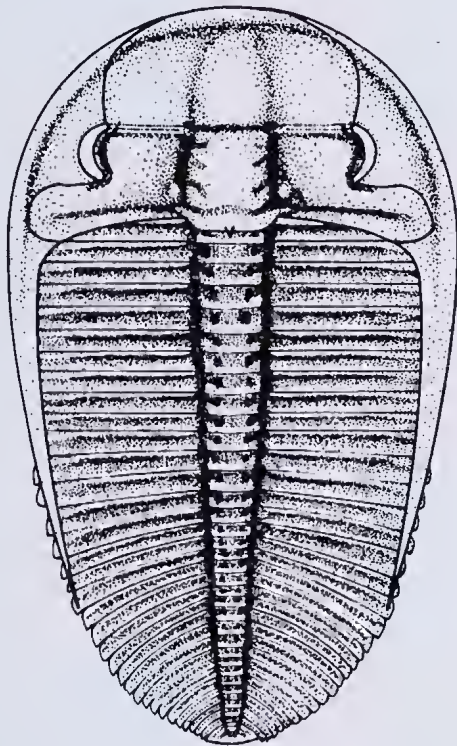


MEMOIRS

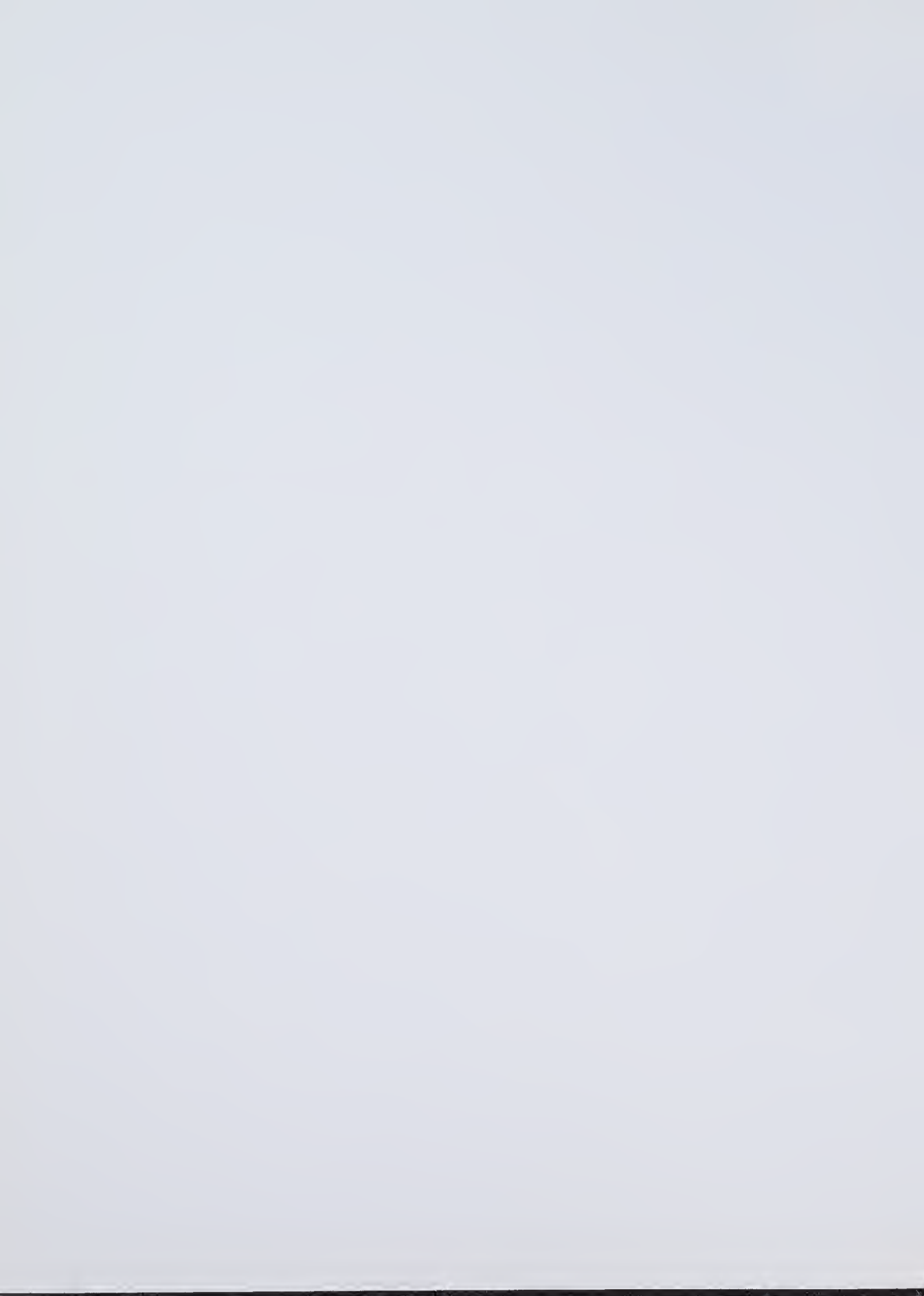
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PART 2



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AVAILABLE GENERIC NAMES FOR TRILOBITES

P.A. JELL AND J.M. ADRAIN

Jell, P.A. & Adrain, J.M. 06 20 2003: Available generic names for trilobites. *Memoirs of the Queensland Museum* 48(2): 331-553. Brisbane. ISSN0079-8835.

A consolidated list of available generic names introduced since the beginning of the binomial nomenclature system for trilobites is presented for the first time. Each entry is accompanied by the author and date of availability, by the name of the type species, by a lithostratigraphic or biostratigraphic and geographic reference for the type species, by a family assignment and by an age indication of the type species at the Period level (e.g. MCAM, LDEV). A second listing of these names is taxonomically arranged in families with the families listed alphabetically, higher level classification being outside the scope of this work. We also provide a list of names that have apparently been applied to trilobites but which remain *nomina nuda* within the ICZN definition. □ *Trilobites, generic names, checklist.*

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Trilobite fossils attracted the attention of humans in different parts of the world from the very beginning, probably even prehistoric times. In the 1700s various European natural historians began systematic study of living and fossil organisms including trilobites. The name *Trilobita* was introduced by Walch in 1771, at about the same time that Carl Linnaeus was developing his system of binomial nomenclature. The early 1800s witnessed a number of monographic works on Palaeozoic fossils including numerous trilobites. Major works of Dalman (1827), Brongniart (1822), Wahlenberg (1821), Hawle & Corda (1847), Angelin (1851, 1854) and Barrande (1846-1872) accelerated the systematic study of trilobites so that by 1893 when Vogdes produced the first annotated bibliography it was printed on over 400 pages. With subsequent additions (Vogdes, 1917, 1925) his work provides the most comprehensive, if not always the most accurate, reference work for entrance to trilobite studies of the 19th century.

In the 20th century the volume of publications was such that the only comprehensive survey of trilobites was at the generic level, in the *Treatise on Invertebrate Paleontology* (Moore, 1959; Kaesler, 1997). Early in the preparation of the first edition of the trilobite volume of the *Treatise* J. Marvin Weller of the University of Chicago compiled a list of trilobite generic names that would need to be dealt with in the *Treatise*. Weller's checklist included all names and variations including misspellings that he

could find. This list was copied on an early spirit stencil machine to some 20 or more trilobite workers around the world, principally those who would author the 1959 *Treatise* edition. Weller also drew on this compilation for his Presidential address to the Paleontological Society in 1951 (Weller, 1952). However, his list was never published and to our knowledge no accompanying bibliography was ever compiled. In the 1959 *Treatise* the bibliography is very select and large numbers of the author citations of generic names are not included.

By the 1980s, when early preparations were underway for a revision of the trilobite volume of the *Treatise* a large increase in the number of generic names to be dealt with had occurred. To assess the extent of the increase Harry Whittington and Simon Kelly compiled a list of genera erected after publication of the first *Treatise* edition up to 1983. This list contained about 2500 names having been compiled from the *Zoological Record* and from lists provided by various individuals. This list was distributed to prospective authors of the revised trilobite volume of the *Treatise* but not otherwise published.

The 1959 *Treatise* dealt with approximately 1200 trilobite generic names and the first revised volume of the trilobite (Part O) *Treatise* (1997) dealt with about 500 generic names although Weller (1952) had indicated 1436 were known in 1950. Thus the list presented below, with more than 5000 generic names, represents a 430% increase in available generic names in the last 50

years. Weller's (1952, fig. 11) projection of the rate of trilobite generic increase has not been realised; he correctly foresaw that it would not be possible. However, the aggregate number of 5000+ far exceeds his calculated maximum curve which had a projection of fewer than 3000 in the year 2000. Given Weller's experience we are not so bold as to anticipate the future. However, the 1990s saw a marked reduction in the number of new names introduced probably due to the diminishing number of active taxonomists in the field and possibly due also to decreasing areas of Palaeozoic outcrop remaining to be investigated.

The current paper arose from independent efforts by each of us. JMA had compiled Ordovician and Silurian genera in support of studies by Adrain et al. (1988) and Adrain & Westrop (2000) and this list had been freely available since 1998. PAJ assembled Cambrian generic names to define the extent of the Ptychoparioidea and extended this to present a paper on the rate of appearance of generic names. That paper was delivered at the Third International Conference on trilobites and their relatives in Oxford, April, 2001, where we agreed to join forces to produce a comprehensive list. Broadly speaking PAJ is responsible for the Cambrian compilation, JMA for the Ordovician and Silurian and JMA and PAJ for the Devonian to Permian.

We hope that our effort herein will be a significant aid to all students of trilobites in their considerations of whether or not to erect new generic names. All too frequently we see names passing to synonymy because the full literature search had not been undertaken or because the full extent of the family concerned had not been scanned. We hope this publication will be an invitation to be more comprehensive in consideration of generic assignments and in discussions of affinities. Moreover, we anticipate its use in other ways not the least of which may be quantitative biodiversity studies.

METHOD OF ASSEMBLY

We present both objective and subjective data. The bibliography is objective whereas the systematic arrangement is almost entirely subjective. In the alphabetical listing data are objective except for family assignment and age. We have tried, as far as possible, to consult the original literature when compiling objective data. We have listed available names associated with trilobites, i.e. those names that entered the literature meeting the necessary criteria of the International Code of Zoological Nomenclature.

Most of these remain valid names for trilobite genera but many have become invalid as junior synonyms, junior homonyms, unjustified emendations, unnecessary substitute names or suppressed names but they all remain available irrespective of any such subsequent history.

Alphabetical listing.

Each available generic name is followed by the author (all upper case) and year of publication. The type species (as originally cited) follows in square brackets. Next are data on the type locality of the type species. Where possible the rock formation containing the type locality is quoted with the State or Province and/or country. If the formation is not known we try to provide the biozone of the type horizon or failing that the best geographic data available. In dealing with larger countries we quote the state or province but in many cases only the country is quoted. This is followed, after a semicolon, by the family assignment (all in upper case) which cross refers to the later systematic listing. Following the last semicolon is an indication of the age of the type horizon of the type species. This is in the form of abbreviations of the Palaeozoic periods namely Cambrian (CAM), Ordovician (ORD), Silurian (SIL), Devonian (DEV) and Permian (PERM) or subperiods of the Carboniferous i.e. the Mississippian (MISS) or Pennsylvanian (PENN) prefixed by L (lower), M (middle) or U (upper) or combinations of these where appropriate.

At the end of many entries is an annotation in square brackets indicating known synonymies. The first three letters are an abbreviation of junior (j.) or senior (s.); objective (o.) or subjective (s.); synonyms (s.) followed by the relative generic name and then the authority we rely on for these relationships. Although we have attempted to quote the earliest author to recognise synonymies it is possible that we may in some cases unknowingly be quoting a secondary source. Some synonymies proposed in the literature are not quoted herein because we do not accept them. In other cases, where synonymies have been proposed and subsequently denied or altered we have attempted to present our view of the most probable current situation.

In the case of names that are junior objective synonyms (j.o.s.) or were preoccupied and have been replaced this is indicated in square brackets at that name with relevant data supplied at the senior objective or replacement name. While there are very many examples of misspellings of generic names throughout the history of trilobite

publications most of these are obvious typographical errors and those variant spellings are not included in our lists. However, in some cases we have identified that these errors have caused confusion or are simply not obvious in their meaning so we have included these examples in the list indicating the error in square brackets.

Bibliography

This list contains all references cited in the alphabetical list so that it includes papers in which new generic names were erected, in which species were erected that were subsequently designated as generic types and in which accepted synonymies were proposed. Please note this does not constitute a complete list of papers on the taxonomy of trilobites although it contains a very high percentage of such papers. Whereas common bibliographic practice is to provide a transliteration and a translation of titles of papers in the Russian language we have provided only the translation in the interests of economy of space.

We have indicated papers published in languages using other than the arabic characters by enclosing their titles in square brackets. While transliteration of the names of Russian and Chinese authors into English has varied with the different translation standards employed we have endeavoured to maintain spellings that are recognisable and consistent thus giving the best chance of recognition over time. For example we quote CHERNYSHEVA not TCHERNYSHEVA, EGOROVA not YEGOROVA, XIANG not HSIANG, ZHANG not CHANG, ZHU not CHU etc. We have indicated most of these variants by a cross reference in the list of literature.

Although there are a number of instances where authors with the same family name appear in the bibliography (e.g. ALBERTI, HAHN, RICHTER, YUAN and ZHOU) their association with the year of publication removes any confusion. However, in the case of the family name ZHANG confusion is possible between six separate authors and it is with this name alone that an initial is included throughout the alphabetical list.

Papers with more than 2 authors are referred to in the alphabetical list by the first author and others (e.g. GORYANSKY et al., 1964).

Systematic listing

This list reflects our own findings in many areas along with our assessments of other workers opinions in groups with which we may

not have direct experience ourselves. We acknowledge that disagreements remain among trilobite workers in some groups and that our arrangement may not be universally accepted. However, by including all generic names we hope that future classifications will seek to deal more comprehensively with related genera.

We group the genera into families and although we recognise the considerable effort some workers have put into defining sub- and superfamilies (particularly e.g. in the Proetidac, Redlichiidae, Ellipsocephalidae, or Asaphidae) we observe that general agreement has not been reached and in most cases such classifications have not been comprehensive in placing all relevant genera. We therefore, prefer to suggest broader groupings that can be assessed for intrafamilial classifications by more detailed investigations.

Nomina nuda

We provide a list of generic names, apparently referring to trilobites, that remain, as far as we are aware, *nomina nuda* as defined in the International Code of Zoological Nomenclature. The list is provided as a reference should these names appear in any future literature by way of validation or further use as *nomina nuda*. This list is not as exhaustive as the list of available names and we have not attempted to include all literature relevant to these *nomina nuda*.

ACKNOWLEDGEMENTS

PAJ is grateful to J. Marvin Weller, Harry Whittington and Simon Kelly for the unpublished lists, mentioned above, which, along with the 1959 Treatise and the Zoological Record, were the initial basis for the Cambrian compilation. PAJ thanks Pete Palmer who engaged in an extensive mutually beneficial crosscheck of the Cambrian listing against his database (SYNPLUS). We are grateful to Zhang Wentang, Tatyana Pegel, Carsten Brauckmann, Greg Edgecombe, Peng Shanchi, Zhou Zhiyi, David Holloway, Gerd Geyer, Richard Fortey and others who were ever ready to answer our questions about particular problems and in many cases provided unsolicited improvements to our compilation. PAJ is thankful to Kathy Buckley, Meg Lloyd and Victoria Harrison of the Queensland Museum and JMA is thankful to Tom Hegna, University of Iowa, all of whom ably sought out difficult-to-obtain materials for us.

NOTES

1. A number of homonyms are identified in the compilation of this list and replacement names are introduced where necessary. Generic names introduced are:- *Eoasaphiscellus*, *Paracaly-menemene*, *Paralorenzangella*, *Pterocephal-opsinus* and *Trigonyangaspis*.

2. According to Vogdes (1893) Rafinesque 1832 introduced *Telesiops* and *Promenites* and indicated that in 1817 he had introduced *Glomerites* and that in 1821 he had introduced *Alloctops*, *Diplopsites*, *Tomoligus*, *Isoctomesa* and *Retusites*. To our knowledge these names have not been subsequently used and certainly not in any modern sense. We are unable to identify any specimens that can be attached to these names much less any identifiable type specimens. While these apparently remain available names we have not been able to provide any of the serialised data we are attaching to other names in the list.

3. Members of the Nektaspida have generally been regarded as trilobites or closely related to trilobites and on that basis are included in this listing. However, classification within the group remains highly contentious so we do not attempt any family classification at this stage even though one could confidently say that *Naraoia* belongs to the Naraoiidae. We exclude *Maritimella* and *Orientella* of Repina & Okuneva (1969) accepting the observation of Robison (1984) that these are pseudofossils.

4. Clarkson & Howells (1981) and Howells (1982) considered several names proposed by Lamont (1978), including the encrinurid genus-group names *Aristobeggia*, *Calgachia*, *Leitchia*, *Macguiganella*, *Paracalgachia*, and *Trippia*, as invalid. Clarkson & Howells (1981) argued on the basis of type material, citing Article 13A of the then-current edition of the ICZN. Howells (1982) argued that the names were not supported with adequate diagnoses. In the former case, problems with subsequent identification of type specimens, and the fact that the designated type specimens may not be well enough preserved to permit recognition of the taxa, do not appear to have bearing on the availability of the names, but rather indicate that they should be regarded as *nomina dubia*. For Howells's (1982) arguments about diagnoses, *Aristobeggia*, *Leitchia*, *Paracalgachia*, and *Trippia* are each accompanied by an explicit diagnosis in Lamont (1978) and hence satisfy Article 13 of the ICZN. *Calgachia* and *Macguiganella*, however, lack a diagnosis or any

comparative statements. They fail to satisfy Article 13.1.1, and should be regarded as *nomina nuda*.

5. In accordance with Article 23.9 of the ICZN, *Goniopleura* is designated a *nomen oblitum* and suppressed, and *Maurotarion* is considered a *nomen protectum*, and a valid name. As far as we are aware, *Goniopleura* has never been used as a valid name subsequent to its original publication. *Maurotarion* is in widespread use as a presumed valid name for the group (e.g., Adrain & Chatterton, 1995; Adrain & Edgecombe, 1996; Alberti, 1969; Curtis & Lane, 1997; Edgecombe & Fortey, 2000; Holloway, 1994; Sandford, 2000).

6. The synonymy of *Hsuaspis* and *Estaingia* (Jell in Bengtson et al., 1990) has been accepted by a number of subsequent authors to whom PAJ apologises for identifying the senior synonym without referring to the original publication. PAJ recently obtained a copy of the Science Journal, Academia Sinica volume 5 (W. Zhang in W. Zhang et al., 1957) in which *Hsuaspis* was first mentioned. That publication contains a line drawing labelled *Hsuaspis sinensis* and the name is mentioned in a faunal list for an horizon in the section being described. In a second publication in the same year (W. Zhang, 1957) the new name is mentioned on the correlation chart with a footnote indicating its type species. Neither of these 1957 mentions of the name satisfies the ICZN criteria for availability. The name must be considered a *nomen nudum* in each of these publications. Thus *Hsuaspis* became available in Lu et al. (1965), a year after Poock had erected its synonym *Estaingia*, which must be considered the senior name. Availability of *Ichangia* similarly dates from Lu et al. (1965) and not from W. Zhang in W. Zhang et al. (1957), as commonly quoted.

A second apology from PAJ is for having missed the introduction of the family-group name *Estaingiinae* by Öpik (1975a) and inadvertently using the junior synonym *Ichangiidae* for this group of trilobites. *Estangiinae* is the senior family-group name and is elevated to *Estaingiidae* herein to replace *Ichangiidae*.

7. *Anchiopella* was introduced by Reed (1907b) for a subgroup of *D. anchiops* that he referred to as the *crisagalli* subgroup. He confirmed this as his type species designation in a later paper. Lespérance & Bourque (1971) outlined in detail the difficult history of *Anchiopella* and *Anchiopsis* and concluded that both are available names. We agree with their conclusions.

Thus, in the absence of good reason to suppress *Anchiopella*, Cooper's (1982) action of assigning *crisagalli* to *Bainella* means that *Bainella* becomes a junior subjective synonym of *Anchiopella*.

8. Shergold et al. (1988) detailed the nomenclatural history of *Szechuanella*. It was introduced, with type species *szechuanensis*, as a nomen nudum by Lu (1959). Zhang & Fan (1960) described a new species, *rectangula*, and assigned it to *Szechuanella* while quoting Lu's *szechuanensis* as the type species even though it remained a nomen nudum until made available by Lu in 1962. Shergold et al. (1988) considered that the act of Zhang & Fan using *Szechuanella* in association with an available species group name made *rectangula* the type species by monotypy. This was accepted by Peng (1990) who considered *S. szechuanensis* Lu, 1962 to belong to *Paraszechuanella* LIU, 1977. Thus we agree that *Szechuanella* became available through Zhang & Fan (1960) with its type species *rectangula* by monotypy. *Paraszechuanella* LIU, in ZHOU et al., 1977 has *P. latilimbata* as type species and contains *szechuanensis* Lu, 1962.

The history of *Paraacidaspis*, detailed by Shergold et al. (2000), has the name introduced as a nomen nudum in 1957 and considered a nomen nudum again in Poletaeva's 1960 paper (Bruton, 1987). However, Poletaeva made available *P. sibirica* in 1960 and thus created a direct analogy

with *Szechuanella* wherein *Paraacidaspis* was used in association with an available species name even though the quoted type species, *humanica*, remained a nomen nudum until Poletaeva made it available in 1963. Thus when Shergold et al. (2000) attributed *Paraacidaspis* to Poletaeva, 1963 with the type species *humanica* also dating from Poletaeva, 1963 they employed a different logic to that which had been applied to *Szechuanella*. These are exactly analogous cases and *Paraacidaspis* must be considered to date from Poletaeva, 1960 with *P. sibirica* the type species by monotypy. If anything *Paraacidaspis* has a better claim to availability in Poletaeva (1960) than does *Szechuanella* in Zhang & Fan (1960) because Poletaeva expressly diagnosed the genus whereas Zhang & Fan diagnosed the species. However, the latter can be taken to be a generic diagnosis because it applies to the only available species-group taxon contained therein.

9. In accordance with Article 23.9 of the ICZN, *Dicranactis* is designated a nomen oblitum (and suppressed) and *Scabriscutellum* is considered a nomen protectum (and valid). *Dicranactis* has not been used in the modern literature (Snajdr, 1984) and *Scabriscutellum* is in widespread use as a presumed valid name for the group (Alberti, 1971, 1981b, 1983; Archinal, 1994; Basse, 1996; Feist, 1974; Lütke, 1965; Maksimova, 1960, 1979).

ALPHABETICAL LIST

- Aayemenaytcheia** LIEBERMAN, 1994 [Dechenella paraganulata ORMISTON, 1967] Blue Fjord Fm, Nunavut, Canada; PROETIDAE; MDEV.
- Abadiella** HUPÉ, 1953a [bourgini] Amouslek Fm, Morocco; ABADIELLIDAE; LCAM.
- Abagnostus** YANG & LIU in YANG et al., 1991 [circularis] Baguamiao Fm, N Sichuan, China; PERONOPSIDAE; MCAM [j.s.s. of Lisogoragnostus, fide SHERGOLD & LAURIE, 1997].
- Abakania** POLETAEVA, 1973 [superba] Sanashytkgol Horizon, W Sayan, Russia; CORYNEXOCHIDAE; LCAM.
- Abakanopleura** SIVOV in EGOROVA et al., 1955 [kenensis] Arbat Fm, W Sayan, Russia; SOLENOPLEURIDAE; UCAM.
- Abakolia** BOGNIBOVA in CHERNYSHEVA, 1971 [paucal] Abakol Suite, W Altay Sayan, Russia; WEYMOUTHIDAE; MCAM.
- Abdulinaspis** ERGALIEV, 1980 [concinus] *Trisulcagnostus trisuleus* Zone, Kazakhstan; PARABOLINOIDIDAE; LORD.
- Abharella** WITTKÉ, 1984 [magnocula] Mila Fm, Iran; ANOMOCARIDAE; MUCAM.
- Abia** POLETAEVA in GONCHAROVA et al., 1972 [ritae] Salair, Russia; PTEROCEPHALIDAE; MCAM [j.s.s. of Labiostira, fide JELL, herein].
- Acadagnostus** KOBAYASHI, 1939a [Agnostus acadicus HARTT in DAWSON, 1868] *Eccaparadoxides etemincus* Zone, New Brunswick, Canada; PERONOPSIDAE; MCAM [j.s.s. of Peronopsis, fide ROBISON, 1995].
- Acadolenus** SDZUY, 1967 [decorus] E Asturia, Spain; ELLIPSOCEPHALIDAE; MCAM.
- Acadoparadoxides** ŠNAJDR, 1957b [Paradoxides sacheri BARRANDE, 1852] Jince Fm, Czech Republic; PARADOXIDIDAE; MCAM.
- Acanthagnostus** QIAN, 1982 [longispinus] Kushan Fm, Shandong, China; CLAVAGNOSTIDAE; UCAM [j.s.s. of Clavagnostus, fide SHERGOLD et al., 1990].
- Acanthaloma** CONRAD, 1840 [suppressed by decision of ICZN, for discussion see WHITTINGTON, 1952c] [j.s.s. of Leonaspis, fide WHITTINGTON, 1952c].
- Acanthalomina** PRANTL & PŘIBYL, 1949a [Odontopleura minuta BARRANDE, 1846a] Kopanina Fm, Czech Republic; ODONTOPLEURIDAE; USIL.
- Acanthocephalus** QIU in QIU et al., 1983 [longispinus] Hsichuang, Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Acanthocnemis** HAWLE & CORDA, 1847 [verrucosa] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Acanthogramma** HAWLE & CORDA, 1847 [speciosa] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Acantholenus** MATTHEW, 1898 [Leptoplastus spiniger MATTHEW, 1889] New Brunswick, Canada; ACROCEPHALITIDAE; UCAM [j.s.s. of Acrocephalites, fide ÖPIK, 1967].
- Acanthometopus** LU & QIAN, 1983a [obesus] Changshan Fm, Liaoning, China; SOLENOPLEURIDAE; UCAM.
- Acanthomicacca** HUPÉ, 1953a [Micmacca walcottii MATTHEW, 1899b] Conception Bay, Newfoundland, Canada; CHENGKOUIIDAE; LCAM.
- Acanthoparypha** WHITTINGTON & EVITT, 1954 [perforata] Edinburg Fm, Virginia, USA; CHEIRURIDAE; UORD.
- Acanthophilipsia** YUAN et al., 1992 [guiyangensis] Maokou Fm, Guizhou, China; PROETIDAE; LPERM.
- Acanthopleurella** GROOM, 1902 [grindrodi] Bronsil Sh Fm, England; SHUMARDIIDAE; LORD.
- Acanthopyge** HAWLE & CORDA, 1847 [leuchtenbergii] Koneprusy Lst, Czech Republic; LICHIDAE; LDEV.
- Acastava** RICHTER & RICHTER, 1954 [Cryphaeus atava W.E. SCHMIDT, 1907] Middle Herdorf Group, Siegerland, Germany; ACASTIDAE; LDEV.
- Acaste** GOLDFUSS, 1843 [Calymene? downingiae MURCHISON, 1839] Much Wenlock Lst Fm, England; ACASTIDAE; LSIL.
- Acastella** REED, 1925 [Phacops (Acaste) macrocentrus] Whitecliffe Fm, England; ACASTIDAE; USIL.
- Acastellina** RICHTER & RICHTER, 1954 [Acaste (Acastella) nolens RICHTER & RICHTER, 1952] Heisdorfer Fm, Eifel, Germany; ACASTIDAE; LDEV.
- Acastina** REED, 1927 [unnecessary replacement and thus j.o.s. of Acaste].
- Acastocephala** SHERGOLD, 1966 [Phacops (Acaste) downingiae var. macrops SALTER, 1864a] Coalbrookdale Fm, England; ACASTIDAE; LSIL.
- Acastoides** DELO, 1935 [Acaste henni R. RICHTER, 1909] Wetteldorf Sst, Rhenish Massif, Germany; ACASTIDAE; LDEV.
- Acastopyge** TOMCZYKOWA in TOMCZYKOWA & WITWICKA, 1974 [shergoldi] Upper Podlasie Beds, Swarzewo, Poland; ACASTIDAE; USIL.
- Acernaspis** CAMPBELL, 1967 [Phacops orestes BILLINGS, 1860a] Jupiter Fm, Quebec, Canada; PHACOPIIDAE; LSIL.
- Acerocare** ANGELIN, 1854 [ecorne] Sandby, Sweden; OLENIDAE; UCAM.
- Acerocarina** POULSEN, 1952 [Cyclognathus micropygus LINNARSSON, 1875] Sweden; OLENIDAE; UCAM [replacement name for Cyclognathus].
- Aceroproetus** KOLOBOVA, 1988 [acer] Akkans Lst, Balkhash, Kazakhstan; PROETIDAE; LSIL.

- Achatella** DELO, 1935 [Dalmanites achates BILINGS, 1860a] Cobourg Fm, Ontario; PTERYGOMETOPIDAE; UORD.
- Acheilops** ULRICH in BRIDGE, 1931 [dilatus] Eminence Dol, Missouri, USA; CATILLICEPHALIDAE; UCAM.
- Acheilus** CLARK, 1924 [levisensis] Levis Fm, Quebec, Canada; KINGSTONIIDAE; UCAM.
- Acheilus** RAYMOND, 1924 [preocc., replaced by *Peracheilus*].
- Achlysopsis** FRITZ, 1968 [liokata] Pioche Sh, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Aciulolenus** PALMER, 1965 [peculiaris] *Elvinia* Zone, Nevada, USA; OLENIDAE; UCAM.
- Acidaspidella** POKROVSKAYA in ROZOVA, 1963 [limata] Tavgiyskiy Gorizont, Siberia, Russia; LICHAKEPHALIDAE; MCAM.
- Acidaspides** LERMONTOVA, 1951a [precurrans] Boshche-Kulya, NE Kazakhstan; LICHAKEPHALIDAE; UCAM.
- Acidaspidina** LAZARENKO, 1960 [plana] Yenisey River, NW Siberia, Russia; LICHAKEPHALIDAE; UCAM.
- Acidaspis** MURCHISON, 1839 [brightii] Much Wenlock Lst Fm, England; ODONTOPLEURIDAE; LSIL.
- Acidiphorus** RAYMOND, 1925 [spinifer] Table Point Fm, Newfoundland, Canada; BATHYURIDAE; MORD.
- Acidiscus** RASETTI, 1966 [birdi] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIIDAE; LCAM.
- Acidusus** ÖPIK, 1979 [Ptychagnostus (*Acidusus*) *acidusus*] Currant Bush Limestone, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM [j.s.s. of *Ptychagnostus*, fide PENG & ROBISON, 2000].
- Acimetopus** RASETTI, 1966 [bilobatus] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIIDAE; LCAM.
- Acmarrhachis** RESSER, 1938b [typicalis] Nolichucky Fm, Alabama, USA; AGNOSTIDAE; UCAM.
- Acontheus** ANGELIN, 1851 [acutangulus] Andrarum Lst, Sweden; CORYNEXOCHIDAE; MCAM.
- Acrectopyge** HAWLE & CORDA, 1847 in VOGDES, 1925 [error for *Acanthopyge*].
- Acrocephalaspina** ERGALIEV, 1980 [insueta] Aksayan, Kazakhstan; EULOMIDAE; UCAM.
- Acrocephalaspis** IVSHIN, 1956 [fidus] Kujandinsk Horizon, central Kazakhstan; SOLENOPLEURIDAE; UCAM.
- Acrocephalella** ROZOVA, 1963 [granulosa] Nganasansk Horizon, Siberia, Russia; ACROCEPHALITIDAE; UCAM.
- Acrocephalina** TROEDSSON, 1937 [armata] Tor-suqtagh Fm, Xinjiang, China; DOKIMOCEPHALIDAE; UCAM.
- Acrocephalinella** M.ROMANENKO in LAZARENKO & NIKIFOROV, 1968 [Acrocephalina borealica LAZARENKO, 1960] Kulyumbina Fm, NW Siberia, Russia; ACROCEPHALITIDAE; UCAM.
- Acrocephalites** WALLERIUS, 1895 [Calymene stenometopa ANGELIN, 1851] Västergötland, Sweden; ACROCEPHALITIDAE; UCAM.
- Acrocephalops** POULSEN, 1927 [gibber] Cape Wood Fm, NW Greenland; BOLASPIDIDAE; MCAM.
- Acrodirotes** ÖPIK, 1967 [fastosa] Georgina Lst, Queensland, Australia; ACROCEPHALITIDAE; UCAM.
- Acrohybus** RAYMOND, 1937 [argutus] Rockledge Cgte, Vermont, USA; HUNGAIIDAE; UCAM [j.s.s. of *Hungaria*, fide JELL, herein].
- Acrolichas** FOERSTE, 1919b [Lichas cucullus MEEK & WORTHEN, 1868] Kimmswick Fm, Missouri, USA; LICHIDAE; MORD [j.s.s. of *Amphilichas*, fide WARBURG, 1939].
- Acropyge** QIAN, 1977 [multisegmenta] Qinglong, Guizhou, China; PROETIDAE; UPERM.
- Actinobolus** EICHWALD, 1858 [misspelling of *Actinobolus*].
- Actinobolus** EICHWALD, 1858 [preocc., not replaced] [j.s.s. of *Iliaenus*, fide JAANUSSON, 1954].
- Actinopeltis** HAWLE & CORDA, 1847 [carolilalexandri] Králův Dvůr Fm, Czech Republic; CHEIRURIDAE; UORD.
- Actinopeltis** POULSEN, 1946 [preocc., replaced by *Grinclaspis*].
- Aculeodiscus** ŠNAJDR, 1950 [bohemicus] Jince Fm, Czech Republic; EODISCIDAE; MCAM. [j.s.s. of *Dawsonia*, fide JELL, 1997].
- Acutaspis** REPINA in REPINA et al., 1976 [facilis] Shevlinsk Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of *Triangulaspis*, JELL, 1997].
- Acutatagnostus** ERGALIEV, 1980 [acutatus] Sakian, Kazakhstan; AGNOSTIDAE; UCAM [j.s.s. of *Aagnostus*, fide ROBISON, 1988].
- Acuticryphops** CRÔNIER & FEIST, 2000 [Phacops (*Trimeroccephalus*) *acuticeps* KAYSER, 1889] Adorf Lst, Rhenish Massif, Germany; PHACOPIDAE; UDEV.
- Acutimetopus** HAHN & HAHN, 1985 [*Cheiryopyge kansasensis* WELLER, 1944] Haskell Lst, Kansas, USA; BRACHYMETOPIDAE; PERM.
- Adastoccephalum** MITCHELL, 1919 [telcotypicum] Elmside Fm, New South Wales, Australia; PHACOPIDAE; LDEV.
- Adelogonus** ÖPIK, 1967 [solus] O'Hara Sh, Queensland, Australia; ??DAMESELLIDAE; UCAM.
- Aedotes** ÖPIK, 1967 [instans] Mungerebar Lst, Queensland, Australia; LEIOSTEGIIDAE; UCAM.
- Aeglina** BARRANDE, 1850 [replacement name for *Egle*] [j.o.s. of *Cyclopyge*].
- Aegrotocatellus** ADRAIN & EDGEcombe, 1995 [jaggeri] Douro Fm, Nunavut, Canada; ENCRINURIDAE; USIL.
- Aegunaspis** HAJRULLINA in REPINA et al., 1975 [proxima] *Sdzuyella-Aegunaspis* Zone, Turkestan; DOLICHOMETOPIDAE; MCAM.

- Aeonia* BURMEISTER, 1843 [j.o.s. of Proetus].
- Aethedionide* ZHOU & JU in QIU et al., 1983 [fusiformis] Huangnchakang Fm, Zhejiang, China; DIONIDIDAE; UORD.
- Aethia* QIAN & ZHOU, 1984 [rectangula] Kunshan County, Jiangsu, China; UNCERTAIN; MCAM.
- Aethoehuangia* QIAN, 1994 [nodula] Changshan Fm, Liaoning, China; LEIOSTEGIIDAE; UCAM.
- Afghanecephalites* WOLFART, 1970 [angustus] Surkh Bum Fm, Afghanistan; ACROCEPHALITIDAE; LORD.
- Afghanoecare* WOLFART, 1974b [angustegenatum] Surkh Bum, Afghanistan; ANOMOCARIDAE; MCAM.
- Afrops* ALBERTI, 1983 [larvifer] Ben Zireg, SW Algeria; PHACOPIIDAE; LDEV.
- Agalatus* LISOGOR, 1961 [cavernosus] Kenyitkas, Kazakhstan; OLENIDAE; LORD [j.s.s. of Inkouia, fide W. ZHANG, 1985].
- Agasella* LERMONTOVA & CHERNYSHEVA in CHERNYSHEVA, 1950 [falcata] *Paradoxides forchhammeri* Zone, E Siberia, Russia; AGRAULIDAE; MCAM.
- Agaso* COBBOLD in COBBOLD & POCOCK, 1934 [rushtonensis] *P. forchhammeri* Grit, England; AGRAULIDAE; MCAM.
- Agelagma* ÖPIK, 1967 [quadratum] Mungerebar Lst, Queensland, Australia; CATILLICEPHALIDAE; MCAM.
- Agerina* TJERNVIK, 1956 [erratica] Billingen Gp, Närke, Sweden; LEIOSTEGIIDAE; LORD.
- Agnostardis* ÖPIK, 1963 [amplinatus] Georgina Lst, Queensland, Australia; GLYPTAGNOSTIDAE; UCAM.
- Agnostaseus* ÖPIK, 1967 [gravis] Mungerebar Lst, Queensland, Australia; AMMAGNOSTIDAE; UCAM [j.s.s. of Proagnostus, fide SHERGOLD et al., 1990].
- Agnostoglossa* ÖPIK, 1967 [bassa] Mungerebar Lst; AMMAGNOSTIDAE; UCAM. [j.s.s. of Ammagnostus, fide SHERGOLD et al., 1990]
- Agnostogonus* ÖPIK, 1967 [incognitus] O'Hara Sh, Queensland, Australia; AGNOSTINA FAMILY UNCERTAIN; UCAM.
- Agnostonymus* ÖPIK, 1979 [Onymagnostus (*Agnostonymus*) semiermis] Currant Bush Lst, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM [j.s.s. of Onymagnostus, fide SHERGOLD et al., 1990].
- Agnostotes* ÖPIK, 1963 [inconstans] Pomegranate Lst, Queensland, Australia; DIPLAGNOSTIDAE; UCAM.
- Agnostus* BRONGNIART, 1822 [Entomostracites pisi-formis WAHLENBERG, 1821] Kinnkulle, Västergötland, Sweden; AGNOSTIDAE; UCAM.
- Agrauloides* HOWELL, 1937 [*Agraulos socialis* BILLINGS, 1874] Trinity Bay, Newfoundland, Canada; AGRAULIDAE; MCAM [j.s.s. of *Agraulos*, fide HENNINGSMOEN in MOORE, 1959].
- Agraulopsis* RUZICKA, 1940 [resseri] Jince Fm, Czech Republic; PTYCHOPARIIDAE; MCAM [j.s.s. of *Ptychoparia*, fide ŠNAJDR, 1958a].
- Agraulos* HAWLE & CORDA, 1847 [*Arion ceticephalus* BARRANDE, 1846a] Jince Fm, Czech Republic; AGRAULIDAE; MCAM [first replacement name for *Arion*].
- Aguaraya* RUSCONI, 1954b [acutispina] Mendoza, Argentina; INDET; CAM.
- Aguilarella* BENEDETTO, 1977 [tapiiai] Santa Rosita Fm, Argentina; IDAHOIIDAE; UCAM.
- Agyreuella* IVSHIN, 1957 [macropleura] *Erbia* Zone, central Kazakhstan; UNCERTAIN; LCAM.
- Aiaiaspis* NAZAROV, 1973 [nativa] Ust-Maisk Fm, SE Siberia, Russia; SOLENOPLEURIDAE; MCAM.
- Aidarella* LERMONTOVA, 1951a [vigilans] Boshche-Kulya, NE Kazakhstan; SOLENOPLEURIDAE; UCAM.
- Aikhaliella* OGIENKO in OGIENKO & SKURATOVA, 1987 [partita] Chukuksk Fm, SE Siberia, Russia; SOLENOPLEURIDAE; MCAM.
- Ainasuella* MAKSIMOVA, 1978a [*Phacops ainasensis* BALASHOVA, 1968] central Kazakhstan; PHACOPIIDAE; LDEV.
- Ainoa* MÄNNIL, 1958b [maeuensis] Keila Stage, Estonia; CHEIRURIDAE; UORD [j.s.s. of *Holia*, fide ADRAIN, herein].
- Aistagnostus* XIANG & ZHANG, 1985 [laevigatus] Changshan Fm, Xinjiang, China; AGNOSTIDAE; UCAM.
- Ajaeiercipida* W. ZHANG & JELL, 1987 [*Arionellus ajax* WALCOTT, 1905] Changhia Fm, Shandong, China; ?CERATOPYGIDAE; MCAM.
- Ajrikiina* KRYSKOV in BOROVIKOV & KRYSKOV, 1963 [bulakensis] southern Kazakhstan; ALSATASPIDIDAE; UCAM.
- Akantharges* PHILEGER, 1936 [*Lichas gourdonni* BARROIS, 1886a] Schistes à trilobites de Cathervielle, Pyrenees, France; LICHIDAE; MDEV.
- Akbashiehia* KOROBOV, 1989 [plana] Akbashinsky Fm, W Mongolia; REDLICHIIINA FAMILY UNCERTAIN; LCAM.
- Akoldinioidia* ZHOU & ZHANG, 1984 [pustulosa] Fengshan Fm, Hebei, China; SHUMARDIIDAE; UCAM [j.s.s. of *Koldinioidia*, fide SHERGOLD, 1991].
- Aksapyge* LISOGOR, 1977a [*Macropyge foveata* LISOGOR, 1970] Shabaktin Fm, Kazakhstan; CERATOPYGIDAE; UCAM [j.s.s. of *Promacropyge*, fide PENG, 1992].
- Aksayaspis* G. ERGALIEV in ERGALIEV & ERGALIEV, 2001 [convexus] Zhumabaisk Fm, Kazakhstan; CHEILOCEPHALIDAE; UCAM.
- Aksnaspis* ZHOU et al., 1998b [aksuensis] Qiulitag Group, Xinjiang, China; BATHYURIDAE; LORD.
- Aktugaiella* ERGALIEV, 1980 [acuminulata] *Trisulcagnostus irisulcus* Zone, Kazakhstan; REMOPLEURIDIDAE; LORD.

