Japan.	Non <i>Perichaeta obscura</i> Spencer, 1893: 3 (= <i>Diporochaeta obscura</i> ); junior homonym not replaced for reasons noted by Blakemore (2003: 23).	
<i>Amynthas</i>	<i>ocellatus</i>	Michaelsen, 1899: 89	Sumatra.		
<i>Amynthas</i>	<i>octo</i>	(Ishizuka, 2000)	Japan		<i>Species</i>

<i>Amyntas</i>	<i>oculatus</i>	(Thai, 1984: 284)	Vietnam.		
	<i>ankheanus</i>				
<i>Amyntas</i>	<i>oculatus oculatus</i>	(Chen, 1938: 398)	Hainan.		
<i>Metapheretima</i>	<i>oinakensis</i>	(Cognetti, 1914: 355)	Papua New Guinea.		
<i>Amyntas</i>	<i>omeimontis</i>	(Chen, 1931: 155)	Szechuan.	Here, as with Gates (1935), elevated to specific rank and separated from its previous sub-species on the basis of its manicate intestinal caeca.	<i>Pheretima omeimontis</i> : Gates, 1935:12, comb. nov. pro <i>Pheretima (Pheretima) paraglandularis omeimontis</i> Chen, 1931: 155; <i>Amyntas omeimontis omeimontis</i> : Sims & Easton, 1972: 244. misspelt "omeimontia" in Reynolds & Cook (1976: 147).
<i>Amyntas</i>	<i>omtrekensis</i>	(Cognetti, 1911: 3)	Humboldt Bay Dutch New Guinea (type locality?); Mt Daab-Kei Island, Indonesia.		<i>Pheretima homoeotrocha</i> Cognetti, 1912: 546 (invalid emendation).
<i>Archipheretima</i>	<i>ophiodes</i>	(Michaelsen, 1929: 85)	Luzon, Philippines.		Misspelt "ophiodies" in Easton (1979: 3).
<i>Amyntas</i>	<i>ophthalmopapillatus</i>	(Thai, 1982: 823)	Vietnam.		
					<b>Comb. nov.;</b> <b>Species</b> <b>inquirenda.</b>
<i>Metapheretima</i>	<i>orcrista</i>	Easton, 1979: 112	Papua New Guinea.		
<i>Amyntas</i>	<i>orientalis</i>	(Beddard, 1912: 190)	Benguet Province, Luzon, 5,000 ft.		
<i>Amyntas</i>	<i>ornatus</i>	(Gates, 1929: 20)	Myanmar.		Misspelt as "P. ordinata" by Gates (1930:314)

<i>Amynthas</i>	<i>osmastoni</i>	(Michaelsen, 1907: 163)	Andaman Islands, and Myanmar.		<i>Pheretima "osmatoni" : Gates, 1960: 268 (lapsus for osmastoni); also sometimes misspelt "osmantoni".</i>	
<i>Amynthas ?</i>	<i>otoformes</i>	(Thai and Samphon, 1989: 72)	Laos.			<b>Comb. nov.; Species inquirenda.</b>
<i>Amynthas ?</i>	<i>ovaliporphoratus</i>	(Do et Tran, 1995: 88)	Vietnam			<b>Comb. nov.; Species inquirenda.</b>
<i>Amynthas</i>	<i>oviformis</i>	Hong and James, 2001	Korea.			
<i>Pheretima?</i>	<i>oyuensis</i>	Ohfuchi, 1937: 24	Japan.		<i>Pheretima cyuensis</i> : Sims & Easton, 1972: 225 (lapsus).	<b>Species incertae sedis.</b>
<i>Pithemera</i>	<i>pacifica</i>	(Beddard, 1899: 190)	Pacific [and New Britain from <i>bipapillata</i> synonym by Easton (1979: 27)].		<i>Pheretima bipapillata</i> Ude, 1905; 475 [non <i>Pheretima bipapillata</i> Chen, 1936 (= <i>Metaphire bucculenta</i> (Gates, 1935)]	
<i>Metaphire ?</i>	<i>packhanensis</i>	(Thai and Samphon, 1990: 13)	PacKhan, Laos.	Looks very similar to Chen's figure of <i>P. yamadai</i> .	Name misspelt "packhonensis" Thai and Samphon, 1990: 14.	<b>Comb. nov.; Species inquirenda.</b>
<i>Metaphire ?</i>	<i>pacseana</i>	(Thai and Samphon, 1988: 8-9)	Vietnam/Laos.	Compared to <i>M. peguana</i> and <i>M. bahli</i> .	?	<b>Comb. nov.; Species inquirenda.</b>
<i>Metaphire</i>	<i>paeta</i>	(Gates, 1935: 13)	Szechuan.	Caeca are shown by Chen (1936: fig. 21) to be more deeply incised than manicate.		
<i>Amynthas</i>	<i>pagyeiensis</i>	Hong in Hong, Lee	Korea.	Cf. <i>A. vallis</i> .		

		and Kim, 2001: 265	
<i>Metaphire</i>	<i>paiwanna</i>	Tsai <i>et al.</i> , 2000: Taiwan	
	<i>liliumfordi</i>	1734 in Tsai, C.-F., Tsai, S.-C., and Liaw, 2000	
<i>Metaphire</i>	<i>paiwanna</i>	Tsai <i>et al.</i> , 2000: Taiwan	Published as <i>M. paiwanna</i> typica.
	<i>paiwanna</i>	1732 in Tsai, C.-F., Tsai, S.-C., and Liaw, 2000	
<i>Metaphire</i>	<i>pajana</i>	(Michaelsen, 1928: Mt Tibang and Pajan River, Kalimantan near the border with Sarawak, Borneo and Vietnam. 33)	
<i>Pithemera</i>	<i>palaoensis</i>	(Ohfuchi, 1941: Palao. 287)	
<i>Pheretima?</i>	<i>pararva</i>	Blakemore, 2003: 8 Japan.	A parthenogenic, degraded morph of <i>Nom. nov. pro P. parvula</i> Ishizuka et al., <b><i>Species</i></b> something (cf. <i>A. imperfectus</i> ). 2000 (Non <i>Perichaeta parvula</i> Goto & <b><i>inquirenda</i></b> . Hatai, 1889 (= <i>A. gracilis</i> ) nec <i>P. parvula</i> Ohfuchi, 1956 (= <i>M. parvula</i> )). Name also misspelt by Ishizuka as "parvola" or "parvora". Possibly better placed in <i>Amyntas</i> .
<i>Amyntas</i>	<i>palgongensis</i>	Hong in Hong, Lee Korea. and Kim, 2001: 263	
<i>Metapheretima</i>	<i>pallens</i>	(Ude, 1924: 170) Papua New Guinea.	



<i>Planapheretima</i>	<i>pallescens</i>	(Michaelsen, 1928: 15)	Borneo, Sarawak, Mt Penrissen.	Thought a possible synonym of <i>P. moultoni</i> by Easton (1979: 68-69).	
<i>Amyntas</i>	<i>palmosus</i>	(Chen, 1946: 116)	Szechuan.	Miscited by Qiu & Bouche (1998: 86) as " <i>A. palmous palmous</i> ".	
<i>Metapheretima</i>	<i>panarana</i>	(Michaelsen, 1938: 167)	Panarana-del, (Mt Wilhelmina?), West Papua.	Sometimes dated "Michaelsen, 1922: 1" e.g., by Reynolds & Cook (1967: 150); cited as "1928: 137" by Gates (1938: 159) and Easton (1979: 45).	
<i>Amyntas</i>	<i>papilio hiulcus</i>	(Gates, 1932: 402)	Myanmar.		<i>Pheretima papilio</i> var. <i>fracta</i> Gates, 1933: 539 (synonym from Gates, 1972: 206).
<i>Amyntas</i>	<i>papilio papilio</i>	(Gates, 1930: 316)	Myanmar (and an unconfirmed report from India <a href="http://www.ncbi.org.in/biota/fauna/">http://www.ncbi.org.in/biota/fauna/</a> ).	Caeca originally described with "7 finger-like processes projecting from the dorsal surface" and with "Finger-shaped diverticula may be present on the intestinal caeca both doraslly and ventrally", Gates (1972: 205) later described them as "simple, but with shortly digitiform protuberances of dorsal and/or ventral margins" i.e., simple incised or pinnate (feather-like).	Non <i>P. papilio</i> : Ohfuchi (1956) - a misidentification according to Gates (1972: 205).
<i>Amyntas</i>	<i>papilio vespertilio</i>	Blakemore, 2006a: 1	Myanmar.	Nom. nov. pro <i>Pheretima papilio insignis</i> Gates, 1932: 404 (non <i>Pheretima insignis</i> Michaelsen, 1921); replacement name from Latin for "bat" as Gates (1932, fig. 5) shows genital markings reminiscent of a pair of bat's ears.	<b>Replacement name.</b>
<i>Amyntas</i>	<i>papilliferus</i>	(Gates, 1935: 13)	Zachoo, Szechuan.		

<i>Amynthas</i>	<i>papulosus</i> <i>papulosus</i>	(Rosa, 1896: 525)	Cosmopolitan in E and SE Asia.	In a recent paper, Shen <i>et al.</i> (2003) disputed their earlier inclusion of <i>A. rockefelleri</i> in <i>A. papulosus</i> and retained both taxa, but also suggested placing <i>A. hsinpuensis</i> in synonymy of <i>A. rockefelleri</i> .	<i>Pheretima papulosa</i> var. <i>sauteri</i> Michaelsen, 1922 (non Ohfuchi, 1956 - misidentification); <i>Pheretima composita rockefelleri</i> in <i>A. papulosus</i> and Gates, 1932; ? <i>Pheretima rockefelleri</i> Chen, 1933 (syn. <i>P. hsinpuensis</i> Kuo, 1985, sometimes misdated "1995").	
<i>Amynthas</i>	<i>papulosus</i> <i>savanakhetanus</i>	(Thai et Samphon, 1988: 21)	Laos.	Originally <i>P. savanakhetana</i> ; also "savanakheta"?		<b>Comb. nov.;</b> <b>Species inquirenda.</b>
<i>Amynthas</i> ?	<i>papuus</i>	(Rosa, 1898: 63)	Papua New Guinea.			<b>Species inquirenda.</b>
<i>Amynthas</i> ?	<i>paraduplicoecus</i>	(Do et Huynh, 1991 in Do, Usachev et Huynh, 1991: 53)	Vietnam	This species is very close to <i>Pheretima (?) duplicoeca</i> Thai, 1982		<b>Comb. nov.;</b> <b>Species inquirenda.</b>
<i>Polypheretima</i> ?	<i>parataprobanae</i>	(Thai and Nguyen in Nguyen, 1993: 7)	Vietnam	Also spelt "P. parataprobanea". This species is very similar to <i>Pheretima (?) taprobanae</i> Beddard.		<b>Comb. nov.;</b> <b>Species inquirenda.</b>
<i>Metapheretima</i>	<i>parmata</i>	(Ude, 1924: 80)	Papua New Guinea.	Originally <i>Pheretima parmata</i> [non <i>Perichaeta armata</i> Beddard, 1883 (= <i>Lampito mauritii</i> Kinberg, 1866)].		
<i>Amynthas</i> ?	<i>parvicystis</i>	(Goto & Hatai, 1899: 18)	Japan.	Possibly a junior synonym of <i>A. tokioensis</i> and/or <i>A. vittatus</i> .		<b>Species incertae sedis.</b>
<i>Metaphire</i>	<i>parvula</i>	(Ohfuchi, 1956)	Ryukus	Non <i>Perichaeta parvula</i> Goto & Hatai, 1898: 68 (?= <i>Amynthas gracilis</i> ) nec <i>Pheretima parvula</i> Ishizuka, et al., 2000b (= 'Pheretima' palarva Blakemore, 2003 nom. nov. pro <i>parvula</i>		

Ishizuka); *Pheretima mediparvula* : Nakamura, 1999: 2 nom. nud. (unnecessary replacement name proposed for *Pheretima parvula* Ohfuchi, 1956).

<i>Amyntas</i>	<i>parvus</i>	(Chen and Zhifang, China 1977: 177)		Male pores superficial.	<i>Pheretima mediparva</i> Nakamura, 1999: 2 [an unnecessary nom. nov. proposed to replace <i>Pheretima parva</i> Chen and Zhifang, 1977 [non <i>Perichaeta parva</i> Ude, 1893 (= <i>Metaphire parva</i> a possible junior synonym of <i>Metaphire javanica</i> ) that nevertheless is available and would compete for priority if either of the species were transferred as a new combination in the same genus].
<i>Polypheretima</i>	<i>patae</i>	Easton, 1979: 61	Papua New Guinea.	Redescribed by Easton (1984: 125).	
<i>Amyntas</i>	<i>pataniensis</i>	(Michaelsen, 1896: 224)	Moluccas.		
	<i>labuhensis</i>				
<i>Amyntas</i>	<i>pataniensis</i>	(Michaelsen, 1896: 212, 222)	Moluccas.		
	<i>pataniensis</i>				
<i>Amyntas</i>	<i>pauaiensis</i>	(Beddard, 1912: 194)	Luzon, Philippines.	Gates (1958: 6) thought that Beddard's (1912) inadequately described <i>orientalis</i> , <i>albobrunnea</i> , <i>sodalis</i> , and <i>pauaiensis</i> may all be a single species complex.	
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>paucisetosa</i>	James, 2004: 303	Mindanao, Philippines.	Cf. <i>P. quincunxia</i> .	
<i>Amyntas</i>	<i>paucillulus</i>	(Gates, 1936: 442)	Myanmar and Vietnam.	<i>A. dignus</i> (Chen, 1946) and <i>A. swanus</i> (Tsai, 1964) are included in part in this species group by Sims & Easton, 1972: 236.	
<i>Metaphire</i> ?	<i>pedunculata</i>	(Chen and Zhifang, 1977: 176)	Guizau, China.	Cannot exactly determine from description nor figure whether male pores are superficial or pouched, possibly latter.	<b>Species incertae sedis.</b>
<i>Metaphire</i>	<i>peguana</i>	(Rosa, 1890: 113)	Cosmopolitan.	Cf. <i>M. bahli</i> , <i>M. pacseana</i> .	<i>Pheretima saigonensis</i> Omodeo, 1956: 327.

<i>Amyntas</i>	<i>penichaetiferus</i>	(Thai, 1984: 1323)	Vietnam.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>penpuensis</i>	Shen <i>et al.</i> in Shen, Tsai C-F. & Tsai, S-C., 2003: 481	Taiwan.	Similar to <i>A. fornicatus</i> but dorsal pores from 5/6/7.	
<i>Polypheretima</i>	<i>pentacystis</i>	(Rosa, 1891: 400)	Mahe Island, Seychelles and Madagascar.		
<i>Metaphire</i>	<i>perelae</i>	(Thai, 1982: 827)	Vietnam.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Metaphire</i>	<i>perichaeta</i>	(Beddard, 1900: 896)	?Patalung or Pattalung State, Thailand.	Originally <i>Amyntas perichaeta</i> (possibly a lapsus for <i>A. perichaetus</i> ). Held a possible synonym of <i>M. virgo</i> (Beddard, 1900: 895) by Gates (1972: 222) who gives the publication date as "Beddard, 1901", although Stephenson (1932) had maintained these two taxa separately, as here.	
<i>Amyntas</i>	<i>perkinsi</i>	(Beddard, 1896: 198)	Hawaii.	It is not certain whether this taxon, an erstwhile sub-species of <i>Megascolex indicus</i> , follows it into synonymy of <i>A. corticis</i> as suggested by Gates (1972: 149)	
<i>Amyntas</i>	<i>petahanus</i>	(Michaelsen, 1934: 102)	Long Petah, Central Borneo, Indonesia.	Easton, 1979: 119 transferred this taxon to <i>Amyntas</i> from <i>Metapheretima</i> .	
<i>Polypheretima</i>	<i>phacellotheca</i>	(Michaelsen, 1899: 47)	Mt. Masarang, near Tomohon (type locality), Buru, North Celebes, Indonesia.	<i>Amyntas phacellotheca</i> (corr. Michaelsen, 1900: 293).	
<i>Amyntas</i> ?	<i>phaluonganus</i>	(Do and Huynh in Thai, Do and Huynh, 1992: 1)	Vietnam		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>

<i>Amyntas</i>	<i>phaselus</i>	(Hatai, 1930: 659)	Japan, Korea (Hainan and Laos for <i>P. mutica</i> ).		<i>(Pheretima phaselus</i> Hatai, 1930 [sic]); <i>(Pheretima maculosus</i> Hatai, 1930 [sic])? [non <i>Pheretima maculosa</i> Gates, 1933 (= <i>Amyntas malacus</i> (Gates, 1936) nom. nov. pro <i>Pheretima maculosa</i> Gates, 1933 as confirmed by Sims & Easton (1972: 237) and Gates (1972: 199), cf. Nakamura (1999b: 2) who proposed the unnecessary and invalid replacement name “ <i>Pheretima medimaculosa</i> ” for Gates’s <i>P. maculosa</i> ]; <i>(Pheretima kamitai</i> Kobayashi, 1934)?; <i>(Pheretima phaselus tamurai</i> Kobayashi, 1938)?; <i>Pheretima mutica</i> Chen, 1938, <b>Syn. nov.</b>
<i>Pheretima</i> <i>(Pheretima)</i>	<i>philippina</i>	(Rosa, 1891: 397)	Cebu, Philippines and <i>(bindjeyensis)</i> Sumatra.	Cf. <i>P. callosa</i> . <i>Synonym</i> <i>bindjeyensis</i> is from Beddard (1900a: 616) but Michaelsen (1913: 90) and Sims & Easton (1972) disagreed.	<i>(Amyntas bindjeyensis</i> Michaelsen, 1899: 94? - cf. <i>Metaphire bindjeyensis</i> ).
<i>Amyntas</i> ?	<i>philippinensis</i>	Hong & James, 2004: 729	Philippines.		
<i>Pithemera</i>	<i>philippinensis</i>	James <i>et al.</i> in James, Hong and Kim, 2004	Mt Arayat, Luzon, Philippines		
<i>Amyntas</i>	<i>piagolensis</i>	Hong and James, 2001	Korea.		
<i>Metapheretima</i>	<i>pickfordi</i>	(Gates, 1959: 18)	Rennell Isl., Solomons	Dated by Sims & Easton (1972), Reynolds & Cook (1976) and Easton (1979; 1984) as "Gates,	

			and VanuaTu.	1957"; Lee (1981) and Blakemore (1997) have it as "Gates, 1959".	
<i>Archipheretima</i>	<i>picta</i>	(Michaelsen, 1892: 246)	Borneo, including Sampit, Kalimantan and Sarawak	( <i>beccarii</i> ). <i>Pheretima beccarii</i> Cognetti, 1910.	
<i>Amyntas</i>	<i>picteti</i>	(Rosa, 1901: 133)			
<i>Metaphire</i>	<i>planata</i>	(Gates, 1926: 411)	Rangoon, Myanmar and also found on Andamans and in Assam, India; and Bangladesh, Thailand, Malaya and Vietnam.		
<i>Amyntas</i>	<i>plantopapillatus</i>	(Thai, 1982: 819)	Vietnam.	Non <i>P. plantoporophorata</i> Thai, 1984.	<b><i>Species inquirenda.</i></b>
<i>Amyntas</i>	<i>plantoporophoratus</i>	(Thai, 1984: 287)	Vietnam and China.	Non <i>P. plantopapillata</i> Thai, 1982.	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Amyntas</i>	<i>plantus</i>	(Song and Paik, 1973: 6)	Mt Sopaik, Korea.		<b><i>Species inquirenda.</i></b>
<i>Amyntas</i> ?	<i>platycorpus</i>	(Thai, 1982: 821)	Vietnam/Laos.	Name suggests flat body ( <i>Planapheretima</i> ?).	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Metaphire</i> ?	<i>plesiopora</i>	(Qiu, 1988: 1)	Guizhou, China.	Originally <i>Pheretima plesiopora</i> .	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Planapheretima</i>	<i>plumatomusculata</i>	(Thai, 1982: 829)	Vietnam	Spermathecal pores dorsal or dorsolateral and may have 2 or 3 pairs in 5/6/7 or 5/6/7/8; a leaf-crawler (Thai, 1997: 7).	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>pluviosa</i>	Cognetti, 1913: 300	Regen (Rain) Isle, West New Guinea		