- Alacephalus** REPINA, 1960 [contortus] Lower Kameshkov Fm, SW Siberia, Russia; EDELSTEINASPIDIDAE; LCAM.
- Alanisia** HUPE, 1953a [Camaraspis guillermoi RICHTER & RICHTER, 1940] Alania Sh, Spain; ESTANGIIDAE; LCAM.
- Alaskadiscus** S. ZHANG in W. ZHANG et al., 1980a [Neocobboldia spinosa PALMER, 1968] Adams Argillite, E Alaska; YUKONIIDAE; LCAM.
- Alaskaethe** HAHN & HAHN, 1991 [muffleri] Ladronec Lst, SE Alaska, USA; PROETIDAE; PENN.
- Alataupleura** LISOGOR, 1977a [duoculiensis] Tuyuksaisk Fm, Kazakhstan; ALSATASPIDIDAE; LORD.
- Alataurus** REPINA in REPINA et al., 1964 [menneri] Bazaikh Horizon, Kuznetsk Alatau, Russia; PALAEOLENIDAE; LCAM.
- Albansia** HOWELL, 1937 [pusilla] St Albans Sh, Vermont, USA; SOLENOPLEURIDAE; MCAM.
- Albertella** WALCOTT, 1908 [helena] Gordon Sh, Montana, USA; ZACANTHOIDIDAE; MCAM.
- Albertellina** PALMER in PALMER & HALLEY, 1979 [aspinosa] Carrara Fm, Nevada, USA; ZACANTHOIDIDAE; MCAM.
- Albertelloides** FRITZ, 1968 [mischii] Carrara Fm, Nevada, USA; ZACANTHOIDIDAE; MCAM.
- Alberticoryphe** ERBEN, 1966 [Astycoryphe cogneyi ALBERTI, 1964] Ghtira Lst, NW Morocco; TROPIDOCORYPHIDAE; LDEV.
- Alborsella** KUSHAN, 1973 [stoecklini] Alborz Mtns, Iran; PTYCHASPIDIDAE; UCAM.
- Alcaldops** ARBIZU, 1979 [alcaldeji] Cantabrian Mtns, Spain; ACASTIDAE; MDEV [j.s.s. of Heliopyge, fide MORZADEC, 1983].
- Alceste** HAWLE & CORDA, 1847 [latissima] Králův Dvůr Fm, Czech Republic; STYGINIDAE; UORD.
- Alcymene** RAMSKÖLD et al., 1994 [Calymene neo-intermedia RICHTER & RICHTER, 1954] Hemse Fm, Gotland, Sweden; CALYMENIDAE; USIL.
- Aldanaspis** LERMONTOVA, 1940 [punctata] *Paradoxides forchhammeri* Zone, Aldan region, Yakutia; SOLENOPLEURIDAE; MCAM.
- Aldonaia** LERMONTOVA, 1940 [ornata] Keteme Fm, Siberia, Russia; ALDONAIIDAE; LCAM.
- Alekcinnella** IVSHIN, 1962 [delicata] Seletinsk Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Alemtejoia** KOBAYASHI, 1943a [Microdiscus souzai DELGADO, 1904] Spain; HEBEDISCIDAE, LCAM [j.s.s. of Delgadella, fide JELL, 1997].
- Aliger** HOWELL, 1937 [preocc. replaced by *Aligerites*].
- Aligerites** HOWELL, 1942 [*Aliger venustus* HOWELL, 1937] St Albans Sh, Vermont, USA; UNCERTAIN; MCAM [replacement name for *Aliger*].
- Alimbetaspis** BALASHOVA, 1961 [kelleri] Aktyubinsk region, Kazakhstan; OLENIDAE; LORD [j.s.s. of Jujuyaspis, fide NIKOLAISEN & HENNINGSMOEN, 1985].
- Allobodochus** ÖPIK, 1979 [*Ptychagnostus* (Goniagnostus) fumicola ÖPIK, 1961] Devoncourt Lst, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM.
- Alloctops** RAFINESQUE, 1832 [see NOTE 2].
- Alloillaenus** LIU, 1982 [glabrous] Xinghuang, Hunan, China; ILLAENIDAE; LORD.
- Alloleiostegium** ZHOU & ZHANG, 1978 [*Leio-stegium* (Alloleiostegium) punctatum] Yehli Fm, Hebei, China; LEIOSTEGIIDAE; LORD [j.s.s. of *Leiostegium*, fide ZHOU & J.ZHANG, 1984].
- Allolichas** KRUEGER, 1992 [longispinus] Backstein Lst, Teschendorf, N Germany; LICHIDAE; UORD.
- Alokistocare** LORENZ, 1906 [*Conocephalites sub-coronatus* HALL & WHITFIELD, 1877] ALOKISTOCARIDAE; MCAM.
- Alokistocarella** RESSER, 1938b [typicalis] Rutledge Fm, Virginia, USA; ALOKISTOCARIDAE; MCAM.
- Alokistocaropsis** REPINA in SHIRAKOVA & REPINA 1964 [elegans] Kuznetsk Alatau, Siberia, Russia; ALOKISTOCARIDAE; LCAM.
- Alomataspis** ÖPIK, 1967 [enodis] Steamboat St, Queensland, Australia; PROASAPHISCIDAE; MCAM.
- Alreboaspis** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [*Borealaspis biformis* LUDVIGSEN, 1976] Whittaker Fm, Northwest Territories, Canada; CHEIRURIDAE; UORD [j.s.s. of *Borealaspis*, fide HESSIN, 1989].
- Alsataspis** TURNER, 1940 [bakeri] Marathon Lst, Texas, USA; ALSATASPIDIDAE; LORD [j.s.s. of *Seleneceme*, fide WHITTINGTON, 1952].
- Altaepeltis** MAKSIMOVA, 1968 [*Webcropeltis* bublitchenkoi MAKSIMOVA, 1960] Kur'insk Fm, Rudny Altai, E Kazakhstan; STYGINIDAE; MDEV.
- Altaesajania** MAKSIMOVA, 1978a [*Phacopidella primitiva* MAKSIMOVA, 1960] Altay Sayan, S Siberia, Russia; PHACOPIDAE; MDEV.
- Altaiaspis** IVSHIN in KHALFIN, 1960 [altaiensis] Salair, Russia; EULOMIDAE; UCAM.
- Altajaspis** ĚLKIN, 1965 [mirabilis] Yaagyrsk Fm, Altay, Russia; PROETIDAE; USIL.
- Altikolia** HAJRULLINA in HAJRULLINA & YASKOVICH, 1961 [posochovae] Mumbel Pass, Tadzhikistan; PTYCHOPARIIDAE; LCAM.
- Altioculus** SUNDBERG, 1994 [drumensis] Swasey Lst, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Altiplanelaspis** PŘIBYL & VANĚK, 1980 [palquensis] *Kainella meridionalis* Biozone, Bolivia; UNCERTAIN; LORD.
- Altitudella** REPINA in REPINA et al., 1974 [tenera] Sektensk Fm, Siberia, Russia; PTYCHOPARIIDAE; LCAM.
- Alueva** SDZUY, 1961 [undulata] Murero, Spain; ELLIPSOCEPHALIDAE; LCAM.

- Alwynulus* TRIPP, 1967 [peregrinus] Upper Stinchar Lst, Scotland; ENCRINURIDAE; MORD.
- Amblyceranium* ROSS, 1951 [variable] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Ambonolium* RAYMOND, 1924 [lioderma] Gorge Fm, Vermont, USA; ILLAENURIDAE; UCAM.
- Ambonsium* KOBAYASHI, 1941 [misspelling of *Ambonolium*].
- Amecephalina* POULSEN, 1927 [mirabilis] Cape Wood Fm, Greenland; ALOKISTOCARIDAE; MCAM.
- Amecephalites* EDDY & McCOLLUM, 1998 [sundbergi] Pioche Sh, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Amecephaloides* REPINA in REPINA et al., 1964 [solontzensis] Solontsov Horizon, Kuznetsk Alatau, Russia; ALOKISTOCARIDAE; LCAM.
- Amecephalus* WALCOTT, 1924b [Ptychoparia piochensis] WALCOTT, 1886] Chisholm Fm, Nevada, USA; ALOKISTOCARIDAE; MCAM.
- Amechilus* ROSS, 1951 [palaora] Garden City Fm, Idaho, USA; UNCERTAIN; LORD.
- Americare* LOCHMAN & HU, 1960 [Glyphaspis tetonensis] RESSER, 1937b] Death Canyon Fm, Wyoming, USA; ANOMOCARELLIDAE; MCAM [j.s.s. of *Glyphaspis*, fide MELZAK & WESTROP, 1994].
- Ameropiltonia* BREZINSKI, 2000a [lauradanae] Compton Lst, Missouri, USA; PROETIDAE; MISS.
- Ameura* WELLER, 1936 [Phillipsia (Griffithides) sangamonensis] MEEK & WORTHEN, 1865] Lower Fort Scot Lst, Missouri; PROETIDAE; PENN.
- Amgaspidella* CHERNYSHEVA in KHALFIN, 1960 [elongata] Amgaian, Siberia, Russia; AMGASPIDIDAE; MCAM.
- Amgaspis* CHERNYSHEVA in CHERNYSHEVA et al., 1956 [medius] Amgaian, Siberia, Russia; AMGASPIDIDAE; MCAM.
- Amginia* PEGEL, 1981 [expressa] Tankhaisk Fm, Siberia, Russia; ANOMOCARIDAE; MCAM.
- Amginoerbia* CHERNYSHEVA in EGOVA et al., 1976 [selecta] Elanskoc Fm, Lena River, Siberia, Russia; DINESIDAE; LCAM.
- Amginouyia* CHERNYSHEVA et al., 1956 [elegans] E Yakutia, Russia; UTIIDAE; MCAM.
- Amiaspis* LOCHMAN in LOCHMAN & DUNCAN, 1944 [erratica] Pilgrim Fm, Montana, USA; LONCHOCEPHALIDAE; UCAM.
- Amicus* KOROLEVA, 1967 [montanus] central Kazakhstan; CYCLOPYGIDAE; UORD.
- Ammagnostus* ÖPIK, 1967 [psammius] O'Hara Sh, Queensland, Australia; AMMAGNOSTIDAE; MUCAM.
- Amorphella* ROZOVA, 1963 [modesta] Yurakiysky Horizon, Siberia, Russia; APHELASPIDIDAE; UCAM.
- Amphilichas* RAYMOND, 1905a [Platymetopus lineatus] ANGELIN, 1854] Boda Lst, Dalarna, Sweden; LICHIDAE; UORD [replacement name for *Paralichas*].
- Amphion* PANDER, 1830 [preocc., replaced by *Pliomera*].
- Amphitryon* HAWLE & CORDA, 1847 [murchisoni] Králův Dvůr Fm, Czech Republic; REMOPLURIDIDAE; UORD.
- Amphoriops* HAMMANN & LEONE, 1997 [Thaleops inflata] HAMMANN, 1992] Cystoid Lst, Aragón, Spain; STYGINIDAE; UORD.
- Amphoton* LORENZ, 1906 [steinmanni] Changhia Fm, Shandong, China; DOLICHOMETOPIDAE; MCAM.
- Amphotonella* KOBAYASHI, 1942a [Dolichometopus alceste] WALCOTT, 1905] Changhia Fm, Shandong, China; DOLICHOMETOPIDAE; MCAM [j.s.s. of *Amphoton*, fide W. ZHANG & JELL, 1987].
- Ampullatocephalina* LU & QIAN, 1983a [bifida] Changshan Fm, Liaoning, China; LEIOSTEGIDAE; UCAM.
- Ampulliglabella* KOBAYASHI & HAMADA, 1984c [kojimai] Kanokura Fm, Japan; PROETIDAE; PERM.
- Ampyx* DALMAN, 1827 [Asaphus (*Ampyx*) nasutus] DALMAN, 1827] Västana, Sweden; RAPHIOPHORIDAE; MORD.
- Ampyxella* DEAN, 1960 [*Ampyx* (*Raphiophorus*) edgelli] REED, 1932] Onnian, England; RAPHIOPHORIDAE; UORD.
- Ampyxina* ULRICH, 1922 [bassleri] Thebes Sst, Illinois, USA; RAPHIOPHORIDAE; UORD.
- Ampyxinella* KOROLEVA, 1959 [*Ampyx rugosus* KOLOVA, 1936] Dzhebaglin Horizon, Dzhebagly Mountains, N Kazakhstan; RAPHIOPHORIDAE; UORD.
- Ampyxinops* W. ZHANG, 1979 [*Ampyxina biloba* CHUGAEVA, 1958] Kopolin and Karakan Horizons, Chu-Ili Mtns, Kazakhstan; RAPHIOPHORIDAE; MORD [j.s.s. of *Malongullia*, fide ZHOU et al., 1995].
- Ampyxoides* WHITTINGTON, 1965a [*Ampyx semicostatus* BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; RAPHIOPHORIDAE; MORD.
- Amquia* RASETTI, 1946b [truncata] Levis Fm, Quebec, Canada; LLANOASPIDIDAE; UCAM.
- Amurticephalus* SHAH et al., 1991 [elongatus] Nutunus Fm, Kashmir, India; AGRAULIDAE; MCAM [j.s.s. of *Parachittidilla*, fide JELL & HUGHES, 1997].
- Amzasskiella* POLETAEVA in KHALFIN, 1960 [mirabilis] Algainsk Fm, Gorny Shoria, W Siberia, Russia; EULOMIDAE; LORD.
- Anabaraceps* REPINA, 1972 [kharaulachiensis] *Paramicmacca* Zone, NE Yakutia; PARADOXIDAE; MCAM.
- Anabarasps* LERMONTOVA, 1951b [splendens] Keteme Fm, Siberia, Russia; PARADOXIDAE; MCAM.

- Anacaenaspis** BRUTON, 1967 [gotlandensis] Hemse Fm, Gotland, Sweden; ODONTOPLEURIDAE; USIL.
- Anacheiruraspis** NAN, 1985a [lineata] Huangbanjianshan Fm, Heilongjiang, China; PILEKIIDAE; LORD.
- Anacheirurus** REED, 1896 [Cheirurus (Eccoptochile) frederici] SALTER, 1864a] Tremadoc, N Wales; PILEKIIDAE; LORD.
- Anadoxides** MATTHEW, 1899c [Paradoxides armatus MENECHINI, 1881] Nebida Fm, Sardinia, Italy; METADOXIDIDAE; LCAM [j.s.s. of Metadoxides, fide W. ZHANG et al., 1997].
- Analocaspis** OWENS, 1970 [ursina] Arnestad Fm, Norway; RORRINGTONIIDAE; UORD [j.s.s. of Rorringtonia, fide OWENS, 1981].
- Analox** RASETTI, 1966 [bipunctata] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIIIDAE; LCAM.
- Anambon** LANDRUM & SHERWIN, 1976 [Warburgella (Anambon) jelli] Derriwong Beds, New South Wales, Australia; PROETIDAE; LDEV.
- Ananaspis** CAMPBELL, 1967 [Phacops fecundus communis] BARRANDE, 1852] Kopanina Fm, Czech Republic; PHACOPIIDAE; USIL.
- Anapliomera** DEMOTT, 1987 [shirlandensis] Platteville Group, Illinois, USA; PLIOMERIDAE; UORD.
- Anasobella** CAMPBELL, 1967 [asper] Henryhouse Fm, Oklahoma, USA; CHEIRURIDAE; USIL.
- Anataphrus** WHITTINGTON, 1954 [borraeus] Baffin Island, Nunavut, Canada; ASAPHIDAE; UORD.
- Anaximander** FORTEY, 1974b [clavatus] Valhalla-fonna Fm, Spitsbergen; OLENIDAE; LORD.
- Anchiopella** REED, 1907b [Encrinurus cristagalli WOODWARD, 1873] Gydo Fm, South Africa; CALMONIIDAE; LDEV [see NOTE 7].
- Anchiopsis** DELO, 1935 [Calymene anchiops GREEN, 1832] Schoharie Fm, New York, USA; DALMANITIDAE; LDEV [see NOTE 7].
- Ancyginaspis** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Cyrtometopus priscus] TJERNVIK, 1956] Bilingen Group, Närke, Sweden; CHEIRURIDAE; LORD.
- Ancyropyge** CLARKE, 1892a [Acidaspis romingeri HALL & CLARKE, 1888] Gravel Point Fm, Michigan, USA; STYGINIDAE; MDEV.
- Andalusiana** SDZUY, 1961 [cornuta] Guadalcanal, Spain; HOLMIIDAE; LCAM.
- Andegavia** PILLET, 1973a [simplex] Angers Lst, Bretagne, France; STYGINIDAE; LDEV.
- Anderssonella** KOBAYASHI, 1936b [fentienensis] Shakuotun Lst, Liaoning, China; SAUKIIDAE; UCAM. [replacement name for Anderssonia].
- Anderssonia** SUN, 1924 [preocc. replaced by Anderssonella]
- Andesaspis** KOBAYASHI, 1935b [argentinensis] Prairie Catamarca, Argentina; OLENIDAE; LORD [j.s.s. of Leptoplastides, fide HENNINGS-MOEN, 1957].
- Andinacaste** ELDREDGE & BRANIŠA, 1980 [Phacopina braziliensis (CLARKE) var. chojnacotensis] SWARTZ, 1925] Catavi Fm, Bolivia; CALMONIIDAE; USIL/LDEV.
- Andrarina** RAYMOND, 1937 [Liostracus costatus] ANGELIN, 1854] Andrarum Lst, Sweden; ANDRARINIDAE; MCAM [replacement name for Liostracus].
- Andreaspis** STRUVE, 1962 [phacopoides] Andraesteich Quartzite, Hessen, Germany; DALMANITIDAE; UORD.
- Anebolithus** HUGHES & WRIGHT, 1970 [Incaia simplicior] WHITTARD, 1966] Mytton Flags Fm, England; TRINUCLEIDAE; LORD.
- Anechocephalus** PALMER, 1960 [trigranulatus] Dunderberg Fm, Nevada, USA; ?PTEROCEPHALIIDAE; UCAM.
- Anemocephalops** IVSHIN, 1962 [divaricatus] Seltinsky Horizon, Kazakhstan; MARJUMIIDAE; UCAM.
- Anemocephalus** IVSHIN, 1962 [satpakensis] Lermontovskiy Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Aneucanthus** ANGELIN, 1854 [unnecessary replacement of Acontheus and thus j.o.s. of Acontheus].
- Aneucanthus** BARRANDE, 1856 [unnecessary emendation of Aneucanthus and thus j.o.s. of Acontheus]
- Angelina** SALTER in MURCHISON, 1859 [sedgwickii] Tremadoc, N Wales; OLENIDAE; LORD.
- Anginouyia** SAVITSKY et al., 1974 [quoted in NOMENCLATOR ZOOLOGICUS vol. 8; misspelling of Amginouyia].
- Anglagnostus** HOWELL, 1935b [Agnostus dux] CALLAWAY, 1877] Shineton Sh Fm, England; AGNOSTIDAE; LORD.
- Anglibole** ARCHINAL, 1991 ["Proetus" (subg.?) anglicus] RICHTER, 1913] Whiteway Slates Fm, England; PROETIDAE; MISS.
- Angsiduoa** ZHOU in ZHOU et al., 1996 [lajishanensis] Liudaogou Fm, Qinghai, China; MAPANIIDAE; UCAM.
- Angulophacops** MAKSIMOVA, 1978c [Phacops angulatus] MAKSIMOVA, 1968] Sardzhal'skii Horizon, central Kazakhstan; PHACOPIIDAE; LDEV.
- Augustaeva** HUPÉ, 1953a [Ptychoparia? annio] COBBOLD, 1910] Comley Lst Fm, England; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Triangulaspis, fide SDZUY, 1961].
- Angustibole** HAHN, 1965b [Archegonus (Angustibole) winterbergensis] Erdbach Lst, Harz Mtns, Germany; PROETIDAE; MISS.
- Angustolenellus** PALMER & REPINA, 1993 [Olenellus hamoculus] COWIE & McNAMARA, 1978] NW Scotland; OLENELLIDAE; LCAM.
- Anhuiaspis** QIAN & QIU in QIU et al., 1983 [gingyangensis] Wucun Fm, Anhui, China; KAOLISHANIIDAE; UCAM.

- Anisonotella** WHITTINGTON, 1952b [*Shumardia glacialis* BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; RAPHIOPHORIDAE; MORD [replacement name for *Anisonotus*].
- Anisonotus** RAYMOND, 1920 [preocc., replaced by *Anisonotella*].
- Anisopyge** GIRTY, 1908 [*Phillipsia perannulata* SHUMARD, 1858] Capitan Lst, Texas, USA; PROETIDAE; PERM.
- Ankoura** RESSER, 1938b [triangularis] Nolichucky Fm, Tennessee, USA; KINGSTONIIDAE; MUCAM.
- Annamitella** MANSUY, 1920 [asiatica] Dong-son, Vietnam; LEIOSTEGIIDAE; LORD.
- Annamitia** MANSUY, 1916 [spiniifera] Penkai, Vietnam; ALOKISTOCARIDAE; UCAM.
- Anomalocephalus** DEISS, 1939 [ornatus] Pentagon Sh. Montana, USA; ALOKISTOCARIDAE; MCAM [j.s.s. of *Ehmaniella*, fide HOWELL in MOORE, 1959].
- Anomocaraspis** IVSHIN, 1953 [*Anomocare hundwarensis* REED, 1934] Nutunus Fm, Kashmir, India; PROASAPHISCIDAE; MCAM [j.s.s. of *Hundwarella*, fide JELL & HUGHES, 1997].
- Anomocare** ANGELIN, 1851 [*Proetus laevis* ANGELIN, 1851] Andrarum Lst, Sweden; ANOMOCARIDAE; MCAM.
- Anomocarella** WALCOTT, 1905 [chinensis] Changhia Fm, Shandong, China; ANOMOCARELLIDAE; MCAM.
- Anomocarellius** HAJRULLINA, 1973 [asiaticus] Mayaian, Turkestan Ranges, Uzbekistan; ASAPHISCIDAE; MCAM.
- Anomocarina** LERMONTOVA, 1940 [*Proetus excavatus* ANGELIN, 1851] Andrarum Lst, Sweden; ANOMOCARIDAE; MCAM.
- Anomocarioides** LERMONTOVA, 1940 [*Proetus? limbatus* ANGELIN, 1851] Andrarum Lst, Sweden; ANOMOCARIDAE; MCAM.
- Anomocariopsis** SIVOV in EGOROVA et al., 1955 [salaiensis] Salair Fm, Salair, Russia; ANOMOCARIDAE; MCAM.
- Anopocare** ANGELIN, 1854 [pusillum] *Peltura scarabaeoides* Zone, Sweden; OLENIDAE; UCAM [j.s.s. of *Peltura*, fide WESTERGÅRD, 1922].
- Anopocodia** ÖPIK, 1967 [globiceps] O'Hara Sh, Queensland, Australia; DICERATOCEPHALIDAE; MUCAM.
- Anopolenus** SALTER, 1864c [henrici] Menevian Beds, SW Wales; CENTROPLEURIDAE; MCAM.
- Anoria** WALCOTT, 1924b [*Dolichometopus tontoensis* WALCOTT, 1916b] Bright Angel Sh. Arizona, USA; DOLICHOMETOPIDAE; UCAM.
- Anorina** WHITEHOUSE, 1936 [j.o.s. of *Euasaphus*].
- Antagmella** SUVOROVA in OGIENKO, 1974 [tetchuica] Podkamensk Horizon, S Siberia, Russia; ANTAGMIDAE; MCAM.
- Antagmopleura** LERMONTOVA in KHALFIN, 1960 [flerovae] Amgaian, Siberia, Russia; UTIIDAE; MCAM.
- Antagmus** RESSER, 1936 [*Ptychoparia teucer* WALCOTT, 1886] Winooski, Vermont, USA; ANTAGMIDAE; MCAM.
- Antatlasia** HUPÉ, 1953a [hollardi] Issafen Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Anthes** GOLDFUSS, 1843 [j.o.s. of *Pectura*].
- Anthracopeltis** BOULAY, 1880 [crepini] Houiller, France; INDET (fide HENNINGSMOEN in MOORE, 1959); ?ORD.
- Anujaspis** BALASHOVA, 1960 [anujca] Artinskian, Kolyma, Far East, Russia; PROETIDAE; LPERM.
- Anuloides** IVSHIN, 1962 [wikrami] Seletinsky Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Aocaspis** DOLAMBI & GOND, 1992 [*Platypeltis? macrophthalmus* THORAL, 1935] Schistes de Saint-Chinian Fm, S France; NILEIDAE; LORD.
- Aojia** RESSER & ENDO in KOBAYASHI, 1935c [spinosa] Changhia Fm, Liaoning, China; LISANIIDAE; MCAM [j.s.s. of *Lisania*, fide W. ZHANG & JELL, 1987].
- Aotagnostus** ÖPIK, 1979 [culminosus] V Creek Lst, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM [j.s.s. of *Ptychagnostus*, fide PENG & ROBISON, 2000].
- Aotiaspis** KOBAYASHI, 1960a [oblonga] Tomkol Sh, South Korea; REMOPLEURIDIDAE; LORD.
- Apachia** FREDERICKSON, 1949 [trigonis] Honey Ck Fm, Oklahoma, USA; DOKIMOCEPHALIDAE; UCAM.
- Apachilites** IVSHIN, 1962 [*Apachia* (*Apachilites*) *cupidata*] Seletinsk Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM [j.s.s. of *Apachia*, fide WESTROP, 1986b].
- Apatokephalina** SIVOV in EGOROVA et al., 1955 [bruta] Tolstochikhin Fm, Salair, Russia; REMOPLEURIDIDAE; UCAM.
- Apatokephaloides** RAYMOND, 1924 [clivossus] Gorge Fm, Vermont, USA; REMOPLEURIDIDAE; UCAM.
- Apatokephalops** LU in LU et al., 1974a [undulatus] Panho Fm, Sichuan, China; REMOPLEURIDIDAE; LORD.
- Apatokephalus** BRÖGGER, 1896 [*Trilobites serratus* SARS & BOECK in BOECK, 1838] Bjork-asholmen Fm, Norway; REMOPLEURIDIDAE; LORD.
- Apatolichas** WHITTINGTON, 1963 [*Lichas jukesi* BILLINGS, 1865] Shallow Bay Fm, Newfoundland, Canada; LICHIDAE; MORD.
- Apedopyanus** RAYMOND, 1937 [parkeri] Hungerford Slate, Vermont, USA; MENOMONIDAE; UCAM [j.s.s. of *Hysteropleura*, fide SHAW, 1966].
- Aphelespidella** RASETTI, 1965a [macropyge] Nolichucky Fm, Tennessee, USA; APHELESPIDIDAE; UCAM.

- Aphelaspis** RESSER, 1935 [*Conocephalites depressus* SHUMARD, 1861] Noliehueky Fm, Virginia, USA; APHELASPIDIDAE; UCAM.
- Apheloïdes** IVSHIN, 1962 [latemarginatus] Seltinsky Horizon, Kazakhstan; APHELASPIDIDAE; UCAM.
- Aphelotoxon** PALMER, 1965 [Bynumiella?] acuminata PALMER, 1960] Dunderberg Fm, Nevada, USA; PHYLLACTERIDAE; UCAM.
- Apianurus** WHITTINGTON, 1956a [barbatus] Edinburg Fm, Virginia, USA; ODONTOPLEURIDAE; UORD.
- Apiflabellum** SUN, 1993 [eucallum] Fengshan Fm, Hebei, China; REMOPLEURIDIDAE; UCAM.
- Aplexura** ROZOVA, 1963 [pulehella] Entsyisky Horizon, Siberia, Russia; LIOSTRACINIDAE; UCAM.
- Aplotaspis** HENDERSON, 1976 [Charchaquia erugata WHITEHOUSE, 1939] Georgina Lst, Queensland, Australia; CERATOPYGIDAE; UCAM [j.s.s. of Charchaquia, fide BAO & JAGO, 2000].
- Apocalymenc** CHATTERTON & CAMPBELL, 1980 [coppinsensis] Walker Volcs, Australian Capital Territory, Australia; CALYMENIDAE; LSIL.
- Apolichas** KOBAYASHI & HAMADA, 1974 [truncatus] Yokokura-yama, Shikoku, Japan; LICHIDAE; USIL [j.s.s. of Lichas, fide THOMAS & HOLLOWAY, 1988].
- Apollonaspis** PETRUNINA in REPINA et al., 1975 [lauta] Beshtorsk Fm, Turkestan-Alai Mns, Kazakhstan; CHEIRURIDAE; UORD.
- Apomodocia** HU, 1971 [conica] *Cedaria* Zone, Wasatch Mtns, Utah, USA; PARABOLINOIDIDAE; UCAM.
- Aponileus** HU, 1963 [latus] El Paso Fm, Texas; BATHYURIDAE; LORD [j.s.s. of Psephos-thenaspis, fide ADRAIN, herein].
- Apoplanias** LOCHMAN, 1964a [rejectus] Deadwood Fm, Montana, USA; OLENIDAE; UCAM.
- Aposolenopleura** RAYMOND, 1937 [dunbari] Gorge Fm, Vermont, USA; PAGODIIDAE; UCAM [j.s.s. of Ptyehopleurites, fide LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989].
- Appendicysta** HAHN, HAHN & YUAN, 1989 [alldapa] Zhe Gang, Guangxi; PROETIDAE; PENN.
- Aprathia** HAHN & BRAUKMANN, 1975a [Carbonocoryphe emanueli RICHTER & RICHTER, 1950] ?Bromberg Fm, Wuppertal, Rhenish Massif, Germany; PROETIDAE; MISS.
- Aracocephalus** REPINA in REPINA et al., 1964 [primus] Sanashtykgol Horizon, Kuznetsk Alatau, Russia; UNCERTAIN; LCAM.
- Aragotus** LINAN & GOZALO, 2001 [attaeanus] Daroca Fm, Zaragoza, Spain; CHENGKOUASPIDAE; LCAM.
- Araiocaris** PŘIBYL & VANĚK, 1980 [Ogygiocaris araiorhachis HARRINGTON & LEANZA, 1957] Parcha Fm, Salta, Argentina; ASAPHIDAE; LORD.
- Araioleura** HARRINGTON & LEANZA, 1957 [reticulata] Parcha Fm, Salta, Argentina; ALSAT-ASPIDIDAE; LORD.
- Arapahoia** B.M. MILLER, 1936a [typa] Depass Fm, Wyoming, USA; PLETHOPELTIDAE; UCAM.
- Arator** NIKOLAISEN, 1991 [Robergia marianna KROLEVA, 1965] Tselinograd Horizon, Kazakhstan; REMOPLEURIDIDAE; UORD.
- Arcadiaspis** BOGNIBOVA in CHERNYSHEVA, 1971 [arcuata] E Tannu-Ola, Russia; ALOKISTOCARIDAE; MCAM.
- Archacagnostus** KOBAYASHI, 1939a [primigenus] *Elliptocephala asaphoides* Faunule, New York, USA; PERONOPSIDAE; LCAM.
- Archaeaspis** REPINA in KHOMENTOVSKY & REPINA, 1965 [hupei] Atdaban Horizon, Siberia, Russia; ARCHAESPIDIDAE; LCAM.
- Archaeocoryphe** HAHN, HAHN & GAWLICK, 1995 [Diacoryphe incisa HAHN, HAHN & BRAUKMANN, 1989] Hangenberg Fm, Wuppertal, Rhenish Massif, Germany; PROETIDAE; MISS.
- Archaeopleura** RAMSKÖLD, 1991b [kazakhstanensis] *Lotagnostus irisectus* Zone, Kazakhstan; ODONTOPLEURIDAE; UCAM/LORD.
- Archaeops** HUPÉ, 1953a [lui] Chiungchussu Fm, Yunnan, China; REDLICHIIDAE; LCAM [j.s.s. of Eoredlichia, fide W. ZHANG et al., 1997].
- Archaeuloma** LI in YIN & LI, 1978 [Euloma (Archaeuloma) guizhouensis] Sandu Fm, Guizhou, China; EULOMIDAE; UCAM.
- Archegonus** BURMEISTER, 1843 [Calymene? aequalis MEYER, 1831] Posidonia Sh, Herborn, Rhenish Massif, Germany; PROETIDAE; MISS.
- Archikainella** LIU, 1982 [vomerinus] Qiangongping, Hunan, China; LICHAKEPHALIDAE; UCAM.
- Arcifimbria** RASETTI, 1963b [Aposolenopleura? brevifrons RASETTI, 1944] Levis Fm, Quebec, Canada; PAGODIIDAE; UCAM.
- Arctaspis** LERMONTOVA, 1940 [preocc., replaced by Paracrocephalites].
- Arcticalymene** ADRAIN & EDGEcombe, 1997 [vicious] Cape Phillips Fm, Nunavut, Canada; CALYMENIDAE; LSIL.
- Arcticeraurina** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Ceraurina arctica LUDVIGSEN, 1979] Esbataottine Fm, Northwest Territories, Canada; CHEIRURIDAE; UORD.
- Arcticormistonina** LIEBERMAN, 1994 [edgecombei] Prince of Wales Island, Nunavut, Canada; PROETIDAE; LDEV [j.s.s. of Pseudodechenella, fide ADRAIN, herein].
- Arctinoioides** PHLEGER, 1936 [Arctinurus chicagocensis WELLER, 1907] Racine Dol, Illinois, USA; LICHIDAE; LSIL [j.s.s. of Pseudo-tupolichas, fide THOMAS & HOLLOWAY, 1988].
- Arctinurus** CASTELNAU, 1843 [Paradoxus boltoni BIGSBY, 1825] Rochester Sh, New York, USA; LICHIDAE; LSIL [replacement name for Platynotus CONRAD, 1838].

- Arctipeltis** MAKSIMOVA, 1968 [Bronteus arcticus WEBER, 1945] Novaya Zemlya, N Siberia, Russia; STYGINIDAE; MDEV.
- Arcuolenellus** PALMER & REPINA, 1993 [Olenellus arcuatus PALMER in PALMER & HALLEY, 1979] Carrara Fm, California, USA; OLENELLIDAE; LCAM.
- Arcuolinbus** PALMER, 1955 [convexus] Riley Fm, Texas, USA; LLANOASPIDIDAE; UCAM.
- Arduennella** WENNDORF, 1990 [Homalonotus maillieuxi ASSELBERGHS, 1923] Hunsrückien, Quartzopyllades de Saint-Vith Sg₂b, Belgium; HOMALONOTIDAE; LDEV.
- Arduennops** STRUVE, 1972 [Phacops (Phacops) michelsi STRUVE, 1970] Wiltz Schichten, Luxemburg; PHACOPIIDAE; LDEV.
- Areia** BARRANDE, 1872 [bohémica] Králův Dvůr Fm, Czech Republic; CHEIRURIDAE; UORD.
- Areiaspis** PRIBYL & VANĚK, 1964 [Areia barrandei NOVAK in PERNER, 1918] Šárka Fm, Czech Republic; CHEIRURIDAE; MORD.
- Arellanella** LOCHMAN, 1948 [caborcana] Los Arroyos Fm, Sonora, Mexico; ALOKISTOCARIDAE; MCAM.
- Arethusa** BARRANDE, 1846a [preocc., replaced by Arethusina].
- Arethusina** BARRANDE, 1852 [replacement name for Arethusia] [j.o.s. of Aulacopleura].
- Argasalina** EGOROVA & SHABANOV, 1987 [confragosa] Toyonian Stage, Siberia, Russia; JAKUTIDAE; LCAM.
- Argentinops** PRIBYL & VANĚK, 1980 [Asaphopsis intermedia HARRINGTON & LEANZA, 1957] Suri Fm, La Rioja, Argentina; HUNGAIIDAE; MORD [j.s.s. of Hungioides, fide RABANO, 1983].
- Argentopyge** BALDIS, 1972 [argentina] Talacasto Fm, Jujuy, Argentina; DALMANITIDAE; LDEV.
- Arges** GOLDFUSS, 1839 [preocc., replaced by Ceratarges].
- Arglina** HAJRULLINA, 1973 [perrara] Mayaian, Turkestan Ranges, Uzbekistan; UNCERTAIN; MCAM.
- Argunaspis** REPINA, 1966 [argunica] Kameshkov Horizon, Tuva, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Ariaspis** WOLFART, 1974b [parteaucleata] Surkh Bum, Afghanistan; DAMESELLIDAE; UCAM.
- Arion** BARRANDE, 1846a [preocc., replaced by Agraulos].
- Arionellus** BARRANDE, 1852 [replacement name for Arionides] [j.o.s. of Agraulos].
- Arionides** BARRANDE, 1847 [replacement name for Arion] [j.o.s. of Agraulos].
- Aristarius** OPIK, 1979 [Triplagnostus (Aristarius) aristarius] Inca Fm, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM [j.s.s. of Ptychagnostus, fide PENG & ROBISON, 2000].
- Aristobeggia** LAMONT, 1978 [bargainiensis] Wether Law Linn Fm, Scotland; ENCRINURIDAE; LSIL [see NOTE 4].
- Aristoharpes** WHITTINGTON, 1950b [willsi] Tydraw Slates, Wales; HARPETIDAE; LSIL [j.s.s. of Selenoharpes (=Scotoharpes), fide WHITTINGTON, 1963].
- Aristokainella** ZHOU & ZHANG, 1978 [calvicepitis] Yehli Fm, Hebei, China; REMOPLEURIDAE; LORD [j.s.s. of Apatokephalops, fide PENG, 1990].
- Armagnostus** HOWELL, 1937 [megalaxis] St Albans Sh, Vermont, USA; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Armonia** WALCOTT, 1924b [pelops] Conasauga Fm, Alabama, USA; MARJUMIIDAE; MCAM [j.s.s. of Modocia, fide LOCHMAN-BALK & WILSON, 1958].
- Armorigreenops** LIEBERMAN & KLOC, 1997 [leoi] Berreras Fm, NE Spain; ACASTIDAE; MDEV.
- Arraphus** ANGELIN, 1854 [corniculatus] Olleberg, Sweden; HARPETIDAE; UORD.
- Arrhenaspis** QIAN, 1985a [latilimbatus] Tangcun Fm, Anhui, China; IDAHOIIDAE; UCAM [j.s.s. of Duibianaspis, fide HUGHES & RUSHTON, 1990].
- Arthricocephalites** QIAN & LIN in LU et al., 1974a [Arthricocephalus (Arthricocephalites) xinzhaiheensis] Balang Fm, Guizhou, China; ORYCTOCEPHALIDAE; LCAM [j.s.s. of Arthricocephalus, fide BLAKER & PEEL, 1997].
- Arthricocephalus** BERGERON, 1899 [chauveaui] Balang Fm, Guizhou, China; ORYCTOCEPHALIDAE; LCAM.
- Arthrorhachis** HAWLE & CORDA, 1847 [Battus tardus BARRANDE, 1846a] Králův Dvůr Fm, Czech Republic; METAGNOSTIDAE; UORD.
- Artokephalus** SIVOV & EGOROVA in EGOROVA et al., 1955 [minimus] Tolstochikhin Fm, Salair, Russia; REMOPLEURIDAE; UCAM.
- Asaphellina** MUNIER-CHALMAS & BERGERON in BERGERON, 1889 [barroisi] Saint Chinian, Montagne Noire, France; TAIHUNGSHANIIDAE; LORD.
- Asaphelloides** KOBAYASHI, 1937b [Megalaspis? americana HOEK in STEINMANN & HOEK, 1912] Kainella Sh, Cucsta de Erquis, Bolivia; ASAPHIDAE; LORD [j.s.s. of Asaphellus, fide FORTEY & OWENS, 1987].
- Asaphellus** CALLAWAY, 1877 [Asaphus (Isotelus?) homfrayi SALTER, 1866a] Tremadoc Series, Gwynedd, N Wales; ASAPHIDAE; LORD.
- Asaphiscus** MEEK, 1873 [wheeleri] Wheeler Fm, Utah, USA; ASAPHISCIDAE; MCAM.
- Asaphoon** HUTCHISON & INGHAM, 1967 [pithogastron] Shineton Sh Fm, England; ASAPHIDAE; LORD [j.s.s. of Asaphellus, fide FORTEY & OWENS, 1987].
- Asaphopsis** MANSUY, 1920 [jacobi] Dong-son, Vietnam; TAIHUNGSHANIIDAE; LORD.
- Asaphopoides** HUPÉ, 1955 [Dicelloccephalus? villebruni BERGERON, 1895] Schistes de Saint-Chinian, Montagne Noire; HUNGAIIDAE; LORD.