<i>Pheretima</i>	<i>poiana</i>	Michaelsen, 1913:	North Borneo, Sarawak, Mt Poi (and Beran, Kalimantan, Indonesia).		
( <i>Pheretima</i> )		88			
<i>Amyntas</i>	<i>polychaetiferus</i>	(Thai, 1984: 1317)	Vietnam.		<b><i>Comb. nov.;</i></b>
					<b><i>Species</i></b>
					<b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>polyglandularis</i>	(Tsai, 1964)	Taiwan.	Here elevated to specific rank and separated from its previous sub-species on the basis of its simple intestinal caeca. It may nevertheless merit sub-specific status, along with <i>A. kinabalu</i> , under <i>A. kinfumontis</i> (Chen, 1946).	<i>Amyntas omeimontis polyglandularis</i> : Sims & Easton, 1972: 244, 258.
<i>Amyntas</i>	<i>polypapillatus</i>	Qiu & Wang, 1994	China.	?	?
					<b><i>Species</i></b>
					<b><i>incertae sedis.</i></b>
<i>Polypheretima</i>	<i>polytheca</i>	(Beddard, 1900: 897)	Kelantan, Malay peninsula.	Holotype in same sample as <i>A. kelantanensis</i> (= <i>M. houletti</i> ). Synonymy from Easton (1979: 49) where he notes that the taxon <i>Ph. polytheca aruensis</i> Michaelsen, 1910 is provisionally placed in <i>Po. bifaria</i> .	<i>Amyntas minutus</i> Beddard, 1900: 906 [non <i>Ph. minuta</i> Gates, 1929: 18 (= <i>A. exiguus</i> )].
<i>Amyntas</i>	<i>polytoreutus</i>	(Michaelsen, 1928: 27)	Sarawak, Borneo.		

<i>Amynthas</i>	<i>pomellus</i>	(Gates, 1935: 14)	Suifu, Szechwan.		
<i>Amynthas</i>	<i>pomosus</i>	(Chen, 1946: 102)	Mt Omei, Szechwan.		[Name restored under ICZN (1999: Art. <b>Emend.</b> 32.5) from incorrect original spelling of the name as "domosa" by Chen (1946: 102) for "pomosa" as cited by Chen (1946: 139 and Plate IV D). Sims & Easton (1972: 253) and Reynolds & Cook (1976) have erroneously retained the name "domosus"].
<i>Amynthas</i>	<i>pongchii</i>	(Chen, 1936: 279)	Chungking, Szechwan.		
<i>Metaphire</i>	<i>posthuma</i>	(Vaillant, 1868/9: 228)	Cosmopolitan.	[Various A and I-morphs mentioned by Beddard (1900) were thought possible misidentifications by Gates (1972: 214)].	<i>Perichaeta affinis</i> Perrier, 1872; <i>Pheretima incerta</i> Beddard, 1912: 197. Syn. nov..
<i>Metaphire</i>	<i>prava</i> <i>mungxenensis</i>	(Thai & Tran, 1986: 11)	Vietnam/Laos.		<b>Comb. nov.; Species inquirenda.</b>
<i>Metaphire</i>	<i>prava prava</i>	(Chen, 1946: 90)	Mt Omei, Szechwan.		
<i>Metaphire</i> ?	<i>primadamae</i>	(Michaelsen, 1934: 526)	Pulo Dama Island in the Gulf of Thailand, Vietnam.	Sims & Easton (1972: 245) listed under <i>Amynthas</i> , but Michaelsen's Fig. 18 appears to show male pores within a slight body wall pouch and covered with flaps, thus not strictly superficial, therefore possibly <i>Metaphire</i> .	<b>Comb. nov.</b>
<i>Amynthas</i>	<i>principalis</i>	(Michaelsen, 1932)	Bali.		Sometimes misspelt "principalus".
<i>Amynthas</i>	<i>procerus</i>	(Gates, 1937: 193)	Singapore.	Cf. <i>Metaphire malayana</i> .	



<i>Amynthas</i>	<i>proporus</i>	(Rosa, 1896)	Sumatra.		Probably a synonym of <i>A. gracilis</i> .
<i>Metaphire</i>	<i>ptychosiphona</i>	Qiu & Zhong, 1993: 38	China?	?	? ?
<i>Amynthas</i>	<i>puerilis</i>	(Chen, 1938: 394)	Hainan.		
<i>Metaphire</i>	<i>pulauensis</i>	(Beddard, 1900: 904)	Malaysia.	Cf. <i>M. hilgendorfi</i> .	Misspelt "pulanensis" by Beddard (1900: 892); note: this taxon mistakenly included in malayana according to Gates (1972).
<i>Metaphire</i>	<i>pulchra</i>	(Michaelsen, 1892: 233)	Philippines.	Sims & Easton (1972: 239) M. pulchra group (misspelt "pulcha") includes ferion, pulchra, and quadragenaria.	<i>Amynthas pulcher</i> : Michaelsen, 1899: 16 (lapsus); <i>Metaphire pulcha</i> : Sims & Easton, 1972: 245 (lapsus).
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>pura</i>	(Rosa, 1898: 285)	Sunda Island, Lombok.		
<i>Amynthas</i>	<i>purpuratus</i>	(Ishizuka, 1999)	Japan.		
<i>Amynthas</i>	<i>purpureus</i>	(Benham, 1897: 445)	Celebes.		Put in synonymy of <i>A. halmaherae halmaherae</i> by Beddard (1900a: 630).
<i>Metaphire</i>	<i>puyuma</i>	Tsai <i>et al.</i> , 1999: 42 in Tsai, C.-F., Shen, and Tsai, S.-C., 1999.	Taiwan.		
<i>Metaphire</i>	<i>quadragenaria</i>	(Perrier, 1872: 122)	"East Indies"; Michaelsen (1900) and Stephenson (1923: 290)	Possibly in <i>Pheretima</i> if nephridia on spermathecal ducts. Sometimes misspelt "quandragenaria" or "quadrangenaria".	

thought this not India proper, but more likely the Malay Archipelago; from Sebesi Island, Indonesia; (China?).

<i>Amyntas</i>	<i>quadrapulvinatus</i>	Wu & Sun, 1997: 3 in Sun, X. & Wu., J., 1997.	Yunnan, China.	?	<b><i>Species inquirenda.</i></b>
<i>Metaphire</i>	<i>quadrigemina</i>	(Gates, 1932: 486)	Myanmar.		
<i>Metaphire</i>	<i>quadripapillata</i>	(Michaelsen, 1899: 93)	Sumatra.	Cf. <i>M. posthuma</i> .	
<i>Begemius</i>	<i>queenslandicus</i>	(Fletcher, 1886: 962)	Cape York, Qld.		
<i>Metaphire</i>	<i>quelparta</i>	(Kobayashi, 1937: 347, fig 5)	Cheju (=Quelpart) Island, South Korea		<i>Pheretima keishuensis</i> Kobayashi, 1938: 90 is a nomen nudum that was referred to this taxon.
<i>Metapheretima</i>	<i>queribunda</i>	(Gates, 1958: 25)	Guadalcanal, and Russel Is. Solomon Islands.		
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>quincunxia</i>	James, 2004: 295	Mindanao, Philippines.		
<i>Metapheretima</i>	<i>quinqueremis</i>	Easton, 1979: 85	Papua New Guinea.		
<i>Amyntas</i>	<i>quintanus</i>	(Ishizuka, 1999)	Japan		
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>racemosa</i>	(Rosa, 1891: 399)	Java, Indonesia; Borneo. found it on Billinton and Kalimantan.	(Rosa first states it is from Java, Borneo, he had specimens from both places). Michaelsen	
<i>Amyntas</i>	<i>rallus</i>	(Gates, 1936: 104)	Pahang, Malaysia.	There seems nothing substantial to	<i>Pheretima rallida</i> Gates, 1936: 106. <b>Syn. nov.</b>

				separate these two taxa, the former based on immature specimens. [ <a href="http://rmbr.nus.edu.sg/rbz/biblio/12/12brm087-117.pdf">http://rmbr.nus.edu.sg/rbz/biblio/12/12brm087-117.pdf</a> ].	
<i>Planapheretima</i>	<i>rarusa</i>	(Thai, 1997: 1)	Vietnam.	Reallocation suggested by title of article.	<b><i>Comb. nov.;</i></b>
?					<b><i>Species</i></b>
					<b><i>inquirenda.</i></b>
<i>Begemius</i>	<i>raveni</i>	Easton, 1982: 723	Cape York, Qld.		
<i>Amynthas</i>	<i>rechingeri</i>	(Cognetti, 1909)	Samoa and Hawaii.		
<i>Amynthas</i>	<i>reisuiensis</i>	(Kobayashi, 1938: 139)	Korea.	Possibly <i>Metaphire</i> as stated to have secondary male pores.	Borderline.
<i>Amynthas</i>	<i>rennellanus</i>	(Gates, 1957)	Pacific.	Possibly a synonym or subspecies of <i>A. aeruginosus</i> .	
<i>Polypheretima</i>	<i>renschii</i>	(Ude, 1932: 141)	W. Flores, Indonesia.		
<i>Amynthas</i>	<i>rhabdoidus</i>	(Chen, 1938: 410)	Hainan.		
<i>Amynthas</i>	<i>rimosus</i>	(Gates, 1932: 537)	Myanmar.	Sometimes cited as "effeminata rimosa" e.g. Reynolds & Cook (1967: 97, 163) list both alternatives without comment. Gates (1972) fails to mention this sub-species.	Probably a synonym of the nominal sub-species.
	<i>effeminatus</i>				
<i>Amynthas</i>	<i>rimosus rimosus</i>	(Gates, 1931: 408)	Myanmar and Yunnan, China.		
<i>Metaphire</i>	<i>riukiensis</i>	(Ohfuchi, 1957)	Ryukus		
<i>Amynthas</i>	<i>robustus</i>	(Perrier, 1872: 112)	Cosmopolitan.		<i>Perichaeta masatacae</i> Beddard, 1892: 761 (name sometimes misspelt "mastakae"); <i>Pheretima campestris</i>

Goto & Hatai, 1898: 67 [non *campestris* Lee, 1952 (= *A. corticis*)]; ?*Pheretima lauta* Ude, 1905: 464 [syn. *Pheretima siemsseni* Michaelsen, 1931: 17 (?part.), ?*Pheretima fokiensis* Michaelsen, 1931: 19 (from Chen, 1933: 282; 1936: 271 and Gates, 1935: 15)]; ?(*Pheretima zavattarii* Cognetti, 1909); *Pheretima ornata* Gates, 1927: 20; *Pheretima corrugata* Chen, 1931: 131 (this synonym from Chen, 1936: 271, cf. *A. kulingianus*); ?*Pheretima sheni* Chen, 1935: 38 (cf. *A. illotus*).