- Asaphus** BRONGNIART, 1822 [Entomotrachites expansus WAHLENBERG, 1821] Huk Fm, Sweden; ASAPHIDAE; LORD.
- Ascetopeltis** OWENS, 1973a [bockeliei] Husbergøya Fm, Asker, Norway; PROETIDAE; UORD.
- Ascionepea** ÖPIK, 1967 [janitrix] Steamboat Sst, Queensland, Australia; NEPEIDAE; MCAM.
- Asiagena** MAKSIMOVA, 1975 [karaeensis] Karaesinsk Fm, Kazakhstan; BRACHYMETOPIDAE; LDEV.
- Asiatella** REPINA in REPINA et al., 1964 [elegana] Aldanian. Kuznetsk Alatau, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Asilluchus** ÖPIK, 1963 [nanus] Pomegranate Lst, Queensland, Australia; OLENIDAE; UCAM.
- Asiocephalus** PALMER, 1968 [indigator] Hillard Lst, Alaska; CERATOPYGIDAE; UCAM.
- Asioptychaspis** KOBAYASHI, 1933a [Ptychaspis ceto WALCOTT, 1905] Changshan Fm, Shandong, China; PTYCHASPIDIDAE; UCAM [j.s.s. of Ptychaspis, fide W. ZHANG & JELL, 1987].
- Asperocare** POULSEN, 1958 [argentinum] Isidreana Fm, Argentina; DOLICHOMETOPIDAE; MCAM.
- Aspidaeglina** HOLUB, 1911 [miranda] Klabava Fm, Czech Republic; CYCLOPYGIDAE; MORD.
- Aspidagnostus** WHITEHOUSE, 1936 [parmatos] Georgina Lst, Queensland, Australia; CLAVAGNOSTIDAE; UCAM.
- Aspidochuangia** LU & QIAN, 1983a [cata] Changshan Fm, Liaoning, China; LEIOSTEGIIDAE; UCAM.
- Asteraspis** KOBAYASHI, 1935c [j.o.s. of Deiraccephalus].
- Asteromajia** NAN & ZAN, 1982c [duplicata] Dangshi Fm, Liaoning, China; CREPICEPHALIDAE; UCAM [j.s.s. of Temnoura, fide YUAN, ZHAO & GUO, 1999].
- Asteropyge** HAWLE & CORDA, 1847 [Calymene arachnoides GOLDFUSS in HOENINGHAUS, 1835] Eifel, Germany; ACASTIDAE; MDEV.
- Asthenaspis** SUVOROVA, 1959 [tenuis] Botomian, E Sayan, Russia; REDLICHINIDAE; LCAM.
- Asthenopsis** WHITEHOUSE, 1939 [levior] V Creek Lst, Queensland, Australia; PTYCHOPARIIDAE; MCAM.
- Astroproetus** BEGG, 1939 [Proetus (Asteropyge) reedi] Upper Drummock Group, Scotland; PROETIDAE; UORD.
- Asturiaspis** SDZUY, 1967 [inopinatus] E Asturia, Spain; ACROCEPHALITIDAE; MCAM.
- Astyages** ANGELIN, 1854 [preocc., replaced by Isocolus].
- Astycoryphe** RICHTER & RICHTER, 1919 [senckenbergiana] Alhrdorf Fm, Gees, Eifel. TROPIDOCORYPHIDAE; MDEV.
- Ataktaspis** LOCHMAN & DUNCAN, 1944 [modesta] Pilgrim Fm, Montana, USA; KINGSTONIIDAE; UCAM [j.s.s. of Komaspidella, fide WESTROP, 1992].
- Atdababella** REPINA in KHOMENOVSKY & REPINA, 1965 [plana] Botoman, Siberia, Russia; DORYPYGIDAE; LCAM.
- Athabaskia** RAYMOND, 1928 [ostheimeri] toe of Columbia Glacier, Alberta, Canada; DOLICHOMETOPIDAE; MCAM.
- Athabaskiella** KOBAYASHI, 1942f [Bathyuriscus (Poliella) probus WALCOTT, 1916b] Marjum Fm, Utah, USA; DOLICHOMETOPIDAE; MCAM.
- Atopasaphus** SHERGOLD, 1972 [petasatus] Gola Beds, Queensland, Australia; ASAPHIDAE; UCAM.
- Atopiaspis** GEYER, 1998 [tikasraynensis] High Atlas, Morocco; ?ALOKISTOCARIDAE; MCAM.
- Atopina** KOROBOV, 1966b [antiqua] Aldanian. Tuva, S Siberia, Russia; ATOPIDAE; LCAM.
- Atopophacops** ZHOU & CAMPBELL, 1990 [Toxophacops (Atopophacops) apiculata] Yikewusu Fm, Inner Mongolia, China; PHACOPIDAE; MDEV.
- Atops** EMMONS, 1844 [trilineatus] *Elliptocephala* Faunule, New York, USA; ATOPIDAE; LCAM.
- Atractocybeloides** KRUEGER, 1991 [berneri] Johvi Stage, glacial erratics, Mecklenburg, Germany; ENCRINURIDAE; UORD.
- Atractopyge** HAWLE & CORDA, 1847 [Calymene? verrucosa DALMAN, 1827] Crug Lst Fm, Dyfed, S Wales; ENCRINURIDAE; UORD.
- Atratebia** SHERGOLD, 1975 [nexosa] Chatsworth Lst, Queensland, Australia; REMOPLEURIDAE; UCAM.
- Atypicus** KOROBOV, 1989 [porrectus] Akbashinsky Fm, W Mongolia; DOLICHOMETOPIDAE; LCAM.
- Aulacodigma** ÖPIK, 1967 [quasispinale] Georgina Lst, Queensland, Australia; DICERATOCEPHALIDAE; MUCAM.
- Aulacodiscus** WESTERGÅRD, 1946 [preocc. replaced by Opsidiscus].
- Aulacoparia** HINTZE & JAANUSSON, 1956 [Asaphellus? venta HINTZE, 1953] Fillmore Fm, Utah, USA; ASAPHIDAE; LORD.
- Aulacoparina** HINTZE & JAANUSSON, 1956 [Asaphellus? quadrata HINTZE, 1953] Fillmore Fm, Utah, USA; ASAPHIDAE; LORD.
- Aulacopleura** HAWLE & CORDA, 1847 [Arethusa koninckii BARRANDE, 1846a] Liteň Fm, Czech Republic; AULACOPLEURIDAE; LSIL.
- Aulacopleurella** ALBERTI, 1981a [Aulacopleura (Aulacopleurella) mauretania] *Nowakia sulcata* Zone, SE Morocco; AULACOPLEURIDAE; MDEV [j.s.s. of Otaron, fide ADRAIN, herein].
- Aulacopleurina** PŘIBYL, 1949 [Arethusa peltata NOVAK, 1890] Acanthopyge Lst, Czech Republic; UNCERTAIN; MDEV.
- Aulacopleuroides** ZHU & ZHANG in ZHU et al., 1979 [Aulacopleura (Aulacopleuroides) mirus] Heiquangou, Qilian County, Qinghai, China; AULACOPLEURIDAE; UORD.

- Auricula** SUN, 1993 [Richardsonella lilia GUO & DUAN in GUO et al., 1982] Yehli Fm, Hebei, China; REMOPLEURIDIDAE; LORD.
- Auritama** ÖPIK, 1967 [aurita] Georgina Lst, Queensland, Australia; AURITAMIDAE; MUCAM.
- Austinvillia** RESSER, 1938b [virginica] Shady Fm, Virginia, USA; PTYCHOPARIIDAE; LCAM.
- Australaspis** PALMER & GATEHOUSE, 1972 [magnus] Mt Spann, Antarctica; SAUKIANDIDAE; LCAM.
- Australoacaste** BENEDETTO & MARTEL in BALDIS et al., 1976 [palpalensis] Lipeón Fm, Jujuy, Argentina; CALMONIIDAE; LSIL.
- Australoharpes** HARRINGTON & LEANZA, 1957 [depressus] Santa Rosita Fm, Salta, Argentina; HARPETIDAE; LORD [j.s.s. of Dubhglasina, fide EBACH & McNAMARA, 2002].
- Australokaskia** ENGEL & MORRIS, 1994 [corrugata] Ararat Fm, New South Wales, Australia; PROETIDAE; MISS.
- Australomytonia** BALDIS & BALDIS, 1995 [cabalerii] Las Aguaditas Fm, San Juan, Argentina; TRINUCLEIDAE; MORD.
- Australops** BALDIS, 1972 [australis] Jujuy, Argentina; CALMONIIDAE; LDEV.
- Australopyge** HARRINGTON & LEANZA, 1957 [acanthura] Mojotora Sh, Salta, Argentina; ASAPHIDAE; LORD.
- Australoscutellum** CHATTERTON & CAMPBELL, 1980 [Bronteus longispinifex MITCHELL, 1887] Black Bog Sh, New South Wales, Australia; STYGINIDAE; USIL.
- Australosutura** CAMPBELL & GOLDRING in AMOS et al., 1960 [Cordania gardneri MITCHELL, 1922] Tulcumba Sst, New South Wales, Australia; BRACHYMETOPIIDAE; MISS.
- Australurus** RAMSKOLD, 1986a [preocc., replaced by Pacificurus].
- Austrosinia** W. ZHANG & JELL, 1987 [Solenopleura chalcon WALCOTT, 1911] Changhia Fm, Liaoning, China; SOLENOPLEURIDAE; MCAM [j.s.s. of Changqingia, fide ZAN, 1992].
- Autolichas** REED, 1923 [Lichas affinis ANGELIN, 1854] Dalmanitina Beds, Sweden; LICHIDAE; UORD [j.s.s. of Lichas, fide WARBURG, 1939].
- Autoloxolichas** PHLEGER, 1936 [Lichas St. Mathiae SCHMIDT, 1885] Johvi Stage, Madise, Estonia; LICHIDAE; UORD.
- Avalanchurus** EDGECOMBE, RAMSKÖLD & CHATTERTON in EDGECOMBE & CHATTERTON, 1993 [Struzia (Avalanchurus) lemmonii] Delorme Group, Northwest Territories, Canada; ENCRINURIDAE; LSIL.
- Avalonia** WALCOTT, 1890a [manuelensis] Brigus Fm, Newfoundland, Canada; ??ATOPIDAE; LCAM.
- Avascutellum** ŠNAJDR, 1989 [Bronteus edwardsi BARRANDE, 1852] Kopanina Fm, Czech Republic; STYGINIDAE; USIL.
- Avonaspis** LOCHMAN, 1940 [missouriensis] Bonnetterre Dol, Missouri, USA; CATILLICEPHALIDAE; UCAM [j.s.s. of Wellcraspis, fide RASETTI in MOORE, 1959].
- Avonina** LOCHMAN, 1936 [bizarraria] Bonnetterre Dol, Missouri, USA; AVONINIDAE; UCAM.
- Awaria** EDGECOMBE & FORTEY, 2000 [struvei] El Camcen Fm, Bolivia; CALMONIIDAE; USIL.
- Axagnostus** LAURIE, 1990 [Aagnostus fallax LINNARSSON, 1869] Västergötland, Sweden; PERONOPSIDAE; MCAM [j.s.s. of Acadagnostus, fide SHERGOLD & LAURIE, 1997].
- Aytounella** LAMONT, 1978 [scotica] Wether Law Linn Fm, Scotland; INDET; LSIL.
- Azyptyx** HOLLOWAY, 1991 [toongabbiensis] Wurulum Fm, Victoria, Australia; CHEIRURIDAE; LDEV.
- Babakovia** SIVOV in EGOROVA et al., 1955 [dorypygaeiformis] Kuznetsk Alatau, S Siberia, Russia; DORYPYGIDAE; LCAM [j.s.s. of Kooteniella, fide SUVOROVA, 1964].
- Badainjarnaspis** LU, ZHOU & ZHOU, 1986 [latilimbatus] Ejin Qi, Inner Mongolia, China; POPYRIASPIDIDAE; UCAM.
- Babinops** FEIST & BECKER, 1997 [planiventer] Virgin Hills Fm, Western Australia; PHACOPIDAE; UDEV.
- Badulesia** SDZUY, 1967 [Liostracus granieri THORAL, 1935] *Paradoxides forchhammeri* Zone, Coulouma, France; SOLENOPLEURIDAE; MCAM.
- Bagongshania** LIN in QIU et al., 1983 [huainanensis] Hsuehuang Fm, Anhui, China; CREPICEPHALIDAE; MCAM.
- Bagradia** REPINA in REPINA et al., 1964 [granulata] Solontsov Horizon, Kuznetsk Alatau, Russia; ANTAGMIDAE; LCAM.
- Baikadamaspis** ERGALIEV, 1980 [proprius] Sakian, Kazakhstan; EULOMIDAE; UCAM.
- Baikonuraspis** ERGALIEV, 1983 [multisegmentatus] Karasuir Fm, Kazakhstan; OLENIDAE; LORD.
- Bailiaspis** RESSER, 1936 [Conocephalites elegans HARTT in DAWSON, 1868] Chamberlain's Brook Fm, New Brunswick, Canada; CONOCORYPHIDAE; MCAM.
- Bailiella** MATTHEW, 1885 [Conocephalites baileyi HARTT in DAWSON, 1868] Chamberlain's Brook Fm, New Brunswick, Canada; CONOCORYPHIDAE; MCAM.
- Bailielloides** KOBAYASHI & HAMADA, 1972 [inexpectans] Kroh, Malaysia; PROETIDAE; LMDEV.
- Bainella** RENNIE, 1930 [bokkeveldensis] Bokkeveld Group, South Africa; CALMONIIDAE; LDEV [j.s.s. of Anchiopella, fide COOPER, 1982].
- Bajanaspis** IVSHIN, 1979 [sevrugini] Edreisk Fm, Kazakhstan; PARADOXIDIDAE; LCAM.
- Bajangoliaspis** SIVOV in KHALFIN, 1960 [bajangolica] Bajangolsk Fm, E Sayan, S Siberia, Russia; PALAEOLENIDAE; LCAM.
- Balangeunaspis** YUAN & ZHAO in YUAN et al., 1997 [Paraantagmus (Balangeunaspis) subcyl-

- indrieus] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Balangia** QIAN, 1961 [balangensis] Balang Fm, Guizhou, China; ORYCTOCEPHALIDAE; LCAM.
- Balcoracania** POCKOCK, 1970 [dailyi] White Point Cgte, South Australia; EMUELLIDAE; LCAM.
- Balderia** ROBISON, 1988 [aspera] Holm Dal Fm, Greenland; MENOMONIIDAE; MCAM.
- Balizoma** HOLLOWAY, 1980 [Calymene variolaris BRONGNIART, 1822] Much Wenlock Lst Fm, England; ENCRINURIDAE; LSIL.
- Balnibarbi** FORTEY, 1974b [pulverea] Valhallfonna Fm, Spitsbergen; OLENIDAE; LORD.
- Baltagnostus** LOCHMAN in LOCHMAN & DUNCAN, 1944 [Proagnostus? centerensis RESSER, 1938b] Conasauga Fm, Alabama, USA; DIPLAGNOSTIDAE; MCAM.
- Baltiites** BALASHOVA, 1976 [Asaphus steinhardtii POMPECKII, 1890] Kunda Stage, Tallinn, Estonia; ASAPHIDAE; MORD.
- Baltobergstroemia** LIEBERMAN, 1999 [Holmia mobergi BERGSTRÖM, 1973] Norretorp Fm, Sweden; HOLMIIDAE; LCAM.
- Baltoparadoxides** ŠNAJDR, 1986 [Paradoxides oelandicus SJÖGREN, 1872] Öland, Sweden; PARADOXIDIDAE; MCAM.
- Bancroftolithus** BALDIS & BALDIS, 1995 [hughesi] Las Aguaditas Fm, San Juan, Argentina; TRINUCLEIDAE; UORD.
- Bandalaspis** IVSHIN, 1962 [serguni] Seletinsk Horizon, Kazakhstan; EUREKIIDAE; UCAM.
- Baniaspis** DESTOMBES, 1972 [globosa] Ktaoua Fm, Morocco; ACASTIDAE; UORD.
- Banilatites** DESTOMBES, 1972 [Eudolatites (Banilatites) inflatus] Tiouririne Fm, Morocco; DALMANITIDAE; UORD.
- Banqiaoitites** YIN in YIN & LI, 1978 [zunyiensis] Meitan Fm, Guizhou, China; ASAPHIDAE; LORD.
- Baojingia** YANG in ZHOU et al., 1977 [youshuiensis] Baojing Fm, Hunan, China; LISANIIDAE; MCAM [j.s.s. of Eoshengia, fide PENG et al., 2001b].
- Baoshanaspis** LUO, 1983 [conica] Liushui Fm, Yunnan, China; LEIOSTEGIIDAE; UCAM.
- Bapingaspis** YUAN, 1988 [bapingensis] Daihua Fm, Guangxi, China; PROETIDAE; UDEV.
- Barklyella** SHERGOLD, 1969 [expansa] Beetle Ck Fm, Queensland, Australia; ORYCTOCEPHALIDAE; MCAM.
- Barrandagnostus** IVSHIN in KHALFIN, 1960 [barrandei] Kulbich Horizon, Gorny Altay, S Siberia, Russia; GLYPTAGNOSTIDAE; MCAM. [j.s.s. of Glyptagnostus, fide SHERGOLD et al., 1990].
- Barrandocopeltis** PŘIBYL & VANĚK, 1984 [Cheirus gibbus var. interrupta BARRANDE, 1852] Koneprusy Lst, Czech Republic; CHEIRURIDAE; LDEV.
- Barrandia** McCOY, 1849 [Ogygia (Barrandia) cordai] Llandeilo Series, N Wales; NILEIDAE; MORD.
- Barrandia** HALL, 1860 [preocc., replaced by Olenellus].
- Bartoninus** TRIPP, 1962 [dispersus] Confinis Fm, Scotland; CHEIRURIDAE; MORD [j.s.s. of Ceraurinella, fide LANE, 1971].
- Basanellus** REPINA in KHALFIN, 1960 [latus] Bazaikhsk Horizon, Kuznetsk Alatau, S Siberia, Russia; DOLICHOMETOPIIDAE; LCAM.
- Bashania** QIU in QIU et al., 1983 [bashanensis] Hsuehchuang Fm, Anhui, China; PTYCHOPARIIDAE; MCAM.
- Basidechenella** RICHTER, 1912 [Dechenella kayseri R. RICHTER, 1909] Heisdorf Fm, Wetteldorf, Eifel, Germany; PROETIDAE; LDEV.
- Basiliooides** HARRINGTON, 1937 [taurus] Pareha Fm, Salta, Argentina; ASAPHIDAE; LORD [j.s.s. of Thysanopyge, fide HARRINGTON & LEANZA, 1957].
- Basiliooides** MA, 1938 [preocc., replaced by Dolerobasilicus].
- Basilicus** SALTER, 1849 [Asaphus tyrannus MURCHISON, 1839] Llandeilo Series, S Wales; ASAPHIDAE; MORD.
- Basiliella** KOBAYASHI, 1934a [Asaphus barrandei HALL, 1851] Platteville Group, Illinois, USA; ASAPHIDAE; UORD [j.s.s. of Basilicus, fide ZHOU & FORTEY, 1986].
- Basocephalus** IVSHIN, 1953 [nominalis] Boshehekul Fm, Kazakhstan; DORYPYGIDAE; MCAM.
- Batenooides** REPINA, 1960 [Iermontova] Lower Kizirsk Fm, SW Siberia, Russia; AGRAULIDAE; LCAM.
- Bathycheilus** HOLUB, 1908 [Dalmanites perplexus BARRANDE, 1872] Šárka Fm, Czech Republic; BATHYCHEILIDAE; MORD.
- Bathydiseus** RASETTI, 1966 [dolichometopus] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIDAE; LCAM.
- Bathyholeus** RASETTI, 1961 [gaspensis] Levis Fm, Quebec, Canada; PTYCHOPARIIDAE; UCAM.
- Bathynotellus** LERMONTOVA, 1940 [yermolaevi] *Paradoxides* Beds, Novaya Zemlya, Russia; CHENGKOUASPIDIDAE; MCAM.
- Bathynotus** HALL, 1860 [Peltura (Olenus) holopyga HALL, 1859a] Parker Slate, Vermont, USA; CHENGKOUASPIDIDAE; LCAM.
- Bathyoecos** SUNDBERG, 1994 [housensis] Wheeler Fm, Utah, USA; PTYCHOPARIIDAE; MCAM.
- Bathyurellus** BILLINGS, 1865 [abruptus] Catoche Fm, Newfoundland, Canada; BATHYURIDAE; LORD.
- Bathyurina** POULSEN, 1937 [megalops] Cape Weber Fm, E Greenland; BATHYURIDAE; LORD [j.s.s. of Jeffersonia, fide FORTEY, 1986].
- Bathyurisehellus** LERMONTOVA, 1951b [robustus] Kutorgina Fm, Siberia, Russia; JAKUTIDAE; LCAM.
- Bathyuriscidella** RASETTI, 1948 [socialis] Levis Fm, Quebec, Canada; DOLICHOMETOPIIDAE; MCAM.
- Bathyuriseops** LISOGOR in KELLER & LISOGOR, 1954 [Annamitella (?) granulata WEBER, 1948] Karakan Fm, Betpak-Dala, Kazakhstan; LEIO-

- STEGIIDAE; MORD [j.s.s. of Annamitella, fide WHITTINGTON, 1964].
- Bathyriseopsis** SUVOROVA, 1960 [ultima] Kutorgina Fm, Siberia, Russia; JAKUTIDAE; LCAM.
- Bathyriscus** MEEK, 1873 [Bathyrus? haydeni MEEK, 1873] Gallatin Lst, Montana, USA; DOLICHOMETOPIIDAE; MCAM.
- Bathyrurus** BILLINGS, 1859 [Asaphus? extans HALL, 1847] Lowville Fm, New York, USA; BATHYURIDAE; UORD.
- Batocara** STRUSZ, 1980 [Encrinurus bowningi FOERSTE, 1888] Black Bog Sh, New South Wales, Australia; ENCRINURIDAE; USIL.
- Battus** DALMAN, 1827 [j.o.s. of Agnostus].
- Batyraspis** APOLLONOV & CHUGAEVA, 1983 [inceptoris] *Euloma limitaris* Zone, Kazakhstan; HYSTRICURIDAE; LORD [j.s.s. of Taoyuania, fide LU & ZHOU, 1990].
- Bavarilla** BARRANDE, 1868 [Conocephalites (Bavarilla) hofensis] Lipoltice Beds, Czech Republic; BAVARILLIDAE; LORD.
- Bayfieldia** CLARK, 1924 [tumifrons] Levis Fm, Quebec, Canada; EUREKIIDAE; UCAM.
- Bedicella** HAHN & HAHN in HAHN, HAHN & RAMOVŠ, 1990 [cicatricosa] Sakmarian, Slovenia; PROETIDAE; LPERM.
- Beggaspis** PŘIBYL & VANĚK, 1981a ["Otarion" tenuis KIELAN, 1960] Holy Cross Mtns, Poland; AULACOPLEURIDAE; UORD.
- Beigongia** QIU in QIU et al., 1983 [bigranulata] Anhui, China; PTEROCEPHALIIDAE; UCAM.
- Beikuangaspis** Q.Z. ZHANG in QIU et al., 1983 [binoda] Changhia Fm, Anhui, China; CREPI-CEPHALIDAE; MCAM.
- Beishanella** XIANG & ZHANG, 1985 [Centropleura? beishanensis LIU & ZHANG, 1979] Shuangyingshan Fm, Gansu, China; CENTROPLEURIDAE; MCAM.
- Beldirella** POKROVSKAYA in KHALFIN, 1960 [pulchra] Tuva, Russia; ALOKISTOCARIDAE; LMCAM.
- Beleekella** HAHN, HAHN & BRAUCKMANN, 1992 [Phillibole? (Cystispina) nasifrons RICHTER & RICHTER, 1949] Erdbach Lst, Warstein, Sauerland, Rhenish Massif, Germany; PROETIDAE; MISS.
- Belenops** ELDREDGE & BRANIŠA, 1980 [Acastoides insolitus WOLFART, 1968] Belén Fm, Bolivia; CALMONIIDAE; LDEV.
- Belenopyge** PEK & VANĚK, 1991 [Lichas balliviani KOZŁOWSKI, 1923] Belén Fm, Bolivia; LICHIDAE; LDEV [j.s.s. of Lobopyge, fide EBACH & AHYONG, 2001].
- Belgibole** HAHN, 1963 [Cyrtosymbole (Belgibole) belgica] *Pericyclus*-Stufe, Kohlen Lst, Modave bei Huy, E Belgium; PROETIDAE; MISS.
- Bellacartwrightia** LIEBERMAN & KLOC, 1997 [jennyae] Ludlowville Fm, New York, USA; ACASTIDAE; MDEV.
- Bellaspidella** RASETTI, 1945c [resseri] Levis Fm, Quebec, Canada; DOKIMOCEPHALIDAE; UCAM.
- Bellaspis** RASETTI, 1945c [billingsi] Levis Fm, Quebec, Canada; DOKIMOCEPHALIDAE; UCAM.
- Bellefontia** ULRICH in WALCOTT, 1924b [Hemigraspis collieana RAYMOND, 1910b] Stonehenge Fm, Pennsylvania, USA; ASAPHIDAE; LORD.
- Belliceps** REPINA, 1966 [simplex] Bazaikh Horizon, Gorny Shoria, Russia; CHENGKOUASPIDIDAE; LCAM.
- Belovia** POLETAEVA in CHERNYSHEVA et al., 1956 [calva] River Olenek, N Siberia, Russia; LICHAKEPHALIDAE; MCAM.
- Beltella** LAKE, 1919 [Ellipsocephalus depressus SALTER, 1859] *Dictyonema flabelliforme* Zone, N Wales; OLENIDAE; LORD [j.s.s. of Leptoplastides, fide NIKOLAISEN & HENNINGS-MOEN, 1985].
- Bemaspis** FREDERICKSON, 1949 [gouldi] Honey Ck Fm, Oklahoma, USA; PARABOLINOIDIDAE; UCAM [j.s.s. of Taenicephalus, fide BELL & ELLINWOOD, 1962].
- Benedettia** TORO & MONDALI, 1981 [huaquensis] Quebrada de Huaco, San Juan, Argentina; PLIOMERIDAE; LORD.
- Benesovella** CHLUPÁČ, 1969 [strandi] Stinava-Chabíčov Fm, Horní Benesov, Moravia, Czech Republic; PROETIDAE; MDEV.
- Benthamaspis** POULSEN, 1946 [problematica] Nunatami Fm, Nunavut, Canada; BATHYURIDAE; LORD.
- Benxiaspis** GUO & AN, 1982 [benxiensis] Maochuang Fm, Liaoning, China; PTYCHOPARIIDAE; LMCAM [j.s.s. of Kunmingaspis, fide W. ZHANG et al., 1995].
- Benxiella** QIAN, 1994 [rotundolimbata] Changshan Fm, Liaoning, China; CHANGSHANIIDAE; UCAM.
- Beothuekia** LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989 [duomenta] Cow Head Gp, W Newfoundland, Canada; DOKIMOCEPHALIDAE; UCAM.
- Berabiehia** GEYER, 1990 [vertumnia] Lemdad Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Ptychoparopsis, fide GEYER, 1990].
- Bergamia** WHITTARD, 1955 [rhodesi] Shelve Fm, England; TRINUCLEIDAE; LORD.
- Bergeronia** MATTHEW, 1895 [j.o.s. of Protolenus].
- Bergeroniaspis** LERMONTOVA, 1951b [kutorginorum] Kutorgina Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Bergeroniellus** LERMONTOVA, 1940 [asiaticus] Kutorgina Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Bergeronites** SUN in GUO, 1965a [Drepanura ketteleri MONKE, 1903] Kushan Fm, Shandong, China; DAMESELLIDAE; MUCAM.

- Berkeia** RESSER, 1937b [Agraulus convexus var. B BERKEY, 1898] Ironton Fm, Minnesota, USA; DIKELOCEPHALIDAE; UCAM.
- Berkutaspis** LISOGOR, 1977b [elongata] Aktugaisk Fm, Kazakhstan; NILEIDAE; LORD.
- Bernia** FREDERICKSON, 1949 [obtusa] Honey Ck Fm, Oklahoma, USA; PARABOLINOIDIDAE; UCAM [j.s.s. of Parabolinoidea, fide BELL & ELLINWOOD, 1962].
- Bernicella** FREDERICKSON, 1949 [minuta] Honey Ck Fm, Oklahoma, USA; CHEILOCEPHALIDAE; UCAM [j.s.s. of Oligometopus, fide PALMER, 1965].
- Bessazon** CURTIS & LANE, 1998 [Dalmanites weaveri var. tenuimucronata WHITTARD, 1938] Hughley Sh Fm, England; DALMANITIDAE; LSIL.
- Bestjubella** IVSHIN, 1962 [munificus] Seletinsky Horizon, Kazakhstan; LICHAKEPHALIDAE; UCAM.
- Bettonia** WHITTARD, 1956 [preocc., replaced by Bettonolithus].
- Bettonolithus** MORRIS, 1988 [Bettonia frontalis WHITTARD, 1956] Llanvirn Series, England; TRINUCLEIDAE; MORD [replacement name for Bettonia].
- Bevanopsis** COOPER, 1953 [ulrichi] Edinburg Fm, Virginia, USA; ENCRINURIDAE; UORD.
- Biaverta** ÖPIK, 1967 [biaverta] O'Hara Sh, Queensland, Australia; MENOMONIIDAE; MUCAM.
- Bicaspis** RESSER, 1938b [typica] Sillery Fm, Quebec, Canada; DORYPYGIDAE; LCAM [j.s.s. of Protypus, RASETTI, 1948].
- Bicella** RASETTI, 1955 [Austinvillia bicensis RESSER, 1938c] Levis Fm, Quebec, Canada; ANTAGMIDAE; LCAM.
- Biceratops** PACK & GAYLE, 1971 [nevadensis] Pioche Sh, Nevada, USA; OLENELLIDAE; LCAM.
- Biciragnostus** F. ERGALIEV in ERGALIEV & ERGALIEV, 2001 [biformis] Zhumbaisk Fm, Kazakhstan; AGNOSTIDAE; UCAM.
- Bicornipyge** LISOGOR, 1961 [bicornis] Kandyktas, Kazakhstan; CERATOPYGIDAE; LORD [j.s.s. of Dichelcypyge, fide PENG, 1984].
- Bicyclopyge** HÖRBINGER & VANĚK, 1985 [Aeglina binodosa SALTER in MURCHISON, 1859] Hope Sh Fm, England; CYCLOPYGIDAE; MORD [j.s.s. of Pricyclopyge, fide FORTEY & OWENS, 1987].
- Bidjinella** REPINA in REPINA et al., 1964 [lubrica] Aldanian, Kuznetsk Alatau, Russia; CHENGKOUIIDAE; LCAM.
- Bienella** LOCHMAN in LOCHMAN & DUNCAN, 1944 [problematica] Pilgrim Fm, Montana, USA; PAGODIIDAE; UCAM.
- Bienvillia** CLARK, 1924 [Dikelocephalus? corax BILLINGS, 1865] Levis Fm, Quebec, Canada; OLENIDAE; LORD.
- Bifodina** ROBISON & PANTOJA-ALOR, 1968 [longifrons] Tinu Fm, Oaxaca, Mexico; UNCERTAIN; LORD.
- Bigotina** COBBOLD, 1935a [bivallata] Saint-Jean-de-la-Rivière Fm, W France; BIGOTINIDAE; LCAM.
- Bigotinella** SUVOROVA, 1960 [malykanica] Sinsk Horizon, Siberia, Russia; BIGOTINIDAE; LCAM.
- Bigotinops** HUPÉ, 1953a [dangeardi] Amouslek Fm, Morocco; BIGOTINIDAE; LCAM.
- Bigranulella** SHAW & CLARK in CLARK & SHAW, 1968 [latigenae] Gorge Fm, Vermont, USA; SOLENOPLEURIDAE; UCAM.
- Bijaspis** PETRUNINA, 1990 [krivtchikovi] Ishpinsk Fm, Gorny Altay, Russia; UNCERTAIN; LORD.
- Bijelina** M. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [studenikini] Gorny Altay, S. Siberia, Russia; SOLENOPLEURIDAE; MCAM.
- Bilacunaspis** PETRUNINA, 1973 [angusta] Kitatsk Fm, Kuznetsk Alatau, Russia; EULOMIDAE; LORD.
- Bilimbataia** YANG & LIU in YANG et al., 1991 [sichuanensis] Baguamiao Fm, Sichuan, China; ANTAGMIDAE; MCAM.
- Billevittia** EDGEcombe & RAMSKÖLD, 1996 [adraini] Whittaker Fm, Northwest Territories, Canada; ENCRINURIDAE; LSIL.
- Billingsaspis** RESSER, 1935 [Conocephalites vulcans BILLINGS, 1861a] Parker Slate, Vermont, USA; PTYCHOPARIIDAE; UCAM.
- Binella** SEMASHKO, 1969 [culta] Amgaian, SE Siberia, Russia; ALOKISTOCARIDAE; MCAM.
- Binervus** SUN, 1993 [latilimbus] Fengshan Fm, Hebei, China; REMOPLURIDIDAE; UCAM.
- Binodaspis** LERMONTOVA, 1951b [spinosa] Kutorgina Fm, Siberia, Russia; PTYCHOPARIIDAE; LCAM.
- Biolgina** MAKSIMOVA, 1955 [sibirica] Chun'sk Stage, Norilsk region, Siberian Platform, Russia; BATHYURIDAE; LORD [j.s.s. of Peltabellia, fide ZHOU & FORTEY, 1986].
- Biragnostus** POKROVSKAYA in KHALFIN, 1960 [elena] Gorny Altay, S Siberia, Russia; CLAVAGNOSTIDAE; UCAM [j.s.s. of Aspidagnostus, fide SHERGOLD et al., 1990].
- Birmanitella** KOBAYASHI, 1960a [Birmanites hupeiensis YI, 1957] Yangtze Gorge, Hubei, China; ASAPHIDAE; UORD.
- Birmanites** SHENG, 1934 [Ogygites birmanicus REED, 1915] Hwe Mawng Beds, Burma; ASAPHIDAE; LORD.
- Bitumulina** OSMÓLSKA, 1970 [Phillipsia bitumulata WEBER, 1932] Karak-bulak River region, Mugodzars, Russia; PROETIDAE; MISS.
- Blackwelderia** WALCOTT, 1906 [Calymmene? sinensis BERGERON, 1899] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.
- Blackwelderioides** HUPÉ, 1955 [Stephanocare monkei WALCOTT, 1911] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.

- Blainia** WALCOTT, 1916b [gregarius] Conasauga Fm, Alabama, USA; ASAPHISCIDAE; MCAM.
- Blainiopsis** POULSEN, 1946 [holtedahli] Cape Wood Fm, Greenland; ASAPHISCIDAE; MCAM.
- Blairiella** RASETTI, 1965b [crassimarginata] Pleasant Hills Fm, Pennsylvania; PTYCHOPARIIDAE; MCAM.
- Blandiaspis** QIAN in QIU et al., 1983 [anhuiensis] Yangliugang Fm, Anhui, China; TSINANIIDAE; MCAM.
- Blandicephalus** PALMER, 1955 [texanus] Riley Fm, Texas, USA; DIKELOCEPHALIDAE; UCAM.
- Blanodalmanites** KOBAYASHI & HAMADA, 1972 [nubelania] Kroh, Malaysia; DALMANITIDAE; LMDEV.
- Blayacina** COBBOLD, 1931b [miqueli] Gres de Marcory, SW France; ELLIPSOCEPHALIDAE; LCAM.
- Blodgettia** HAHN & HAHN, 1992 [kalais] Peratrovich Fm, Alaska, USA; PROETIDAE; MISS.
- Blosyropsis** WHITTINGTON, 1965a [billingsi] Table Cove Fm, Newfoundland, Canada; REMOPLLEURIDIDAE; MORD.
- Blountia** WALCOTT, 1916b [mimula] Maryville Fm, Tennessee, USA; KINGSTONIIDAE; MCAM.
- Blountiana** [misspelling of Blountina in SHAW, 1952].
- Blountiella** RESSER, 1938b [Blountia? alemon WALCOTT, 1916b] Nolichucky Fm, Tennessee, USA; ASAPHISCIDAE; UCAM.
- Blountina** LOCHMAN in LOCHMAN & DUNCAN, 1944 [cleanora] Pilgrim Fm, Montana, USA; ASAPHISCIDAE; UCAM.
- Blystagnostus** ÖPIK, 1961 [laciniatus] Roaring Siltstone, Queensland, Australia; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Bodenbenderia** HARRINGTON & LEANZA, 1957 [longifrons] Yavi Fm, Jujuy, Argentina; LEIOSTEGIIDAE; LORD [j.s.s. of Brackebuschia, fide ADRAIN, herein].
- Boeckaspis** HENNINGSMOEN, 1955 [Boeckia hirsuta BRÖGGER, 1882] Tremadoc Series, Naersnes, Norway; OLENIDAE; LORD [replacement name for Boeckia; possibly j.s.s. of Sphaerophthalmella, fide HENNINGSMOEN, 1957 & R.A. FORTEY, pers. comm.].
- Boeckia** BRÖGGER, 1882 [preocc., replaced by Boeckaspis].
- Boeckia** PILLET, 1965a [preocc., replaced by Pilletopeltis].
- Boeckops** CHLUPÁČ, 1972 [Phacops boeckii HAWLE & CORDA, 1847] Dvorce-Prokop Lst, Czech Republic; PHACOPIIDAE; LDEV.
- Boedaspis** WHITTINGTON & BOHLIN, 1958 [ensifer] Holen Fm, Öland, Sweden; ODONTOPLEURIDAE; MORD.
- Boestrupia** RUDOLPH, 1997 [Acrocephalites? rarus WESTERGÅRD, 1922] Alum Sh. Västergötland, Sweden; PARABOLINOIDIDAE; UCAM.
- Bohemaspis** HÖRBINGER, 1986 [hanusi] Dobrotivá Fm, Czech Republic; TRINUCLEIDAE; MORD [j.s.s. of Bergamia, fide SHAW, 1995].
- Bohemilla** BARRANDE, 1872 [stupenda] Dobrotivá Fm, Czech Republic; BOHEMILLIDAE; MORD.
- Bohemiproetus** PILLET, 1969a [Proetus bohemicus HAWLE & CORDA, 1847] Koneprusy Lst, Czech Republic; PROETIDAE; LDEV.
- Bohemoharpes** VANĚK, 1963 [Harpes naumanni BARRANDE, 1852] Liteň Fm, Czech Republic; HARPETIDAE; LSIL.
- Bohemolichas** PŘIBYL & VANĚK, 1972 [Lichas incola BARRANDE, 1872] Šárka Fm, Czech Republic; LICHIDAE; MORD [j.s.s. of Uralichas, fide THOMAS & HOLLOWAY, 1988].
- Bohemopyge** 1950 [Ogygia discreta BARRANDE, 1872] Šárka Fm, Czech Republic; ASAPHIDAE; MORD.
- Bojocoryphe** ŠNAJDR, 1976a [splendens] Dvorce-Prokop Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Bojokoralaspis** ŠNAJDR, 1984b [Primaspis (Bojokoralaspis) koral] Zahofany Fm, Czech Republic; ODONTOPLEURIDAE; UORD [j.s.s. of Eoleonaspis, fide RAMSKÖLD & CHATERTON, 1991].
- Bojoscutellum** ŠNAJDR, 1958c [Bronteus palifer BEYRICH, 1845] Koneprusy Lst, Czech Republic; STYGINIDAE; LDEV.
- Bolaspidaspis** ROZOVA, 1964 [puta] Saamsk Horizon, NW Siberia, Russia; BOLASPIDIDAE; MCAM.
- Bolaspidella** RESSER, 1937b [Ptychoparia housensis WALCOTT, 1886] Wheeler Sh, Utah, USA; MENOMONIIDAE; MCAM.
- Bolaspidellus** LAZARENKO in LAZARENKO & NIKIFOROV, 1968 [modestus] Kulyumbina Fm, NW Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Bolaspidina** LERMONTOVA in KRYSKOV et al., 1960 [insignis] Mayaivan, Olenek River, Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Bolaspis** RESSER, 1935 [Alokistocare? labrosus WALCOTT, 1916a] Wolsey Sh, Montana, USA; BOLASPIDIDAE; MCAM.
- Bolbocephalus** WHITFIELD, 1890 [Bathyurus? scelyi WHITFIELD, 1886] Fort Cassin Fm, Vermont, USA; BATHYURIDAE; LORD.
- Bolbochasmops** McNAMARA, 1980 [Phacops (Chasmops) bucculenta var. emarginata SCHMIDT, 1881] Idavre-Keila Stages, Estonia; PTERYGOMETOPIIDAE; MORD.
- Bolbolenellus** PALMER & REPINA, 1993 [Olenellus euryparia PALMER in PALMER & HALLEY, 1979] Carrara Fm, California, USA; OLENELLIDAE; LCAM.
- Bolboparia** RASETTI, 1966 [superba] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIIDAE; LCAM.
- Bolivianaspis** BRANIŠA & VANĚK, 1973 [scutator] Gamoneda Fm, Bolivia; CALMONIIDAE; LDEV [j.s.s. of Tarijactinoides, fide ELDREDGE & BRANIŠA, 1980].