*Perichaeta dyeri* Beddard, 1892; *Perichaeta sinensis* Beddard, 1892; ?*Perichaeta trinitatis* Beddard, 1896; *Perichaeta monilicystis* Michaelsen, 1892: 251.

*Amyntas rodericensis* (Grube, 1879) Cosmopolitan.

*Pithemera rotunda* James *et al.* in James, Hong and Kim, 2004 Mt Arayat, Luzon, Philippines

*Amyntas rubellus* (Gates, 1936: 108) Pahang, Malaysia.

*Pheretima rubida* James, 2004: 304 Mindanao, Philippines. Cf. *P. paucisetosa*.

(*Pheretima*)

*Pheretima rufa* Gates, 1948: 160 Wilhemina summit, West Papua New Guinea. Similar to *Ph. aberrans*; said by Gates to differ from all other members of an *aberrans*- group only in the unpaired U-shaped testis sacs. Originally *Pheretima rufa*.

*Planapheretima rufomaculata* (Gates, 1948: 162) Rattan Camp near Idenburg River (1,200m); and Mist Camp (1,450m), West Papua.

*Amyntas rutilus* (Gates, 1936: 111) Pahang, Malaysia.

Misspelt "rutidus" in Sims & Easton, 1972: 236.



Michaelsen, 1896: 204 and  
*sangirensis crassicystis* 1899: 79,  
 but this is corrected in Reynolds &  
 Cook (1981: 30). Reynolds &  
 Cook (1976: 181) also mistake  
*crassicystis tobeloensis* page number  
 as Michaelsen, 1896: 204, cf. Sims  
 & Easton (1972) who quote  
*crassicystis crassicystis*  
 (Michaelsen, 1896: 204) and c.  
*tobeloensis* (Michaelsen, 1896: 207).

<i>Pheretima</i>	<i>sangirensis</i>	(Michaelsen, 1891: 36)	Indonesia, Sangir (type locality) ; Laiwui, Obi ; Lobo Karakelang, also Moluccas.	Misquoted as <i>Amyntas sangirensis typicus</i> Michaelsen, 1899: 77 by Reynolds & Cook (1976: 184).
<i>(Pheretima)</i>	<i>sangirensis</i>			
<i>Amyntas</i>	<i>sangumburi</i>	Hong & Kim, 2002: 198	South Korea.	
<i>Metaphire</i>	<i>sanseiana</i>	(Ohfuchi, 1951: 56)	Sansei, China.	Possibly a synonym of <i>M. quelparta</i> (Kobayashi, 1937), the subsequent <i>P. indigo</i> is probably a further synonym.
<i>Metaphire</i>	<i>saonekana</i>	(Cognetti, 1913: 39)	Saonek Island near Waigeu Isl. (West of New Guinea).	Sims & Easton, 1972: 193 inspected type and say intestinal caeca 'complex' (= simple, incised) just as Cognetti said.
<i>Amyntas</i>	<i>sapinianus</i>	(Chen, 1946: 130)	Chungking (Szechwan) and Vietnam.	

**Species**  
**inquirenda.**

<i>Amyntas</i>	<i>sarasinorum</i>	(Michaelsen, 1899)	Matinang, North Celebes; Indonesia.	
<i>Metaphire</i>	<i>schmardae</i>	(Michaelsen, 1899)	Japan and China.	
	<i>macrochaeta</i>			
<i>Metaphire</i>	<i>schmardae</i>	(Horst, 1883: 194)	Cosmopolitan.	Often misspelt "schumardae". [Non <i>Megascolex schmardae</i> Michaelsen, 1897]; Syns. <i>Perichaeta trityphla</i> Beddard, 1896 [name misspelt "trityphia" e.g. Sims & Easton, 1972: 246]; <i>Pheretima kikuchii</i> Hatai & Ohfuchi, 1936: 767.
	<i>schmardae</i>			
<i>Amyntas</i>	<i>scholasticus</i>	(Goto & Hatai, 1898)	Japan	Michaelsen (1900) and Easton (1981) have this species with four pairs of spermathecae in 4/5/6/7/8 as originally described, but Sims & Easton (1972: 236; 268) mistakenly place it in an <i>Amyntas hexathecus</i> -group with five pairs.
<i>Amyntas</i>	<i>schraderi</i>	(Gates, 1970)	New Guinea	
<i>Pheretima</i>	<i>schultzei</i>	Ude, 1924: 83	New Guinea	
	( <i>Parapheretima</i> )			
<i>Metaphire</i>	<i>scitula</i>	(Gates, 1936: 457)	Andaman Islands.	Ohfuchi's (1956) report from Caroline Islands is clearly mistaken.
<i>Pithemera</i>	<i>sedgwicki</i>	(Ude, 1932)	New Britain.	
	<i>cognettii</i>			
<i>Pithemera</i>	<i>sedgwicki</i>	(Benham, 1897)	New Britain.	Possibly meriting new genus?
	<i>sedgwicki</i>			
<i>Metapheretima</i>	<i>sembalunensis</i>	(Ude, 1932: 139)	Sembalun, Lombok (Type locality) ; Surawadi-Lombok ; Mataram-Lombok ; Lake Tihoe,	Sometimes misspelt "sembaluensis". <i>Pheretima (Metapheretima) rosai</i> Ude, 1932: 140.

Ladjang-Lombok;  
Indonesia.

<i>Amyntas</i>	<i>semifasciatus</i>	(Michaelsen, 1899)	Matinang, North Celebes; Indonesia.	
<i>Pithemera</i>	<i>sempoensis</i>	(Kobayashi, 1938: 149)	Korea.	
<i>Polypheretima</i>	<i>sempolensis</i>	Easton, 1979: 39	Gunung Raung, Sempol (1400-1500m), East Java; Indonesia.	
<i>Polypheretima</i>	<i>sepikensis</i>	(Ude, 1924: 81)	Papua New Guinea.	
<i>Metaphire</i>	<i>seponensis</i>	(Thai and Samphon, 1989: 68)	Laos, also reported from Vietnam.	Parasites reported by Spiridonov (1994/5) and a new report from Vietnam by unknown authors. <b>Comb. nov.; Species inquirenda.</b>
<i>Metapheretima</i>	<i>septocta</i>	Easton, 1979: 103	Papua New Guinea.	
<i>Planapheretima</i>	<i>sera</i>	Easton, 1979: 73	Borneo, Sarawak, Gunong Mulu.	GM 19 & 20.
<i>Amyntas</i>	<i>serenus</i>	(Gates, 1936: 113)	Pahang, Malaysia.	
<i>Metapheretima</i>	<i>sergei</i>	Easton, 1984: 117	Tonga.	Easton (1984) said it is similar to <i>Me. bulmeri</i> spp-group but lacks spermathecal diverticula.
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>sermowaiiana</i>	Cognetti, 1914: 360	New Guinea	
<i>Amyntas</i>	<i>serratus</i>	(Kobayashi, 1936)	Korea.	
<i>Metaphire</i> ?	<i>servina</i>	(Hatai and Ohfuchi, 1937)	Japan.	Possibly a junior synonym of <i>Amyntas vittatus</i> . <b>Species inquirenda.</b>
<i>Amyntas</i>	<i>seungpanensis</i>	(Song and Paik, 1970: 11)	Korea.	Overlooked by Sims & Easton, 1972; and by Reynolds & Cook, 1976, but reported by Easton, 1979: 120.
<i>Amyntas</i>	<i>sexpectatus</i>	Tsai <i>et al.</i> , 1999: 38	Taiwan.	



in Tsai, C.-F., Shen,  
and Tsai, S.-C.,  
1999.

<i>Polypheretima</i>	<i>sibogae</i>	(Michaelsen, 1922: Lombok. 23)	At one time placed in <i>Ephemitra</i> Sims & Easton, 1972.
<i>Metaphire</i>	<i>sieboldi</i>	(Horst, 1883: 191) Japan.	Horst originally described as <i>Pheretima setosa</i> Cognetti, 1908 [non <i>Pheretima setosa</i> Ishizuka et al., 2000b (= <i>A. corticis</i> )].
<i>Amynthas</i>	<i>siemsseni</i>	(Michaelsen, 1931: Foochow, China. 17)	Possibly a synonym of <i>A. aspergillum</i> .
<i>Amynthas</i>	<i>sigillatus</i>	(Gates, 1936: 115) Pahang, Malaysia.	
<i>Amynthas</i>	<i>silvestris</i>	(Michaelsen, 1923: Sumatra. 16)	Non <i>Pheretima silvestris</i> Ishizuka, 2000b: 18 (an invalid name for specimens now included in <i>A. corticis</i> ).
<i>Metaphire</i>	<i>simplex</i>	(Michaelsen, 1928: Mt Penrissen (1,200m) 48) and Mt Matang, Sarawak, Borneo.	Cf. <i>M. erici</i> .
<i>Metapheretima</i>	<i>simsi</i>	Easton, 1979: 87 Papua New Guinea.	
<i>Pheretima</i>	<i>simsi</i>	James <i>et al.</i> in Mt Arayat, Luzon, Philippines James, Hong and Kim, 2004	
<i>Amynthas</i>	<i>sinabunganus</i>	(Michaelsen, 1923: Sumatra. 12)	
<i>Metaphire</i>	<i>singalangi</i>	(Michaelsen, 1930: Sumatran (Fort de Kock). 3)	Original spelling is <i>singalangi</i> ; misspelt "singgalangi" sometimes, e.g. Sims & Easton (1972) and Reynolds & Cook (1976: 172).