- Bolivierania** KOBAYASHI & HAMADA, 1986b [Paladin yampupatensis ARELLANO, 1983] Copacabana Gp, Bolivia; PROETIDAE; PERM.
- Boliviproctus** ELDREDGE & ORMISTON, 1979 [branisai] Belén Fm, Bolivia; PROETIDAE; MDEV.
- Bollandia** REED, 1943a [Asaphus globiceps PHILLIPS, 1836] Carboniferous Lst, Kildare, Ireland; PROETIDAE; MISS.
- Bondarevites** LAZARENKO, 1989 [venustus] Novaya Zemlya; OLENIDAE; UCAM.
- Bondonella** HUPÉ, 1953a [typica] Issafen Fm, Morocco; NELTNERIIDAE; LCAM.
- Bonnaria** LOCHMAN, 1956b [Bonnia salemensis RESSER, 1936] *Elliptocephala* Faunule, New York, USA; DORYPYGIDAE; LCAM.
- Bonnaspidella** YUAN, 1988 [Cyrtosymbole (Macrobale) oriens CHLUPÁČ 1961] Moravia, Czech Republic; PROETIDAE; UDEV.
- Bonnaspis** RESSER, 1936 [Karlia stephensis WALCOTT, 1888] Stephen Fm, British Columbia, Canada; CORYNEXOCHIDAE; MCAM.
- Bonneterrina** LOCHMAN, 1936 [prima] Bonneterre Dol, Missouri, USA; CEDARIIDAE; UCAM.
- Bonnia** WALCOTT, 1916b [Bathyrurus parvulus BILLINGS, 1861a] Forteau Fm, Labrador, Canada; DORYPYGIDAE; LCAM.
- Bonniella** RESSER, 1937b [Olenoides (Dorypyge) desiderata WALCOTT, 1890b] Winooski Fm, Vermont, USA; DORYPYGIDAE; LCAM.
- Bonnina** FRITZ, 1991 [semidiscoidea] Illyd Fm, Yukon Territory, Canada; DORYPYGIDAE; LCAM.
- Bonnioides** SUVOROVA, 1964 [festivus] Atdaban Horizon, Siberia, Russia; DORYPYGIDAE; LCAM.
- Bonniopsis** POULSEN, 1946 [nasuta] *Bonniopsis* Horizon, Ellesmere Island, Nunavut, Canada; DORYPYGIDAE; LCAM.
- Borealarges** ADRAIN, 1994 [reedii] Cape Phillips Fm, Nunavut, Canada; LICHIDAE; LSIL.
- Borealaspis** LUDVIGSEN, 1976 [whittakerensis] Whittaker Fm, Northwest Territories, Canada; CHEIRURIDAE; UORD.
- Borealia** MAKSIMOVA, 1977a [lacvis] *F. rugularissimus* Zone, Novaya Zemlya, Arctic Russia; PROETIDAE; MDEV.
- Boreoscutellum** PŘIBYL & VANĚK, 1971b [Scabriscutellum boreum MAKSIMOVA, 1960] Taimyr, Arctic Russia; STYGINIDAE; LDEV.
- Borkopleura** ŠNAJDR, 1984a [gorella] Liteň Fm, Czech Republic; ODONTOPLEURIDAE; LSIL.
- Bornemannaspis** RASETTI, 1972 [Olenellus solitarius BORNEMANN, 1891] Nebida Fm, Sardinia, Italy; GIGANTOPYGIDAE; LCAM.
- Bornemannia** WALCOTT in VOGDES, 1925 [Bathyriscus (Poliella) prima WALCOTT, 1916b] Mount Whyte Fm, British Columbia, Canada; DOLICHOMETOPIDAE; MCAM [j.s.s. of Poliella, fide RESSER, 1935].
- Bornholmaspis** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Pseudosphaerexochus (Pateraspis) inflatus POULSEN, 1965] Skelbro Lst Fm, Bornholm, Denmark; CHEIRURIDAE; LORD.
- Borogothus** TJERNVIK, 1956 [Megalaspis stenorachis ANGELIN, 1851] Björkåsholmen Fm, Västergötland, Sweden; ASAPHIDAE; LORD.
- Borovikovia** KRASKOV, 1977 [juvenilis] Zhaisan Fm, S Kazakhstan; DOLICHOMETOPIDAE; UCAM.
- Borthaspidella** RASETTI, 1954 [gaspensis] Cap des Rosieres, Gaspé, Quebec, Canada; NILEIDAE; LORD.
- Borthaspis** STUBBLEFIELD, 1951b [j.o.s. of Psiloecephalinella].
- Boschekulia** LERMONTOVA, 1951a [lata] Boshche-Kulya, NE Kazakhstan; CERATOPYGIDAE; UCAM.
- Botomella** SUVOROVA, 1958 [ekaterinae] Pestrotsvet Fm, Siberia, Russia; DINESIDAE; LCAM.
- Botrioides** STETSON, 1927 [Trinucleus coscinorinus ANGELIN, 1854] Källeröd Fm, Sweden; TRINUCLEIDAE; MORD.
- Bouleia** KOZŁOWSKI, 1923 [Phacops daginecourtii A. ULRICH, 1892] Iela Fm, Padilla, Bolivia; CALMONIIDAE; LDEV.
- Bounyongia** ETHERIDGE & MITCHELL, 1917 [bowningensis] Black Bog Sh, New South Wales, Australia; ODONTOPLEURIDAE; USIL [j.s.s. of Ceratocephala, fide PRANTL & PŘIBYL, 1949a].
- Bowmania** WALCOTT, 1925 [Arethusina americana WALCOTT, 1884a] Windfall Fm, Nevada, USA; HARPETIDAE; UCAM.
- Brabbia** PALMER, 1968 [pustulomarginata] Hillard Lst, Alaska; IDAHOIIDAE; UCAM.
- Brachyampyx** FORBES, 1849 [j.o.s. of Ampyx].
- Brachyaspidion** MILLER, 1936b [Brachyaspis rhynchina MILLER, 1936a] Gros Ventre Fm, Wyoming, USA; KINGSTONIIDAE; UCAM [replacement name for Brachyaspis MILLER].
- Brachyaspis** SALTER, 1866a [Isotelus rectifrons PORTLOCK, 1843] Killey Bridge Fm, N Ireland; ASAPHIDAE; UORD.
- Brachyaspis** MILLER, 1936a [preocc., replaced by Brachyaspidion].
- Brachyhipposiderus** JELL, 1985 [logimus] Digger Island Fm, Victoria, Australia; HARPETIDAE; LORD.
- Brachymetopella** KOBAYASHI & HAMADA, 1978c [Brachymetopus (Brachymetopella) akiyoshiensis] Akiyoshi Lst, Japan; BRACHYMETOPIDAE; PENN.
- Brachymetopina** REED, 1903 [j.o.s. of Brachymetopus].
- Brachymetopus** McCOY, 1847 [Phillipsia maccoyi PORTLOCK, 1843] Courceyan or Chadian, Kildare, Ireland; BRACHYMETOPIDAE; MISS.
- Brachypleura** ANGELIN, 1854 [6-lineatus] Kinnekulle, Sweden; REMOPLEURIDIDAE; UORD

- [j.s.s. of *Amphitryon*, fide WHITTINGTON in MOORE, 1959].
- Brackebuschia** HARRINGTON & LEANZA, 1957 [acheila] Santa Rosita Fm, Salta, Argentina; LEIOSTEGIIDAE; LORD.
- Bradocryphaeus** HAAS & MENSINK, 1970 [Cryphaeus supradevonicus FRECH, 1888] Oos Fm, Eifel, Belgium; ACASTIDAE; UDEV.
- Bradyfallotaspis** FRITZ, 1972 [fusa] Sekwi Fm, North West Territories, Canada; ARCHAEASPIDIDAE; LCAM.
- Braintreella** WHEELER, 1942 [Ptychoparia rogersi WALCOTT, 1884b] Braintree Fm, Massachusetts, USA; SOLENOPLURIDAE; MCAM.
- Brandysops** HÖRBINGER, 1986 [agricola] Dobrotivá Fm, Czech Republic; TRINUCLEIDAE; MORD [j.s.s. of *Bergamia*, fide SHAW, 1995].
- Branisaspis** PŘIBYL & VANĚK, 1980 [speciosa] *Branisaspis speciosa-Incaia iucunda* Biozone, Bolivia; ASAPHIDAE; LORD.
- Branisella** PŘIBYL & VANĚK, 1981a [preocc., not replaced; j.s.s. of *Maurotarion*, fide ADRAIN & EDGEcombe, 1996].
- Brassiccephalus** LOCHMAN, 1940 [pulchellus] Bonnetterre Dol, Missouri, USA; PLETHOPELTIDAE; UCAM [j.s.s. of *Exigua*, fide ROBISON, 1988].
- Braunops** LIEBERMAN & KLOC, 1997 [Kayserops obsoletus GANDL, 1972] Mariposas Fm, NE Spain; ACASTIDAE; LDEV.
- Breizhops** MORZADEC, 1983 [lanceolatus] Fret Fm, Brittany, France; ACASTIDAE; LDEV.
- Breviagnostus** LIU, 1982 [brachyaxonus] Huaqiao Fm, Hunan, China; PERONOPSIDAE; MCAM [j.s.s. of *Hypagnostus*, fide SHERGOLD et al. 1990].
- Brevibole** ARCHINAL, 1991 [Cyrtosymbole (Macrobale) brevispina OSMÓLSKA, 1962] *Pericyclus* Zone, Holy Cross Mts, Poland; PROETIDAE; MISS.
- Brevidiscus** KOBAYASHI, 1943a [lunulatus] Protolenus Lst, England; CALODISCIDAE; LCAM [j.s.s. of *Calodiscus*, fide JELL, 1997].
- Breviphillipsia** HESSLER, 1963 [Phillipsia sampsoni VOGDES, 1888] Choteau Lst, Missouri, USA; PROETIDAE; MISS.
- Breviredlichia** W. ZHANG & LIN in YIN & LI, 1978 [granulosa] Chintingshan Fm, Guizhou, China; REDLICHIIDAE; LCAM.
- Breviscutellum** ŠNAJDR, 1960 [Bronteus transversus HAWLE & CORDA, 1847] Koneprusy Lst, Czech Republic; STYGINIDAE; LDEV.
- Brevitermierella** HUPÉ, 1953a [brevifrons] Issafen Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Briana** EDGEcombe, 1994 [preocc., replaced by *Brianurus*].
- Brianurus** EDGEcombe & FORTEY, 1995 [Briana jeffersoni EDGEcombe, 1994] Whittaker Fm, Northwest Territories, Canada; ENCRINURIDAE; LSIL [replacement name for *Briana*].
- Bridgeia** LOCHMAN in LOCHMAN & DUNCAN, 1944 [mirabila] Pilgrim Fm, Montana, USA; MENOMONIIDAE; UCAM.
- Briscoia** WALCOTT, 1924a [sinclairensis] McKay Gp, British Columbia, Canada; DIKELOCEPHALIDAE; UCAM.
- Bristolia** HARRINGTON, 1956 [Mesonacis bristolensis RESSER, 1928] Mohave Desert, California, USA; OLENELLIDAE; LCAM.
- Broeggeria** BANCROFT, 1933 [preocc., replaced by *Broeggerolithus*].
- Broeggerolithus** LAMONT, 1935 [Cryptolithus broeggeri BANCROFT, 1929] Glenburrell Fm, England; TRINUCLEIDAE; UORD [replacement name for *Broeggeria*].
- Bromella** PALMER, 1965 [veritas] Dunderberg Fm, Nevada, USA; PTEROCEPHALIIDAE; UCAM.
- Brongniartella** REED, 1918 [Homalonotus bisulcatus McCOY in SEDGWICK & McCOY, 1851] Alternata Lst Fm, England; HOMALONOTIDAE; UORD.
- Brongniartia** EATON, 1832 [carcinodea] Utica Sh, New York, USA; OLENIDAE; UORD [s. o. s. of, but suppressed in favour of *Triarthrus*].
- Brongniartia** SALTER, 1865 [preocc., replaced by *Eohomalonotus*].
- Brontopsis** ETHERIDGE & NICHOLSON in NICHOLSON & ETHERIDGE, 1879 [scotica] Balclatchie Fm, Scotland; STYGINIDAE; UORD.
- Brontes** GOLDFUSS, 1839 [preocc., replaced by *Bronteus* and by *Goldius*].
- Bronteus** GOLDFUSS, 1843 [Brontes flabellifer GOLDFUSS, 1839] Junkerberg Fm, Eifel district, Germany; SCUTELLUIDAE; MDEV [j.o.s. of *Goldius*] [j.s.s. of *Scutellum*, fide RICHTER & RICHTER, 1926].
- Brontocephalina** CHUGAEVA, 1975 [marginatula] Mirnomyi Brook, Omulevskikh Mt, NE Russia; STYGINIDAE; UORD.
- Brontocephalus** KOLOBOVA, 1977 [argutus] Chingiz Mts, Kazakhstan; STYGINIDAE; UORD.
- Brunswickia** HOWELL, 1937 [Conocephalites robbi HARTT in DAWSON, 1868] New Brunswick, Canada; PTYCHOPARIIDAE; MCAM.
- Brutaspis** IVSHIN, 1962 [tuberosa] Seletinsk Horizon, Kazakhstan; ACROCEPHALITIDAE; UCAM.
- Brutonaspis** PEK & VANĚK, 1991 [bifida] Uncia-Kirusillas Fm, Bolivia; ODONTOPLURIDAE; USIL.
- Brutonia** THOMAS & HOLLOWAY, 1988 [Acidaspides borealis CHERNYSHEVA, 1960b] Olenek River, N Siberia, Russia; LICHAKEPHALIDAE; UCAM.
- Bruxaspis** LAMONT, 1978 [dealgach] Wether Law Linn Fm, Scotland; ODONTOPLURIDAE; LSIL [j.s.s. of *Anacaenaspis*, fide CLARKSON & HOWELLS, 1981].
- Bubupeltina** ŠNAJDR, 1991 [Weberopeltis matutina VANĚK, 1968] Suchomasty Lst, Czech Republic; STYGINIDAE; MDEV.

- Buchiproetus** PILLET, 1969a [*Proetus buchii* HAWLE & CORDA, 1847] Suchomasty Lst, Czech Republic; TROPIDOCORYPHIDAE; MDEV.
- Bucksella** HOWELL, 1957 [*brevis*] Conococheague Fm, Pennsylvania, USA; LONCHOCEPHALIDAE; UCAM [j.s.s. of *Lonchocephalus*, fide PRATT, 1992].
- Buenaspis** BUDD, 1999 [*forteyi*] Buen Fm, N Greenland; NEKTASPIDA; LCAM.
- Buenellus** BLAKER, 1988 [*higginsii*] Buen Fm, N Greenland; NEVADIIDAE; LCAM.
- Bufoceraurus** HESSIN, 1989 [*Ceraurus bispinosus* RAYMOND & BARTON, 1913] Bobcaygeon Fm, Quebec, Canada; CHEIRURIDAE; UORD.
- Buitella** LAZARENKO in ROZOVA, 1964 [*buitensis*] *Lejopyge armata* – *Maiaspis mirabilis* Zone, N Siberia, Russia; CONOKEPHALINIDAE; MCAM.
- Bulaiaspis** LERMONTOVA in CHERNYSHEVA et al., 1956 [*vologdini*] Tolbachaisk Horizon, Siberia, Russia; BIGOTINIDAE; LCAM.
- Bulbaspis** CHUGAEVA, 1958 [*Ampyx bulbifer* WEBER, 1932] Djebagly horizon. Djebagly Range, S Kazakhstan; RAPHIOPHORIDAE; UORD.
- Bulbolenus** XIANG & ZHANG, 1985 [*bellus*] Guozigou Fm, Xinjiang, China; OLENIDAE; UCAM.
- Bulkuraspis** REPINA in REPINA et al., 1974 [*ulakhanica*] Sektensk Fm, Siberia, Russia; PTYCHOPARIIDAE; LCAM.
- Bullicephalus** PŘIBYL & VANĚK, 1971a [*Phacops bulliceps* BARRANDE, 1846a] Kopanina Fm, Czech Republic; PHACOPIIDAE; USIL [j.s.s. of *Eophacops*, fide CHLUPÁČ, 1971b].
- Bumastella** KOBAYASHI & HAMADA, 1974 [*Bumastus* (*Bumastella*) *spiculus*] Shikoku, Japan; STYGINIDAE; LUSIL.
- Bumastides** WEBER, 1948 [*bedpakensis*] Karakan Fm. Betpak-Dala, Kazakhstan; NILEIDAE; MORD.
- Bumastoides** WHITTINGTON, 1954 [*Iliaenus milleri* BILLINGS, 1859] Trenton Group, Ontario, Canada; ILLAENIDAE; UORD.
- Bumastus** MURCHISON, 1839 [*barriensis*] Coalbrookdale Fm, England; STYGINIDAE; LSIL.
- Burgesina** FEIST & TALENT, 2000b [*mawsonae*] Broken River Group, Queensland, Australia; PROETIDAE; MDEV.
- Burlingia** WALCOTT, 1908 [*hectori*] Stephen Fm, British Columbia, Canada; BURLINGIIDAE; MCAM.
- Burmeisterella** REED, 1918 [*Homalonotus* (*Burmeisteria*) *elongatus* SALTER, 1865] Meadsfoot Beds, Devon; HOMALONOTIDAE; LDEV.
- Burmeisteria** SALTER, 1865 [*Homalonotus herschellii* MURCHISON, 1839] Bokkeveld Group, South Africa; HOMALONOTIDAE; LDEV.
- Burminresia** LAURIE in LAURIE & SHERGOLD, 1996 [*tertia*] Emanuel Fm, Western Australia; ASAPHIDAE; LORD.
- Burnetia** WALCOTT, 1924b [preocc. replaced by *Burnetiella*].
- Burnetiella** LOCHMAN, 1958 [*Ptychoparia?* *urania* WALCOTT, 1890c] Cap Mountain Fm, Texas, USA; DOKIMOCEPHALIDAE; UCAM [replacement name for *Burnetia*].
- Burtonops** STRUVE, 1990 [*Phacops cristatus* HALL, 1861a] Onondaga Fm, New York, USA; PHACOPIIDAE; LDEV.
- Buttsia** WILSON, 1951 [*drabensis*] Gatesburg Fm, Pennsylvania, USA; CATILLICEPHALIDAE; UCAM.
- Buttsiella** M. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [*ramosa*] Gorny Altay, S Siberia, Russia; CATILLICEPHALIDAE; UCAM.
- Buttsina** ROZOVA, 1968 [*ignota*] Madui Horizon, NW Siberia, Russia; KINGSTONIIDAE; UCAM [j.s.s. of *Komaspidella*, fide GOGIN & PEGEL, 1987].
- Butyrinia** PETRUNINA, 1990 [*Kaufmannella* (*Butyrinia*) *grandis*] Tolstochikhinsk Fm, Dobrii Horizon, Salair, Russia; EULOMIDAE; UCAM.
- Bynumia** WALCOTT, 1924b [*eumus*] Sullivan Fm, Alberta, Canada; KINGSTONIIDAE; UCAM.
- Bynumiella** RESSER, 1942b [*typicalis*] Lyell Fm, Alberta, Canada; KINGSTONIIDAE; UCAM [j.s.s. of *Clelandia*, fide PALMER, 1965].
- Bynumina** RESSER, 1942b [*caclata*] Davis Fm, Missouri, USA; KINGSTONIIDAE; UCAM.
- Bythicheilus** RESSER, 1939a [*typicum*] Spence Sh, Idaho, USA; ALOKISTOCARIDAE; MCAM.
- Caborcella** LOCHMAN, 1948 [*arrojosensis*] Los Arroyos Fm, Sonora, Mexico; PTYCHOPARIIDAE; MCAM.
- Caganaspis** KOLOBOVA, 1985 [*unica*] Tselinogradsk Horizon, Kazakhstan; RAPHIOPHORIDAE; MORD.
- Cainatops** MATTHEW, 1899b [*Conocoryphe pustulosa* MATTHEW, 1897a] Hastings Cove Fm, New Brunswick, Canada; CONOCORYPHIDAE; MCAM.
- Calagnostus** J. ZHANG & WANG, 1985 [*magezhuangensis*] Changshan Fm, Hebei, China; DIPLAGNOSTIDAE; UCAM [j.s.s. of *Pseudorhaptagnostus*, fide NIELSEN, 1997].
- Calchaquiana** RUSCONI, 1956 [*curvata*] Mendoza, Argentina; INDET; ORD.
- Calculites** FORTEY, 1983 [*Acheilus microps* RASETTI, 1944] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; LORD [j.s.s. of *Theodenisia*, fide LUDVIGSEN, 1986].
- Calipernurus** WHITTINGTON, 1956a [*insolitus*] Edinburg Fm, Virginia, USA; ODONTOPLEURIDAE; UORD.
- Callaspis** Q.Z. ZHANG in QIU et al., 1983 [*rarus*] Changshan Fm, Jiangsu, China; ANOMOCARIDAE; UCAM.
- Callavalonia** LIEBERMAN, 2001 [*Olenellus* (*Cephalacanthus*) *callavei* LAPWORTH, 1891] Comley Lst Fm, England; HOLMIIDAE; LCAM [j.o.s. of *Cephalacanthus* LAPWORTH in

- WALCOTT, 1890b and thus j.s.s. of *Callavia*, fide LAKE, 1937].
- Callavia** MATTHEW, 1897b [*Olenellus* (*Mesonacis*) *broeggeri* WALCOTT, 1890a] Brigus Fm, Newfoundland, Canada; HOLMIIDAE; LCAM.
- Callidaspina** POKROVSKAYA in ZHURAVLEVA et al., 1967 [lidae] Obruchevsk Horizon, Tuva, Russia; PTYCHOPARIIDAE; LCAM.
- Callidaspis** POKROVSKAYA in KHALFIN, 1960 [recta] Shivelik Fm, Tuva, Russia; PTYCHOPARIIDAE; LCAM.
- Calliops** DELO, 1935 [*Phacops callicephalus* HALL, 1847] Middleville, Herkimer Co, New York, USA; PTERYGOMETOPIIDAE; UORD.
- Calmonia** CLARKE, 1913 [signifer] Ponta Grossa Sh, Paraná Basin, Brazil; CALMONIIDAE; LDEV.
- Calocephalites** KURTZ, 1975 [vulgaris] Davis Fm, Missouri, USA; DOKIMOCEPHALIDAE; UCAM.
- Calodiscus** HOWELL, 1935b [*Agnostus lobatus* HALL, 1847] Schodack Fm, New York, USA; CALODISCIDAE; LCAM [replacement name for *Goniodiscus*].
- Calvinella** WALCOTT, 1914a [*Dikelocephalus spiniger* HALL, 1863] Jordan Fm, Wisconsin, USA; SAUKIIDAE; UCAM.
- Calvipelta** WESTROP, 1986b [spinosa] Mistaya Fm, Alberta, Canada; KINGSTONIIDAE; UCAM.
- Calybole** RICHTER & RICHTER, 1926 [*Cyrtosymbole calymmene* RICHTER, 1913] Oberscheld, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Calycinoidia** LU & QIAN in YIN & LI, 1978 [convexa] Sandu Fm, Guizhou, China; ALSATASPIDIDAE; UCAM.
- Calycoscutellum** ARCHINAL, 1994 [*Bronteus flabellifer* GOLDFUSS, 1839] Junkerberg Fm, Gerolstein, Germany; STYGINIDAE; MDEV.
- Calymena** DESMAREST, 1817 [suppressed in favour of *Calymene*, by ICZN Opinion 1433].
- Calymene** BRONGNIART, 1822 [*Calymena blumenbachii* BRONGNIART in DESMAREST, 1817] Much Wenlock Lst, England; CALYMENIDAE; LSIL.
- Calymenella** BERGERON, 1890 [boisseli] Glauzy Fm, Montagne Noire, France; CALYMENIDAE; UORD.
- Calymenesum** KOBAYASHI, 1951b [*Calymene tingi* SUN, 1931] Shizupu Fm, Guizhou, China; CALYMENIDAE; MORD.
- Calymenia** KOLOBOVA in SOKOLOV & ĚLKIN, 1978 [whittingtoni] Shakhriomon Fm, Uzbekistan; BATHYCHEILIDAE; UORD.
- Calymenidius** RASETTI, 1944 [tuberculatus] Levis Fm, Quebec, Canada; LONCHOCEPHALIDAE; UCAM.
- Calymenopsis** BERGERON, 1895 [*Calymene filacovi* MUNIER-CHALMAS & BERGERON in BERGERON, 1889] Herault, France; EULOMIDAE; LORD [j.s.s. of *Euloma*, fide COURTESSOLE & PILLET, 1976].
- Calyptaulax** COOPER, 1930 [glabella] Whitehead Fm, Quebec, Canada; PTERYGOMETOPIIDAE; UORD.
- Calyptomma** RESSER, 1942b [preocc. replaced by *Princetonella*].
- Camaraspis** ULRICH & RESSER in ULRICH, 1924 [*Arionellus* (*Agraulos*) *convexus* WHITFIELD, 1878] Wonewoc Fm, Wisconsin, USA; PTEROCEPHALIIDAE; UCAM.
- Camaraspoides** FREDERICKSON, 1949 [*Modocia berkeyi* RESSER, 1935] Honey Ck Fm, Oklahoma, USA; DIKELOCEPHALIDAE; UCAM [j.s.s. of *Camaraspis*, fide GRANT, 1965].
- Cambroinyoella** LIEBERMAN, 2001 [wallacei] Campito Fm, California, USA; NEVADIIDAE; LCAM.
- Cambropallas** GEYER, 1993 [telesto] Jbel Wawrmast Fm, Morocco; HOLMIIDAE; LCAM.
- Cambrophatictor** GEYER, 1998 [cataractis] Jbel Wawrmast Fm, High Atlas, Morocco; ANTAGMIDAE; MCAM.
- Cambrunicornia** GEYER, 1990 [vanlooyi] Jbel Wawrmast Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Camsellia** ORMISTON, 1976 [truncata] Hume Fm, Northwest Territories, Canada; PROETIDAE; MDEV.
- Cancapolia** RUSCONI, 1954a [proa] Mendoza, Argentina; INDET; CAM.
- Canningella** LEGG, 1976 [hardmani] Emanuel Fm, Western Australia; PLIOMERIDAE; LORD.
- Canotagnostus** RUSCONI, 1951b [huarpeanus] Mendoza, Argentina; PTYCHAGNOSTIDAE; MCAM [j.s.s. of *Ptychagnostus*, fide SHERGOLD & LAURIE, 1997].
- Canotaspis** POULSEN, 1960 [aliena] *Bolaspidella* Zone, Argentina; SOLENOPLEURIDAE; MCAM.
- Canotiana** RUSCONI, 1950b [villavicensis] Mendoza, Argentina; ASAPHISCIDAE; MCAM.
- Caphyra** BARRANDE, 1847 [radians] Králův Dvůr Fm, Czech Republic; REMOPLEURIDIDAE; UORD [preocc., never replaced; j.s.s. of *Amphitryon*, fide BARRANDE, 1852].
- Capricornia** ENGEL & MORRIS, 1996 [queenslandica] Neils Creek Clastics, Queensland, Australia; PROETIDAE; MISS.
- Caputrotundum** DENG & ZHAO in DENG et al., 1986 [bashanense] Ziyang, S Shaanxi, China; ALSATASPIDIDAE; LORD.
- Carausia** HICKS, 1872 [menevensis] St David's Series, SW Wales; HOLOCEPHALINIDAE; MCAM [j.s.s. of *Holocephalina*, fide LAKE, 1938].
- Carbonocoryphe** RICHTER & RICHTER, 1950 [bindemanni] Posidonia Sh, Herborn, Rhenish Massif, Germany; PROETIDAE; MISS.
- Carbonoproetus** GANDL, 1987 [calvus] Valdeteja Fm, Leon, N Spain; PROETIDAE; PENN.

- Carinamala** PALMER, 1962 [longispina] Hamburg Lst, Nevada, USA; CEDARIIDAE; UCAM.
- Carinobasiliella** PRIBYL & VANĚK, 1980 [Basiliella carinata HARRINGTON, 1938] Saladillo Fm, Argentina; ASAPHIDAE; LORD [j.s.s. of Basilius, fide ZHOU & FORTEY, 1986].
- Carinoeranium** DEAN, 1989 [cariniferum] Outram Fm, British Columbia, Canada; RAPHIOPHORIDAE; LORD.
- Carinopyge** MAKSIMOVA, 1955 [fracta] Mangazeisk Stage, Rybokupchaya River, Siberian Platform, Russia; PTERYGOMETOPIDAE; MORD.
- Carlopsia** LAMONT, 1978 [Cyphoproetus glaudii LAMONT, 1948] Wether Law Linn Fm, Scotland; PROETIDAE; LSIL.
- Carmon** BARRANDE, 1872 [Trilobites mutilis BARRANDE, 1852] Králův Dvůr Fm, Czech Republic; UNCERTAIN; UORD.
- Carnicia** RICHTER & RICHTER, 1927b [Drevermannia? carnica RICHTER, 1913] *Laevigites* and *Wöcklumeria*-Stufe, Carnic Alps, Austria; PROETIDAE; MISS [j.s.s. of Chaunoproetus, fide YUAN & XIANG, 1998].
- Carniphillipsia** HAHN & BRAUCKMANN, 1975b [Pseudophillipsia ogivalis GAURI, 1965] Auernig Fm, Carnic Alps, Austria; PROETIDAE; PENN/LPERM.
- Carolinites** KOBAYASHI, 1940b [bulbosa] Caroline Creek Sst, Tasmania, Australia; TELEPHINIDAE; LORD.
- Carrickia** TRIPP, 1965 [pelagia] Doularg Fm, Scotland; TELEPHINIDAE; UORD [j.s.s. of Phorocephala, fide TRIPP in MORRIS, 1988].
- Catadoxides** MATTHEW, 1899b [magnificus] Brigus Fm, Newfoundland, Canada; ELLIPSOCEPHALIDAE; LMCAM.
- Cataplotaspis** YUAN & YIN, 1999 [Aplotaspis (Cataplotaspis) quadrata] Chefu Fm, Guizhou, China; CERATOPYGIDAE; UCAM.
- Catasolenopleura** QIU in QIU et al., 1983 [lilia] Hsuehchuang Fm, Jiangsu, China; SOLENOPLEURIDAE; MCAM.
- Cathayanella** YUAN & YIN, 1998 [granulosa] Chefu Fm, Guizhou, China; PTYCHOPARIIDAE; UCAM.
- Catillicephala** RAYMOND, 1938 [Cephalocoelia ovoides RAYMOND, 1937] Rockledge Cgte, Vermont, USA; CATILLICEPHALIDAE; MUCAM [replacement name for Cephalocoelia].
- Catillicephalites** RASETTI, 1963b [marginatus] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; MCAM.
- Catinouyia** W. ZHANG & YUAN, 1981 [typica] Hsuehchuang Fm, Inner Mongolia, China; INOUYIIDAE; MCAM.
- Catochia** FORTEY, 1979 [ornata] Catoche Fm, Newfoundland, Canada; BATHYURIDAE; LORD.
- Catuniella** EGOROVA in CHERNYSHEVA et al., 1956 [digna] Elanda River, NE Altay, Russia; CONOKEPHALINIDAE; MCAM.
- Caulaspina** ROZOVA, 1963 [convexa] Tavgyi Horizon, Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Caulaspis** ROZOVA, 1960b [angustus] Tolstochikhin Fm, Salair, Russia; LONCHOCEPHALIDAE; UCAM.
- Cavetia** PILLET, 1973a [Bronteus (Dicranactis) furcifer HAWLE & CORDA, 1847] Zlichov Fm, Czech Republic; STYGINIDAE; LDEV.
- Cavia** SUN, 1993 [Haniwa dactyloides GUO & DUAN, 1978] Fengshan Fm, Hebei, China; REMOPLEURIDIDAE; UCAM.
- Cayastaia** RUSCONI, 1954a [flexuosa] Peladiana Fm, Quebradita Oblicua, Mendoza, Argentina; UNCERTAIN; UCAM.
- Cayupania** RUSCONI, 1958 [obliquoana] Mendoza, Argentina; CREPICEPHALIDAE; UCAM.
- Caznaia** SHERGOLD, 1975 [squamosa] Chatsworth Lst, Queensland, Australia; SAUKIIDAE; UCAM.
- Cedaraspis** IVSHIN in KHALFIN, 1960 [sibiricus] Gorny Altay; NORWOODIIDAE; UCAM.
- Cedarellus** LAZARENKO, 1966 [felix] *Irvingella* Zone, NW Siberia, Russia; IDAHOIIDAE; UCAM [j.s.s. of Maladioidella, fide SHERGOLD & SDZUY, 1984].
- Cedaria** WALCOTT, 1924b [prolifera] Conasauga Fm, Alabama, USA; CEDARIIDAE; UCAM.
- Cedarina** LOCHMAN, 1940 [vale] Bonnetterre Dol, Missouri, USA; CEDARIIDAE; UCAM.
- Cekovia** ŠNAJDR, 1956 [Hlaenus transfuga BARRANDE, 1852] Letná Fm, Czech Republic; STYGINIDAE; UORD.
- Celmus** ANGELIN, 1854 [granulatus] Skarpåsen, Östergötland, Sweden; DIMEROPYGIDAE; MORD.
- Celtenerinurus** EVITT & TRIPP, 1977 [Amphion multisegmentatus PORTLOCK, 1843] Killey Bridge Fm, N Ireland; ENCRINURIDAE; UORD.
- Centauropyge** HAAS, 1968 [pronomaea] Gebze Fm, Turkey; ACASTIDAE; LDEV.
- Centonella** WOLFART, 1994 [glomerata] Spurs Fm, Antarctica; DOLICHOMETOPIDAE; MCAM.
- Centriproetus** ŠNAJDR, 1977 [Proetus (Decoroproetus) concentricus PRIBYL, 1949] Dvorce-Prokop Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Centropleura** ANGELIN, 1854 [Paradoxides loveni ANGELIN, 1851] Andrarum Lst, Sweden; CENTROPLEURIDAE; MCAM.
- Cephalacanthus** LAPWORTH in WALCOTT, 1890b [callavei] Comley Lst Fm, England; HOLMIIDAE; LCAM [preocc., not replaced; j.s.s. of Callavia, fide LAKE, 1937].
- Cephalocoelia** RAYMOND, 1937 [preocc., replaced by Catillicephala].
- Cephalopyge** GEYER, 1988 [notabilis] Jbel Wawr-mast Fm, Anti-Atlas, Morocco; WEYMOUTHIDAE; LCAM.

- Cerampyx** PEK & VANĚK, 1993 [*Ampyx gratus* BARRANDE, 1872] Králův Dvůr Fm, Czech Republic; RAPHIOPHORIDAE; UORD.
- Ceratagnostus** WHITEHOUSE, 1939 [magister] V Creek Lst, Queensland, Australia; DORYAGNOSTIDAE; MCAM [j.s.s. of *Doryagnostus*, fide SHERGOLD et al., 1990].
- Ceratarges** GÜRICH, 1901 [*Arges armatus* GOLDFUSS, 1839] Lauch to Ahrdorf Beds, Eifel, Germany; LICHIDAE; MDEV [replacement name for *Arges*].
- Ceratevenkaspis** KRAMARENKO, 1952 [armata] Mangazeisk Stage, Tungus River, Siberian Platform, Russia; PTERYGOMETOPIDAE; MORD.
- Ceratocara** RAMSKÖLD, 1991b [*Ceratocephala rarisipina* WHITTINGTON, 1956a] Oranda Fm, Virginia, USA; ODONTOPLEURIDAE; UORD.
- Ceratocephala** WARDER, 1838 [goniata] Springfield, Ohio, USA; ODONTOPLEURIDAE; LSIL.
- Ceratocephalina** WHITTINGTON, 1956a [*Ceratocephala* (*Ceratocephalina*) *tridens*] Edinburg Fm, Virginia, USA; ODONTOPLEURIDAE; UORD.
- Ceratolichas** HALL & CLARKE, 1888 [*Lichas* (*Ceratolichas*) *gryps*] Onondaga Fm, New York, USA; LICHIDAE; MDEV.
- Ceratolithus** LU, 1963 [cornutus] Meitan Fm, Sichuan, China; TRINUCLEIDAE; MORD [probable j.s.s. of *Ningkianolithus*, fide HUGHES et al., 1975].
- Ceratonurus** PRANTL & PŘIBYL, 1949a [*Acidaspis krejci* NOVAK, 1883] Dvorce-Prokop Lst, Czech Republic; ODONTOPLEURIDAE; LDEV.
- Ceratopeltis** POULSEN, 1937 [latilimbata] Cape Weber Fm, E Greenland; BATHYURIDAE; LORD.
- Ceratopretus** LUO & JIANG, 1985 [guangnanensis] Pojiao Fm, Yunnan, China; PROETIDAE; LDEV.
- Ceratopyge** HAWLE & CORDA, 1847 [*Olenus forficula* SARS, 1835] Bjørkåsholmen Fm, Norway; CERATOPYGIDAE; LORD.
- Ceraurina** COOPER, 1953 [typa] Edinburg Fm, Virginia, USA; CHEIRURIDAE; UORD.
- Ceraurinium** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [*Ceraurus intermedius* KIELAN, 1955] Holy Cross Mts, Poland; CHEIRURIDAE; UORD.
- Ceraurinus** BARTON, 1913 [marginatus] Cobourg Fm, Ontario, Canada; CHEIRURIDAE; UORD.
- Cerauroides** PRANTL & PŘIBYL, 1947c [*Cheirurus hawlei* BARRANDE, 1852] Kopanina Fm, Czech Republic; CHEIRURIDAE; USIL. [j.s.s. of *Crotalocephalus*, fide PŘIBYL & VANĚK, 1980].
- Cerauromeros** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [*Ceraurus hydei* WELLER, 1907] "Niagaran lst", Illinois, USA; CHEIRURIDAE; LUSIL.
- Cerauropeltis** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [*Ceraurus ruedemanni* RAYMOND, 1916] Valcour Fm, New York, USA; CHEIRURIDAE; UORD.
- Ceraurus** GREEN, 1832 [*pleurexanthemus*] Trenton Group, New York, USA; CHEIRURIDAE; UORD.
- Cermataspis** ÖPIK, 1967 [abundans] Mungerebar Lst, Queensland, Australia; ACROCEPHALITIDAE; MUCAM.
- Cermatops** SHERGOLD, 1980 [vieta] Chatsworth Lst, Queensland, Australia; CERATOPYGIDAE; UCAM.
- Cerनुolimbus** PALMER, 1960 [orygmatos] Dunderberg Fm, Nevada, USA; PTEROCEPHALIIDAE; UCAM.
- Ceronocare** SHERGOLD, 1975 [pandum] Chatsworth Limestone, Queensland, Australia; KAOLISHANIIDAE; UCAM.
- Chacomurus** BRANIŠA & VANĚK, 1973 [confrag-
osus] Belén Fm, Bolivia; DALMANITIDAE; LDEV.
- Chakasskia** POLETAEVA, 1936 [minussensis] Kuznetsk Alatau, Russia; DINESIDAE; CAM.
- Chakasskinella** REPINA in REPINA et al., 1964 [lita] Sanashtygoř Horizon, Kuznetsk Alatau, Russia; DINESIDAE; LCAM.
- Chalfontia** SHERGOLD, 1982 [*Prismenaspis alta* HENDERSON, 1976] Georgina Lst, Queensland, Australia; DOKIMOCEPHALIDAE; UCAM.
- Chambersiellus** LAMONT, 1975 [conditor] Leny Lst, Scotland; INDET. LCAM.
- Champlainia** HOWELL, 1937 [rectimargo] St Albans Sh, Vermont, USA; PTYCHOPARIIDAE; MCAM.
- Chancia** WALCOTT, 1924b [ebdome] Spence Sh, Idaho, USA; ALOKISTOCARIDAE; MCAM.
- Chanciaopsis** SUNDBERG, 1994 [heteromorphos] Trailer Lst, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Changaspis** LI in QIAN, 1961 [elongata] Balang Fm, Guizhou, China; ORYCTOCEPHALIDAE; LCAM [j.s.s. of *Lancastria*, fide W. ZHANG, 1989].
- Changchowilla** WAISFELD et al., 2001 [sanjuanina] Las Aguaditas Fm, San Juan, Argentina; SHUMARDIIDAE; MORD.
- Changia** SUN, 1924 [chinensis] Fengshan Fm, Shandong, China; PTYCHASPIDIDAE; UCAM.
- Changqingia** LU & ZHU in QIU et al., 1983 [shandongensis] Changhia Fm, Shandong, China; SOLENOPLEURIDAE; MCAM.
- Changshania** SUN, 1924 [conica] Changshan Fm, Hebei, China; CHANGSHANIIDAE; UCAM.
- Changshanocephalus** SUN, 1935 [reedii] Changshan Fm, Shandong, China; CHANGSHANIIDAE; UCAM.
- Changyangia** ZHANG in LU et al., 1965 [mai] Shuijingtuo Fm, Hubei, China; CHENGKOUIIDAE; LCAM.
- Chaoaspis** W. ZHANG, 1966 [ovatus] Lilaodong Fm, Sichuan, China; REDLICHIDAE; LCAM.
- Charabaia** RUSCONI, 1956 [montnegransis] Empozada Fm, San Isidro, Mendoza, Argentina; ASAPHIDAE; LORD.