<i>Amyntas</i>	<i>sinsiensis</i>	Hong and James, 2001	Korea.	
<i>Metaphire</i>	<i>sintangi</i>	(Michaelsen, 1922: 28)	Indonesia, including Kalimantan.	
<i>Amyntas</i>	<i>sinuosus</i>	(Chen, 1938: 407)	Hainan.	
<i>Amyntas</i>	<i>sladeni</i>	Lee, 1981: 547.	VanuaTu.	
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>sluiteri</i>	(Horst, 1890: 234)	Sunda Island, "Billiton" between Sumatra and Borneo.	Probably a junior synonym of <i>Metaphire californica</i> .
<i>Metaphire</i>	<i>socsonensis</i>	(Thai, 1984: 286)	Vietnam.	<b>Comb. nov..</b>
<i>Amyntas</i>	<i>sodalis</i>	(Beddard, 1912: 192)	Luzon, Philippines.	Probably a synonym of <i>A. orientalis</i> .
<i>Metapheretima</i>	<i>sola</i>	Easton, 1979: 93	Papua New Guinea.	
<i>Amyntas</i>	<i>solomonis</i>	(Beddard, 1899: 188)	Salomon Islands (alternative name for Solomons), Narovo (= Simbo Is.) and New Georgia.	Name sometimes misspelt "salomonis", eg. by Michaelsen (1900) and by Reynolds & Cook (1976) who list both versions.
<i>Amyntas</i> ?	<i>sonellus</i>	(Gates, 1936: 458)	Myanmar.	Has many setae ventrally, up to 160 per segment (?= <i>Planapheretima</i> ), but is larger size: 130-180mm. <b>Species inquirenda.</b>
<i>Amyntas</i>	<i>songnisanensis</i>	Hong & Lee, 2001: 284	Mt Songni, Korea.	
<i>Amyntas</i>	<i>sopaikensis</i>	(Song & Paik, 1973: 7)	Mt Sopaik, Korea.	
<i>Pleionogaster</i>	<i>sorsogonensis</i>	James, 2006: 12	Bulusan, Luzon, Philippines.	Cf. <i>Pl. caramoanensis</i> .

<i>Metaphire</i>	<i>soulensis</i>	(Kobayashi, 1938)	Korea and Japan.		<i>Pheretima shinkeiensis</i> Kobayashi, 1938 <b>Syn. nov.;</b>
					<i>Pheretima aokii</i> Ishizuka, 1999 <b>Syn. nov.</b>
<i>Begemius?</i>	<i>spectabilis</i>	(Rosa, 1898: 60)	Papua New Guinea.	Possibly <i>Begemius?</i>	<i>Pheretima spectabilis</i> (Rosa, 1898) <b>Species</b> comb. nov. pro <i>Perichaeta neoguinensis</i> <b>inquirenda.</b> <i>spectabilis</i> Rosa, 1898 (Michaelsen, 1900: 304) - (Sims & Easton, 1972: 237 footnote as they transferred it to an <i>Amyntas versteegi</i> -group).
<i>Metapheretima</i>	<i>speiseri</i>	(Michaelsen, 1913: 263)	VanuaTu, Tonga.	Previously placed (erroneously?) in <i>Planapheretima</i> by Sims & Easton (1972).	
<i>Polypheretima</i>	<i>spiridonovi</i>	(Thai, 1996: 3)	Vietnam.		<b>Comb. nov.;</b> <b>Species</b> <b>inquirenda.</b>
<i>Polypheretima</i>	<i>stelleri</i>	(Michaelsen, 1891: 39)	Sangihe Island, North Celebes Sea (type locality); Talaud; Bone valley and Matinang range, North Celebes, Indonesia; (Borneo?).	In a <i>Po. elongata</i> spp-complex. Cf. <i>Amyntas stelleri annectens</i> Michaelsen, 1899: 42. [This synonymy from Easton, 1976: 44]	<b>Type species.</b>
<i>Metaphire</i>	<i>stephensoni</i>	(Michaelsen, 1934: 543)	Mt Lang Biang (1,500-2,000m), South Vietnam.		
<i>Metapheretima</i>	<i>stingi</i>	Easton, 1979: 109	Papua New Guinea.		
<i>Amyntas</i>	<i>stipatus</i>	(Ishizuka, 1999)	Japan		<b>Species</b>

*incertae sedis.*

<i>Metaphire</i>	<i>subtilis</i>	(Gates, 1943: 104)	Myanmar.	
<i>Planapheretima</i>	<i>subulata</i>	(Michaelsen, 1899: 29)	Luwu, Kalaenagebiet, Takalekadjo, Central Celebes (type localities), Indonesia.	Originally <i>Amyntas subulatus</i> . Transferred from <i>Metapheretima</i> by Easton (1979: 69).
<i>Amynthas</i>	<i>sucatus</i>	(Chen, 1946: 88)	Mt Omei, Szechwan and Vietnam.	[Non <i>P. sulcata</i> Gates, 1932 (= <i>A. sulcatus</i> )].
<i>Metapheretima</i>	<i>sucklingensis</i>	Easton, 1979: 102	Papua New Guinea.	
<i>Amynthas</i>	<i>suctorius mullani</i>	(Stephenson, 1924: 340)	India.	Put in synonymy of <i>A. alexandri typica</i> by Gates (1931: 366).
<i>Amynthas</i>	<i>suctorius</i>	(Michaelsen, 1907: 165)	Andaman and Nicobar Islands; Bombay.	
<i>Amynthas</i>	<i>suiyangensis</i>	Qiu <i>et al.</i> , 2002 in Qiu, Lu, Xiao and Chen, 2002.	Guizhou, China.	Species name also cited in poster abstract for Cardiff Conference by Qiu, Lu, Xiao and Chen, 2002: 57. ?
<i>Amynthas</i>	<i>sulcatus</i>	(Gates, 1932: 424)	Myanmar.	[Non <i>P. sucata</i> Chen, 1946].
<i>Amynthas</i>	<i>supuensis</i>	(Michaelsen, 1896: 225)	Supu, Halmahera, Moluccas.	Miscited as "supeunsis" by Sims & Easton (1972: 237).
<i>Amynthas</i>	<i>susakii patinus</i>	(Kobayashi, 1936: 171)	Korea	Male pores differ from type species.
<i>Amynthas</i>	<i>susakii susakii</i>	(Kobayashi, 1936: 171)	Korea	

***Nomen nudum.***

<i>Amynthas</i>	<i>swanus</i>	(Tsai, 1964)	Taiwan and Vietnam.	See <i>A. pauxillulus</i> .
<i>Polypheretima</i>	<i>swelaensis</i>	(Ude, 1932: 178)	Lombok, Indonesia.	Original name <i>Metapheretima swelaënsis</i> ; placed in <i>Amynthas</i> by Sims & Easton (1972: 246), <i>Polypheretima</i> by Easton (1979: 60). Someone has mistakenly reported 4 pairs of spermathecae.
<i>Amynthas</i>	<i>szechuanensis</i>	(Chen, 1931: 159)	Szechwan.	Sometimes mistakenly said to have simple caeca.
<i>Amynthas</i>	<i>szechuanensis</i> <i>vallatus</i>	(Chen, 1946: 103)	Mt Omei, Szechwan.	Probably merits specific status. [Name misspelt "valatus" or "valata" by Sims & Easton, 1972: 246; and by Reynolds & Cook, 1976: 186].
<i>Amynthas</i>	<i>taebaekansis</i>	Hong and James, 2001	Korea.	
<i>Metaphire</i>	<i>tahanmonta</i>	Chang & Chen, 2005: 1475	Mt Tahan, Taiwan in mountain up to 2000m.	
<i>Amynthas</i>	<i>taipeiensis</i>	(Tsai, 1964)	Taiwan.	<i>Pheretima heterogens</i> Chen and Hsü, in Chen, Hsü, Yang and Fong, 1975 is a possible synonym.
<i>Amynthas</i>	<i>taitensis</i>	(Grube, 1866: 180)	Pacific e.g. VanuaTu.	Possibly a senior synonym to <i>A. Perichaeta grubei</i> Rosa, 1891: 395; <i>Perichaeta upoluensis</i> Beddard, 1887; <i>Perichaeta recta</i> Rosa, 1898: 284 (miscited by Easton, 1984: 118 as <i>Pheretima recta</i> Ude, 1905: 432). [Non <i>Perichaeta taitensis</i> (part, example 2) Grube, 1867: 36 (= <i>Pheretima montana</i> Kinberg, 1867)].
<i>Metaphire</i>	<i>taiwanensis</i>	Tsai <i>et al.</i> , 2004: 878 in Tsai C.F, Tsai, S.C. and	Taiwan.	Previous nomen nudum mentioned in Shen <i>et al.</i> , 2003: 479 as "Tsai <i>et al.</i> 2003" (actually in 2003 still in press).