- Charaulaspis** LAZARENKO, 1962 [prima] *Hebe-discus-Judomia* Zonc, N Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Charchaia** TROEDSSON, 1937 [norini] Torsuqtagh Fm, Xinjiang, China; CERATOPYGIDAE; UCAM.
- Chariocephalus** HALL, 1863 [whitfieldi] Lone Rock Fm, Wisconsin, USA; ELVINIIDAE; UCAM.
- Charybdaspis** BASSE, 1998 [comes] Ohle Fm, Sauerland, Germany; ODONTOPLEURIDAE; MDEV [j.s.s. of Radiaspis, fide SANTEL, 2001].
- Chashania** LU & SUN in ZHOU et al., 1977 [chashanensis] Nantsinkuan Fm, Hubei, China; PILEKIIDAE; LORD.
- Chasmops** McCOY, 1849 [Calymene odini EICHWALD, 1840] Kukruse Stage, Estonia; PTERYGOMETOPIDAE; UORD.
- Chatiania** YANG in ZHOU et al., 1977 [chatianensis] Laochatian Fm, Hunan, China; CORYNEXOCHIDAE; UCAM.
- Chatkalagnostus** HAJRULLINA & ABDULLAEV in ABDULLAEV & KHALETSKAYA, 1970 [mirus] Llandeilo, Uzbekistan; METAGNOSTIDAE; LORD.
- Chattiaspis** STRUVE, 1958a [Dalmanitina kegel] RICHTER & RICHTER, 1927a] Andreasteich Quartzite, Rhenish Massif, Germany; DALMANITIDAE; UORD.
- Chauffouraspis** PILLET, 1973a [andegavensis] Angers Lst, Bretagne, France; PROETIDAE; LDEV.
- Chaunoproetoides** YUAN, 1988 [Chaunoproetus (Chaunoproetoides) typicus] Daihua Fm, Guizhou, China; PROETIDAE; UDEV.
- Chaunoproetus** RICHTER, 1919 [Proetus palensis RICHTER, 1913] Hell-blaugrauer Lst, Carnic Alps, Austria; PROETIDAE; UDEV.
- Cheilocephalus** BERKEY, 1898 [st.croixensis] Eau Claire Lst, Minnesota, USA; CHEILOCEPHALIDAE; UCAM.
- Cheiropyge** DIENER, 1897 [himalayensis] Chitichun Lst, Himalaya, India; BRACHYMETOPIDAE; PERM.
- Cheiruroides** KOBAYASHI, 1935c [orientalis] Manto Fm, Liaoning, China; ORYCTOCEPHALIDAE; MCAM.
- Cheirurus** BEYRICH, 1845 [insignis] Liteň Fm, Czech Republic; CHEIRURIDAE; LSIL.
- Chekiaspispis** LU in QIAN, 1961 [chekiangensis] Sandu Fm, Guizhou, China; OLENIDAE; UCAM.
- Chelediscus** RUSHTON, 1966 [acifer] Purley Sh, England; CALODISCIDAE; LCAM.
- Chelidonocephalus** KING, 1937 [alifrons] Chali-Sheh, Iran; PROASAPHISCIDAE; MCAM.
- Chenaspis** ZHOU & XIANG, 1993 [lepida] Pagoda Lst, Shaanxi, China; RORRINGTONIIDAE; UORD [j.s.s. of Rorringtonia, fide FORTEY, 1997].
- Chencunia** QIU in QIU et al., 1983 [tripleura] Tangcun Fm, Anhui, China; HARPIDIDAE; UCAM.
- Chengjiangaspis** W. ZHANG & LIN in W. ZHANG et al., 1980a [chengjiangensis] Chiungchussu Fm, Yunnan, China; REDLICHIIDAE; LCAM.
- Chengkouaspis** W. ZHANG & LIN in W. ZHANG et al., 1980a [longioculus] Yingzui Fm, Sichuan, China; CHENGKOUASPIDIDAE; LCAM.
- Chengkouella** LU in LU & ZHANG, 1974 [spinosa] Dachao Fm, Sichuan, China; ASAPHIDAE; LORD.
- Chengkouia** QIAN & YAO in LU et al., 1974a [cylindrica] Shihpai Fm, Sichuan, China; CHENGKOUIIDAE; LCAM [j.s.s. of Acanthomicmacca, fide GEYER & MALINKY, 1997].
- Chengshauaspis** W. ZHANG, 1963 [Ptychoparia yohi SUN, 1924] Maochuang Fm, Hebei, China; PTYCHOPARIIDAE; MCAM.
- Chiarumanipyge** BRANIŠA & VANĚK, 1973 [profligata] Belén Fm, Chiarumani-Machacoyo, Bolivia; CALMONIIDAE; LDEV.
- Chiawangella** ZHU, 1959 [pustulosa] Kushan Fm, Jiangsu, China; DAMESELLIDAE; UCAM.
- Chichikaspis** BALASHOVA, 1966b [Bronteopsis (Chichikaspis) pamiricus] W Pamir, Tadzhikistan; STYGINIDAE; MORD.
- Chienaspis** SUVOROVA, 1964 [micropyge] Balang Fm, Guizhou, China; ORYCTOCEPHALIDAE; LCAM [j.s.s. of Lancastria, fide W. ZHANG, 1989].
- Chiides** HAHN & HAHN, 2002 [Silesiops (Silesiops) chi HAHN & WUNN-PETRY, 1983] Grauc Kiesel Schiefer, Sauerland, Germany; PROETIDAE; MISS.
- Chilometopus** RUSCONI, 1952 [asperoensis] Mendoza, Argentina; DOLICHOMETOPIDAE; MCAM.
- Chilonorria** RUSCONI, 1952 [perlottii] Mendoza, Argentina; DOLICHOMETOPIDAE; MCAM.
- Chimaerastella** GANDL, 1972 [chimacra] Badenas-Schichten, Fombuena, NE Spain; ACASTIDAE; USIL.
- Chinghisicus** LISOGOR, 1997 [decoratus] Chingiztay Fm, E Kazakhstan; PTYCHOPARIIDAE; LORD.
- Chiops** HAHN & HAHN, 2002 [Chlupacula (Chiops) rhaea] upper Balvian, Hoppecke-Tal, Sauerland, Germany; PROETIDAE; MISS.
- Chiozoon** LANE, 1972 [cowiei] Drommebjerg Lst. N Greenland; CHEIRURIDAE; LSIL.
- Chishanheella** W. ZHANG in W. ZHANG et al., 1995 [longispina] Hsuehuang Fm, Henan, China; UNCERTAIN; MCAM.
- Chittidilla** KING, 1941 [plana] Magnesian Sst. Salt Ra, Pakistan; AGRAULIDAE; MCAM.
- Chlupacula** HAHN & WUNN-PETRY, 1983 [Silesiops (Chlupacula) kymo] Kiesel Kalk, *nasutus* Zone, Rhenish Slate Mtns, Germany; PROETIDAE; MISS.
- Chlustinia** PŘIBYL & VANĚK, 1965 [Acidaspis keyserlingi BARRANDE, 1846a] Zahořany Fm, Czech Republic; ODONTOPLEURIDAE; UORD.

- Cholopilus** RAYMOND, 1924 [vermontanus] Highgate Fm, Vermont, USA; LEIOSTEGI-
IDAE; LORD.
- Chomatopyge** WHITTINGTON & EVITT, 1954 [falcata] Edinburg Fm, Virginia, USA; TOERN-
QUISTIIDAE; UORD.
- Chondragraulina** POKROVSKAYA in KHALFIN, 1960 [ovalis] Sanashtykgol Horizon, Kuznetsk
Alatau, Russia; UTIIDAE; LCAM.
- Chondragraulos** LERMONTOVA, 1940 [minuss-
ensis] Kutorgina Fm, Siberia, Russia; UTIIDAE;
MCAM.
- Chondranomocare** POLETAEVA in CHERNY-
SHEVA et al., 1956 [bidjensis] Kuznetsk Alatau,
SW Siberia, Russia; ANOMOCARIDAE;
MCAM.
- Chondrinouyina** REPINA in KHOMENTOVSKY &
REPINA, 1965, [olekmica] Botoman, Siberia,
Russia; NAMANOIIDAE; LCAM.
- Chondroparia** LORENZ, 1906 [Agraulos pusillus
MATTHEW, 1897a] Hastings Cove Fm, New
Brunswick, Canada; AGRAULIDAE; MCAM.
- Choneilobarges** PHLEGER, 1936 [Lichas (Corydo-
cephalus) maccullochi REED, 1914] South
Threave Fm, Scotland; LICHIDAE; UORD [j.s.s.
of Hemiarges, fide THOMAS & HOLLOWAY,
1988].
- Chorbusulina** LAZARENKO, 1962 [bella] Daldyn
Fm, N Siberia, Russia; ELLIPSOCEPHALIDAE;
LCAM.
- Chosenia** KOBAYASHI, 1934b [laticephala] *Clarkella*
Zone, Saisho-ri, South Korea; LEIOSTEGI-
IDAE; LORD.
- Chotecops** CHLUPÁČ, 1971b [Phacops (Chotecops)
auspex] Choteč Lst, Czech Republic;
PHACOPIDAE; MDEV.
- Choubertella HUPÉ, 1953a [spinosa] Amouslek Fm,
Morocco; FALLOTASPIDIDAE; LCAM.
- Chuangia** WALCOTT, 1911 [Ptychoparia batia
WALCOTT, 1905] Changshan Fm, Shandong,
China; LEIOSTEGIIDAE; UCAM [j.s.s. of
Schantungia, preserved by ICZN opinion 1261].
- Chuangiella** KOBAYASHI, 1935c [elongata] *Eoorthis*
Zone, Doten, South Korea; LEIOSTEGIIDAE;
UCAM.
- Chuangina** KOBAYASHI, 1967 [fossula] Kuh-I-
Namak, Iran; LEIOSTEGIIDAE; UCAM.
- Chuangioides** ZHU, 1959 [punctatus] Kushan Fm,
Shanxi, China; LEIOSTEGIIDAE; UCAM.
- Chuangiopsis** SIVOV in EGOROVA et al., 1955
[sibirica] Gomoshor Fm, Gorny Shoria, Russia;
LEIOSTEGIIDAE; UCAM.
- Chuangites** HOWELL, 1945 [jerseyensis] Upper Kit-
tatiny Lst, New Jersey, USA; LEIOSTEGI-
IDAE; UCAM.
- Chuangianoproetus** WU, 1977 [constrictus] Xiushan
Fm, Sichuan, China; PROETIDAE; LSIL.
- Chuchiaspis** ZHANG in LU et al., 1974b [granosa]
Shihlungtung Fm, Sichuan, China; ZACANTH-
OIDIDAE; LCAM.
- Chugaevia** PŘIBYL & VANĚK, 1971b [Bronteopsis?
extraordinarius CHUGAEVA, 1958] Kazakhstan;
STYGINIDAE; UORD.
- Chulanolenus** Q.Z. ZHANG in QIU et al., 1983
[chulanensis] Changping Fm, Anhui, China;
ESTAINGIIDAE; LCAM.
- Chunghwaella** KIM, 1987 [Ptychoparia ? coreanica
KOBAYASHI, 1935c] Rimchon Fm, North
Korea; PTYCHOPARIIDAE; MCAM.
- Chungkingaspis** LU in WANG, 1962 [Andesaspis
(Parabolinopsis) sinensis SHENG, 1958] Banhe
Fm, Guizhou, China; OLENIDAE; UCAM. [j.s.s.
of Leptoplastides, fide FORTEY & OWENS,
1991].
- Churkinia** PALMER, 1968 [yukonensis] Adams
Argillite, Alaska, USA; METADOXIDIDAE;
LCAM.
- Ciceragnostus** KOBAYASHI, 1937b [Agnostus
barlowii BELT, 1868] Dolgellau, N Wales;
AGNOSTINA FAMILY UNCERTAIN; LORD
[j.s.s. of Leiagnostus, fide NIELSEN, 1997].
- Cilia** PENG, 1992 [plectrifera] Shenjiawan Fm, Hunan,
China; PTEROCEPHALIIDAE; UCAM.
- Ciliocephalus** LIU in ZHOU et al. 1977 [angulatus]
Cili-Taoyuan area, Hunan, China; HUNGAI-
IDAE; LORD.
- Ciliscutellum** LIN, 1987 [ciliensis] Lungmachi Fm,
Hunan, China; STYGINIDAE; LSIL.
- Cinnella** ROMANENKO in REPINA & ROM-
ANENKO, 1978 [sulcata] Gorny Altay, S Siberia,
Russia; ASAPHISCIDAE; LCAM.
- Circulocrania** FORTEY & OWENS, 1987 [orbissima]
Pontyfenni Fm, Wales; CYCLOPYGIDAE;
MORD.
- Cirquella** FRITZ, 1993 [nummularia] Donald Fm,
British Columbia, Canada; NEVADIIDAE;
LCAM.
- Clappaspis** DEISS, 1939 [typica] Pentagon Sh,
Montana, USA; ALOKISTOCARIDAE; MCAM
[j.s.s. of Ehmaniella, fide HOWELL in MOORE,
1959].
- Clarella** HOWELL, 1933 [Anaplenus [sic] venustus
BILLINGS, 1874] Manuels River Fm, New-
foundland, Canada; CENTROPLEURIDAE;
MCAM.
- Clariondia** HUPÉ, 1953a [chazani] Issafen Fm,
Morocco; SAUKIANDIDAE; LCAM.
- Clarkeaspis** LIEBERMAN, 1993 [padillaensis] Icla
Fm, Bolivia; CALMONIIDAE; LMDEV.
- Clavagnostus** HOWELL, 1937 [Agnostus rcpandus
WESTERGÅRD in HOLM & WESTERGÅRD,
1930] Andrarum Lst, Sweden; CLAV-
AGNOSTIDAE; MUCAM.
- Clavaspidella** POULSEN, 1927 [sinupyga] Cape Fred-
erick VII Fm, NW Greenland; DOLICHO-
METOPIDAE; MCAM.
- Clavatellus** POLETAEVA in LOMOVITSKAYA,
1955 [globosus] River Amzas, Gorny Shoria,
Russia; ALSATASPIDIDAE; LORD.
- Clavibole** HAHN, HAHN & BRAUCKMANN, 1982a
[Dechenella (subg.?) martenbergensis RICHTER

- & RICHTER, 1926] Adorf Fm, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Clavigellus** GEYER, 1994 [annulus] Jbel Wawrmast Fm, Morocco; CORYNEXOCHIDAE; MCAM.
- Clelandia** COSSMAN, 1902 [Harrisia parabola CLELAND, 1900] Tribes Hill Fm, New York, USA; KINGSTONIIDAE; LORD [replacement name for Harrisia].
- Clemenella** HAJRULLINA in REPINA et al., 1975 [dubia] *Pseudanomocarina* Zone, Turkestan; AGRAULIDAE; MCAM.
- Clevelandella** RESSER, 1938b [Saratogia aruno WALCOTT, 1916a] Nolichucky Fm, Tennessee, USA; APHELASPIDIDAE; UCAM [j.s.s. of *Aphelaspis*, fide PALMER, 1965].
- Cliffia** WILSON, 1951 [Acrocephalites lataegenae WILSON, 1949] Wilberns Fm, Texas, USA; PHYLACTERIDAE; UCAM.
- Cloacaspis** FORTEY, 1974b [senilis] Valhallfonna Fm, Spitsbergen; OLENIDAE; MORD.
- Clypoproetus** BEGG, 1939 [Proetus (Clypoproetus) asteroideus] South Threave Fm, Scotland; PROETIDAE; UORD [j.s.s. of *Astroproetus*, fide WHITTINGTON, 1966].
- Cnemidopyge** WHITTARD, 1955 [Trinucleus nudus MURCHISON, 1839] Llandeilo Series, Wales; RAPHIOPHORIDAE; MORD.
- Cobboldia** LERMONTOVA, 1940 [preocc. replaced by *Neocobboldia*].
- Cobboldites** KOBAYASHI, 1943a [Microdiscus comleyensis COBBOLD, 1910] Protolenus Lst Fm, England; WEYMOUTHIIDAE; LCAM.
- Cobboldus** RAW, 1936 [Callavia (Cobboldus) cobboldi] clast in Middle Cambrian cgte, from *Eodiscus bellimarginatus* Lst Fm, England; HOLMIIDAE; LCAM [j.s.s. of *Callavia*, fide LAKE, 1937].
- Cochliorrhoe** WHITTARD, 1966 [inquinulum] Mytton Flags Fm, England; TRINUCLEIDAE; LORD [j.s.s. of *Bergamia*, fide MORRIS, 1988].
- Coelaspis** DEISS, 1939 [prima] Steamboat Lst, Montana, USA; ALOKISTOCARIDAE; MCAM [j.s.s. of *Elrathiella*, fide HOWELL in MOORE, 1959].
- Coenaspis** RESSER, 1938b [spectabilis] Nolichucky Fm, Tennessee, USA; MENOMONIIDAE; UCAM.
- Coenaspoides** POLETAEVA, 1977a [peregrinus] NE Salair, Russia; MENOMONIIDAE; UCAM.
- Coephalocoeliaspis** SIVOV in KHALFIN, 1960 [Ucebia? granulosa SIVOV, 1940] Salair, Russia; CATILLICEPHALIDAE; UCAM.
- Coignouina** REED, 1943a [Cyphaspsis acanthina COIGNOU, 1890] Pendleside Lst, England; AULACOPLEURIDAE; MISS [j.s.s. of *Namuropyge*, fide TILSLEY, 1977].
- Coignops** GANDL, 1980 [Namuropyge (Coignops) martinezii] Mere, Oviedo, Spain; AULACOPLEURIDAE; PENN.
- Coleopachys** RAYMOND, 1937 [strix] Rockledge Cgte, Vermont, USA; TRICREPICEPHALIDAE; UCAM [j.s.s. of *Meteoraspis*, fide SHAW, 1952].
- Colliceps** REPINA in REPINA et al., 1974 [subita] Sektensk Fm, Siberia, Russia; SOLENOPLEURIDAE; LCAM.
- Collis** KOROLEVA, 1959 [parvulus] U Maylisor Horizon, Kazakhstan; RAPHIOPHORIDAE; UORD.
- Collyrolenus** HUPÉ, 1953a [staminops] Tamanart Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of *Myopsolenus*, fide GEYER, 1990].
- Colobinion** WHITTINGTON, 1961 [Amphion julius BILLINGS, 1865] Shallow Bay Fm, Newfoundland, Canada; PLIOMERIDAE; MORD.
- Colossaspis** Q.Z. ZHANG in QIU et al., 1983 [anhuiensis] Changhia Fm, Anhui, China; LICHAKEPHALIDAE; UCAM.
- Colpocoryphe** NOVAK in PERNER, 1918 [Calymene (Synhomalonotus) arago ROUAULT, 1849] Ille-et-Villacine, Brittany, France; CALYMENIDAE; MORD.
- Colpocoryphoides** HARRINGTON & LEANZA, 1957 [*Pilekia trapezoidalis* HARRINGTON, 1938] San Bernardo Fm, Salta, Argentina; PHAROSTOMATIDAE; LORD [j.s.s. of *Pharostomina*, fide WHITTINGTON in MOORE, 1959].
- Coltranea** LIEBERMAN & KLOC, 1997 [Treveropyge celtica MORZADEC, 1969] Verveur Fm, Brittany, France; ACASTIDAE; LDEV.
- Columbicephalus** KOBAYASHI, 1955b [macrops] McKay Group, British Columbia, Canada; INDET; LORD.
- Colymbus** HADDING, 1913a [preocc., replaced by *Paryfenus*].
- Comanchia** FREDERICKSON in WILSON & FREDERICKSON, 1950 [Ptychopleurites amplo-oculata FREDERICKSON, 1948] Honey Ck Lst, Oklahoma, USA; IDAHOIIDAE; UCAM.
- Comluella** HUPÉ, 1953a [*Anomocare platycephalum* COBBOLD, 1910] *Strenuella* Lst, Shropshire, England; ELLIPSOCEPHALIDAE; LCAM.
- Compsoccephalus** REPINA in REPINA et al., 1964 [mitis] Aldanian, Sayan Altay Fold Belt, Russia; DINESIDAE; LCAM.
- Comptonaspis** BREZINSKI, 1988a [Proetus swallowi SHUMARD, 1855] Chouteau Fm, Missouri, USA; PROETIDAE; MISS.
- Comura** RICHTER & RICHTER, 1926 [Cryphaeus cometa RICHTER, 1909] Eifel, Germany; ACASTIDAE; LDEV.
- Conagraulos** HOWELL, 1937 [rarus] St Albans Sh, Vermont, USA; AGRAULIDAE; MCAM.
- Conaspis** HALL, 1863 [Conocephalites perseus] Franconia Fm, Minnesota, USA; DOKIMOCEPHALIDAE; UCAM.
- Condylopyge** HAWLE & CORDA, 1847 [Battus rex BARRANDE, 1846a] Jince Fm, Czech Republic; CONDYLOPYGIDAE; MCAM.

- Conicephalus** YANG in YANG et al., 1991 [caigouensis] Xijiadian Fm, Henan, China; SOLENOPLURIDAE; MCAM.
- Conimetopus** HAHN & HAHN, 1985 (Phillipsia uralica de VERNEUIL in MURCHISON et al., 1845] Ural Mts, Russia; BRACHYMETOPIDAE; MISS.
- Coniproetus** ALBERTI, 1966 [Proetus (Proetus) condensus PRIBYL, 1965] Koneprusy Lst, Czech Republic; PROETIDAE; LDEV.
- Connagnostus** ÖPIK, 1967 [venerabilis] Georgina Lst, Queensland, Australia; AGNOSTIDAE; MUCAM.
- Conocephalites** BARRANDE, 1852 [i.o.s. of Conocoryphe].
- Conocephalus** ZENKER, 1833 [costatus] Jince Fm, Czech Republic; CONOCORYPHIDAE; MCAM [preocc., not replaced; s.s. of Conocoryphe, fide SNAJDR, 1958a].
- Conococheaguea** RASETTI, 1959 [ovata] Conococheague Lst, Pennsylvania, USA; HARPETIDAE; UCAM.
- Conocoryphe** HAWLE & CORDA, 1847 [Trilobites sulzeri SCHLOTHEIM, 1823] Jince Fm, Czech Republic; CONOCORYPHIDAE; MCAM.
- Conoides** HOWELL, 1937 [edsoni] St Albans Sh, Vermont, USA; ASAPHISCIDAE; MCAM.
- Conocephalina** BRÖGGER, 1886a [Conocephalites ornatus BRÖGGER, 1878] Norway; CONOKEPHALINIDAE; MCAM.
- Conolichas** DAMES, 1877 [Lichas aequiloba STEINHARDT, 1874] Keila Fm, Estonia; LICHIDAE; UORD.
- Conomicmacca** HUPÉ, 1953a [Micmacca? plana MATTHEW, 1895] Hanford Brook Fm, New Brunswick, Canada; METADOXIDIDAE; LCAM.
- Conoparia** HAWLE & CORDA, 1847 [convexa] Dvorce-Prokop Lst, Czech Republic; AULACOPLEURIDAE; LDEV [i.s.s. of Otarion, fide ADRAIN & CHATTERTON, 1994].
- Conophillipsia** ROBERTS, 1963 [brevicaudata] Bonnington Fm, New South Wales, Australia; PROETIDAE; MISS.
- Conophrys** CALLAWAY, 1877 [salopiensis] Shinton Sh Fm, England; SHUMARDIIDAE; LORD.
- Conopolus** ROBISON, 1988 [granulus] Holm Dal Fm, NWGreenland; PTYCHOPARIIDAE; MCAM.
- Conoredlichia** W. ZHANG, 1966 [Redlichia conica DU & SHAO, 1963] Tsanglangpu Fm, Yunnan, China; REDLICHIIDAE; LCAM.
- Constantina** CISNE, 1970 [pulchra] Conewango Stage, Warren, Pennsylvania, USA; PROETIDAE; UDEV.
- Constrictella** WOLFART, 1974b [ariana] Surkh Bum, Afghanistan; LEIOSTEGIIDAE; UCAM.
- Contracheirus** CHATTERTON & PERRY, 1984 [zuvegesi] Delorme Group, Northwest Territories, Canada; CHEIRURIDAE; LSIL.
- Coombeooidia** ARCHINAL & BRAUCKMANN, 1989 [Proetus coddonensis WOODWARD, 1902] Coddon Hill Beds, Devon, England; PROETIDAE; MISS.
- Coosella** LOCHMAN, 1936 [prolifera] Bonnetterre Dol, Missouri, USA; CREPICEPHALIDAE; UCAM.
- Coosia** WALCOTT, 1911 [superba] Conasauga Fm, Alabama, USA; CREPICEPHALIDAE; UCAM.
- Coosina** RASETTI, 1956 [Maryvillia ariston WALCOTT, 1916b] Nolichucky Fm, Tennessee, USA; CREPICEPHALIDAE; UCAM.
- Coosinoides** IVSHIN, 1962 [elegantulus] Sletinsky Horizon, Kazakhstan; CREPICEPHALIDAE; UCAM.
- Coplacoparia** HAMMANN, 1971 [Placoparia (Coplacoparia) borni] Ciudad Real, Spain; PLIOMERIDAE; UORD.
- Corbinia** WALCOTT, 1924b [horatio] Survey Peak Fm, Alberta, Canada; EUREKIIDAE; UCAM.
- Corcorania** JELL, 1980 [trispinosa] Stauro gully Sh, Victoria, Australia; NEKTASPIDA; LORD.
- Cordania** CLARKE, 1892b [Phacthonides cyclurus HALL in HALL & CLARKE, 1888] New Scotland Lst, New York, USA; BRACHYMETOPIDAE; LDEV.
- Cordapeltis** PRIBYL & VANĚK, 1971a [koneprusiensis] Suchomasty Lst, Czech Republic; PHACOPIDAE; MDEV [i.s.s. of Chotecops, fide CHLUPÁČ, 1977].
- Coreanocephalus** KOBAYASHI, 1935c [kogenensis] Dictya Zone, South Korea; PTYCHASPIDIDAE; UCAM [i.s.s. of Changia, fide W. ZHANG & JELL, 1987].
- Coreolenus** HUPÉ, 1953a [Protolenus coreanicus SAITO, 1933] Protolenus Sh, North Korea; ESTANGIIDAE; LCAM.
- Cornovica** WHITTARD, 1960 [didymograpti] Hope Shale Fm, England; ENCRINURIDAE; MORD [i.s.s. of Dindymene, fide FORTEY & OWENS, 1987].
- Cornucoryphe** SDZUY & LINAN, 1996 [schirmi] Mansilla Fm, Spain; CONOCORYPHIDAE; MCAM [i.s.s. of Cainatops, fide COTTON, 2001].
- Cornuproetus** RICHTER & RICHTER, 1919 [Gerastos cornutus GOLDFUSS, 1843] Ahrdorf Fm, Gerolstein, Eifel, Germany; TROPIDOCORYPHIDAE; MDEV.
- Cornuscutellum** SNAJDR, 1960 [Bronteus rhinoceros BARRANDE, 1872] Vinarice Lst, Czech Republic; STYGINIDAE; LDEV.
- Coronaspsis** WU, 1990 [Coronocephalus changningensis W. ZHANG, 1974] Xiushan Fm, Sichuan, China; ENCRINURIDAE; LSIL.
- Coronocephalina** WU in ZHOU et al., 1977 [gaoluensis] Xiushan Fm, Sichuan, China; ENCRINURIDAE; LSIL [i.s.s. of Coronocephalus, fide WU, 1990].
- Coronocephalus** GRABAU, 1924 [Encrinurus (Coronocephalus) rex] Kaochiapien Sh, Jiangsu, China; ENCRINURIDAE; LSIL.

- Coronura** HALL & CLARKE, 1888 [*Asaphus aspectans* CONRAD, 1841] Onondaga Fm, New York, USA; DALMANITIDAE; MDEV.
- Corrugatagnostus** KOBAYASHI, 1939a [*Agnostus perrugatus* BARRANDE, 1872] Dobrotivá Fm, Czech Republic; METAGNOSTIDAE; MORD.
- Corycephalus** HALL & CLARKE, 1888 [*Dalmanites regalis* HALL, 1876] Schoharie Fm, New York, USA; DALMANITIDAE; LDEV.
- Corydocephalus** HAWLE & CORDA, 1847 [*flabellatus*] Liteň Fm, Czech Republic; LICHIDAE; LSIL [j.s.s. of *Trochurus*, fide TRIPP, 1958].
- Corynexochella** SUVOROVA, 1964 [*occulta*] Mayan, Siberia, Russia; CORYNEXOCHIDAE; MCAM.
- Corynexochides** RASETTI, 1948 [*gregarius*] Levis Fm, Quebec, Canada; DOLICHOMETOPIIDAE; MCAM.
- Corynexochina** LERMONTOVA, 1940 [*weberi*] S Fergana, central Asia, Russia; CORYNEXOCHIDAE; UCAM.
- Corynexochus** ANGELIN, 1854 [*spinulosus*] Andrarum Lst, Sweden; CORYNEXOCHIDAE; UCAM.
- Costadiscus** BABCOCK, 1994 [*minutus*] Henson Gletscher Fm, Greenland; WEYMOUTHIDAE; CAM [j.s.s. of *Abakolia*, fide JELL, 1997].
- Costapyge** HOWELL, 1937 [*vermontensis*] St Albans Sh, Vermont, USA; UNCERTAIN (pyg.); MCAM.
- Costonia** WHITTARD, 1956 [*Marrolithus ultimus* BANCROFT, 1949] Costonian, England; TRINUCLEIDAE; UORD.
- Cotalagnostus** WHITEHOUSE, 1936 [*Agnostus lens* GRÖNWALL, 1902] Bornholm, Denmark; PERONOPSIDAE; MCAM.
- Couloumania** THORAL, 1946 [*Conocoryphe heberti* MUNIER-CHALMAS & BERGERON in BERGERON, 1889] Schistes Troues, Coulouma, France; CONOCORYPHIDAE; MCAM [j.s.s. of *Conocoryphe*, fide COTTON, 2001].
- Courtessolium** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [*Pseudosphaerexochus* (*Pateraspis*) preperater COURTESSOLE & PILLET, 1975] Tremadoc erratic, Hérault, France; CHEIRURIDAE; LORD.
- Craigheadia** HUPÉ, 1955 [*Bronteus grayi* REED, 1904] Craighead Lst, Scotland; STYGINIDAE; UORD.
- Craspedarges** GÜRICH, 1901 [*wilcanniae*] Amphitheatre Group, New South Wales, Australia; LICHIDAE; LDEV.
- Craspedops** HAHN & HAHN, 2002 [*Pseudosilesiops* (*Craspedops*) *themis*] upper Balvian, Hoppecke-Tal, Sauerland, Germany; PROETIDAE; MISS.
- Crassibole** GANDL, 1980 [*Archegonus* (*Crassibole*) *crassus*] Mere, Oviedo, Spain; PROETIDAE; PENN.
- Crassifimbria** LOCHMAN, 1947 [*Onchocephalus walcottii* RESSER, 1937] Pioche Fm, Nevada, USA; ANTAGMIDAE; LCAM.
- Crassiproetus** STUMM, 1953a [*Proetus* (*Crassiproetus*) *traversensis*] Traverse Group, Michigan, USA; PROETIDAE; MDEV.
- Cremastoglottos** WHITTARD, 1961a [*Cyclopyge occipitalis* WHITTARD, 1940b] Hope Sh Fm, England; CYCLOPYGIDAE; MORD [j.s.s. of *Girvanopyge*, fide FORTEY & OWENS, 1987].
- Crevicephalina** RESSER & ENDO in KOBAYASHI, 1935c [*Crevicephalus convexus* WALCOTT, 1913b] Changhia Fm, Liaoning, China; CREPICEPHALIDAE; MCAM.
- Crevicephalus** OWEN, 1852 [*Dikelocephalus*? *iowensis* OWEN, 1852] Eau Claire Fm, Minnesota, USA; CREPICEPHALIDAE; UCAM.
- Crevicephala** WILSON, 1951 [*antietamensis*] Conococheague Lst, Maryland, USA; MARJUMIDAE; UCAM.
- Crevicephalus** BIGSBY, 1868 misspelling of *Crevicephalus*.
- Criotypus** ÖPIK, 1979 [*Goniagnostus* (*Criotypus*) *oxytorus*] Inca Fm, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM.
- Cristagnostus** RUSHTON, 1978 [*papilio*] *Agnostus pisiformis* Zone, England; DIPLAGNOSTIDAE; UCAM [j.s.s. of *Linguagnostus*, fide PENG & ROBISON, 2000].
- Crithias** HAWLE & CORDA, 1847 [*minima*] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of *Sao*, fide ŠNAJDR, 1958a].
- Croixana** NELSON, 1951 [*Arionellus bipunctatus* SHUMARD, 1863] Franconia Fm, Minnesota, USA; PARABOLINOIDIDAE; UCAM.
- Cromus** BARRANDE, 1852 [*Trilobites intercostatus* BARRANDE, 1846a] Kopanina Fm, Czech Republic; ENCRINURIDAE; USIL.
- Crossoura** MOBERG & SEGERBERG, 1906 [*parvula*] Tremadoc Series, Sweden; UNCERTAIN; LORD.
- Crotalocephalides** ALBERTI, 1967a [*Cheirus gaertneri* ALBERTI, 1962] Tentaculitenknollen Lst, Ebersdorf, Oberfranken, Germany; CHEIRURIDAE; LDEV.
- Crotalocephalina** PIBYL & VANĚK, 1964 [*Cheirus gibbus* BEYRICH, 1845] Dvorce-Prokop Lst, Czech Republic; CHEIRURIDAE; LDEV.
- Crotalocephalus** SALTER, 1853a [*pengellyi* SALTER, 1864a, by subsequent monotypy] Lummaton, Devon, England; CHEIRURIDAE; MDEV.
- Crotalurus** VOLBORTH, 1858 [*barrandeji*] Povlovsk, Russia; DIMEROPYGIDAE; MORD [j.s.s. of *Celmus*, fide F. SCHMIDT, 1907].
- Crozonaspis** HENRY, 1968b [*struvei*] Schistes de Morgat, Bretagne, France; DALMANITIDAE; MORD.
- Crucicephalus** SHERGOLD, 1972 [*occlatus*] Gola Beds, Queensland, Australia; ?EULOMIDAE; UCAM.
- Crusoia** WALCOTT, 1924b [*cebes*] Wolsey Sh, Montana, USA; SOLENOPLEURIDAE; MCAM.

- Crusoiina** POLETAEVA in GONCHAROVA et al., 1972 [lobata] Salair, Russia; DOKIMOCEPHALIDAE; MCAM.
- Cryphacoides** DELO, 1935 [Cryphaeus rostratus KOZŁOWSKI, 1923] Sicasica Fm, Patacamaya, Bolivia; CALMONIIDAE; LDEV
- Cryphaeus** GREEN, 1837 [preocc., replaced by Greenops].
- Cryphina** OEHLERT, 1889 [andegavensis] Calcaire d'Angers, Saint-Barthélmy near Angers, Brittany, France; ACASTIDAE; LDEV.
- Cryphops** RICHTER & RICHTER, 1926 [Phacops cryptophthalmus EMMRICH, 1844] Oberscheld, Rhenish Massif, Germany; PHACOPIIDAE; UDEV [Conserved by ICZN Opinion 2006 to the exclusion of s.o.s. Gortania].
- Cryptoderaspis** RASETTI, 1946b [metisensis] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; MCAM.
- Cryptolithoides** WHITTINGTON, 1941a [ulrichi] Viola Fm, Oklahoma, USA; TRINUCLEIDAE; MORD.
- Cryptolithus** GREEN, 1832 [tessellatus] Sugar River Fm, New York, USA; TRINUCLEIDAE; UORD.
- Cryptonymus** EICHWALD, 1840 [suppressed in favour of Illaenus by ICZN opinion 508].
- Ctenocephalus** HAWLE & CORDA, 1847 [barrandei] Jince Fm, Czech Republic; CONOCORYPHIDAE; MCAM.
- Ctenopyge** LINNARSSON, 1880 [Olenus (Sphaerophthalmus) pecten SALTER, 1864b] Dolgellau Mbr, N Wales; OLENIDAE; UCAM.
- Ctenoscutellum** VANĚK, et al., 1991 [repentinum] Reporye, Czech Republic; STYGINIDAE; USIL [j.s.s. of Avascutellum, fide VANĚK & VALÍČEK, 2002].
- Cuchulain** LAMONT, 1978 [lugi] Wether Law Linn Fm, Scotland; INDET; LSIL.
- Culipagnostus** RUSCONI, 1952 [chipiquensis] Argentina; CLAVAGNOSTIDAE; MUCAM [j.s.s. of Clavagnostus, fide SHERGOLD et al., 1990].
- Culmenaspis** REPINA, 1972 [ectypica] Lenian, N Yakutia, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Cultrops** STRUVE, 1995 [Phacops (Phacops) wemeri STRUVE, 1970] Heisdorf Fm, Eifel, Germany; PHACOPIIDAE; LDEV.
- Cummingella** REED, 1942 [Phillipsia joncsii PORTLOCK, 1843] Carboniferous Lst, Tyrone, N. Ireland; PROETIDAE; MISS.
- Curiaspis** SDZUY, 1955 [notabilis] Leimitz Schiefer, Bavaria, Germany; UNCERTAIN; LORD.
- Curriella** LAMONT, 1978 [newlandensis] Newlands Fm, Scotland; ENCRINURIDAE; LSIL.
- Curuyella** ELDREDGE & BRANIŠA, 1980 [Schizostylus (Curuyella) granulata] Gamoneda Fm, Bolivia; CALMONIIDAE; LDEV.
- Curvoryctocephalus** ZHAO & YUAN in YUAN et al., 2002 [taijiangensis] Kaili Fm, Guizhou, China; ORYCTOCEPHALIDAE; MCAM.
- Cuyanaspis** RUSCONI, 1954a [?Megalaspis empozadensis RUSCONI, 1953] Mendoza, Argentina; INDET; CAM.
- Cyamella** OWENS in OWENS & HAMMANN, 1990 [Cyamops stensioei OWENS, 1979] Boda Lst, Sweden; RORRINGTONIIDAE; UORD [replacement name for Cyanops].
- Cyamops** OWENS, 1979 [preocc., replaced by Cyamella].
- Cybantyx** LANE & THOMAS in THOMAS, 1978 [anaglyptos] Much Wenlock Lst Fm, England; STYGINIDAE; LSIL.
- Cybele** LOVÉN, 1846 [Calymene? bellatula DALMAN, 1827] lower Kunda Stage, Östergötland, Sweden; ENCRINURIDAE; MORD.
- Cybelella** REED, 1928a [Zethus rex NIESZKOWSKI, 1857] Kukruse Stage, Estonia; ENCRINURIDAE; UORD [j.s.s. of Atractopyge, fide HENNINGSMOEN in MOORE, 1959].
- Cybelina** REED, 1928a [Calymene bellatula DALMAN, 1827] Östergötland, Sweden; ENCRINURIDAE; MORD [j.s.s. of Cybele, fide HENNINGSMOEN in MOORE, 1959].
- Cybeloides** SLOCUM, 1913 [iowensis] Maquoketa Fm, Iowa, USA; ENCRINURIDAE; UORD.
- Cybelopsis** POULSEN, 1927 [speciosa] Nunatami Fm, Greenland; PLIOMERIDAE; LORD.
- Cybelurus** LEVITSKY, 1962 [planus] Bugryshikhinsk Beds, Sayan Altay, Russia; ENCRINURIDAE; MORD.
- Cyclagnostus** LERMONTOVA, 1940 [elegans] Kharaulakh, Siberia, Russia; AGNOSTIDAE; UCAMB [j.s.s. of Aemarthachis, fide PALMER, 1962].
- Cyclognathina** LERMONTOVA, 1951a [microps] Boshche-Kulya, NE Kazakhstan; OLENIDAE; UCAM.
- Cyclognathus** LINNARSSON, 1875 [preocc., replaced by Acerocarina].
- Cyclolorenzella** KOBAYASHI, 1960b [Lorenzella quadrata KOBAYASHI, 1935c] Kushan Fm, South Korea; DICERATOCEPHALIDAE; MUCAM.
- Cyclolorenzellina** ERGALIEV, 1980 [conifrons] *Glyptagnostus stolidotus* Zone, Kazakhstan; DICERATOCEPHALIDAE; MUCAM [j.s.s. of Fenghuangella, fide PENG, 1987].
- Cyclopagnostus** HOWELL, 1937 [hesperius] St Albans Fm, Vermont, USA; PERONOPSIDAE; MCAM [j.s.s. of Hypagnostus, fide SHERGOLD et al., 1990].
- Cyclopyge** HAWLE & CORDA, 1847 [Egle rediviva BARRANDE, 1846a] Vinice Fm, Czech Republic; CYCLOPYGIDAE; UORD [replacement name for Egle].
- Cydonocephalus** WHITTINGTON, 1963 [griphus] Shallow Bay Fm, Newfoundland, Canada;

- CHEIRURIDAE; MORD [j.s.s. of Kawina, fide ADRAIN & FORTEY, 1997].
- Cylindraspis** SANDBERGER in SANDBERGER & SANDBERGER, 1850 [preocc., not replaced; j.s.s. of Archegonus, fide MOORE, 1959].
- Cylindrocephalus** TRENKNER, 1868 [angustus] [preocc., never replaced].
- Cyphambon** SHAW, 1962 [Antagmus gigas RASETTI, 1955] Levis Fm, Quebec, Canada; ANTAGMIDAE; MCAM.
- Cyphaspid** NOVAK, 1890 [scuticauda] Greifenstein Lst, Hessen, Germany; AULACOPLEURIDAE; LMDEV.
- Cyphaspis** BURMEISTER, 1843 [Phacops ceratophthalmus GOLDFUSS, 1843 by ICZN Opinion 1434] Gerolstein, Germany; AULACOPLEURIDAE; MDEV.
- Cyphinioides** REED, 1942 [ashfellenis] Ashfell Lst Fm, England; PROETIDAE; MISS.
- Cyphinium** WEBER, 1933 [artinskiensis] Artinskian, N Urals, Russia; PROETIDAE; LPERM [j.s.s. of Ditomopyge, fide OWENS, 1983].
- Cypholichas** PHLEGER, 1936 [Homolichas branconis POMPECKJ, 1890] erratic boulders, N Germany; LICHIDAE; UORD [j.s.s. of Conolichas, fide TRIPP in MOORE, 1959].
- Cyphoniscus** SALTER, 1853a [socialis] Chair of Kildare Lst, Ireland; ISOCOLIDAE; UORD.
- Cyphoproetus** KEGEL, 1927 [Cyphaspis depressa BARRANDE, 1846a] Liteň Fm, Czech Republic; PROETIDAE; LSIL.
- Cyranolichas** PHLEGER, 1936 [Hoplochias proboscideus DAMES, 1877] erratic boulders, N Germany; LICHIDAE; UORD [j.s.s. of Hoplochias, fide WARBURG, 1939].
- Cyrtodechenella** RICHTER & RICHTER, 1950 [Cyrtosymbole (Cyrtodechenella) cyrto] Eifel region, Germany; PROETIDAE; MDEV.
- Cyrtometopella** NIKOLAISEN, 1961 [tumula] Arnestad Fm, Norway; CHEIRURIDAE; UORD.
- Cyrtometopus** ANGELIN, 1854 [Calymene clavifrons DALMAN, 1827] Sweden; CHEIRURIDAE; LORD.
- Cyrtoproetus** REED, 1943a [Phillipsia cracoensis REED, 1899] Pendleside Lst Fm, England; PROETIDAE; MISS.
- Cyrtoprora** ÖPIK, 1967 [intricata] Georgina Lst, Queensland, Australia; DAMESELLIDAE; MUCAM.
- Cyrtosymbole** RICHTER, 1913 [Dechenella escoti KOENEN, 1886] Cabrières, France; PROETIDAE; MISS.
- Cyrtosymboloides** ALBERTI, 1967b [Proetus barrandei ROEMER, 1854] Wissenbacher Schiefer, Harz Mts, Germany; TROPIDOCORYPHIDAE; MDEV.
- Cystispina** RICHTER & RICHTER, 1939a [Phillibole? (Cystispina) cystispina] Frankenau, Hessen, Germany; PROETIDAE; MISS.
- Dactylocephalus** HSU in HSU & MA, 1948 [dactyloidea] Ichang Fm, Hubei, China; HUNGALIDAE; LORD.
- Daguinaspis** HUPÉ, 1953a [ambroggii] Amouslek, Morocco; FALLOTASPIDIDAE; LCAM.
- Dahungshania** LI et al. 1975 [misspelling of Taihungshania].
- Daihuaia** YUAN, 1988 [sinensis] Daihua Fm, Guizhou, China; PROETIDAE; UDEV.
- Dainellicauda** KOBAYASHI, 1960a [Asaphus elegantulus GORTANI, 1934] Chisil, Karakorum, Pakistan; HUNGALIDAE; MORD [j.s.s. of Asaphopoides, fide JELL & STAIT, 1985].
- Dalarnepeltis** PŘIBYL & VANĚK, 1978 [Decoroproetus campanulatus OWENS, 1973a] Boda Lst, Dalarna, Sweden; TROPIDOCORYPHIDAE; UORD.
- Dalaspis** CHATTERTON & PERRY, 1983 [Acidaspis (Dalaspis) drzymlai] Whittaker Fm, Northwest Territories, Canada; ODONTOPLEURIDAE; LSIL.
- Daldynaspis** EGOROVA & SHABANOV in EGOROVA et al., 1987 [unica] *Schistocephalus* Zone, Siberia, Russia; SOLENOPLEURIDAE; MCAM.
- Daldynia** EGOROVA in EGOROVA & SAVITSKY, 1969 [solebrosa] Daldyn Fm, Siberia, Russia; JAKUTIDAE; LCAM.
- Dalejeproetus** ŠNAJDR, 1977 [Cornuproetus (Cornuproetus) dalejensis PŘIBYL, 1971] Dvorce-Prokop Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Dalmania** EMMRICH, 1844 [preocc., replaced by Dalmanites].
- Dalmaniopsis** GEINITZ, 1862 [not a trilobite, fide RICHTER & RICHTER, 1955, Senckenbergiana Lethaea 36: 294].
- Dalmanites** BARRANDE, 1852 [Trilobus caudatus BRÜNNICH, 1781] Coalbrookdale Fm, England; DALMANITIDAE; LSIL [replacement name for Dalmania].
- Dalmanitina** REED, 1905 [Dalmanites socialis BARRANDE, 1852] Letná Fm, Czech Republic; DALMANITIDAE; UORD.
- Dalmanitoides** DELO, 1935 [Dalmanites drevermanni THOMAS, 1906] W of Jachal Valley, Argentina; DALMANITIDAE; LDEV.
- Dalmaniturus** CHERNYSHEVA, 1937 [weberi] W Mongolia; DALMANITIDAE?; LSIL.
- Damesella** WALCOTT, 1905 [blackwelderi] Changhia Fm, Shandong, China; DAMESELLIDAE; MUCAM.
- Damesops** ZHU, 1959 [convexus] Kushan Fm, Jiangsu, China; DAMESELLIDAE; UCAM.
- Damiaoaspis** QIU in QIU et al., 1983 [longispina] Hsuehuang Fm, Jiangsu, China; LORENZELLIDAE; MCAM.
- Danangouia** CHEN, 1985 [Parabadiella (Danangouia) transversa] Chiungchussu Fm, Shaanxi, China; ABADIELLIDAE; LCAM [j.s.s. of Parabadiella (=Abadiella), fide W. ZHANG et al., 1997].