<i>Amynthas</i>	<i>tamaensis</i>	Shen, H.P., 2004 (Ishizuka, 1999)	Japan		<b><i>Species incertae sedis.</i></b>
<i>Polypheretima</i>	<i>tamarae</i>	Easton, 1984: 126	North-east Papua New Guinea.		
<i>Polypheretima</i>	<i>tani</i>	(Thai, 1996: 4)	Vietnam		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amynthas</i>	<i>tantulus</i>	Shen <i>et al.</i> , 2003: 484 in Shen, Tsai C.-F., and Tsai, S.-C., 2003.	Taiwan.	Similar to <i>A. dactilicus</i> .	
<i>Amynthas</i>	<i>tappensis</i>	(Ohfuchi, 1935)	Japan.	Possibly a junior synonym of <i>Amynthas vittatus</i> .	<i>Pheretima bimaculata</i> Ishizuka, 1999b: 42; <i>Pheretima silvatica</i> Ishizuka, 1999b: 46; <i>Pheretima surcata</i> Ishizuka, 1999b: 48; <i>Amynthas odaesanensis</i> Hong and James, 2001; <i>Amynthas righii</i> Hong and James, 2001; <i>Amynthas fasciiformis</i> Hong and James, 2001; ? <i>Amynthas sanchongensis</i> Hong & James, 2001 (if not synonymous, then possibly in <i>Metaphire</i> with non-superficial male pores).
<i>Polypheretima</i>	<i>taprobanae</i>	(Beddard, 1892: 163)	Cosmopolitan	Sims & Easton, 1972: 191 inspected type and say intestinal caeca absent.	<i>Perichaeta pauli</i> Michaelsen, 1897: 243; <i>Polypheretima taprobaena</i> (laps.): Easton, 1979: 45.
<i>Metapheretima</i>	<i>tawarinensis</i>	(Cognetti, 1911: 2)	Tawarin, Papua New Guinea.	Originally spelt "tavvarinensis" (i.e. with two "v"s) but type locality is given as Tawarin River.	

<i>Amynthas</i>	<i>tayalis</i>	Tsai <i>et al.</i> , 1999: 36	Taiwan.		
		in Tsai, C.-F., Shen,			
		and Tsai, S.-C.,			
		1999.			
<i>Metaphire</i>	<i>tecta</i>	(Chen, 1946: 120)	Szechuan.		
<i>Planapheretima</i>	<i>tenebrica</i>	(Chen, 1946: 93)	Mt Omei, Szechwan and	Sometimes mistakenly said to have 5 pairs spermathecae.	
			Vietnam.		
<i>Amynthas</i>	<i>terrigenus</i>	(Gates, 1932: 482)	Myanmar.		Cf <i>A. choprai</i> and <i>A. fucosus</i> .
<i>Amynthas</i>	<i>tertiadamae</i>	(Michaelsen, 1934: 535)	Vietnam (Pulo Dama island in the Gulf of Siam).		
<i>Amynthas</i>	<i>tessellatus paucus</i>	Shen <i>et al.</i> 2002: 2	Taiwan.		
		in Shen, Tsai C.-F.			
		and Tsai, S.-C.,			
		2002			
<i>Amynthas</i>	<i>tessellatus</i>	Shen <i>et al.</i> 2002: 2	Taiwan.	Previous nomen nudum mentioned in Tsai <i>et al.</i> , 2001: 276 as "(Shen et al. 2001)" for a paper that was "submitted" (actually published in 2002 by Shen, Tsai and Tsai).	
	<i>tessellatus</i>	in Shen, Tsai C.-F.			
		and Tsai, S.-C.,			
		2002			
<i>Amynthas</i>	<i>tetrapapillatus</i>	Quan and Zhong,	Hainan.		
		1989: 274			
<i>Metaphire</i>	<i>thaibinhensis</i>	(Thai, 1984: 616)	Vietnam.	Mentioned in Thai & Do (1989).	<b>Comb. nov.</b>
<i>Metaphire</i>	<i>thecodorsata</i>	(Chen, 1933: 244)	Kiu-kiang in Kiangsi, China.		
<i>Amynthas</i>	<i>thevedaensis</i>	(Thai and	Laos.	Compared to <i>M. pacseana</i> .	<b>Comb. nov.;</b>

		Samphon, 1989: 70)				<b><i>Species inquirenda.</i></b>
<i>Amynthas</i>	<i>thienemanni</i>	(Michaelsen, 1932: 602)	Singkarak-see, West Sumatra (Type locality?) or Sunda, Indonesia.			
<i>Metaphire</i>	<i>tibetana</i>	(Michaelsen, 1931: 13)	Rivers Dracu, Dencu, Tuluncu, Da-die, Temple Cojbzen, Ganj-su, Village Banna Dzun, all in Tibet.	Possibly in synonymy of <i>A. tschiliensis</i> according to Gates (1935: 18). with <i>A. asiaticus</i> .	At one time united	
<i>Amynthas ?</i>	<i>tienphucanus</i>	(Pham, 1995)	Vietnam			<b><i>Species inquirenda.</i></b>
<i>Pleionogaster</i>	<i>tiwiensis</i>	James, 2006: 3	Tiwi, Luzon, Philippines.			
<i>Metaphire</i>	<i>tjandiana</i>	(Michaelsen, 1932: 5)	Borneo or Bali, Indonesia.			
<i>Amynthas</i>	<i>tobaensis</i>	Michaelsen, 1899: 91	Sumatra.			
<i>Amynthas</i>	<i>tokioensis</i>	(Beddard, 1892)	Japan/Korea	Beddard (1892b: 763) stated that “there are only the usual two caeca in segment 26”, but Sims & Easton (1972:191) said holotype has multiple (= manicate) caeca recently confirmed from inspection of the type, thus Easton (1981) included it	<i>Perichaeta schizopora</i> Goto & Hatai, 1898: 76, ? <i>Perichaeta irregularis</i> Goto & Hatai, 1899: 13, ? <i>Perichaeta levis</i> Goto & Hatai, 1899: 20 Syn. nov., ? <i>parvicystis</i> ; <i>Pheretima verticosa</i> Ishizuka, 1999; ?( <i>Pheretima irregularis</i> : <i>Ishizuka, 2001: 61</i> ); ? <i>Amynthas</i>	<b><i>Species inquirenda.</i></b>



in his *Amyntas hilgendorfi*  
species-complex. Cf. *A.*  
*parvicystis*.

*yongshilensis* Hong & James, 2001 (cf *P.*  
*kanrazana* Kobayashi, 1937); *A. eastoni*  
Hong & James, 2001; *A. boletiformis*  
Hong & James, 2001 (these last two  
synonyms as per Blakemore, 2003: 43,  
addenda); ?*Amyntas paiki* Hong in  
Hong, Lee & Kim, 2001: 266, Syn. nov..

<i>Amyntas</i>	<i>tonkinensis</i>	(Michaelsen, 1934: Tonkin, Phu-Ho, South Vietnam. 529)	
<i>Amyntas</i>	<i>tonkinensis</i>	(Michaelsen, 1934: Vietnam. 529)	
<i>Metaphire</i>	<i>tosaensis</i>	(Ohfuchi, 1938) Japan.	
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>tosariana</i>	Cognetti, 1913: 38 Tosari (2,000m) in Tenger range south of Passaruan on east part of Java, Indonesia.	
<i>Amyntas</i> ?	<i>touranensis</i>	(Michaelsen, 1934: Tourane, Wuega Valley, Vietnam. 499)	Intestine damaged so could not identify caeca but male pores superficial so not <b>Species</b> <i>Pheretima</i> s. strict. nor <i>Metaphire</i> according to Sims & Easton (1972: 225); Easton (1979: 118). <b>incertae sedis.</b>
<i>Metaphire</i>	<i>travancorensis</i>	(Fedarb, 1898: 435) South India.	Variously merged with other taxa by Originally <i>Pheretima travancorensis</i> . <b>Species</b> different authors. Gates (1934: 260) <b>incertae sedis.</b> says types are no longer in existence and thought it is possibly <i>M. houletti</i> , whereas Sims & Easton (1972) inspected both BM type

specimens.

<i>Amynthas</i>	<i>tristriatus</i>	(Chen, 1946: 97)	Mt Omei, Szechwan (also reported from Vietnam).		<b><i>Species inquirenda.</i></b>
<i>Metapheretima</i>	<i>triciae</i>	Easton, 1979: 94	Papua New Guinea.		
<i>Pheretima</i> ?	<i>tricystis</i>	(Perrier, 1877: 243)	Brazil.	Cf. <i>P.?</i> <i>dicystis</i> .	<b><i>Species inquirenda.</i></b>
<i>Amynthas</i> ?	<i>tripidoporophoratus</i>	(Thai and Nguyen in Nguyen, 1993: 5)	Vietnam.		<b><i>Comb. nov.;</i></b> <b><i>Species inquirenda.</i></b>
<i>Amynthas</i>	<i>tripunctus</i>	(Chen, 1946: 97)	Mt Omei, Szechuan.	Spermathecal pores sometimes claimed in 6 & 7.	
<i>Metaphire</i>	<i>trivandrana</i>	(Stephenson, 1916: 335)	South India.	Similar to <i>M. houletti</i> .	
<i>Metapheretima</i> ?	<i>trukensis</i>	(Ohfuchi, 1940: 24)	Truk, Caroline Isls..	Cf. <i>Me. buckerfieldi</i> .	
<i>Metaphire</i>	<i>truongsonensis</i>	(Thai, 1984: 288)	Vietnam/Laos.		<b><i>Comb. nov.;</i></b> <b><i>Species inquirenda.</i></b>
<i>Metaphire</i>	<i>trutina</i>	Tsai <i>et al.</i> : 84, 2003: 8 in Tsai, C.-F., Chen, Tsai, S.-C., and Shen, H.-P., 2003.	Taiwan.		<i>Metaphire yuanpowa</i> Chang and Chen, 2005a: 1470.
<i>Metaphire</i> ?	<i>tschiliensis grahami</i>	(Gates, 1935: 10)	Szechuan (and possibly Vietnam?).		Gates said similar to <i>P. vulgaris</i> . At one time (eg. Chen, 1936: 299) synonymous, <b><i>Species</i></b>

but Chen et al. (1977: 22) maintained *inquirenda*.  
*grahami* as a sub-species of *tschiliensis*.