- Dananzhuangaspis** LIN in QIU et al., 1983 [sinensis] Hsuehuang Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Dananzhuangia** QIU, 1980 [angustata] Manto Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM.
- Danarcus** LUDVIGSEN & TUFFNEL, 1994 [Triarthrus glaber BILLINGS, 1859] Pointe-Bleue Sh, Quebec, Canada; OLENIDAE; UORD.
- Danjiangella** YANG in YANG et al., 1991 [tenuispinosa] Xijiadian Fm, Henan, China; ZACANTHOIDIDAE; MCAM.
- Danzhaiaspis** YUAN & ZHOU in W. ZHANG et al., 1980a [quadratus] Kaili Fm, Guizhou, China; ALOKISTOCARIDAE; MCAM.
- Danzhaina** YUAN in W. ZHANG et al., 1980a [Pachyaspis (Danzhaina) lilia] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM [j.s.s. of Xingrenaspis, fide W. ZHANG & JELL, 1987].
- Danzhaisaukia** LU & QIAN in YIN & LI, 1978 [nitida] Guizhou, China; SAUKIIDAE; UCAM.
- Daopingia** LI in YIN & LI, 1978 [daopingensis] Shilengshui Fm, Guizhou, China; PROASAPHISCIDAE; MCAM.
- Dartonaspid** MILLER, 1936a [knighti] Death Canyon Lst, Wyoming, USA; ELVINIIDAE; UCAM.
- Dasometopus** RESSER, 1936 [Harpides breviceps ANGELIN, 1854] Sweden; HOLOCEPHALINIDAE; MCAM.
- Datongites** ZHU, 1960b [laoyeshanensis] Qinghai, China; SOLENOPLEURIDAE; MCAM.
- Datsonia** SHERGOLD, 1975 [Pagodia (Datsonia) subterior] Chatsworth Limestone, Queensland, Australia; PAGODIIDAE; UCAM.
- Dawsonia** HARTT in DAWSON, 1868 [dawsoni] Saint John Fm, New Brunswick, Canada; EODISCIDAE; MCAM.
- Dayinaspid** YUAN & XIANG, 1998 [dayinensis] Wangyou Fm, Guizhou, China; PROETIDAE; MISS.
- Dayongia** XIANG & JI, 1986 [longiccephala] Linxiang Fm, Hunan, China; ENCRINURIDAE; UORD.
- Daytonia** HOLLOWAY, 1981 [Dalmanites werthneri FOERSTE, 1885] Brassfield Fm, Ohio, USA; DALMANITIDAE; LSIL.
- Dazhuia** YANG & LIU in YANG et al., 1991 [dazhuensis] Baguamiao Fm, Sichuan, China; LISANIIDAE; MCAM.
- Deacybele** WHITTINGTON, 1965b [Calymene arenosa McCOY, 1846] Avoca Fm, Ireland; ENCRINURIDAE; UORD.
- Deadwoodia** RESSER, 1938c [Ptychoparia (Liostracus) panope WALCOTT, 1890c] Deadwood Fm, South Dakota, USA; DOKIMOCEPHALIDAE; UCAM [j.s.s. of Wuhuia, fide WESTROP, 1986b].
- Deanaspis** HUGHES et al., 1975 [Cryptolithus? bedinanensis DEAN, 1967] Bedinan Fm, Turkey; TRINUCLEIDAE; UORD.
- Deanocephalus** PILLET, 1992 [Apatokephalus brevifrons THORAL, 1935] St Chinian, Montagne Noire, France; REMOPLEURIDAE; LORD.
- Dechenella** KAYSER, 1880 [Phillipsia verneuili BARRANDE, 1852] Cleechovice, Czech Republic; PROETIDAE; MDEV.
- Dechenelloides** GANDL, 1968 [Proetus angustigenatus LEYH, 1897] Geigen Schiefe, W Germany; ROETIDAE; MISS.
- Dechenellurus** MAKSIMOVA in KRYSKOV et al., 1960 [ursus] River Ashiozek, NE Prebaikal, Russia; PROETIDAE; LDEV.
- Deckera** FREDERICKSON, 1949 [aldensis] Honey Ck Fm, Oklahoma, USA; DOKIMOCEPHALIDAE; UCAM.
- Declivoharpes** PŘIBYL & VANĚK, 1981b [Harpes dvorcensis praecedens PRANTL & PŘIBYL, 1954] Lochkov Fm, Czech Republic; HARPETIDAE; LDEV [j.s.s. of Bohemoharpes, fide EBACH & McNAMARA, 2002].
- Declivolithus** PŘIBYL & VANĚK, 1967 [Trinucleus alfredi ZELIZKO, 1906] Lower Rozmital Beds, Czech Republic; TRINUCLEIDAE; UORD.
- Decordinaspis** HARPER & ROMANO, 1967 [bispinosa] Knockerk Fm, Ireland; TRINUCLEIDAE; UORD.
- Decoroproetus** PŘIBYL, 1946 [Proetus decorus BARRANDE, 1846a] Liteň Fm, Czech Republic; TROPIDOCORYPHIDAE; LSIL.
- Decoroscutellum** ŠNAJDR, 1960 [Brontecus haidingeri BARRANDE, 1846a] Kopanina Fm, Czech Republic; STYGINIDAE; USIL.
- Decus** PEGEL, 1981 [arduus] Tankhaisk Fm, Siberia, Russia; ACROCEPHALITIDAE; MCAM.
- Degamella** MAREK, 1961 [Aeglina princeps BARRANDE, 1872] Dobrotivá Fm, Czech Republic; CYCLOPYGIDAE; MORD.
- Deinoproetus** ZHOU, SIVETER & OWENS, 2000 [leoninus] Yikewusu Fm, Inner Mongolia, China; PROETIDAE; MDEV.
- Deiocoryphe** misspelling of Leiocoryphe in MOORE, 1959.
- Deiphon** BARRANDE, 1850 [forbesi] Liteň Fm, Czech Republic; CHEIRURIDAE; LSIL.
- Dciracephalus** RESSER, 1935 [Acrocephalites? aster WALCOTT, 1916a] Conasauga Fm, Alabama, USA; LLANOASPIDIDAE; UCAM.
- Deiradonyx** ÖPIK, 1982 [barklyensis] Alexandria Beds, Northern Territory, Australia; DOLICHOMETOPIDAE; MCAM.
- Deissella** HOWELL & DUNCAN, 1939 [Ptychoparia convexa HOWELL, 1937] St Albans Fm, Vermont, USA; MENOMONIIDAE; MCAM [j.s.s. of Bolaspidella, fide ROBISON, 1964].
- Dekalymene** CURTIS & LANE, 1998 [Diacalymene crassa SHIRLEY, 1936] Haverford Mdst Fm, England; CALYMENIDAE; LSIL.
- Delagnostus** ÖPIK, 1961 [dilemma] Devoncourt Lst, Queensland, Australia; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Delamarella** EDDY & McCOLLUM, 1998 [preocc., replaced by Delamarina].

- Delamarina** EDDY & McCOLLUM, 1999 [Delamarella brevispinaspis EDDY & McCOLLUM, 1998] Pioche Sh, Nevada, USA; ZACANTHOIDIDAE; MCAM [replacement name for Delamarella].
- Delaria** WELLER, 1944 [Anisopyge? antiqua GIRTY, 1908] Bone Spring Lst, Texas, USA; PROETIDAE; PERM.
- Delgadella** WALCOTT, 1912a [Lingulepis lusitanica DELGADO, 1904] Spain; HEBEDISCIDAE; LCAM.
- Delgadodiscus** KOBAYASHI, 1935c [Microdiscus caudatus DELGADO, 1904] Vila Boim, Portugal; HEBEDISCIDAE; LCAM [j.s.s. of Delgadella, fide JELL, 1997].
- Delgadoia** VOGDES, 1917 [Microdiscus caudatus DELGADO, 1904] Vila Boim, Portugal; HEBEDISCIDAE; LCAM [j.s.s. of Delgadella, fide JELL, 1997].
- Delgadoa** THADEAU, 1947 [loredensis] Loreda, Portugal; STYGINIDAE; UORD.
- Delinghaspis** LIN & ZHANG in ZHU et al., 1979 [qinghaiensis] Lower Olonbulag Fm, Qinghai, China; ORDOSIIDAE; MCAM.
- Dellea** WILSON, 1949 [wilbernsensis] Wilberns Fm, Texas, USA; DOKIMOCEPHALIDAE; UCAM.
- Delleana** IVSHIN, 1962 [lediformis] Seletinsky Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Delocare** STRUVE, 1958b [Cryphacus boopis RICHTER, 1909] Stadtfeld-Schichten, Ober-Stadtfeld, Eifel, Germany; ACASTIDAE; LDEV.
- Deloites** DESTOMBES, 1972 [Eudolites (Deloites) maederensis] Ktaoua Fm, Morocco; DALMANITIDAE; UORD.
- Deloops** LIEBERMAN & KLOC, 1997 [Greenops haasi MORZADEC, 1983] Kergavan Fm, Brittany, France; ACASTIDAE; MDEV.
- Delops** RICKARDS, 1964 [Phacops obtusicaudatus SALTER, 1849] Middle Coldwell Beds, England; DALMANITIDAE; USIL.
- Deltacare** HARRINGTON & LEANZA, 1957 [prosops] Angosto Fm, Salta, NW Argentina; UNCERTAIN; LORD.
- Deltacephalaspis** ELDREDGE & BRANIŠA, 1980 [coinis] Gamoneda Fm, Bolivia; CALMONIIDAE; LDEV.
- Deltadechenella** ORMISTON, 1967 [bathurstensis] Blue Fiord Fm, Nunavut, Canada; PROETIDAE; MDEV.
- Deltadiscus** KOBAYASHI, 1943a [Microdiscus punctatus precursor MATTHEW, 1886] St Martin's, New Brunswick, Canada; EODISCIDAE; MCAM [j.s.s. of Eodiscus, fide JELL, 1997].
- Deltina** SUNDBERG, 1994 [limba] Trailer Lst, Utah, USA; PTYCHOPARIIDAE; MCAM.
- Deltocephalus** OGIENKO, 1969 [orientalis] Ichersk Fm, S Siberia, Russia; PROASAPHISCIDAE; MCAM.
- Deltophthalmus** RESSER, 1938b [halli] Maryville Fm, Tennessee, USA; MENOMONIIDAE; MCAM.
- Demeterops** PŘIBYL & VANĚK, in PŘIBYL et al., 1985b [Pilekia? loclla DEMETER, 1973] Fillmore Fm, Utah, USA; PILEKIIDAE; LORD.
- Denagnostus** JAGO, 1987 [corbetti] Denison Ra, SW Tasmania, Australia; DIPLAGNOSTIDAE; UCAM.
- Denaspis** REPINA in ZADOROZHNYA et al., 1973 [compta] Sanashtykgol Horizon, Siberia, Russia; SOLENOPLEURIDAE; MCAM.
- Denckmannia** WEDEKIND, 1911 [preocc., replaced by Denckmannites].
- Denckmannites** WEDEKIND, 1914 [Phacops volborthi BARRANDE, 1852] Kopanina Fm, Czech Republic; PHACOPIDAE; USIL.
- Denella** LUDVIGSEN & CHATTERTON, 1982 [cumera] Whittaker Fm, Northwest Territories, Canada; PTERYGOMETOPIDAE; UORD.
- Denemarkia** PŘIBYL, 1946 [Proetus frontalis HAWLE & CORDA, 1847] Koneprusy Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Denisia** CLARK, 1924 [preocc., replaced by Theodenisia].
- Densocephalus** E.V. ROMANENKO in ROMANENKO et al., 1967 [exactus] Suyaryksk Fm, Gorny Altay, Russia; DINESIDAE; MCAM.
- Densonella** SHAW, 1952 [Millardia semele WALCOTT, 1916a] Weeks Fm, Utah, USA; MENOMONIIDAE; UCAM [replacement name for Millardia; j.s.s. of Menomonia, fide PRATT, 1992].
- Dentaloscutellum** CHATTERTON, 1971 [hudsoni] Taemas Fm, New South Wales, Australia; STYGINIDAE; LDEV.
- Dereimsia** KOZLOWSKI, 1923 [Phacops (Dereimsia) sphaericeps] Padilla, Bolivia; CALMONIIDAE; LDEV [j.s.s. of Bouleia, fide ELDREDGE, 1972].
- Dcrikaspis** DEAN, 1982 [toluni] Sosink Fm, SE Turkey; PROASAPHISCIDAE; MCAM.
- Desmetia** WALCOTT, 1925 [Ptychoparia ? annectans WALCOTT, 1884a] Goodwin Fm, Nevada, USA; OLENIDAE; LORD.
- Desmus** RAW, 1908 [cobboldi] Shineton Sh Fm, England; INDET; LORD.
- Despujolsia** NELTNER & POCTEY, 1949 [rochi] ?Amouslek Fm, Morocco; SAUKIANDIDAE; LCAM.
- Destombesina** MORZADEC, 1997 [ougartensis] Teferguenit Fm, Algeria; ACASTIDAE; LDEV.
- Destombesites** ŠNAJDR, 1987b [Dalmania dubia BARRANDE, 1946a] Zahořany Fm, Czech Republic; DALMANITIDAE; UORD.
- Deucalion** SHCHEGLOV, 1827 [brongniartii] Baltoscandian region; ILLAENIDAE; ORD [nomen dubium and j.s.s. of Illaenus, fide JAANUSSON, 1954].

- Devonodontochoile** ŠNAJDR, 1985a [Dalmanites maccoyi BARRANDE, 1852] Zlichov Lst, Czech Republic; DALMANITIDAE; LDEV [j.s.s. of Zlichovaspis, fide VANĚK & VALÍČEK, 2002].
- Devonoproetus** LÜTKE, 1990 [Proetus (Proetus) talenti CHATTERTON, 1971] Taemas Fm, New South Wales, Australia; PROETIDAE; LDEV [j.s.s. of Proetus, fide ADRAIN, 1997].
- Diabole** GRÖNING, 1985 [Liobole (Diabole) pala] Harz Mts, Germany; PROETIDAE; MISS.
- Diacalymene** KEGEL, 1927 [Calymene diademata BARRANDE, 1846a] Liteň Fm, Czech Republic; CALYMENIDAE; LSIL.
- Diacanthaspis** WHITTINGTON, 1941b [cooperi] Martinsburg Fm, Virginia, USA; ODONTOPLEURIDAE; UORD.
- Diacoryphe** RICHTER & RICHTER, 1951b [pfeifferi] Gattendorfia-Stufe, Thuringia, Germany; PROETIDAE; MISS.
- Diademaproctus** ALBERTI, 1964 [Proetus holzapfeli NOVÁK, 1890] Gunteroder Lst, Wildungen, Germany; TROPIDOCORYPHIDAE; UDEV.
- Diandongaspidella** YUAN in YUAN et al., 1997 [Chittidilla (Diandongaspis) diandongensis LU & ZHANG in W.ZHANG et al., 1980a] Douposi Fm, Yunnan, China; AGRAULIDAE; MCAM [replacement name for Diandongaspis; j.s.s. of Chittidilla, fide JELL & HUGHES, 1997].
- Diandongaspis** LU & ZHANG in W. ZHANG et al., 1980a [preocc. replaced by Diandongaspidella].
- Dianops** RICHTER & RICHTER, 1923 [Phacops limbatus RICHTER, 1848] Saalfeld, Thuringia, Germany; PHACOPIDAE; UDEV.
- Diaoyaspis** YIN in YIN & LI, 1978 [guiyangensis] Shilengshui Fm, Guizhou, China; ALOKISTOCARIDAE; MCAM.
- Diaphanometopus** SCHMIDT, 1881 [volborthi] Oeland Series, Pavlovsk, Russia; DIAPHANOMETOPIDAE; MORD.
- Diatemus** RAYMOND, 1937 [miculus] Gorge Fm, Vermont, USA; OLENIDAE; UCAM [j.s.s. of Bienvillia, fide RASETTI, 1944].
- Dicanthopyge** PALMER, 1965 [quadrata] Dunderberg Fm, Nevada, USA; APHELASPIDIDAE; UCAM.
- Diceratocephalina** MAKSIMOVA, 1962 [miranda] Ustkutsk Stage, River Ilgi, Siberian Platform, Russia; ACROCEPHALITIDAE; UCAM.
- Diceratocephalus** LU, 1954b [armatus] Kushan Fm, Liaoning, China; DICERATOCEPHALIDAE; UCAM.
- Diceratopyge** TROEDSSON, 1937 [mobergi] Tor-suqtagh Fm, Xinjiang, China; CERATOPYGIDAE; UCAM.
- Dicerodiscus** W. ZHANG, 1964a [tsunyiensis] Tsanglangpu Fm, Guizhou, China; HEBEDISCIDAE; LCAM.
- Dichagnostus** JAEKEL, 1909 [j.o.s. of Pleuroctenium].
- Dichelepyge** HARRINGTON & LEANZA, 1952 [pascuali] Saladillo Fm, Salta, Argentina; CERATOPYGIDAE; LORD.
- Dicranactis** HAWLE & CORDA, 1847 [Bronteus gigas] Suchomasty Lst, Czech Republic; STYGINIDAE; MDEV [s.s.s. of Scabriscutellum, fide ŠNAJDR, 1983b; see NOTE 9].
- Dicranognus** HAWLE & CORDA, 1847 [pustulatus] Budnany Lst, Czech Republic; LICHIDAE; USIL.
- Dicranopeltis** HAWLE & CORDA, 1847 [Lichas scabra BEYRICH, 1845] Liteň Fm, Czech Republic; LICHIDAE; LSIL.
- Dicranopeltoides** PHLEGER, 1936 [Lichas decipiens WINCHELL & MARCY, 1865] "Niagaran Ist", Illinois, USA; LICHIDAE; LSIL [j.s.s. of Dicranopeltis, fide TRIPP, 1957].
- Dicranurus** CONRAD, 1841 [Acidaspis hamata HALL, 1859b] New Scotland Lst, New York, USA; ODONTOPLEURIDAE; LDEV.
- Dictya** KOBAYASHI, 1933a [preocc. replaced by Dictyites].
- Dictyella** KOBAYASHI, 1933a [wuhuensis] Fengshan Fm, Liaoning, China; TSINANIIDAE; UCAM.
- Dictyites** KOBAYASHI, 1936b [Illaenus dictys WALCOTT, 1905] Changshan Fm, Shandong, China; TSINANIIDAE; UCAM [replacement name for Dictya; j.s.s. of Tsinania, fide W. ZHANG & JELL, 1987].
- Dictyocephalites** BERGERON, 1895 [villebruni] 'f' level (shales and siltstones with Asaphellina barroisi), Montagne Noire, France; HARPIDIDAE; LORD.
- Didrepanon** LANE, 1971 [falcatum] Sedgley, England; CHEIRURIDAE; USIL.
- Didwudina** IVSHIN, 1962 [strigosa] Seletinsky Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Diemanosaukia** JAGO in JAGO & CORBETT, 1990 [miserabilis] Misery Hill, Tasmania, Australia; SAUKIIDAE; UCAM.
- Dienstina** RICHTER & RICHTER, 1931 [Phacopidella diensti RICHTER & RICHTER, 1923] Oberscheld, Rhenish Massif, Germany; PHACOPIDAE; LDEV.
- Digniceps** HAJRULLINA in REPINA et al., 1975 [recta] *Digniceps* Zone, Mayaian, Turkestan; PROASAPHISCIDAE; MCAM.
- Dignagnostus** HAJRULLINA in REPINA et al., 1975 [grandis] Sulyukty region, N slopes of Turkestan Range, Uzbekistan; AGNOSTINA FAMILY UNCERTAIN.
- Digonus** GÜRICH, 1909 [Homalonotus gigas ROEMER, 1843] Kahleberg Sst, Harz Mts, Germany; HOMALONOTIDAE; LDEV.
- Digrypos** KOBAYASHI, 1940c [Dionide hybrida REED, 1915] Hwe Maung Beds, Burma; DIONIDIDAE; MORD.
- Dikella** ROZOVA in ROZOVA et al., 1985 [truncata] Maslyaninsk Horizon, NW Salair, Russia; HUNGAIIDAE; LORD.
- Dikelocephalioides** QIAN, 1994 [tunus] Changshan Fm, Henan, China; PTEROCEPHALIIDAE; UCAM.

- Dikelocephalites** SUN, 1935 [flabelliformis] Changshan Fm, Hebei, China; PTEROCEPHALIIDAE; UCAM.
- Dikelocephalopsis** POLETAEVA in LOMOVIT-SKAYA, 1955 [amzassensis] River Amzas, Gorny Shoria, S Siberia, Russia; HUNGAIIDAE; LORD.
- Dikelocephalus** OWEN, 1852 [minnesotensis] Saint Lawrence Fm, Minnesota, USA; DIKELOCEPHALIDAE; UCAM.
- Dikelocephalina** BRÖGGER, 1896 [Centropleura?] dicraura ANGELIN, 1854] Bjørkasholmen Fm, Norway; HUNGAIIDAE; LORD.
- Dikelus** ROZOVA in ROZOVA et al., 1985 [convexus] Maslyaninsk Horizon, NW Salair, Russia; HUNGAIIDAE; LORD.
- Dilatalimbus** OGIENKO, 1991 [Kassinus gratus EGOROVA & SHABANOV, 1987] Udachninsk Fm, SE Siberia, Russia; ANOMOCARIDAE; MCAM.
- Dilataspis** FEDYANINA in REPINA et al., 1999 [pustulata] Usa Fm, Kuznetsk Alatau, Russia; DINESIDAE; LCAM.
- Dimastocephalus** STUBBLEFIELD, 1950a [killaryensis] Leenane Grits, Ireland; TELEPHINIDAE; LORD [j.s.s. of Carolinites, fide STUBBLEFIELD, 1950b].
- Dimeropyge** ÖPIK, 1937 [minuta] Kukruse Stage, Estonia; DIMEROPYGIDAE; UORD [replacement name for Haploconus].
- Dimeropygiella** ROSS, 1951 [caudanodosa] Garden City Fm, Idaho, USA; DIMEROPYGIDAE; LORD.
- Dindymene** HAWLE & CORDA, 1847 [Friderici Augusti] Králův Dvůr Fm, Czech Republic; ENCRINURIDAE; UORD.
- Dindymenella** LU in LU et al., 1976 [sulcata] Ninglang, Yunnan, China; ENCRINURIDAE; UORD [j.s.s. of Oedicybele, fide FORTEY, 1997].
- Dinesus** ETHERIDGE, 1896 [ida] Knowsley East Fm, Victoria, Australia; DINESIDAE; MCAM.
- Dingxiangaspis** Q.Z. ZHANG in QIU et al., 1983 [longispina] Qingkang Fm, Anhui, China; PTEROCEPHALIIDAE; UCAM.
- Dione** BARRANDE, 1846a [preocc., replaced by Dionide].
- Dionide** BARRANDE, 1847 [Dione formosa BARRANDE, 1846a] Vinice Fm, Czech Republic; DIONIDIDAE; UORD [replacement name for Dione].
- Dionideina** ŠNAJDR, 1981a [Dionide prima KLOUČEK, 1916] Šárka Fm, Czech Republic; DIONIDIDAE; MORD.
- Dionidella** PRANTL & PŘIBYL, 1949c [incisa] Šárka Fm, Czech Republic; DIONIDIDAE; MORD.
- Dionidepyga** ŠNAJDR, 1981a [Dionide jubata RAYMOND, 1925] Dobrotivá Fm, Czech Republic; DIONIDIDAE; MORD [j.s.s. of Dionide, fide FORTEY & OWENS, 1987].
- Dipentaspis** ÖPIK, 1967 [dipentaspis] Steamboat Sst, Queensland, Australia; DAMESELLIDAE; UCAM.
- Dipharangus** HOLLOWAY, 1980 [Lepidoproetus (Dipharangus) xco] St Clair Lst, Arkansas, USA; TROPIDOCORYPHIDAE; LSIL.
- Dipharus** CLARK, 1923a [insperatus] Massachusetts, USA; indet. juvenile?; LCAM. [possibly s.s.s. of Hebediscus, fide SHAW, 1950].
- Diplagnostus** JAEKEL, 1909 [Agnostus planicauda ANGELIN, 1851] Andrarum Lst, Sweden; DIPLAGNOSTIDAE; MCAM.
- Diplapatokephalus** RAYMOND, 1937 [Dicelloccephalus finalis WALCOTT, 1884a] Pogonip Group, Nevada, USA; REMOPLEURIDIDAE; LORD.
- Dipleura** GREEN, 1832 [dekayi] Hamilton Group, New York, USA; HOMALONOTIDAE; MDEV.
- Dipleuropyge** LERMONTOVA, 1951a [striata] Boshche-Kulya, NE Kazakhstan; CERATOPYGIDAE; UCAM.
- Diploichas** PHLEGER, 1936 [Lichas maureri NOVAK, 1890] Bicken, Rhenish Massif, Germany; LICHIDAE; LDEV [j.s.s. of Radiolichas, fide THOMAS & HOLLOWAY, 1988].
- Diplopsites** RAFINESQUE, 1832 [levis] [see NOTE 2].
- Diplorrhina** HAWLE & CORDA, 1847 [triplicata] Jince Fm, Czech Republic; METAGNOSTIDAE; MCAM.
- Diplozyga** RAYMOND, 1937 [striata] Highgate Fm, Vermont, USA; INDET; LORD.
- Dipyrgotes** ÖPIK, 1967 [novella] O'Hara Sh, Queensland, Australia; DAMESELLIDAE; UCAM.
- Discagnostus** ÖPIK, 1963 [spectator] O'Hara Sh, Queensland, Australia; UNCERTAIN; UCAM.
- Discomesites** ÖPIK, 1975b [fragum] Cymbric Vale Fm, New South Wales, Australia; EODISCIDAE; CAM. [j.s.s. of Pagetides, fide JELL, 1997].
- Dislobosaspis** YIN et al., 2000 [Remopleurides guizhouensis YIN in YIN & LI, 1978] Pagoda Fm, Guizhou, China; REMOPLEURIDIDAE; UORD.
- Disagnostus** SHERGOLD, 1972 [ergodcs] Gola Beds, Queensland, Australia; AGNOSTIDAE; UCAM.
- Distazeris** RAYMOND, 1937 [acuta] Rockledge Cgte, Vermont, USA; CATILLICEPHALIDAE; UCAM.
- Distyrax** LANE, 1988 [peeli] Odins Fjord Fm, N Greenland; ENCRINURIDAE; LSIL.
- Ditomopyge** NEWELL, 1931 [Phillipsia (Griffithides) scitulus MEEK & WORTHEN, 1865] "Upper Coal Measures", Illinois, USA; PROETIDAE; PENN.
- Dividuagnostus** KOROLEVA, 1982 [minus] Maytas Mts, NE Kazakhstan; METAGNOSTIDAE; UORD.
- Dixiphopyge** BREZINSKI, 1988a [Brachymetopus armatus VOGDES, 1891] Chouteau Fm, Missouri, USA; AULACOPLEURIDAE; MISS.

- Dnestrovites** BALASHOVA, 1968 [podolicus] Podol'ye, Ukraine; ENCRINURIDAE; USIL.
- Dohmiella** LÜTKE, 1990 [Proctus (Euproctus) dohmi RICHTER & RICHTER, 1918] Junkerberg Fm, Gerolstein, Eifel, Germany; PROETIDAE; MDEV [j.s.s. of Gerastos, fide ADRAIN, 1997]
- Dokimocephalus** WALCOTT, 1924b [Ptychoparia? pcrnasutus WALCOTT, 1884a] Nevada, USA; DOKIMOCEPHALIDAE; UCAM.
- Dolerasaphus** HARRINGTON & LEANZA, 1957 [laevis] Quebrada del Barrcal, Rosario de Lerma, Salta, Argentina; ASAPHIDAE; LORD [j.s.s. of Paramegalaspis, fide JAANUSSON in MOORE, 1959].
- Dolerobasilicus** HARRINGTON & LEANZA, 1942 [Basilicus yokusensis KOBAYASHI, 1934a] Chikunsan Beds, South Korea; ASAPHIDAE; MORD [replacement name for Basilicoides MA; j.s.s. of Basilicus, fide ZHOU & FORTEY, 1986].
- Dolerolenus** LEANZA, 1949 [Olenus zoppii MENEGHINI, 1881] Nebida Fm, Sardinia, Italy; DOLEROLENIDAE; LCAM [replacement name for Olenopsis].
- Dolerolichia** SDZUY, 1962 [pretiosa] Doberlug, Germany; SAUKLANDIDAE; LCAM.
- Dolgaia** WALCOTT & RESSER, 1925 [megalops] Gribovii Fjord, Novaya Zemlya, Russia; ASAPHISCIDAE; UCAM [j.s.s. of Kaninia, fide CHERNYSHEVA, 1960a].
- Dolgaicella** SIVOV, 1940 [minuta] Gornoshorskaia Fm, Sayan Altay, Russia; UNCERTAIN; UCAM.
- Dolgculoma** ROZOVA, 1963 [dolganensis] Khantaisky Horizon, Siberia, Russia; EULOMIDAE; UCAM.
- Dolichagnostus** POKROVSKAYA, 1958 [admirabilis] *Anomocarioides limbataformis* Zone, Siberia, Russia; DIPLAGNOSTIDAE; MCAM.
- Dolichoharpes** WHITTINGTON, 1949b [Eoharpes uniserialis RAYMOND, 1925] Kinmswick Fm, Missouri, USA; HARPETIDAE; MORD.
- Dolicholeptus** ÖPIK, 1982 [ansatus] V Creek Lst, Queensland, Australia; DOLICHOMETOPIDAE; MCAM.
- Dolichometopsis** POULSEN, 1927 [rcsscri] Cape Kent Fm, NW Greenland; DOLICHOMETOPIDAE; LCAM.
- Dolichometopus** ANGELIN, 1854 [svccicus] Andrarum Lst, Sweden; DOLICHOMETOPIDAE; MCAM.
- Domina** GOROVCEVA in GOROVCEVA & SEMENOVA, 1977 [baikitica] Kimaisk Horizon, Siberia, Russia; BATHYURIDAE; LORD [preocc., not replaced; j.s.s. of Lienocephala, fide FORTEY, pers. comm.].
- Donggouia** LIN & ZHANG in ZHU et al., 1979 [megaspina] Liudaogou Fm, Qinghai, China; KAOLISHANIIDAE; UCAM.
- Dongshania** LIN in QIU et al., 1983 [triangularis] Dongshan Section, Anhui, China; REDLICHIDAE; LCAM [j.s.s. of Redlichia, fide W. ZHANG et al., 1997].
- Doremataspis** ÖPIK, 1967 [ornata] O'Hara Sh, Queensland, Australia; LIOSTRACINIDAE; MUCAM.
- Doryagnostus** KOBAYASHI, 1939a [Agnostus incertus BRÖGGER, 1878] Krekling, Norway; DORYAGNOSTIDAE; MCAM.
- Dorypygaspis** HAJRULLINA, 1973 [bifida] Mayaian, Turkestan Ranges, Uzbekistan; DORYPYGIDAE; MCAM.
- Dorypyge** DAMES, 1883 [richthofeni] Changhia Fm, Liaoning, China; DORYPYGIDAE; MCAM.
- Dorypygella** WALCOTT, 1905 [typicalis] Changhia Fm, Shandong, China; DAMESELLIDAE; MUCAM [j.s.s. of Teinistion, fide WALCOTT, 1913].
- Dorypygina** LERMONTOVA, 1940 [delicatula] *Par. forchhammeri* Zone, Kuznetsk Basin, Russia; DORYPYGIDAE; MCAM.
- Dorypygoides** OGIENKO, 1991 [clavatus] Udachninsk Fm, SE Siberia, Russia; DORYPYGIDAE; MCAM.
- Doublatia** WASS & BANKS, 1971 [inflata] Branxton Fm, New South Wales, Australia; PROETIDAE; LPERM.
- Douposiella** LU & ZHANG in LU et al., 1974a [douposiensis] Douposi Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Drabia** WILSON, 1951 [acroceppita] Gatesburg Fm, Pennsylvania, USA; PHYLLACTERIDAE; UCAM.
- Drepanopyge** LU, 1961 [mirabilis] Tsanglangpu Fm, Yunnan, China; YINITIDAE; LCAM.
- Drepanura** BERGERON, 1899 [premesnili] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.
- Drepanuroides** W. ZHANG, 1966 [latilimbata] Tsanglangpu Fm, Yunnan, China; YINITIDAE; LCAM.
- Dresbachia** WALCOTT, 1916a [amata] Eau Claire Lst, Wisconsin, USA; MENOMONIIDAE; UCAM.
- Drevermannia** RICHTER, 1913 [schmidti] 'Cyp-ridinen Sh', Wuppertal, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Dreyfussina** HUPÉ in CHOUBERT et al., 1956 [Dalmania exophthalma DREYFUSS, 1948] Glauzy Fm, Montagne Noire, France; DALMANITIDAE; UORD.
- Drotops** STRUVE, 1990 [megalomanicus] Maïder, SE Morocco; PHACOPIIDAE; MDEV.
- Drozdoviella** KOROBOV, 1989 [laevis] Khairkansky Fm, W Mongolia; DOLICHOMETOPIDAE; LCAM.
- Drumaspis** RESSER, 1942b [walcotti] St Charles Fm, Idaho, USA; ELVINIIDAE; UCAM.
- Drummuckaspis** PRANTL & PRIBYL, 1949a [Acidaspis (Ceratocephala) discreta REED, 1935] South Threave Fm, Scotland; ODONTOPLEURIDAE; UORD. [j.s.s. of Proceratocephala, fide WHITTINGTON, 1956b].
- Duamsannella** KIM, 1980 [hwanhaensis] Myongwolri Fm, North Korea; DAMESELLIDAE; MCAM.