<i>Metaphire</i> ?	<i>tschiliensis</i> <i>kokoanus</i>	(Chen & Fang, 1975: 94)	China?	Sometimes misspelt "kokoan". Transferred by Easton (1979: 120).	
<i>Metaphire</i> ?	<i>tschiliensis</i> <i>lanzhouensis</i>	(Feng, 1984: 47)	Lanzhou, China.	?	Sometimes misspelt "tanzhouensis". <b>Species incertae sedis.</b>
<i>Amyntas</i> ?	<i>tschiliensis</i> <i>tschiliensis</i>	(Michaelsen, 1928: 13)	North and Central China, Vietnam.	<i>P. praepinguis</i> has paired presetal markings on 7,8,9 and was said by Gates to differ from <i>tschiliensis</i> by these (?and markings inside spermathecal pore slits). Name misspelt "tischiliensis" on BIOSIS ION website.	<i>Pheretima kiangsuensis</i> Chen, 1930 [from Chen (1933: 250)] (non <i>P. kiangensis</i> Michaelsen, 1931); ? <i>Pheretima grahami</i> Gates, 1935; <i>Pheretima praepinguis</i> Gates, 1935 [these last two synonymies from Chen (1936: 298, 302) cf. (Chen et al., 1977: 22 where <i>grahami</i> appears to be maintained as a sub-species of <i>tschiliensis</i> , and Qiu & Bouche, 1998: 86 who cite a subspecies of <i>praepinguis</i> ]. Note: all three synonyms were put in <i>Metaphire</i> by Sims & Easton (1972), whereas <i>tschiliensis</i> was in <i>Amyntas</i> . Name sometimes misspelt and misdated as "tsiliensis Michaelsen, 1938". <b>Species incertae sedis.</b>
<i>Amyntas</i>	<i>tuberculatus</i>	(Gates, 1935: 18)	Suifu, Szechuan, and Vietnam.		

<i>Amynthas</i>	<i>tungpuensis</i>	Tsai <i>et al.</i> , 1999 in Tsai, C.-F., Shen, and Tsai, S.-C., 1999: 34.	Taiwan.		
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>turneri</i>	Ude, 1924: 83	New Guinea		
<i>Metaphire</i> ?	<i>uana</i>	(Thai and Samphon, 1990: 13)	Laos.		<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Amynthas</i>	<i>udei</i>	(Rosa, 1896)	Sumatra.		
<i>Amynthas</i>	<i>ultorius</i>	(Chen, 1935: 42)	Hong Kong.		Possibly same as <i>P. masatakae</i> that is in synonymy of <i>A. robustus</i> .
<i>Metaphire</i>	<i>umbraticola</i>	(Gates, 1932: 484)	Myanmar.		
<i>Amynthas</i> ?	<i>uncipeniferus</i>	(Thai et Samphon, 1988: 16)	Laos.	?	?
					<b><i>Comb. nov.;</i></b> <b><i>Species</i></b> <b><i>inquirenda.</i></b>
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>unicystis</i>	Lee, 1981: 561	Vanuatu.		Possibly a junior synonym of <i>Ph. (Ph.) montana</i> or some other member of <i>Ph. (Ph.) sangirensis</i> spp-group.
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>urceolata</i>	(Horst, 1893: 322)	Sumatra (type locality); Bawean Island, Java Sea (type locality <i>Ph.</i> <i>baweanensis</i> ), Seratok Sarawak (Michaelsen,	Septa 9/10 thickened.	<i>Pheretima baweanensis</i> Michaelsen, 1924: 389 (sometimes spelt "baweaensis" and dated 1923 or 1925), Gates (1961) also placed <i>Metaphire ditheca</i> (Michaelsen, 1928) in synonymy, but this disputed by Sims & Easton (1972).

1928: 50), and  
Philippines.

<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>utakwana</i>	Cognetti, 1915: 494	Irian Jaya			
<i>Amyntas</i>	<i>uvaglandularis</i>	Shen <i>et al.</i> , 2003: 479 in Shen, Tsai C.-F., and Tsai, S.-C., 2003.	Taiwan.	Similar to " <i>A. silvestrii</i> (Cognetti, 1909)" = <i>A. corticis</i> .		
<i>Pleionogaster</i>	<i>valida</i>	James, 2004: 309	Mindanao, Philippines.	Cf. <i>Pl. sivickisi</i> .		
<i>Amyntas</i>	<i>vallis</i>	(Kobayashi, 1936)	Korea			
<i>Metaphire</i>	<i>varellana gilva</i>	(Michaelsen, 1934: 512)	Indochina.	Overlooked by Sims & Easton (1972), Michaelsen appears to have given a provisional name but not later description.	?	<b><i>Nomen nudum? Species inquirenda.</i></b>
<i>Metaphire</i>	<i>varellana varellana</i>	(Michaelsen, 1934: 511)	Cape Varella and Dalat (1,500m), South Vietnam.			
<i>Metaphire</i>	<i>variabilis</i>	(Horst, 1893)	"East Indies"; Sebesi Island, Indonesia.	Probably joining <i>M. capensis</i> in synonymy of <i>M. javanica</i> .		
<i>Metaphire</i>	<i>varians songbaana</i>	(Thai, 1984: 617)	Vietnam.	Possibly in <i>Amyntas</i> .	?	<b><i>Comb. nov.</i></b>
<i>Metaphire</i>	<i>varians varians</i>	(Chen, 1938: 385)	Hainan.	Hodgepodge.	Ascribed to <i>Amyntas</i> and name misspelt "variens" in Sims & Easton, 1972: 246 and Reynolds & Cook, 1976: 187. It is	<b><i>Comb. nov.</i></b>

here transferred to *Metaphire* due to presence of penes.

<i>Amynthas</i>	<i>velatus</i>	(Gates, 1930: 321)	Myanmar.	Name sometimes misspelt as "valeta" e.g. Sims & Easton, 1972: 246. Subspecies <i>P. velata alveata</i> is in <i>A. andersoni</i> synonymy.	<i>Pheretima velata clavata</i> Gates, 1932: 541.
<i>Amynthas</i>	<i>versteegi</i>	(Michaelsen, 1938: 172)	West Guinea.	Sometimes miscited and misdated as "Michaelsen, 1913: 73" e.g., by Reynolds and Cook (1976: 187); cited as "Michaelsen, 1938: 172" by Gates (1948) and Sims & Easton (1972: 237).	<b>Species inquirenda.</b>
<i>Metaphire</i>	<i>vesiculata</i>	(Goto and Hatai, 1899)	Japan (and Korea).		? <i>Pheretima köllikeri</i> Michaelsen, 1928 : 8 (et <i>P. koellikeri</i> ).; ? <i>Pheretima okutamaensis</i> Ishizuka, 1999; ? <i>Pheretima biggiberosa</i> Ishizuka, 1999.
<i>Amynthas</i>	<i>vialis</i>	(Michaelsen, 1924: 25)	West Papua.	Sometimes misdated as "Michaelsen, 1928".	
<i>Pheretima</i> ( <i>Pheretima</i> )	<i>vicinipora</i>	James, 2004: 301	Mindanao, Philippines.	Cf. <i>P. ambonensis</i> Cognetti, 1913.	
<i>Amynthas</i>	<i>vicinus</i>	Hong and James, 2001	Korea.		
<i>Metapheretima</i>	<i>vietnamensis</i>	(Thai, 1984: 614)	Vietnam.		<b>Species inquirenda.</b>
<i>Pithemera</i>	<i>violacea</i>	(Beddard, 1895)	Penang; West Indies.	Perhaps merits separation from synonymy of <i>P. bicincta</i> .	<b>Species inquirenda.</b>
<i>Pleionogaster</i>	<i>viracensis</i>	James, 2006: 7			

<i>Pheretima</i> ( <i>Pheretima</i> )	<i>virgata</i>	James, 2004: 305	Mindanao, Philippines.	Cf. <i>P. baungonensis</i> .	
<i>Metaphire</i>	<i>virgo</i>	(Beddard, 1900: 895)	Tale, Songkhala State, Thailand; Malaysia (northernmost part); also Myanmar.	Close to <i>M. houletti</i> (? and <i>M. perichaeta</i> ). Sometimes misdated "Beddard, 1901".	? <i>Amyntas perichaeta</i> Beddard, 1900: 896; <i>Pheretima mamillana</i> Gates, 1931: 400; <i>P. mendosa</i> Gates, 1932: 473/538. These synonyms from Gates (1972: 222).
<i>Metaphire</i>	<i>viridis</i>	Feng and Ma, 1987: 248	Gansu, China.	Non <i>Perichaeta viridis</i> Schmarda, 1861:13 [?= <i>Megascolex</i> or <i>Amyntas</i> if as Beddard (1892b: 126) states the types are immature but are true "Perichaeta", nec <i>Perionyx viridis</i> Gates, 1933. Sometimes cited as 1998.	
<i>Pithemera</i> ?	<i>vitiensis</i>	(Beddard, 1892: 131)	Fiji.	This species has remained in the synonymy of <i>Pheretima montana</i> since Michaelsen (1900); but may yet be valid.	<b><i>Species inquirenda.</i></b>
<i>Amyntas</i>	<i>vittatus</i>	(Goto & Hatai, 1998)	Japan.	Possibly a junior synonym of <i>A. tokioensis</i> .	<b><i>Species incertae sedis.</i></b>
<i>Amyntas</i>	<i>vividus</i>	(Chen, 1946: 123)	Szechuan.		
<i>Polypheretima</i>	<i>voeltzkowi</i>	(Michaelsen, 1907: 45)	Comoros.		
<i>Amyntas</i>	<i>vordermani</i>	(Horst, 1890: 231)	Sunda Island "Billinton", between Sumatra and Borneo.	Horst (1890: 231, 234) said he named the species after Mr Vorderman, but he intentionally and repeatedly spelt it <i>P. vordermanni</i> (with two "nn"s). However, Michaelsen (1900: 312) corrected name to "vordermani" and this is maintained under prevailing usage of ICZN (1999: Art. 33.3) eg. by Sims & Easton (1972) and Reynolds & Cook (1976).	
<i>Metaphire</i>	<i>vulgaris agricola</i>	(Chen, 1930: 18)	Nanking, China.	<i>P. vulgaris</i> and <i>P. vulgaris agricola</i> were thought synonyms of <i>P. guillelmi</i> (sometimes held in synonymy of <i>P. houletti</i> ) by Chen (1933:249); Gates (1935: 10) however thought <i>houletti</i> a separate taxon from <i>guillelmi</i> and but accepted that <i>vulgaris agricola</i> probably belonged, in	