- Dubhglasina** LAMONT, 1948 [aldonsensis] Superstes Fm, Scotland; HARPETIDAE; UORD.
- Dubovikites** BALASHOVA, 1976 [dubovikus] Duboviki Fm, St Petersburg region, Russia; ASAPHIDAE; MORD.
- Ductina** RICHTER & RICHTER, 1931 [Phacopidella ductifrons RICHTER & RICHTER, 1923] Langenaubach, Rhenish Massif, Germany; PHACOPIDAE; UDEV.
- Dudleyaspis** PRANTL & PŘIBYL, 1949a [Acidaspis quinquespinosa LAKE, 1896] Much Wenlock Lst Fm, England; ODONTOPLEURIDAE; LSIL.
- Dudu** HAHN & HAHN, 1985 [blodgetti] lower Permian lst, Alaska; PROETIDAE; LPERM.
- Dufresnoyiproetus** PILLET, 1969a [Proetus dufresnoyi HAWLE & CORDA, 1847] Suchomasty Lst, Czech Republic; TROPIDOCORYPHIDAE; MDEV [j.s.s. of Eremiproetus, fide VANĚK & VALÍČEK, 2002].
- Duftonia** DEAN, 1959 [lacunosa] Dufton Sh Fm, England; DALMANITIDAE; UORD.
- Duibianaspis** LU & LIN, 1984 [typicalis] Siyangshan Fm, Zhejiang, China; IDAHOIIDAE; UCAM.
- Dulanaspis** CHUGAEVA, 1956 [levis] Anderken Fm, Chu-Ili Mts, Kazakhstan; STYGINIDAE; MORD.
- Dunderbergella** HOWELL, 1945 [typicalis] Kittatinny Fm, New Jersey, USA; ASAPHISCIDAE; UCAM.
- Dunderbergia** WALCOTT, 1924b [Crepicephalus (Loganellus) nitidus HALL & WHITFIELD, 1877] Dunderberg Fm, Nevada, USA; ELVINIIDAE; UCAM.
- Dunopyge** STRUVE in BECKER & JENSEN, 1998 [Cryphaeus drevermanni RICHTER, 1909] Stadtfeld-Schichten, Nieder-Stadtfeld, Eifel, Germany; ACASTIDAE; LDEV.
- Duodingia** ZHOU in LU et al., 1974b [Hunanocephalus (Duodingia) duodingensis] Guizhou, China; ORYCTOCEPHALIDAE; LCAM.
- Duplora** SHERGOLD, 1972 [clara] Gola Beds, Queensland, Australia; ?EULOMIDAE; UCAM.
- Durinia** ROBISON, 1988 [granulosa] Holm Dal Fm, Greenland; LONCHOCEPHALIDAE; MCAM.
- Dushania** YIN, 1978 [Cyrtosymbole (Dushania) dushanensis] Yanguan Fm, Guizhou, China; PROETIDAE; MISS.
- Duyunaspis** ZHANG & QIAN in ZHOU et al., 1977 [duyunensis] Palang Fm, Hunan, China; ORYCTOCEPHALIDAE; LCAM.
- Duyunia** QIAN, 1961 [Kootenia (Duyunia) constrictus] Chingshuitang Lst, Guizhou, China; DORYPYGIDAE; LCAM.
- Dysplanus** BURMEISTER, 1843 [Asaphus (Illaenus) centrotus DALMAN, 1827] Holen Fm, Östergötland, Sweden; ILLAENIDAE; MORD.
- Dytremacephalus** PALMER, 1955 [granulosus] Riley Fm, Texas, USA; ELVINIIDAE; UCAM.
- Ebenzeria** MARCOU, 1888 [unnecessary replacement name for and thus j.o.s. of Elliptocephala].
- Eccaparadoxides** ŠNAJDR, 1957b [Paradoxides pusillus BARRANDE, 1846a] Jince Fm, Czech Republic; PARADOXIDIDAE; MCAM [j.s.s. of Phanoptes, submission to ICZN for suppression pending].
- Eccoptochile** HAWLE & CORDA, 1847 [Cheirus claviger BEYRICH, 1845] Letná Fm, Czech Republic; CHEIRURIDAE; UORD.
- Eccoptochiloides** PRANTL & PŘIBYL, 1947c [Cheirus tumescens BARRANDE, 1852] Vinice Fm, Czech Republic; CHEIRURIDAE; UORD.
- Echidnops** SANDFORD, 2002 [wrighti] Humevale Fm, Victoria, Australia; PHACOPIDAE; EDEV.
- Echinolichas** GÜRICH, 1901 [Lichas eriopis HALL, 1863b] Onondaga Fm, New York, USA; LICHIDAE; MDEV.
- Echinophacops** ZHOU, 1983 [mirabilis] Zhusileng Fm, Inner Mongolia, China; PHACOPIDAE; LDEV.
- Echinopyge** HAAS, 1968 [cathamma] Kurtdogmus Fm, Turkey; ACASTIDAE; LDEV.
- Ectenaspis** RAYMOND, 1920 [Megalaspis beckeri SLOCUM, 1913] Maquoketa Fm, Iowa, USA; ASAPHIDAE; UORD.
- Ectenonotus** RAYMOND, 1920 [Amphion westoni BILLINGS, 1865] Mystic Cgte, Quebec, Canada; PLIOMERIDAE; MORD.
- Ectillaenus** SALTER, 1867 [Illaenus? perovalis MURCHISON, 1839] Hope Sh Fm, England; ILLAENIDAE; MORD.
- Edelsteinaspis** LERMONTOVA, 1940 [ornatus] Kuznetsk Alatau, Russia; EDELSTEINASPIDIDAE; LCAM.
- Edgcombeaspis** ADRAIN & RAMSKÖLD, 1997 [johansonae] Cape Phillips Fm, Nunavut, Canada; ODONTOPLEURIDAE; LSIL.
- Edgellia** SHAW in SHAW & STUBBLEFIELD, 1950 [j.o.s. of Trinucleus].
- Edithiella** KURTZ, 1975 [missouriensis] Davis Fm, Missouri, USA; ?ASAPHISCIDAE; UCAM.
- Edmundsonia** COOPER, 1953 [typa] Athens Sh, Virginia, USA; RAPHIOPHORIDAE; UORD.
- Effnaspis** DEAN, 1972 [[Isbergia virginica COOPER, 1953] Effna Fm, Virginia, USA; ISOCOLIDAE; UORD.
- Effops** HAHN & HAHN, 2002 [Pseudosilesiops (Effops) tethys] Balvian, Effenberg near Arnsberg, Westphalia, Germany; PROETIDAE; MISS.
- Egle** BARRANDE, 1846a [preocc., replaced by Cyclopyge].
- Egyngolia** KOROBOV, 1980 [lata] Atdabanian, W Mongolia; YUKONIIDAE; LCAM.
- Ehmania** RESSER, 1935 [weedi] Meagher Lst, Wyoming, USA; ALOKISTOCARIDAE; MCAM.
- Ehmaniella** RESSER, 1937b [Crepicephalus (Loganellus) quadrans HALL & WHITFIELD, 1877] Ophir Fm, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Eiffelaspis** W. ZHANG, 1963 [Kochiella? maxeyi RASETTI, 1951] Mount Whyte Fm, British

- Columbia, Canada; *PTYCHOPARIIDAE*; MCAM [j.s.s. of *Kochiella*, fide SUNDBERG & McCOLLUM, 2002].
- Eifliarges** RICHTER & RICHTER, 1917 [*Lichas* (*Eifliarges*) *caudimirus*] Upper Calceola Beds, Eifel, Germany; *LICHIDAE*; MDEV.
- Eilidh** LAMONT, 1975 [*macgregori*] Leny Lst, Scotland; INDET.; LCAM.
- Eilura** RESSER & ENDO 1937 [typa] Changhia Fm, Liaoning, China; *SOLENOPLURIDAE*; MCAM.
- Eirelithus** LAMONT, 1941 [*Trinucleus thersites* SALTER, 1853a] Tramore Lst, Ireland; *TRINUCLEIDAE*; UORD.
- Ejinaspis** LU, ZHOU & ZHOU, 1986 [*mirabilis*] Inner Mongolia, China; *SOLENOPLURIDAE*; UCAM.
- Ejinoproetus** ZHOU, SIVETER & OWENS, 2000 [*leprosus*] Yikewusu Fm, Inner Mongolia, China; *PROETIDAE*; MDEV.
- Ekeraspis** TJERNVIK, 1956 [*Mcgistaspis* (*Ekeraspis*) *armata*] Latorp Fm, Västergötland, Sweden; *ASAPHIDAE*; LORD.
- Ekwanoscutellum** PŘIBYL & VANĚK, 1971b [*Bronteus ekwanaspis* WHITEAVES, 1904] Attawapiskat Fm, Ontario, Canada; *STYGINIDAE*; LSIL.
- Ekwapagetic** FRITZ, 1973 [*plicofimbria*] Sekwi Fm, North West Territories, Canada; *YUKONIIDAE*; LCAM.
- Elandaspis** EGOROVA in EGOROVA & ROMANENKO, 1982 [*parva*] Elandinsk Horizon, Gorny Altay, Russia; *ANOMOCARIDAE*; MCAM.
- Elankaspis** EGOROVA in EGOROVA et al., 1976 [*abrosa*] Elansk Fm, Siberia, Russia; *AGRAULIDAE*; MCAM.
- Elaphraella** LU & QIAN, 1983a [*microforma*] Changshan Fm, Shandong, China; *SHUMARDIIDAE*; UCAM.
- Elasmaspis** KRAMARENKO, 1957 [*speciosa*] Dzheron Fm, Siberia, Russia; *PTERYGOMETOPIDAE*; UORD.
- Elatelimbus** REPINA, 1960 [*gammatu*] Upper Kizirsk Fm, SW Siberia, Russia; *ACROCEPHALITIDAE*; MCAM.
- Elatius** ORLOWSKI, 1985 [*integer*] Ocieseki Sst, Poland; *ELLIPSOCEPHALIDAE*; LCAM [j.s.s. of *Kingaspoides*, fide GEYER, 1990].
- Elbaspis** BALDIS & BLASCO, 1973 [*pintadensis*] Mendoza, Argentina; *ODONTOPLURIDAE*; MUORD [possibly j.s.s. of *Miraspis*, fide RAMSKÖLD, 1991b].
- Elburgia** PALMER, 1960 [*Crepicephalus* (*Loganellus*) *granulosus* HALL & WHITFIELD, 1877] Dunderberg Fm, Nevada, USA; *ELVINIIDAE*; UCAM.
- Eldoradia** RESSER, 1935 [*Ptychoparia?* *linnarssoni* WALCOTT, 1884a] Eldorado Fm, Nevada, USA; *BOLASPIDIDAE*; MCAM.
- Eldredgeia** LIEBERMAN, 1993 [*Metacryphaeus venustus* WOLFART, 1968] Sicastica Fm, Bolivia; *CALMONIIDAE*; MDEV.
- Eldredgeops** STRUVE, 1990 [*Phacops rana* var. *milleri* STEWART, 1927] Silica Fm, Michigan, USA; *PHACOPIDAE*; MDEV.
- Eleganolimba** POKROVSKAYA, 1959 [*fibrata*] Shangansky Fm, Tuva, Russia; *ALDONAIIDAE*; LCAM [j.s.s. of *Tuvanella*, fide JELL, herein].
- Elegantaspis** IVSHIN, 1962 [*elegantula*] Seletinsky Horizon, Kazakhstan; *APHELASPIDIDAE*; UCAM.
- Elegenodechenella** LI, 1988b [*conica*] Yanmaba Fm, Sichuan, China; *PROETIDAE*; LDEV.
- Elegestina** POKROVSKAYA, 1959 [*antiqua*] Shangansky Fm, Tuva, Russia; *CHENGKOUASPIDIDAE*; LCAM.
- Elutheroentrus** CLARK, 1935 [*petersoni*] Swan Peak Fm, Utah, USA; *BATHYURIDAE*; MORD.
- Elganellus** SUVOROVA, 1958 [*probus*] Elgyan Fm, Siberia, Russia; *REDLICHIIDAE*; LCAM.
- Ellicicola** JELL in BENGTON et al., 1990 [*calva*] Parara Lst, South Australia; *YUNNANOCEPHALIDAE*; LCAM.
- Elimaproetus** CURTIS & LANE, 1997 [*diabolicus*] Hughley Sh Fm, England; *PROETIDAE*; LSIL.
- Elkanaspis** LUDVIGSEN, 1982 [*futile*] Rabbitkettle Fm, Northwest Territories, Canada; *REMOPLURIDIDAE*; UCAM [j.s.s. of *Pseudokainella*, fide JELL, 1985].
- Elkia** WALCOTT, 1924b [*Dicellocephalus nasutus* WALCOTT, 1884a] Secret Canyon Sh, Nevada, USA; *DIKELOCEPHALIDAE*; UCAM.
- Ellesides** LAMONT, 1975 [*altaterra*] Leny Lst, Scotland; INDET.; LCAM.
- Ellipsocephaloides** KOBAYASHI, 1935c [*Ellipsocephalus curtus* WHITFIELD, 1878] Lone Rock Fm, Wisconsin, USA; *ELLIPSOCEPHALOIDIDAE*; UCAM.
- Ellipsocephalus** ZENKER, 1833 [*Ellipsocephalus* [*sic*] *ambiguus*] Jince Fm, Czech Republic; *ELLIPSOCEPHALIDAE*; MCAM.
- Ellipsoecoryphe** LU, 1975 [*elliptica*] Meitan Fm, Sichuan, China; *CHEIRURIDAE*; MORD [j.s.s. of *Hemisphaerocoryphe* (= *Sphaerocoryphe*), fide et al., 1985b].
- Ellipsostrenua** KAUTSKY, 1945 [*gripi*] Lappland, Sweden; *ELLIPSOCEPHALIDAE*; LCAM.
- Ellipsotaphrus** WHITTARD, 1952 [*Aeglina monophthalmus* KLOUČEK, 1916] Dobrotivá Fm, Czech Republic; *CYCLOPYGIDAE*; MORD.
- Elliptocephala** EMMONS, 1844 [*asaphoides*] *Elliptocephala asaphoides* Faunule, New York, USA; *IOLMIIDAE*; LCAM.
- Elliptophillipsia** HESSLER, 1963 [*Proetus ellipticus* MEEK & WORTHEN, 1865] Chouteau Lst, Illinois, USA; *PROETIDAE*; MISS.
- Ellotia** GATEHOUSE, 1968 [*dimota*] Tindall Lst, Northern Territory, Australia; *PTYCHOPARIIDAE*; MCAM [j.s.s. of *Gunnia*, fide KRUSE, 1990].

- Ellsaspis** RASETTI, 1945b [elliptica] Quebec Group, Quebec, Canada; RAPHIOPHORIDAE; LORD.
- Elongatanileus** JI, 1986 [convexus] Pagoda Fm, Hubci, China; NILEIDAE; UORD.
- Elrathia** WALCOTT, 1924b [Conocoryphe (Conocephalites) kingi MEEK, 1870] Wheeler Fm, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Elrathiella** POULSEN, 1927 [obscura] Pemican R Fm, Greenland; ALOKISTOCARIDAE; MCAM.
- Elrathina** RESSER, 1937b [Conocephalites cordillerae ROMINGER, 1887] Stephen Fm, British Columbia, Canada; PTYCHOPARIIDAE; MCAM [j.s.s. of Ptychoparella, fide BLAKER & PEEL, 1997].
- Elsarella** EDGECOMBE & RAMSKÖLD, 1996 [Encrinurus rotundus MÄNNIL, 1977] Ohne Fm, Estonia; ENCRINURIDAE; LSIL.
- Elvinaspis** F. ERGALIEV in ERGALIEV & ERGALIEV, 2001 [explicatus] Zhumabaisk Fm, Kazakhstan; ELVINIIDAE; UCAM.
- Elvinia** WALCOTT, 1924b [Dikelocephalus roemeri SHUMARD, 1861] Wilberns Fm, Texas, USA; ELVINIIDAE; UCAM.
- Elviniella** PALMER, 1960 [laevis] Dunderberg Fm, Nevada, USA; ELVINIIDAE; UCAM.
- Elvinoidea** IVSHIN, 1962 [elviniformis] Seletinsky Horizon, Kazakhstan; ELVINIIDAE; UCAM.
- Elviraspis** IVSHIN, 1962 [elviri] Seletinsky Horizon, Kazakhstan; IDAHOIIDAE; UCAM.
- Elyaspis** KURTZ, 1975 [missouriensis] Davis Fm, Missouri, USA; ELVINIIDAE; UCAM.
- Elyx** ANGELIN, 1854 [Eryx laticeps ANGELIN, 1851] Sweden; CONOCORYPHIDAE; MCAM [replacement name for Eryx].
- Emanuelaspis** LAURIE in LAURIE & SHERGOLD, 1996 [Ogygiocaris teichertii LEGG, 1976] Emanuel Fm, Western Australia; ASAPHIDAE; LORD.
- Emanuelina** LAURIE in LAURIE & SHERGOLD, 1996 [Emanuelaspis (Emanuelina) peculiaris] Emanuel Fm, Western Australia; ASAPHIDAE; LORD.
- Embolimus** ROMINGER, 1887 [preocc., replaced by Zacanthoides].
- Emeidiseus** LI, 1980 [planilimbatus] Chiulaotung Fm, Sichuan, China; TSUNYIDISCIDAE; LCAM [j.s.s. of Tsunyidiscus, fide JELL, 1997].
- Emmrichella** WALCOTT, 1911 [Ptychoparia theano WALCOTT, 1905] Changhia Fm, Shandong, China; ASAPHISCIDAE; MCAM [j.s.s. of Lioparia, fide W. ZHANG, 1985].
- Emmrichops** MAREK, 1961 [planicephalus] Dobrotivá Fm, Czech Republic; CYCLOPYGIDAE; UORD.
- Emsurella** ROZOVA, 1960a [humila] Tolstochikhin Fm, Salair, Russia; CHEILOCEPHALIDAE; UCAM.
- Emsurina** SIVOV in EGOROVA et al., 1955 [sibirica] Tolstochikhin Fm, Salair, Russia; PILEKIIDAE; UCAM.
- Emuella** POCOCK, 1970 [polymera] White Point Cgte, South Australia; EMUPELLIDAE; LCAM.
- Enammocephalus** REPINA in REPINA et al., 1964 [nodosus] Aldanian, Kuznetsk Alatau, Russia; PALAEOLENIDAE; LCAM.
- Enantiaspis** RASETTI, 1972 [Ptychoparia enantiopa BORNEMANN, 1891] Nebida Fm, Sardinia, Italy; METADOXIDIDAE; LCAM.
- Encrinuraspis** WEBBY et al., 1970 [optimus] Malongulli Fm, New South Wales, Australia; ENCRINURIDAE; UORD [j.s.s. of Cromus, fide STRUSZ, 1980].
- Encrinurella** REED, 1915 [Pliomera insangensis REED, 1906b] Naungkangyi Beds, Burma; PLIOMERIDAE; MORD.
- Encrinuroidea** REED, 1931a [Cybele sexcostata SALTER in PHILLIPS & SALTER, 1848] Shole-shook Lst, Wales; ENCRINURIDAE; UORD.
- Encrinurus** EMMRICH, 1844 [Entomostracites punctatus WAHLENBERG, 1821] Högkint and Slite Fm, Gotland, Sweden; ENCRINURIDAE; LSIL.
- Endoaspis** LOCHMAN, 1956a [Wutingia rectangulosa ENDO, 1935] Wuting Fm, Liaoning, China; LEIOSTEGIIDAE; LORD [replacement name for Wutingia; j.s.s. of Annamitella, fide ROSS & INGHAM, 1970].
- Endoerania** KOBAYASHI, 1956 [Hystricurus convexus ENDO, 1935] Toufangian, Liaoning, China; LEIOSTEGIIDAE; MORD [j.s.s. of Leiostegium, fide ZHOU & FORTEY, 1986].
- Endogramma** HAWLE & CORDA, 1847 [salmii] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Endops** KOIZUMI, 1972 [Paladin yanagisawai ENDO & MATSUMOTO, 1962] *Yabeina* Zone, Fukushima, Japan; PROETIDAE; UPERM.
- Endymion** BILLINGS, 1862 [preocc., replaced by Endymionia].
- Endymionia** BILLINGS, 1865 [Endymion meeki BILLINGS, 1862] Levis Fm, Quebec, Canada; RAPHIOPHORIDAE; MORD [replacement name for Endymion].
- Enctagnostus** WHITEHOUSE, 1936 [humilis] Devoncourt Lst, Queensland, Australia; DIPLAGNOSTIDAE; MCAM [j.s.s. of Diplagnostus, fide SHERGOLD et al., 1990].
- Enneacnemis** HAWLE & CORDA, 1847 [lyelli] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Enodiproetus** PŘIBYL, 1970 [Proetus enodis MAKSIMOVA, 1955] Oldondo River, Siberia, Russia; PROETIDAE; LSIL [j.s.s. of Astroproetus, fide OWENS, 1973b].
- Enontioura** RESSER, 1942b [typicalis] Mendha Lst, Nevada, USA; PLETHOPELTIDAE; UCAM [j.s.s. of Plethometopus, fide LOCHMAN, 1953a].

- Ensecoryphe** BASSE, 1997 [puschi] Cheirurus Lst, Kellerwald, Germany; PROETIDAE; MDEV.
- Enshia** ZHU in LU et al., 1974b [typica] Hubei, China; ELVINIIDAE; UCAM.
- Entomaspis** ULRICH in BRIDGE, 1931 [radiatus] Eminence Dol, Missouri, USA; HARPETIDAE; UCAM.
- Entomolithus** LINNAEUS, 1745 [suppressed in favour of Paradoxides].
- Entomotrachites** WAHLENBERG, 1821 [suppressed in favour of Paradoxides].
- Entorachis** KOBAYASHI, 1955a [Anomocare alcinoe WALCOTT, 1905] Changhia Fm, Shandong, China; ANOMOCARELLIDAE; MCAM [j.s.s. of Anomocarella, fide W. ZHANG & JELL, 1987].
- Entsyna** ROZOVA, 1968 [entsynica] Entsy Horizon, NW Siberia, Russia; UNCERTAIN; UCAM.
- Eoacidaspis** POLETAEVA in CHERNYSHEVA et al., 1956 [salairica] Salair, Russia; LICHAKEPHALIDAE; MCAM.
- Eoagnostus** RESSER & HOWELL, 1938 [roddyj] Kinzers Sh, Pennsylvania, USA; PERONOPSIDAE; LCAM.
- Eoampyx** SIVOV, 1940 [nasutus] Salair Fm, Salair, Russia; UNCERTAIN; UCAM.
- Eoanomocarella** J. ZHANG & WANG, 1985 [jinnanensis] Changhia Fm, Shanxi, China; ANOMOCARELLIDAE; MCAM.
- Eoapatokcephalus** ROZOVA, 1983 [Apatokcephalus nyaicus ROZOVA, 1968] Nyaisk Horizon, NW Siberia, Russia; REMOPLEURIDIDAE; LORD.
- Eoasaphiscellus** JELL, nov. [transversus] Guizhou, China; PROASAPHISCIDAE; MCAM [replacement name for Eoasaphiscus LU & YUAN in LI, 1978].
- Eoasaphiscus** HAJRULLINA, 1973 [asiaticus] Mayan, Turkestan Ranges, Uzbekistan; ASAPHISCIDAE; MCAM.
- Eoasaphiscus** LU & YUAN in LI, 1978 [preocc., replaced by Eoasaphiscellus].
- Eoasaphus** KOBAYASHI, 1936d [Liostracus? superstes LINNARSSON, 1875] *Orusia lenticularis* Zone, Sweden; ASAPHIDAE; UCAM [s.o.s. of Anorina].
- Eobronteus** REED, 1928b [Entomotrachites laticauda WAHLENBERG, 1821] Boda Lst, Dalarne, Sweden; STYGINIDAE; UORD.
- Eocatuniella** EGOROVA in EGOROVA & SAVITSKY, 1969 [resupina] Amgaian, Siberia, Russia; ANOMOCARIDAE; MCAM.
- Eoceraurus** ESKER, 1964 [Ceraurus (Eoceraurus) trapezoidalis] Bromide Fm, Oklahoma, USA; CHEIRURIDAE; MORD [j.s.s. of Ceraurus, fide LANE, 1971].
- Eochatiania** YUAN & YIN, 1998 [Chatiania (Eochatiania) laevigata] Chefu Fm, Guizhou, China; CORYNEXOCHIDAE; UCAM.
- Eocheirurus** ROZOVA, 1960a [salairicus] Tolstochikhin Fm, Salair, Russia; UNCERTAIN; UCAM.
- Eochuangia** KOBAYASHI, 1935c [hana] Machari Fm, South Korea; LEIOSTEGIIDAE; CAM.
- Eocorycephalus** REED, 1925 [j.o.s. of Synphoria].
- Eocorynexochus** KOROBEINIKOVA, 1965 [Corynexochus? convexus TOMASHPOLSKAYA in KOROBEINIKOVA, 1965] Obruchevski Horizon, E Sayan, Russia; CORYNEXOCHIDAE; LCAM.
- Eocryphops** RICHTER & RICHTER, 1931 [Phacops kayseri HERRMANN, 1911] Hermershuasen Lst, Hessen, Germany; PHACOPIDAE; MDEV.
- Eoetenopyge** HENNINGSMOEN, 1957 [Sphaerophthalmus flagellifer ANGELIN, 1854] Andrarum, Sweden; OLENIDAE; UCAM.
- Eocypinium** REED, 1942 [clitheroense] Worston Sh Group, England; PROETIDAE; MISS.
- Eocyrtyssymbole** PILLET, 1973a [magnifica] Angers Lst, Bretagne, France; PROETIDAE; LDEV.
- Eodaguinaspis** HUPÉ, 1953 [abadiei] Amouslek Fm, Morocco; FALLOTASPIDIDAE; LCAM [j.s.s. of Daguinaspis, fide GEYER, 1996].
- Eodalmanitina** HENRY, 1964 [Calymene macrophthalma BRONGNIART, 1822] Schistes à Calymènes, Loire-Atlantique, France; DALMANITIDAE; MORD.
- Eodamesella** J. ZHANG & LIU, 1986 [yinshanensis] Changhia Fm, Inner Mongolia, China; DAMESELLIDAE; MCAM [j.s.s. of Damesella, fide W.T. ZHANG, pers. comm.].
- Eodindymene** KIELAN, 1960 [Dindymene pulchra OLIN, 1906] Trctaspis Sh, Scania, Sweden; ENCRINURIDAE; UORD.
- Eodiscus** HARTT in WALCOTT, 1884b [pulchellus] New Brunswick, Canada; EODISCIDAE; MCAM.
- Eodontopleura** QIAN & LIN in YIN & LI, 1978 [primitiva] Balang Fm, Guizhou, China; ?AMGASPIDIDAE; LCAM.
- Eodouposiella** YUAN & ZHAO in YUAN et al., 2002 [rara] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Eodrevermannia** PŘIBYL, 1946 [Drevermannia (Eodrevermannia) bouskaj] Dvorce-Prokop Lst, Czech Republic; PROETIDAE; LDEV.
- Eofallotaspis** SDZUY, 1978 [tioutensis] Igoudine Fm, Morocco; FALLOTASPIDIDAE; LCAM.
- Eoharpes** RAYMOND, 1905b [Harpes primus BARRANDE, 1872] Sárká Fm, Czech Republic; HARPETIDAE; MORD.
- Eohomalonotus** REED, 1918 [Asaphus brongniarti DESLONGCHAMPS, 1825] May Fm, Normandy, France; HOMALONOTIDAE; MORD [replacement name for Brongniartia SALTER].
- Eoinouyia** LUO, 1974 [dayakuensis] Dayakou Fm, Yunnan, China; INOUYIIDAE; MCAM.
- Eoisotelus** WANG, 1938 [orientalis] Beianzhuang Fm, Hebei, China; ASAPHIDAE; LORD.
- Eokaninia** POLETAEVA, 1967 [Kaniniella alata SIVOV in EGOROVA et al., 1955] Salair Fm, Salair, Russia; ASAPHISCIDAE; MCAM [replacement name for Kaniniella SIVOV].

- Eokaolishania** WITTKÉ, 1984 [constricta] Mila Fm, Iran; KAOLISHANIIDAE; UCAM.
- Eokaotaia** YUAN & ZHAO, 1994 [gedongensis] Kaili Fm, Guizhou, China; ALOKISTOCARIDAE; MCAM.
- Eokochaspis** SUNDBERG & McCOLLUM, 2000 [nodosa] Pioche Fm, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Eokosovopeltis** PŘIBYL & VANĚK, 1971b [Bronteus romanovskii WEBER, 1948] Kazakhstan; STYGINIDAE; UORD.
- Eoleonaspis** SHENG, 1974a [Acidaspis shanensis REED, 1915] Panghsapye Beds, Burma; ODONTOPLEURIDAE; UORD/LSIL.
- Eolotagnostus** ZHOU in ZHOU et al., 1982 [gansuensis] Ermogou Fm, Gansu, China; AGNOSTIDAE; UCAM.
- Eomalungia** LI, 1978 [latilimbata] Chiungchussu Fm, Sichuan, China; ESTAINGIIDAE; LCAM.
- Eomanusuya** J. ZHANG & WANG, 1985 [lingchuanensis] Kushan Fm, Shanxi, China; KAOLISHANIIDAE; UCAM.
- Eometopus** HAHN & HAHN, 1996 [Brachymetopus uralicus maximowae HAHN & HAHN, 1982] Mugodshar Mts, Kazakhstan; BRACHYMETOPIDAE; MISS.
- Eomicrophillipsia** YUAN, 1996 [Microphillipsia (Eomicrophillipsia) cylindrica] Huashiban Fm, Guizhou, China; PROETIDAE; PENN.
- Eomonorachus** DELO, 1935 [Dalmanites intermedius WALCOTT, 1877] Decorah Fm, Minnesota, USA; PTERYGOMETOPIDAE; MORD.
- Eopagatia** KOBAYASHI, 1943a [Microdiscus significans ETHERIDGE, 1902] Sandover Beds, Northern Territory, Australia; EODISCIDAE; MCAM [j.s.s. of Pagatia, fide JELL, 1975].
- Eopalpebralia** ALBERTI, 1981a [Drevermannia (Palpebralia?) hermanni RICHTER & RICHTER, 1943] *Nowakia holynensis* Zone, Tiliouine, central Morocco; PROETIDAE; LDEV.
- Eoparadoxides** SOLOVIEV, 1969 [Paradoxides harlani GREEN, 1834] Braintree Fm, Massachusetts; PARADOXIDIDAE; MCAM [j.s.s. of Acadoparadoxides, fide DEAN & RUSHTON, 1997].
- Eophacops** DELO, 1935 [Phacops handwerki WELLER, 1907] Racine Dol, Lemont, Illinois, USA; PHACOPIDAE; LSIL.
- Eopharostoma** NAN, 1985a [caperata] Huangbanjishan Fm, Heilongjiang, China; PHAROSTOMATIDAE; LORD.
- Eopiriproetus** ALBERTI, 1966 [Cornuproetus (Eopiriproetus) grossi] "Tentaculiten-Kalk der 'Bayrischen Fazies", Schübelberg, Germany; TRÓPIDOCORYPHIDAE; LDEV.
- Eoproetus** J. ZHANG & WANG, 1983 [luliangshanensis] Changhia Fm, Shanxi, China; ASAPHISCIDAE; MCAM.
- Eops** RICHTER & RICHTER, 1940 [eo] Alanis Sh, Spain; SAUKIANDIDAE; LCAM.
- Eoptychaspis** NELSON, 1951 [cylindricus] Franconia Fm, Minnesota, USA; PTYCHASPIDIDAE; UCAM.
- Eoptychoparia** RASETTI, 1955 [normalis] Levis Fm, Quebec, Canada; PTYCHOPARIIDAE; LCAM [j.s.s. of Ptychoparella, fide BLAKER & PEEL, 1997].
- Eoredlichia** ZHANG in LU & DONG, 1952 [Redlichia intermediata LU, 1940] Chiungchussu Fm, Yunnan, China; REDLICHIIDAE; LCAM.
- Eorobergia** COOPER, 1953 [Robergia marginalis RAYMOND, 1925] Lenoir Lst, Tennessee, USA; REMOPLEURIDIDAE; UORD.
- Eoryctocephalus** ZHAO & YUAN in YUAN et al., 2002 [Oryctocephalus (Eoryctocephalus) sinicus] Kaili Fm, Guizhou, China; ORYCTOCEPHALIDAE; MCAM.
- Eosaukia** LU, 1954a [latilimbata] Sandu Fm, Guizhou, China; SAUKIIDAE; UCAM.
- Eoscutellum** MAKSIMOVA, 1978a [Scutellum michnevitchi MAKSIMOVA, 1968] Kokbaital Horizon, central Kazakhstan; STYGINIDAE; LDEV.
- Eoshengia** YANG in ZHOU et al., 1977 [quadrata] Laochatian Fm, Guizhou, China; LISANIIDAE; UCAM [type species here designated because subquadrata was not erected in original publication].
- Eoshumardia** HUPÉ, 1953 [Shumardia orientalis MANSUY, 1916] Fengshanian, North Vietnam; SHUMARDIIDAE; UCAM.
- Eosoproetus** ZHOU, SIVETER & OWENS, 2000 [zhengi] Yikewusu Fm, Inner Mongolia, China; PROETIDAE; MDEV.
- Eosoptychoparia** W. ZHANG, 1963 [Ptychoparia kochibei WALCOTT, 1911] Changhia Fm, Liaoning, China; PTYCHOPARIIDAE; MCAM.
- Eosoptychopyge** T. ZHANG, 1981 [xinjiangensis] Dawangou Fm, Xinjiang, China; ASAPHIDAE; MORD [j.s.s. of Zhenganites, fide ZHOU et al., 1998a].
- Eospencia** CHERNYSHEVA, 1961 [amgensis] Khomustakh Fm, Siberia, Russia; PTYCHOPARIIDAE; LCAM.
- Eotaitzuia** ZHANG & YUAN in W. ZHANG et al., 1980b [shuiyuensis] Hsuehuang Fm, Shanxi, China; WUANIIDAE; MCAM.
- Eotingocephalus** QIAN, 1994 [nodus] Changshan Fm, Liaoning, China; KAOLISHANIIDAE; UCAM.
- Eotrinucleus** ZHOU & ZHANG, 1978 [solus] Yehli Fm, Hebei, China; HARPETIDAE; LORD.
- Eowinterbergia** YUAN & XIANG, 1998 [Winterbergia (Eowinterbergia) transversa] Wangyou Fm, Guizhou, China; PROETIDAE; MISS.
- Eowuhua** J. ZHANG & WANG, 1983 [hejinensis] Changhia Fm, Shanxi, China; PTYCHASPIDIDAE; UCAM.
- Eoyosimuraspis** QIAN, 1985b [truncatus] *Yosimuraspis* Zone, Jilin, China; REMOPLEURIDIDAE; LORD [j.s.s. of Yosimuraspis, fide PENG, 1990].

- Eozacanthoides** QIU, 1980 [spectabilis] Manto Fm, Jiangsu, China; ZACANTHOIDIDAE; MCAM.
- Epidaguinaspis** HUPÉ, 1953a [angusta] Amouslek Fm, Morocco; FALLOTASPIDIDAE; LCAM [j.s.s. of Daguinaspis, fide GEYER, 1996].
- Epumeria** RUSCONI, 1958b [lata] El Totoral, Mendoza, Argentina; INDET; MCAM.
- Erbenaspis** ALBERTI, 1966 [Eodrevermannia (Erbenaspis) arabica] Rechoua Lst, NW Morocco; PROETIDAE; LDEV.
- Erbenia** WITTKÉ, 1984 [abundans] Mila Fm, Iran; ASAPHISCIDAE; MUCAM.
- Erbenicoryphe** FEIST & CLARKSON, 1989 [parvula] Coumiac Fm, Pic de Bissous, France; TROPIDOCORYPHIDAE; UDEV.
- Erbenites** PŘIBYL, 1964 [Proetus fallax BARRANDE, 1846b] Acanthopyge Lst, Czech Republic; PROETIDAE; MDEV.
- Erbenochile** ALBERTI, 1981a [Odontochile (Erbenochile) erbeni] SW de l'Erg Djemel, Algeria; ACASTIDAE; LDEV.
- Erbia** LERMONTOVA, 1940 [Cyphaspis sibirica SCHMIDT, 1886a] Perekhod Fm, Siberia, Russia; DINESIDAE; MCAM.
- Erbiella** FEDYANINA, 1962 [elegansia] Mrassk Fm, Gorny Shoria, S Siberia, Russia; DINESIDAE; LCAM.
- Erbina** POKROVSKAYA, 1959 [rara] Shangansky Fm, Tuva, Russia; DINESIDAE; LCAM.
- Erbiopsidella** POKROVSKAYA, 1959 [convexa] Shangansky Fm, Tuva, Russia; DINESIDAE; LCAM.
- Erbiopsis** LERMONTOVA, 1940 [grandis] Lenian, Kuznetsk Alatau, SW Siberia, Russia; DINESIDAE; LCAM.
- Erdelia** LOMOVITSKAYA in KHALFIN, 1960 [Maja subsulcata LOMOVITSKAYA, 1955] Alginsk Fm, Gorny Shoria, Russia; ASAPHIDAE; LORD [replacement name for Maja].
- Erdoradites** IVSHIN, 1962 [trapeziformis] Seletinsky Horizon, Kazakhstan; ALOKISTOCARIDAE; UCAM.
- Erediaspis** ÖPIK, 1967 [eretes] Mungerebar Lst, Queensland, Australia; TRICREPICEPHALIDAE; UCAM.
- Eremiproetus** RICHTER & RICHTER, 1919 [Proetus cremita BARRANDE, 1852] Acanthopyge Lst, Czech Republic; TROPIDOCORYPHIDAE; MDEV.
- Erinnys** SALTER in HICKS, 1872 [preocc., replaced by Salterja, then Menevia, then Meneviella].
- Erixanium** ÖPIK, 1963 [sentum] Georgina Lst, Queensland, Australia; APHELASPIDIDAE; UCAM.
- Erkelina** LAZARENKO, 1962 [scita] Pastakh Fm, N Siberia, Russia; NAMANOIIDAE; LCAM.
- Ermanella** MAKSIMOVA, 1955 [unicornis] Kri-volutski Stage, River Lena, Siberian Platform, Russia; BATHYURIDAE; MORD.
- Erratencrinurus** KRUEGER, 1972 [Erratencrinurus capricornu KRUEGER, 1971 (see MORRIS, 1988)] glacial erratics, N Germany; ENCRINURIDAE; UORD.
- Erratobalticus** BUCHHOLZ, 1997a [pommeranus] glacial boulder, N Germany; DOLICHOMETOPIDAE; MCAM.
- Erratojincella** RUDOLPH, 1994 [Calymene brachymetopa ANGELIN, 1851] Andrarum, Sweden; SOLENOPLEURIDAE; MCAM.
- Eryx** ANGELIN, 1851 [preocc. replaced by Elyx].
- Erzishania** ZHU & QIAN in ZHANG et al., 1980a [latigenata] Tienheban Fm, Sichuan, China; ANTAGMIDAE; LCAM.
- Eshelmania** WILSON, 1951 [snoburgensis] Gatesburg Fm, Pennsylvania, USA; DOKIMOCEPHALIDAE; UCAM [j.s.s. of Dellea, fide GRANT, 1965].
- Eskaspis** CLARKSON et al., 1977 [Eophacops sufferta LAMONT, 1948b] PHACOPIDAE; LSIL [j.s.s. of Acernaspis, fide HOWELLS, 1982].
- Esmeraldina** RESSER & HOWELL, 1938 [Holmia rowei WALCOTT, 1910] Silver Peak Group, Nevada, USA; HOLMIIDAE; LCAM [j.s.s. of Holmia, fide GEYER & PALMER, 1995].
- Esseigania** KOBAYASHI, 1943b [tollii] Esseigan River, Siberia, Russia; TSINANIIDAE; UCAM.
- Estaingia** POCOCK, 1964 [bilobata] Emu Bay Sh, South Australia; ESTANGIIDAE; LCAM [see NOTE 6].
- Estoniites** BALASHOVA, 1976 [Pseudoasaphus tecticaudatus STEINHARDT var. laurssoni ÖPIK, 1927] Kukruse Stage, Estonia; ASAPHIDAE; UORD.
- Estoniops** MÄNNIL, 1958a [Acaste exilis EICHWALD, 1858] Kukruse Stage, Estonia; PTERYGOMETOPIDAE; UORD.
- Eteraspis** RESSER, 1935 [Ptychoparia laeviceps WALCOTT, 1884a] Eldorado Fm, Nevada, USA; ASAPHISCIDAE; MCAM.
- Etheridgaspis** KOBAYASHI, 1940b [Ptychoparia? carolinensis ETHERIDGE, 1919] Caroline Creek Sst, Tasmania, Australia; HYSTRICURIDAE; LORD.
- Euagnostus** WHITEHOUSE, 1936 [opimus] Currant Bush Lst, Queensland, Australia; PERONOPSIDAE; MCAM [j.s.s. of Peronopsis, fide ROBISON in JELL & ROBISON, 1978].
- Euarges** GÜRICH, 1901 [Lichas haueri BARRANDE, 1846a] Koneprusy Lst, Czech Republic; LICHIDAE; LDEV [j.s.s. of Acanthopyge, fide THOMAS & HOLLOWAY, 1988].
- Euarthricocephalus** JU, 1983 [Arthricocephalus (Euarthricocephalus) laterilobatus] Dechenling Fm, Zhejiang, China; ORYCTOCEPHALIDAE; LCAM.
- Eucalymene** LU, 1975 [quadrata] Dawan Fm, Hubei, China; LEIOSTEGIIDAE; MORD [j.s.s. of Pseudocalymene, fide PILLET, 1976].
- Eudechenella** RICHTER, 1912 [j.o.s. of Dechenella].
- Eudolatites** DELO, 1935 [Dalmanites angelini BARRANDE, 1852] Bohdalee Fm, Czech Republic; DALMANITIDAE; UORD.

- Euduplora** ZHOU & ZHANG, 1985 [ambigua] *Mictosaukia* Zone, Shanxi, China; EULOMIDAE; UCAM.
- Eugonocare** WHITEHOUSE, 1939 [tessellatum] Georgina Lst, Queensland, Australia; APHEL-ASPIDIDAE; UCAM.
- Eujinnania** QIU in QIU et al., 1983 [huaibeiensis] Hsuehuang Fm, Anhui, China; LORENZELLIDAE; MCAM.
- Euleiostegium** ZHOU & ZHANG, 1978 [Leiostegium (*Euleiostegium*) latilimbatum] Yehli Fm, Hebei, China; LEIOSTEGIIDAE; LORD.
- Euloma** ANGELIN, 1854 [laev] Hunneberg Group, Östergötland, Sweden; EULOMIDAE; LORD.
- Eulomella** KOBAYASHI, 1955b [mckayensis] McKay Group, British Columbia, Canada; UNCERTAIN; LORD.
- Eulomina** RUZICKA, 1931 [*Euloma* mitratum RUZICKA, 1926] Tréncice Fm, Czech Republic; BATHYCHEILIDAE; LORD.
- Euonchonotina** LU et al., 1986 [lepida] Inner Mongolia, China; OLENIDAE; UCAM.
- Euplethagnostus** LERMONTOVA, 1940 [subangulatus] Kuznetsk Alatau, Siberia, Russia; DIPLAGNOSTIDAE; UCAM [j.s.s. of *Pseudorhaptagnostus*, fide NIELSEN, 1997].
- Euproetus** RICHTER, 1913 [j.o.s. of *Proetus*].
- Euptychaspis** ULRICH in BRIDGE, 1931 [typicalis] Eminence Dol, Missouri, USA; PTYCHASPIDIDAE; UCAM.
- Eureka** WALCOTT, 1924b [*Ptychoparia* (*Euloma*?) dissimilis WALCOTT, 1884a] Windfall Fm, Nevada, USA; EUREKIIDAE; UCAM.
- Eurodeois** ÖPIK, 1982 [*Dolichometopus deois* WALCOTT, 1905] Changhia Fm, Shandong, China; DOLICHOMETOPIDAE; MCAM [j.s.s. of *Amphoton*, fide W. ZHANG & JELL, 1987].
- Eurostina** WHITEHOUSE, 1939 [trigona] Wonarah Beds, Northern Territory, Australia; PTYCHOPARIIDAE; MCAM.
- Eurudagnostus** LERMONTOVA, 1951a [grandis] Boshche-Kulya, NE Kazakhstan; AGNOSTIDAE; UCAM [j.s.s. of *Oncagnostus*, fide SHERGOLD et al., 1990].
- Eurycare** ANGELIN, 1854 [brevicauda] Andrarum, Sweden; OLENIDAE; UCAM.
- Eurymetopus** POSTLETHWAITE & GOODCHILD, 1886 [harrisoni] Skiddaw Slates, England; NILEIDAE; LORD [j.s.s. of *Iliaenopsis*, fide WHITTARD, 1961b].
- Eutrimeroccephalus** GORTANI, 1907 [j.o.s. of *Trimeroccephalus*].
- Evagena** HAHN & BRAUCKMANN, 1989 [evae] Kieselige Übergangs-Schichten, Wuppertal, Rhenish Massif, Germany; PROETIDAE; MISS.
- Evansaspis** KOBAYASHI, 1955b [glabrum] McKay Group, British Columbia, Canada; LEIOSTEGIDAE; LORD.
- Evenkaspis** KRAMARENKO, 1952 [*Phacops* (*Mono-rakos*) sibiricus SCHMIDT, 1886a] Mangazeisk Stage, Tungus River, Siberian Platform, Russia; PTERYGOMETOPIDAE; MORD.
- Evropeites** BALASHOVA, 1966a [*Cyrtometopus* primigenus var. *lananskii* F. SCHMIDT, 1907] Leetse Fm, Russia; PLIOMERIDAE; LORD.
- Ewacaste** RAMSKÖLD & EDGEcombe, 1993 [*Acaste* (*Scotiella*) *quaesita* SCHRANK, 1972] Geschiebe glacial erratics, N Germany; ACASTIDAE; USIL.
- Exallaspis** RAMSKÖLD & CHATTERTON, 1991 [*Leonaspis* *bufo* RAMSKÖLD, 1984] Mulde Fm, Gotland, Sweden; ODONTOPLEURIDAE; LSIL.
- Exastipyx** HOLLOWAY, 1996 [*Weberopeltis* *maksimovae* FEIST, 1974] Montagne Noire, France; STYGINIDAE; LDEV.
- Excetra** HOLLOWAY & LANE, 1998 [iotops] Mirrabooka Fm, New South Wales, Australia; STYGINIDAE; USIL.
- Exigua** HOWELL, 1937 [quadrata] St Albans Sh, Vermont, USA; PLETHOPELTIDAE; MCAM.
- Exochops** WELLER, 1936 [*Phillipsia* (*Griffithides*) *portlocki* MEEK & WORTHEN, 1865] Keokuk Fm, Illinois, USA; PROETIDAE; MISS.
- Extrania** QIAN in QIU et al., 1983 [anhuiensis] Hsuehuang Fm, Anhui, China; LISANIIDAE; MCAM.
- Eymekops** RESSER & ENDO in KOBAYASHI, 1935c [*Anomocarella* *hermias* WALCOTT, 1911] Mapan Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.
- Ezhimia** POKROVSKAYA in ZHURAVLEVA et al., 1967 [*bifurca*] Obruchev Horizon, Tuva, Russia; SAUKIANDIDAE; LCAM.
- Ezhuangia** QIU & LIU in QIU et al., 1983 [shandongensis] Changhia Fm, Shandong, China; DOLICHOMETOPIDAE; MCAM.
- Fabulaspis** IVSHIN, 1953 [*famosus*] Boshchekul Fm, Kazakhstan; UNCERTAIN; MCAM.
- Faciura** ROZOVA, 1963 [*premiera*] Entsyiskiy Horizon, NE Siberia, Russia; UNCERTAIN; UCAM.
- Failleana** CHATTERTON & LUDVIGSEN, 1976 [calva] Esbataottine Fm, Northwest Territories, Canada; STYGINIDAE; UORD.
- Falanaspis** TJERNVIK, 1956 [aliena] Toyn Fm, Västergötland, Sweden; ALSATASPIDIDAE; LORD.
- Falcatoproetus** LÜTKE, 1990 [*Proetus* *falcatus* OWENS, 1973b] Coalbrookdale Fm, England; PROETIDAE; LSIL [j.s.s. of *Proetus*, fide ADRAIN, 1997].
- Falkopingia** QIAN & ZHOU, 1984 [*Drepanura* *cremita* WESTERGÅRD, 1947] *Agnostus* *pisiformis* Zone, Västergötland, Sweden; DAMESELLIDAE; UCAM [j.s.s. of *Paradamesella*, fide W. ZHANG, pers. comm.].
- Fallagnostus** HOWELL, 1935b [blayaci] Coulounna, France; CONDYLOPYGIDAE; MCAM [j.s.s. of *Condylopyge*, fide SHERGOLD et al., 1990].