<i>Metaphire</i>	<i>vulgaris vulgaris</i>	(Chen, 1930: 12)	Kiangsu, China.	part at least, in <i>P. guillelmi</i> . <i>P. vulgaris</i> and <i>P. vulgaris agricola</i> Misspelt "vugularis" by Chen (1933: 249) were thought synonyms of <i>P. guillelmi</i> (which is in synonymy of <i>P. houletti</i> ) by Chen (1933: 249), but the <i>vulgaris vulgaris</i> synonymy was doubted by Gates (1935: 19), cf. his acceptance of <i>vulgaris agricola</i> synonymy (1935: 10).	
<i>Amynthas</i> ?	<i>vuongmontis</i>	(Thai, 1984: 615)	Vietnam.	Sometimes spelt "voungmontis"; ?non <i>P. xuongmontis</i> Thai & Samphon, 1990.	<b><i>Comb. nov.; Species inquirenda.</i></b>
<i>Amynthas</i>	<i>wangi</i>	Shen <i>et al.</i> , 2003: 489 in Shen, Tsai C.-F., and Tsai, S.-C., 2003.	Taiwan.		
<i>Metaphire</i>	<i>weberi</i>	(Cognetti, 1913: 37)	Batjan Island (Moluccas, Indonesia).	Sims & Easton, 1972: 193 inspected type and say intestinal caeca 'complex' (= simple, incised) as per Cognetti.	
<i>Pheretima</i> ( <i>Parapheretima</i> )	<i>wendessiana</i>	Cognetti, 1911: 4	New Guinea	The caeca are described as not having true lobes but being moniliform.	
<i>Amynthas</i>	<i>wetzelii</i>	(Ude, 1932)	Sumbawa Isl., Indonesia.		
<i>Metaphire</i>	<i>willeyi</i>	(Benham, 1895)	Java, Indonesia.	Possibly joining <i>P. capensis</i> as a junior synonym of <i>Metaphire</i>	(Non <i>Megascolex willeyi</i> Michaelsen, 1909). Previously made a sub-species <b><i>Species inquirenda.</i></b>



*javanica*.

of *P. capensis* by Michaelsen, 1896 and this often miscited as a separate taxon.

<i>Amynthas</i>	<i>winkleri</i>	(Michaelsen, 1928: Bukit Raja, Central Borneo. 29)			
<i>Amynthas</i>	<i>wui</i>	(Chen, 1935: 109)	China and Vietnam.		
<i>Amynthas</i>	<i>wulinensis</i>	Tsai <i>et al.</i> , 2001: 285 in Tsai C.-F., Shen, and Tsai, S.-C., 2001.	Central Mtn. Range, Taiwan.		
<i>Amynthas</i>	<i>xingdougmontis</i>	Wang & Qiu, 2005	China.		<b>Species inquirenda.</b>
<i>Amynthas</i> ?	<i>xuongmontis</i>	(Thai and Samphon, 1990: 14, 20)	Laos	Name sometimes misspelt "zuongmontis"; non <i>P. vuongmontis</i> Thai, 1984.	<b>Comb. nov.; Species inquirenda.</b>
<i>Metaphire</i> ?	<i>yamadai</i>	(Hatai, 1930: 664)	Japan, China, ?Korea.	Name sometimes misspelt "yamardai".	? <i>Pheretima pectinifera</i> Michaelsen, 1931: 15 [spelt "pectenifera" by Gates (1935: 13) and "pectinefera" by Chen (1936: 272)]. <b>Species incertae sedis.</b>
<i>Amynthas</i>	<i>yambaruensis</i>	(Ishizuka & Azama, 2000)	Okinawa		
<i>Amynthas</i>	<i>yanheanus</i>	Qiu <i>et al.</i> , 1994 in Qiu, Wang, H. & Wang, W., 1994	China.		<b>Species incertae sedis.</b>

<i>Metaphire</i>	<i>yeni</i>	Tsai <i>et al.</i> , 2000: 8 in Tsai, S.-C., Shen, and Tsai, C.-F., 2000.	Taiwan.		
<i>Amynthas</i>	<i>yeoi</i>	Hong & Kim, 2002:487	Mt Gyeryong, S. Korea.	Mispelt "yeai" on BIOSIS ION website.	<b><i>Species inquirenda.</i></b>
<i>Begemius</i>	<i>yorkensis</i>	Easton, 1982: 724	Yorke Island, Torres Straits and Cape York, Qld.		
<i>Amynthas</i>	<i>youngi</i>	(Gates, 1932: 406)	Myanmar and Yunnan, China.	Possibly H-morph synonym of <i>Pheretima illota</i> Gates, 1932. Note: Sims & Easton (1972: 213) have mistaken this " <i>youngi</i> -group" as only having one thecal segment.	
<i>Metaphire ?</i>	<i>youyangensis</i>	(Zhong <i>et al.</i> in Zhong, Xu and Wang, D., 1984: 356)	Sichuan, China.	?	<b><i>Species inquirenda.</i></b>
<i>Metaphire</i>	<i>yuhsii</i>	(Tsai, 1964: 5)	Taiwan	Previous synonymy of this name in <i>Metaphire formosae</i> (Michaelsen, 1922) by Tsai <i>et al.</i> (2000a: 286) who spelt the name "yushi" but, because it was a stated patronym for Dr Yu-Hsi, it is herein corrected to <i>yuhsii</i> . This new combination and re-elevation to specific status is by Chang, C.-H. and Chen, J.-H. (2005b) and pers. comm. Name misspelt "yunsi" in Tsai (1964: figure).	<b><i>Emendation.</i></b>
<i>Amynthas</i>	<i>yunlongensis</i>	(Chen and Zhifang, 1977: 176)	China.		
<i>Amynthas</i>	<i>yunoshimensis</i>	(Hatai, 1930)	Japan.		
<i>Amynthas</i>	<i>zebrus</i>	(Benham, 1896: 442)	Celebes.	Sometimes dated "1897".	

<i>Amyntas</i>	<i>zenkevichi</i>	(Thai, 1982: 823)	Vietnam.		<b><i>Comb. nov.;</i></b>
					<b><i>Species</i></b>
					<b><i>inquirenda.</i></b>
<i>Amyntas</i>	<i>zhongi</i>	Qiu & Wang, 1991: 301	Guizhou, China.	Authors cited thus by Csuzdi (2003) ? and confirmed by Qiu (pers. comm.), cf. Qiu & Bouche (1998: 86, 97) who give author as either "Qiu & Wang, 1991" or just "Qiu, 1991".	<b><i>Species</i></b>
					<b><i>inquirenda.</i></b>
<i>Archipheretima</i>	<i>zonata</i>	(Michaelsen, 1922: 42)	Nangaraun, Kalimantan (Borneo), Indonesia and Sarawak ( <i>penrisseni</i> ).	<i>Pheretima (Archipheretima) penrisseni</i> Michaelsen, 1928: 11.	

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### Some References

- Blakemore, R.J., (2002). *Cosmopolitan Earthworms – an Eco-Taxonomic Guide to the Peregrine Species of the World*. VermEcology, Kippax, ACT 2615, Australia. Pp. 426 + 80 figs.
- Blakemore, R.J. (2004) Checklist of Pheretimoid earthworms after Sims & Easton (1972). In: Moreno, A. G. and Borges, S. (eds.) "Avances en taxonomia de lombrices de tierra/Advances in earthworm taxonomy (Annelida: Oligochaeta)". Editorial Complutense, Universidad Complutense, Madrid, Spain. Pp. 126-154. [Published July, 2004 in English with some Spanish translation].
- Blakemore, R.J. (2005). *A Series of Searchable Texts on Earthworm Biodiversity, Ecology and Systematics from Various Regions of the World*. Eds.: N. Kaneko & M.T. Ito. COE Soil Ecology Research Group, Yokohama National University, Japan. CD-ROM. [Online here <http://bio-eco.eis.ynu.ac.jp/eng/database/earthworm/>].
- Blakemore, R.J. (2006a and supplement 2006b). *A Series of Searchable Texts on Earthworm Biodiversity, Ecology and Systematics from Various Regions of the World - Second Edition*. Eds.: N. Kaneko & M.T. Ito. COE Soil Ecology Research Group, Yokohama National University, Japan. CD-ROM. [Online here <http://bio-eco.eis.ynu.ac.jp/eng/database/earthworm/>].
- Easton, E.G. (1979). A revision of the 'acaecate' earthworms of the Pheretima group (Megascolecidae: Oligochaeta): *Archipheretima*, *Metapheretima*, *Planapheretima*, *Pleinogaster* and *Polypheretima*. *Bulletin of the British Museum (Natural History) Zoology*. **35(1)**: 1-128.
- James, S.W. (2004). New genera and species of pheretimoid earthworms (Clitellata: Megascolecidae) from southern Luzon, Philippines. *Systematics and Biodiversity*. **2(3)**: 271-279. [Sept., 2004].
- Sims, R.W. (1983). The scientific names of earthworms. In: J.E. Satchell (ed.). "Earthworm Ecology: from Darwin to Vermiculture." Pp. 365-373. Chapman and Hall, London.
- Sims, R.W. & Easton, E.G. (1972). A numerical revision of the earthworm genus *Pheretima* auct. (Megascolecidae:Oligochaeta) with the recognition of new genera and an appendix on the earthworms collected by the Royal Society North Borneo Expedition. *Biological Journal of the Linnean Society*. **4**: 169-268.
- [End of pheretimoid checklist].