- Fallotaspidella** REPINA, 1961 [musatovi] *Sajanaspis* Zone, S Siberia, Russia; ARCHAEASPIDIDAE; LCAM.
- Fallotaspis** HUPÉ, 1953a [typica] Amouslek Fm, Morocco; FALLOTASPIDIDAE; LCAM.
- Famatinolithus** HARRINGTON & LEANZA, 1957 [noticus] Suri Fm, La Rioja, Argentina; TRINUCLEIDAE; MORD.
- Fandianaspis** LI, 1978 [fandianensis] Chiungchussu Fm, Sichuan, China; REDLICHINA FAMILY UNCERTAIN; LCAM.
- Farsia** WOLFART, 1974b [abundans] Kushanian, SE Iran; PROASAPHISCIDAE; UCAM.
- Fastigaspis** POULSEN, 1964 [princeps] Cape Wood Fm, Greenland; DOKIMOCEPHALIDAE; MCAM.
- Fatocephalus** DUAN & AN in GUO et al., 1982 [hunjianensis] Fengshan Fm, Jilin, China; REMOPLÉURIDIDAE; UCAM [j.s.s. of Pseudokainella, fide JELL, 1985].
- Feilongshania** QIAN & LIN in YIN & LI, 1978 [brevica] Balang Fm, Guizhou, China; ORYCTOCEPHALIDAE; LCAM.
- Feistia** EDGEcombe & FORTEY, 2000 [energetica] El Carmen Fm, Bolivia; CALMONIIDAE; USIL.
- Fenestraspis** BRANIŠA & VANĚK, 1973 [amauta] Belén Fm, Chacoma, Bolivia; DALMANITIDAE; LDEV.
- Fengduia** ZHU in LU et al., 1974b [subcylindrica] Sichuan, China; DAMESELLIDAE; UCAM.
- Fenghuangella** YANG in ZHOU et al., 1977 [laochatianensis] Laochatian Fm, Hunan, China; DICERATOCEPHALIDAE; UCAM.
- Fengshania** SUN, 1935 [Ptychaspis ? fengshanensis SUN, 1935] Fengshan Fm, Hebei, China; PTYCHASPIDIDAE; UCAM [j.s.s. of Changia, fide SHERGOLD, 1991].
- Fengtienia** ENDO, 1937 [peculiaris] Kushan Fm, Liaoning, China; UNCERTAIN; UCAM.
- Fenniops** FORTEY & OWENS, 1987 [Bohemilla (Fenniops) sabulon] Pontyfenni Fm, Wales; BOHEMILLIDAE; MORD.
- Ferenepea** ÖPIK, 1967 [hispidia] O'Hara Sh, Queensland, Australia; NEPEIDAE; MCAM.
- Ferralsia** COBBOLD, 1935b [blayaei] Hérault, France; PALAEOLENIDAE; LCAM.
- Feruminops** HAAS, 1968 [crepida] Dede Fm, Turkey; ACASPIDAE; LDEV.
- Fialoides** HADDING, 1913a [antiquatus] Sweden; TELEPHINIDAE; MORD.
- Fieldaspis** RASETTI, 1951 [furcata] Mount Whyte Fm, British Columbia, Canada; ZACANTHOIDIDAE; MCAM.
- Fimbriomarrolithus** WILLIAMS, 1948 [j.o.s. of Telaemarrolithus].
- Finecrestia** NAN & ZAN, 1982a [arguta] Shiqiao Fm, Liaoning, China; PTYCHOPARIDAE; MCAM.
- Fissanomocarella** PENG et al., 1995 [paibiensis] Huaqiao Fm, Hunan, China; ANOMOCARELLIDAE; MCAM.
- Fissocephalus** LERMONTOVA, 1951a [expansus] Boshche-Kulya, NE Kazakhstan; HARPIDIDAE; UCAM.
- Fitzroyaspis** LEGG, 1976 [Priceaspis (Fitzroyaspis) guppyi] Emanuel Fm, Western Australia; ASAPHIDAE; LORD [j.s.s. of Priceaspis, fide LAURIE & SHERGOLD, 1996].
- Flabellocephalus** J. ZHANG & WANG, 1983 [laevis] Changhia Fm, Shanxi, China; PTEROCEPHALIIDAE; MUCAM.
- Flectihystricurus** ADRAIN et al., 2003 [Hystricurus acumennasus ROSS, 1951] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Flexicalymene** SHIRLEY, 1936 [Calymene blumenbachii var. caractaci SALTER, 1865] Marshbrookian, England; CALYMENIDAE; UORD.
- Flexidechenella** ZHOU, SIVETER & OWENS, 2000 [badainjaranense] Zhushileng Fm, Inner Mongolia, China; PROETIDAE; LDEV.
- Flexiscutellum** ŠNAJDR, 1960 [hanusi] Lochkov Fm, Czech Republic; STYGINIDAE; LDEV.
- Folliceptis** ÖPIK, 1970 [nans] Currant Bush Lst, Queensland, Australia; NEPEIDAE; MCAM.
- Forbesia** McCoy, 1846 [latifrons] Upper Llandovery beds, Roscommon, Ireland; PROETIDAE; LSIL [j.s.s. of Proetus, fide OWENS, 1973b].
- Forehammeria** LERMONTOVA & CHERNYSHEVA in CHERNYSHEVA, 1950 [elegans] *Paradoxides forehammeri* Zone, Siberia, Russia; ANOMOCARIDAE; MCAM.
- Fordaspis** LOCHMAN, 1956b [Solenopleura nana FORD, 1878] *Elliptocephala asaphoides* Faunule, New York, USA; DORYPYGIDAE; LCAM.
- Forillonaria** LESPÉRANCE, 1975 [russelli] Grand Grève Fm, Quebec, Canada; DALMANITIDAE; LDEV.
- Formonia** RICHTER & RICHTER, 1927b [Drevernannia? formosa RICHTER, 1913] Oberscheld, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Formosagnostus** ERGALIEV, 1980 [formosus] Aryusokkanian, Kazakhstan; AMMAGNOSTIDAE; MUCAM [j.s.s. of Hadragnostus, fide PENG & ROBISON, 2000].
- Formosocephalus** PEGEL in EGOROVA et al., 1982 [savitzkyi] Ust-Botomsk Fm, Lena River, Siberia, Russia; ANOMOCARIDAE; MCAM.
- Forteyops** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Kawina sexapungia ROSS, 1951] Garden City Fm, Utah, USA; CHEIRURIDAE; LORD.
- Foulonia** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Ceraurinella peregrinus DEAN, 1966] Montagne Noire, France; CHEIRURIDAE; LORD.
- Foveatella** RUDOLPH, 1994 [Solenopleura bucculenta GRÖNWALL, 1902] Andrarum, Sweden; SOLENOLEURIDAE; MCAM.
- Fragiscutum** WHITTINGTON & CAMPBELL, 1967 [rhytium] Hardwood Mountain Fm, Maine, USA; ENCRINURIDAE; SIL.
- Frammia** HOLTEDAHL, 1914 [dissimilis] Douro Fm, Nunavut, Canada; ENCRINURIDAE; USIL.

- Francenaspis** ALBERTI, 1969 [Prodrevermannia? deubeli ALBERTI, 1967b] Tentaculitenknollen Lst, Ebersdorf, Oberfranken, Germany; PROETIDAE; LDEV.
- Franconicabole** ALBERTI, 1976a [Proetus dillensis DREVERMANN, 1901] *Cheiloceras*-Stufe, Langenaubach, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Francovichia** BRANIŠA & VANĚK, 1973 [Odontochile branisi WOLFART, 1968] Belén Fm, Bolivia; DALMANITIDAE; LDEV.
- Fremontella** HARRINGTON, 1956 [Wanneria halli WALCOTT, 1910] Rome Fm, Alabama, USA; OLENELLIDAE; LCAM.
- Fremontia** RAW, 1936 [Olenellus fremonti WALCOTT, 1910] Pioche Fm, Nevada, USA; OLENELLIDAE; LCAM [j.s.s. of Mesonacis, PALMER & REPINA, 1997].
- Frencrinuroides** LESPÉRANCE & DESBIENS, 1995 [Ercrinuroides capitonis FREDERICKSON, 1964] Bromide Fm, Oklahoma, USA; ENCRINURIDAE; UORD.
- Fritchaspis** VANĚK, 1963 [Harpes montagnei HAWLE & CORDA, 1847] Acanthopyge Lst, Czech Republic; HARPETIDAE; MDEV [j.s.s. of Lioharpes, fide EBACH & McNAMARA, 2002].
- Frithjofia** PŘIBYL & VANĚK, 1978 [Drevermannia (Formonia) annulilobata LÜTKE, 1968] Wieda, Harz Mts, Germany; PROETIDAE; UDEV.
- Fritzolenellus** LIEBERMAN, 1998 [Olenellus truemani WALCOTT, 1913a] Mural Fm, Alberta, Canada; OLENELLIDAE; LCAM.
- Frognaspis** NIKOLAISEN, 1965 [stoermeri] Solvang Fm, Ringerike, Norway; ITYOPHORIDAE; UORD.
- Fuchouia** RESSER & ENDO in KOBAYASHI, 1935c [Bathyriseus manchuriensis WALCOTT, 1911] Changhia Fm, Liaoning, China; DOLICHO-METOPIDAE; MCAM.
- Fuminaspis** W. ZHANG & LIN in ZHANG et al., 1980a [yunnanensis] Chiungchussu Fm, Yunnan, China; METADOXIDIDAE; LCAM.
- Fuquania** ZHAO in ZHAO & HUANG, 1981 [gelaobaoensis] Shilengshui Fm, Guizhou, China; ANOMOCARIDAE; MCAM.
- Furacopyge** ARBIZU, 1978 [progenitor] Complejo de Ranaces, Spain; DALMANITIDAE; LDEV.
- Furcalithus** FORTEY & OWENS, 1987 [radix] Afon Ffynnant Fm, Wales; TRINUCLEIDAE; LORD.
- Furia** EGOROVA & SHABANOV, 1987 [submissa] Mayaian, Siberia, Russia; ALOKISTOCARIDAE; MCAM.
- Fusciniopyge** ORMISTON, 1972 [yolkini] Hume Fm, Northwest Territories, Canada; PROETIDAE; MDEV.
- Fuyunia** HSIANG & ZHANG in T. ZHANG, 1981 [junggarensis] Basitawu Fm, Xinjiang, China; ASAPHIDAE; UORD.
- Fuzhouwania** M. ZHANG & PENG, 1998 [baijia-shanensis] Changshan Fm, Shandong, China; MISSISQUOIDAE; UCAM.
- Gabriceraurus** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Ceraurus gabrielsi LUDVIGSEN, 1979] Esbataottine Fm, Northwest Territories, Canada; CHEIRURIDAE; UORD.
- Gabriellus** FRITZ, 1992 [lanceatus] Mural Fm, Alberta, Canada; OLENELLIDAE; LCAM.
- Galahetes** ÖPIK, 1975a [fulcrosus] Beetle Creek Fm, Queensland, Australia; XYSTRIDURIDAE; MCAM.
- Galbagnostus** WHITTINGTON, 1965a [Agnostus galba BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; METAGNOSTIDAE; MORD.
- Galeaspis** IVSHIN, 1962 [sphaerica] Selctinsky Horizon, Kazakhstan; CATILLICEPHALIDAE; UCAM.
- Galerosaukia** SHERGOLD, 1975 [galerita] Chatsworth Lst, Queensland, Australia; SAUKIIDAE; UCAM.
- Gallagnostoides** KOBAYASHI, 1939b [Aeglina boia HICKS, 1875] Whitlandian, Wales; CYCLOPYGIDAE; LORD [j.s.s. of Microparia, fide FORTEY & OWENS, 1987].
- Gallagnostus** HOWELL, 1935b [geminus] Herault, France; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Gallorelichia** JAGO, 1980 [noiri]; Orbiel Fm, France; REDLICHIIDAE; LCAM [j.s.s. of Eoredlichia, fide W. ZHANG et al., 1997].
- Gamonedaspis** BRANIŠA & VANĚK, 1973 [scutata] Belén Fm, Bolivia; DALMANITIDAE; LDEV.
- Gamops** ŠNAJDR, 1976b [mrzeki] Dobrotivá Fm, Czech Republic; CYCLOPYGIDAE; MORD [j.s.s. of Girvanopyge, fide FORTEY & OWENS, 1987].
- Gangdeeria** ZHANG & YUAN in W. ZHANG et al., 1980b [neimengguensis] Hsuchuang Fm, Inner Mongolia, China; PROASAPHISCIDAE; MCAM.
- Ganinella** ĚLKIN, 1967 [Dechenella batchatensis CHERNYSHEVA, 1951] Poluyakhtobsk Fm, Salair, Russia; PROETIDAE; MDEV.
- Ganovexopyge** WOLFART, 1997 [scotti] Spurs Fm, Antarctica; ALOKISTOCARIDAE; MCAM [replacement name for Scottia].
- Gansucephalina** ZHOU in ZHOU et al., 1982 [scalaris] Xishuangyingshan Fm, Gansu, China; EULOMIDAE; UCAM [j.s.s. of Pareuloma, fide PENG, 1992].
- Gaoloupingia** YUAN & YIN, 1998 [gaoloupingensis] Chcfu Fm, Guizhou, China; SHUMARDIIDAE; UCAM.
- Gaotanaspis** Q. ZHANG & LI, 1984 [tianbeiensis] Anhui, China; PTYCHOPARIIDAE; LMCAM.
- Gaotania** W. ZHANG, 1974 [ovata] Niuchang, Meitan Co, Guizhou, China; ODONTOPLEURIDAE; LSIL.

- Gapecevela** GANDL, 1987 [*Phillipsia derbyensis* var. *gapeevi* WEBER, 1933] Donetz Basin, Russia; PROETIDAE; MISS.
- Gaphuraspis** IVSHIN, 1957 [*kalievii*] Agyrek Horizon, Kazakhstan; PTYCHOPARIIDAE; UCAM.
- Garbiella** LAZARENKO, 1968 [*urvantzevi*] Kulyumbina Fm, NW Siberia, Russia; NORWOODIIDAE; UCAM.
- Gaspelichas** CLARKE, 1907 [*Lichas* (*Gaspelichas*) *forillonii*] Grande Grève Fm, Quebec, Canada; LICHIDAE; LDEV.
- Gastropolus** WHITTARD, 1966 [*brevicaudatum*] Hope Sh Fm, England; CYCLOPYGIDAE; MORD.
- Gdowia** YANISHEVSKY, 1950 [*assatkini*] Blue Clay, Baltic region, Russia; UNCERTAIN; LCAM.
- Gedongaspis** YUAN & ZHAO in YUAN et al., 1997 [*Nangaoia* (*Gedongaspis*) *granulosa*] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Geesops** STRUVE, 1972 [*Calymene schlottheimi* BRONN, 1825] Ahrdorf Fm, Gerolstein, Eifel, Germany; PHACOPIIDAE; MDEV.
- Geigibole** GANDL, 1968 [*Cyrtosymbole* (*Geigibole*) *geigensis*] Geigen Sh, Hof, Frankental, Germany; PROETIDAE; MISS.
- Gelasene** PALMER, 1968 [*acanthinos*] Adams Argillite, Alaska, USA; EDELSTEINASPIDIDAE; LCAM.
- Genalaticurus** ADRAIN et al., 2003 [*Hystricurus genalatus* ROSS, 1951] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Genevievella** LOCHMAN, 1936 [*neunia*] Bonnetterre Dol, Missouri, USA; LLANOASPIDIDAE; UCAM.
- Georgiellus** MOBERG, 1899 [j.o.s. of *Elliptocephala*].
- Georhithronella** HAHN, HAHN & MULLER, 2001 [*alotria*] Erdbach Lst, Germany; PROETIDAE; MISS.
- Geracephalina** KOBAYASHI & HAMADA, 1977 [*Crotalocephalina* (*Geracephalina*) *secta*] Sorayama, Fukui district, Japan; CHEIRURIDAE; LDEV.
- Geragnostella** KOBAYASHI, 1939a [*Agnostus tullbergi* NOVAK, 1883] Šárka Fm, Czech Republic; METAGNOSTIDAE; LORD.
- Geragnostus** HOWELL, 1935b [*Agnostus sidenbladhi* LINNARSSON, 1869] Västergötland, Sweden; METAGNOSTIDAE; LORD.
- Geraldinella** FRITZ, 1993 [*comeifiana*] Mural Fm, Alberta, Canada; ARCHAESPIDIDAE; LCAM.
- Gerasaphes** CLARKE, 1897 [*ulrichana*] Utica Sh, Ohio, USA; ASAPHIDAE; UORD.
- Gerastos** GOLDFUSS, 1843 [*Proetus cuvieri* STEININGER, 1831] Ahrdorf Fm, Gees, Eifel, Germany; PROETIDAE; MDEV.
- Geratrinodus** KOBAYASHI & HAMADA, 1978a [*perconvexus*] Langkawi Islands, Malaysia; METAGNOSTIDAE; UORD [j.s.s. of *Geragnostus*, fide SHERGOLD et al., 1990].
- Germaropyge** ŠNAJDR, 1957b [*Ellipsocephalus germari* BARRANDE, 1852] Jince Fm, Czech Republic; ELLIPSOCEPHALIDAE; MCAM [j.s.s. of *Ellipsocephalus*, fide GEYER, 1990].
- Ghwaiella** KIM, 1980 [*yeemjenriensis*] Chonjuri Fm, North Korea; DINESIDAE; MCAM.
- Gibbocephalus** PILLET, 1965a [j.o.s. of *Crotalocephalina*].
- Gibsherella** REPINA, 1979a [*sibirica*] Sinersky Fm, S Siberia, Russia; JAKUTIDAE; LCAM.
- Gigantopygus** HUPE, 1953a [*papillatus*] Issafen Fm, Morocco; GIGANTOPYGIDAE; LCAM.
- Gignopeltis** RAYMOND, 1924 [*Dolichometopus?* *rarus* BILLINGS, 1865] Oxford Fm, Ontario, Canada; BATHYURIDAE; LORD.
- Gigoutella** HUPE, 1953a [*atlasensis*] Jbel Wawmst Fm, Morocco; PALAEOLENIDAE; LCAM.
- Giordanella** BORNEMANN, 1891 [*Iliaenus meneghinii* BORNEMANN, 1883] Nebida Fm, Sardinia, Italy; DOLEROLENIDAE; LCAM.
- Girandia** KOBAYASHI, 1943b [*typa*] *Solenoparia* Zone, Kotui River, Siberia, Russia; PAGODIIDAE; UCAM.
- Girvanagnostus** KOBAYASHI, 1939a [*Agnostus girvanensis* REED, 1903] Scotland; METAGNOSTIDAE; ORD [j.s.s. of *Arthrorhachis*, fide SHERGOLD et al., 1990].
- Girvanopyge** KOBAYASHI, 1960a [*Lichapyge?* *problematica* REED, 1906a] Whitehouse Subgroup, Scotland; CYCLOPYGIDAE; UORD.
- Gitarra** GANDL, 1968 [*Griffithides pupuloides* LEYH, 1897] Geigen Schiefer, Germany; PROETIDAE; MISS.
- Glaberagnostus** ROMANENKO, 1985 [*altaicus*] *Glyptagnostus reticulatus* Zone, Gorny Altay, Russia; AGNOSTINA FAMILY UNCERTAIN; UCAM.
- Glabrella**, LERMONTOVA, 1940 [*ventrosa*] Amgaian, S Fergana, Russia; ELLIPSOCEPHALIDAE; MCAM.
- Glabretina** LOCHMAN, 1965 [*andrewsi*] 10,223 feet in SW Richey borehole, Williston Basin, Montana, USA; HYSTRICURIDAE; LORD.
- Gladiatoria** HUPE, 1955 [*Macropyge gladiator* ROSS, 1951] Garden City Fm, Idaho, USA; UNCERTAIN; LORD.
- Glaphurella** DEAN, 1971 [*Cyphaspis?* *harknessi* REED, 1896] Keisley Lst Fm, England; DIMEROPYGIDAE; UORD.
- Glaphurina** ULRICH, 1930 [*lamottensis*] Crown Point Fm, Vermont, USA; RAYMONDINIDAE; UORD.
- Glaphurus** RAYMOND, 1905a [*Arionellus pustulatus* WALCOTT, 1877] Crown Point Fm, Vermont, USA; RAYMONDINIDAE; UORD.
- Glaphyraspis** RESSER, 1937b [*Liostracus parvus* WALCOTT, 1899] Dry Creek Fm, Wyoming, USA; LONCHOCEPHALIDAE; UCAM.
- Globampyx** FORTEY, 1975 [*trinucleoides*] Valhallfonna Fm, Spitsbergen; RAPHIOPHORIDAE; MORD.

- Globulaspis** REED, 1931a [*Acidaspis* (*Globulaspis*) *prominens*] Newlands Fm, Scotland; ODONTOPLEURIDAE; LSIL.
- Globusia** OSMÓLSKA, 1973 [*Cyrtosymbole* (?*Macrobole*) *differtigena* OSMÓLSKA, 1962] *Gattendorfia* Zone, Holy Cross Mts, Poland; PROETIDAE; MISS.
- Globusiella** HAHN, HAHN & BRAUCKMANN, 1992 [*Globusia* (*Globusiella*) *akenteta*] Hangenberg Lst, Sauerland, Germany; PROETIDAE; MISS.
- Globusoidea** HAHN & BRAUCKMANN, 1980 [*kelleri*] 'Kieselkalk', Eulenspiegel, Sauerland, Rhenish Massif, Germany; PROETIDAE; MISS.
- Glockeria** WEDEKIND, 1914 [j.o.s. of *Phacopidella*].
- Glomerites** RAFINESQUE, 1817 [see NOTE 2].
- Gloria** EGOROVA & SAVITSKY, 1968 [preocc., replaced by *Gloriagloria*].
- Gloriagloria** JELL, nov. [nefanda] Mayaian, N Siberia, Russia; PROASAPHISCIDAE; MCAM [replacement name for *Gloria*].
- Glosscephalus** HOWELL, 1937 [*longifrons*] St Albans Sh, Vermont, USA; INDET.; MCAM.
- Glossocoryphus** DEISS, 1939 [typus] Steamboat Lst, Montana, USA; ALOKISTOCARIDAE; UCAM [j.s.s. of *Elrathicella*, fide HOWELL in MOORE, 1959].
- Glossopleura** POULSEN, 1927 [*Dolichometopus* *boccar* WALCOTT, 1916b] Stephen Fm, British Columbia, Canada; DOLICHOMETOPIDAE; MCAM.
- Glyphanellus** IVSHIN, 1953 [*margoritus*] Boshchekul Fm, Kazakhstan; ANOMOCARIDAE; MCAM.
- Glyphaspellus** IVSHIN, 1953 [*primus*] Boshchekul Fm, Kazakhstan; ANOMOCARIDAE; MCAM.
- Glyphaspis** POULSEN, 1927 [*Asaphiseus?* *capella* WALCOTT, 1916b] Wolsey Sh, Montana, USA; ANOMOCARELLIDAE; UCAM.
- Glyphopeltis** DEISS, 1939 [*primus*] Saypo Quadrangle, Montana, USA; MARJUMIIDAE; MCAM.
- Glyptagnostotus** LAZARENKO, 1966 [*elegans*] *Irvingella* Zone, Yakutia, Russia; DIPLAGNOSTIDAE; UCAM [j.s.s. of *Pseudoglyptagnostus*, fide SHERGOLD et al., 1990].
- Glyptagnostus** WHITEHOUSE, 1936 [*toreuma*] Georgina Lst, Queensland, Australia; GLYPTAGNOSTIDAE; UCAM.
- Glyptambon** HOLLOWAY, 1981 [*Dalmania* *verrucosa* HALL, 1864] Waldron Sh, Indiana, USA; DALMANITIDAE; LSIL.
- Glyptometopsis** RASETTI, 1961 [*tumida*] Frederick Lst, Maryland, USA; DOKIMOCEPHALIDAE; UCAM.
- Glyptometopus** RASETTI, 1944 [*Solenopleura* *laflammei* CLARK, 1924] Levis Fm, Quebec, Canada; DOKIMOCEPHALIDAE; UCAM.
- Gog** FORTEY, 1975 [*catillus*] Valhallfonna Fm, Spitsbergen; ASAPHIDAE; LORD.
- Gogiura** ROZOVA IN ROZOVA et al., 1985 [*gogiura*] Maslyaninsk Horizon, NW Salair, Russia; ASAPHIDAE; LORD.
- Gogoella** LEGG, 1976 [*wadei*] Emanuel Fm, Western Australia; PLIOMERIDAE; LORD.
- Golasaphus** SHERGOLD, 1972 [*momedahensis*] Gola Beds, Queensland, Australia; ASAPHIDAE; UCAM.
- Goldfieldia** PALMER, 1964 [*pacifica*] Saline Valley Fm, Nevada, USA; ORYCTOCEPHALIDAE; LCAM [j.s.s. of *Lancastria*, fide BLAKER & PEEL, 1997].
- Goldfussia** BRONN, 1848 [*Brontes* *flabellifer* GOLDFUSS, 1839] Junkerberg Fm, Eifel district, Germany; STYGINIDAE; MDEV [replacement name for *Goldius*; j.s.s. of *Scutellum*, fide RICHTER & RICHTER, 1926].
- Goldfussius** BARRANDE, 1852 [unnecessary emendation and thus j.o.s. of *Goldfussia*].
- Goldillaenoides** BALASHOVA, 1959 [*taimyricus*] Povorotnaya River Fm, Taimyr, Russia; STYGINIDAE; UORD.
- Goldillaenus** SCHINDEWOLF, 1924 [*Trinucleus?* *nilsoni* MÜNSTER, 1840] Orthocerenkalk, Elbersreuth, Frankenswald, Germany; STYGINIDAE; USIL.
- Goldius** deKONINCK, 1841 [*Brontes* *flabellifer* GOLDFUSS, 1839] Junkerberg Fm, Eifel district, Germany; STYGINIDAE; MDEV [replacement name for *Brontes*; j.s.s. of *Scutellum*, fide RICHTER & RICHTER, 1926].
- Gomiites** PŘIBYL & VANĚK, 1978 [*Decoroproetus* *granulatus* KOBAYASHI & HAMADA, 1974] Gomi, Shikoku, Japan; PROETIDAE; USIL.
- Gondwanaspis** FEIST, 2002 [*mrirentensis*] Bou Ounabdou, Mriit, Morocco; ODONTOPLEURIDAE; UDEV [j.s.s. of *Tacmasaspis*, fide ADRAIN, herein].
- Goniacanthus** HAWLE & CORDA, 1847 [*abbreviatus*] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of *Sao*, fide ŠNAJDR, 1958a].
- Goniagnostus** HOWELL, 1935c [*Agnostus* *nathorsti* BRÖGGER, 1878] Krekling, Norway; PTYCHAGNOSTIDAE; MCAM.
- Gonicheirurus** NAN, 1985a [*scalaris*] Huangbanjishan Fm, Heilongjiang, China; LEIOSTEGIDAE; LORD.
- Goniodiscus** RAYMOND, 1913c [preocc., replaced by *Calodiscus*].
- Goniophrys** ROSS, 1951 [*prima*] Garden City Fm, Idaho, USA; TELEPHINIDAE; LORD.
- Goniopleura** HAWLE & CORDA, 1847 [*Proetus* *elegantulus* LOVÉN, 1846] Wenlock Series, Gotland, Sweden; AULACOPLEURIDAE; LSIL [*nomen oblitum*, see NOTE 5].
- Goniotefina** WHITTINGTON & ROSS in WHITTINGTON, 1953 [*Eleutherocentrus* *williamsi* ROSS, 1951] Garden City Fm, Idaho, USA; BATHYURIDAE; LORD [j.s.s. of *Acidiphorus*, fide BRETT & WESTROP, 1996].

- Gonioteloides** KOBAYASHI, 1955b [monoceros] McKay Group, British Columbia, Canada; UNCERTAIN; LORD.
- Goniotelus** ULRICH, 1927 [Bathyurus perspicator BILLINGS, 1865] boulder at St Antoine de Tilly, Quebec, Canada; BATHYURIDAE; MORD [replacement name for Goniurus] [j.s.s. of Acidiphorus, fide BRETT & WESTROP, 1996].
- Goniurus** RAYMOND, 1913a [preocc., replaced by Goniotelus].
- Gonzaloia** GEYER, 1998 [Calymene canaliculata ANGELIN, 1851] Andrarum Lst, Sweden; SOLENOPLEURIDAE; MCAM.
- Goodsiraspis** ADRAIN & CHATTERTON, 1993 [packardii] Barlow Inlet Fm, Nunavut, Canada; AULACOPLEURIDAE; USIL [j.s.s. of Malimanaspis, fide ADRAIN & EDGEcombe, 1996].
- Gorskia** POLETAEVA & FEDYANINA in CHERNYSHEVA, 1971 [longa] Amgaian, Salair, Russia; CONOKEPHALINIDAE; MCAM.
- Gortania** COSSMAN, 1909 [s.o.s. of Cryphops, rejected by ICZN Opinion 2006; replacement name for Microphthalmus].
- Goumenzia** GUO & DUAN, 1978 [latilimbata] Fengshan Fm, Liaoning, China; DIKELOCEPHALIDAE; UCAM.
- Gourdonia** PILLET, 1954 [Dalmanites gourdoni BARROIS, 1883] Cathervielle Sh. Pyrenees, France; ACASTIDAE; MDEV.
- Goycoia** RUSCONI, 1950b [tellicheai] Mendoza, Argentina; UNCERTAIN; MCAM.
- Gracemerea** ENGEL & MORRIS, 1989 [archeri] Malchi Fm, Queensland, Australia; PROETIDAE; MISS.
- Graciella** ROZOVA, 1963 [graciensis] Ketyisky Horizon, NW Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Gracilocoryphe** PŘIBYL & VANĚK, 1978 [Proctus gracilis BARRANDE, 1846a] Koneprusy Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Grandagnostus** HOWELL, 1935a [vermontensis] St Albans, Vermont, USA; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Grandiocolus** COSSMAN, 1908 [Liostracus megalurus DAMES, 1883] Changhia Fm, Shandong, China; PROASAPHISCIDAE; MCAM [replacement name for Megalophthalmus].
- Granitzia** BUCHHOLZ, 1999 [rugiana] *Peltura*-Stufe, Germany; OLENIDAE; UCAM.
- Granolenus** JAGO, 1980 [midi] Alternances Gresco- Calcaires, France; DOLEROLENIDAE; LCAM.
- Granularaspis** BABCOCK & ST JOHN, 1995 [Granularia obrutchevi POLETAEVA in LERMONTOVA, 1951b] Kuznetsk Alatau, Siberia, Russia; ?DOLICHOMETOPIDAE; LCAM [replacement name for Granularia].
- Granularia** POLETAEVA in LERMONTOVA, 1951b [preocc., replaced by Granularaspis].
- Granulatagnostus** KOLOBOVA, 1981 [granulatus] Anderken Horizon, S Kazakhstan; METAGNOSTIDAE; MORD [j.s.s. of Corrugatagnostus, fide SHERGOLD et al., 1990].
- Granuloagnostus** PEK, 1970 [Agnostus dusli NOVAK, 1883] Šárka Fm, Czech Republic; METAGNOSTIDAE; LORD.
- Granutaspis** KOROBOV, 1989 [granosus] Burgasutaisk Fm, W Mongolia; ALDONAIDAE; LCAM.
- Gratagnostus** HAJRULLINA in REPINA et al., 1975 [latus] Amgaian, Uzbekistan; PERONOPSIDAE; MCAM.
- Gravicalymene** SHIRLEY, 1936 [convolva] Crûg Lst, Wales; CALYMENIDAE; UORD.
- Greenops** DELO, 1935 [Cryphaeus Boothi GREEN, 1837] Hamilton Group, New York, USA; ACASTIDAE; MDEV [replacement name for Cryphaeus].
- Greylockia** RAYMOND, 1937 [minuta] Rockledge Cgte, Vermont, USA; TRICREPICEPHALIDAE; UCAM [j.s.s. of Meteoraspis, fide LOCHMAN in MOORE, 1959].
- Griffithidella** HESSLER, 1965 [Proetus doris HALL, 1860] Rockford Lst, Indiana, USA; PROETIDAE; MISS.
- Griffithides** PORTLOCK, 1843 [longiceps] Carboniferous Lst, N Ireland; PROETIDAE; MISS.
- Grinnellaspis** POULSEN, 1948 [Actinopeltis fieldeni POULSEN, 1946] Cape Weber Fm, Nunavut, Canada; BATHYURIDAE; LORD [replacement name for Actinopeltis].
- Griphasaphus** ÖPIK, 1967 [griphus] Mungerebar Lst, Queensland, Australia; ASAPHIDAE; UCAM.
- Groenwallia** KOBAYASHI, 1935c [Liostracus platyrhinus GRÖNWALL, 1902] Andrarum Lst, Bornholm, Denmark; ANDRARINIDAE; MCAM.
- Groenwallina** ROZOVA, 1964 [decora] Nganasansky Horizon, NW Siberia, Russia; ANDRARINIDAE; UCAM.
- Grossia** ALBERTI, 1960 [Acidaspis myops RICHTER, 1863] "Tentaculitenschiefer", Schaderthal, Thuringia, Germany; ODONTOPLEURIDAE; MDEV [j.s.s. of Ketneraspis, fide RAMSKÖLD & CHATTERTON, 1991].
- Grossoproetus** WU, 1987 [Proetus (Grossoproetus) perconvexus] Yanglugou Fm, Gansu, China; PROETIDAE; UORD.
- Gruetia** PILLET, 1969a [Unguliproetus erbrayi PILLET, 1965b] Erbray Lst, Brittany, France; TROPIDOCORYPHIDAE; LDEV.
- Guancenshania** J. ZHANG & WANG, 1986 [lilia] Kushan Fm, Shanxi, China; DAMESELLIDAE; MUCAM.
- Guandacolithus** HARRINGTON & LEANZA, 1957 [furquei] San Juan Lst, San Juan, Argentina; TRINUCLEIDAE; UORD.
- Guangnania** LUO, 1974 [xiyangjiensis] Bocaitian Fm, Yunnan, China; SAUKIIDAE; UCAM.

- Guangxiaspis** ZHOU in ZHOU et al., 1977 [guanxiensis] Guangxi, China; PTEROCEPHALIDAE; UCAM.
- Guangyuanaspis** ZHANG & QIAN in LU et al., 1974a [modaoyaensis] Chiungchussu Fm, Sichuan, China; ABADIELLIDAE; LCAM.
- Guangyuania** LI, 1978 [conica] Chiungchussu Fm, Sichuan, China; ABADIELLIDAE; LCAM.
- Guankouia** W. ZHANG & YUAN in W. ZHANG et al., 1995 [longa] Hsuehuang Fm, Henan, China; PROASAPHISCIDAE; MCAM.
- Guaranites** BALDIS & HANSEN, 1980 [paraguayensis] Itacurubi Gp, Paraguay; DALMANITIDAE; LSIL [j.s.s. of Dalmanites, fide EDGECOMBE, pers. comm.].
- Guaykinites** BALDIS & HANSEN, 1980 [itacurubensis] Itacurubi Gp, Paraguay; DALMANITIDAE; LSIL [j.s.s. of Mucronaspis, fide EDGECOMBE, pers. comm.].
- Gudralisium** BASSE, 1998 [viator] Rospe Fm, Oberbergisches Land, Germany; ACASTIDAE; MDEV.
- Guichenia** HENRY, 1968a [Dalmanites dufouri TROMELIN & LEBESCONTE, 1876] Schistes à Calymènes, Loire-Atlantique, France; DALMANITIDAE; MORD.
- Guilinaspis** YUAN & XIANG, 1998 [subcylindrica] Chuanbutou Fm, Guangxi, China; TROPIDOCORYPHIDAE; MISS.
- Guizhouanomocare** LI in YIN & LI, 1978 [gracilis] Shilengshui Fm, Guizhou, China; ANOMOCARIDAE; MCAM.
- Guizhoucephalina** QIAN, 1961 [longispina] Sandu Fm, Guizhou, China; EULOMIDAE; UCAM.
- Guizhoudiscus** S. ZHANG in YIN & LI, 1978 [kaiyangensis] Niutitang Fm, Guizhou, China; TSUNYIDISCIDAE; LCAM [j.s.s. of Tsunydiscus, fide W. ZHANG & JELL, 1987].
- Guizhouhystricurus** YIN in YIN & LI, 1978 [Hystricurus (Guizhouhystricurus) yinjiangensis] Honghuayuan Fm, Guizhou, China; HYSTRICURIDAE; LORD.
- Guizhoupliomeroops** ZHU & YIN in YIN & LI, 1978 [guizhouensis] Dawan Fm, Guizhou, China; PLIOMERIDAE; MORD.
- Guluheia** J. ZHANG & WANG, 1985 [shanxiensis] Kushan Fm, Shanxi, China; TSINANIIDAE; UCAM.
- Gunnia** GATEHOUSE, 1968 [lutea] Tindall Lst, Northern Territory, Australia; PTYCHOPARIIDAE; MCAM.
- Guohongjunia** M. ZHANG, 1999 [triangulata] Chuangia Zone, Liaoning, China; ASAPHIDAE; UCAM.
- Guotangia** T. ZHOU, 1981 [guotangensis] Guotang Fm, Guizhou, China; CATILLICEPHALIDAE; LORD [j.s.s. of Onchonotellus, fide PENG, 1992].
- Guozia** XIANG & ZHANG, 1985 [crassa] Guozigou Fm, Xinjiang, China; CERATOPYGIDAE; UCAM.
- Guraspis** SEMASHKO, 1969 [punctatus] Amgaian, SE Siberia, Russia; DOLICHOMETOPIDAE; MCAM.
- Gushanaspis** M. ZHANG & PENG, 1998 [gushanensis] Changshan Fm, Shandong, China; SOLENOPLEURIDAE; UCAM.
- Gymnagnostus** ROBISON & PANTOJA-ALOR, 1968 [gongros] Tinu Fm, Oaxaca, Mexico; AGNOSTIDAE; LORD.
- Gymnostomix** FORTEY & OWENS, 1987 [Trinucleus gibbsii] SALTER in MURCHISON, 1859] Penmaen Dewi Fm, Wales; TRINUCLEIDAE; LORD.
- Gyrometopus** JAANUSSON, 1975 [Nileus? lineatus ANGELIN, 1854] *Megistaspis planilimbata* Zone, Oltorp, Västergötland, Sweden; DIAPHANOMETOPIDAE; LORD.
- Haasia** YUAN, 1988 [Cyrtosymbole wildungensis RICHTER, 1913] *Wöcklumeria*-Stufe, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Habrocephalus** REPINA in REPINA et al., 1964 [lepidus] Bazaikh Horizon, Kuznetsk Alatau, Russia; PALAEOLENIDAE; LCAM.
- Hadragnostus** ÖPIK, 1967 [las] Mungerebar Lst, Queensland, Australia; AMMAGNOSTIDAE; UCAM.
- Hadraspis** WU & LIN in W. ZHANG et al., 1980b [monanensis] Changhia Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Hadrocephalites** SUNDBERG & McCOLLUM, 2002 [lyndonensis] Pioche Sh, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Hadrohybus** RAYMOND, 1925 [dunbari] Shallow Bay Fm, Newfoundland, Canada; BATHYURIDAE; MORD.
- Hadrokraspedon** SHAW, 1962 [Luxella crassimarginata] RASETTI, 1955] Levis Fm, Quebec, Canada; PTYCHOPARIIDAE; MCAM.
- Hadromeros** LANE, 1971 [Cheirus keisleyensis REED, 1896] Keisley Lst Fm, England; CHEIRURIDAE; UORD.
- Hadorrachus** DELO, 1935 [Cryphaeus australis CLARKE, 1913] Ponta Grossa Fm, Brazil; CALMONIIDAE; LDEV.
- Hadorrakos** DELO, 1940 [unnecessary emendation of and thus j.o.s. of Hadorrachus].
- Hagiorites** KOBAYASHI, 1951b [omeishanensis] Tachengssu Fm, Sichuan, China; INDET; ORD.
- Haibowania** J. ZHANG, 1985 [zhuzozishanensis] Kushan Fm, Inner Mongolia, China; DAMESPELLIDAE; UCAM [j.s.s. of Damesella, fide W. ZHANG, pers. comm.].
- Haliplanktos** BLAKER & PEEL, 1997 [Arthricocephalus (Arthricocephalites) jishouensis ZHOU in ZHOU et al., 1977] Hunan, China; ORYCTOCEPHALIDAE; LCAM.
- Hallandclarkeops** LIEBERMAN & KLOC, 1997 [Kaysereops? cantarmoricus] MORZADÉC & ARBIZU, 1978] St Fiacre Fm, Brittany, France; ACASTIDAE; MDEV.

- Hallanta** POULSEN, 1965 [modesta] Skelbro Lst Fm, Bornholm, Denmark; STYGINIDAE; MORD.
- Hallaspis** RAASCH & LOCHMAN, 1943 [Amphion? matutina HALL, 1863] Eau Claire Fm, Minnesota, USA; CATILLICEPHALIDAE; UCAM [j.s.s. of Pemphigaspis, fide PALMER & PEEL, 1981].
- Hamashania** KOBAYASHI, 1942d [pulchra] N Hebei, China; SAUKIIDAE; UCAM.
- Hamatolenus** HUPÉ, 1953a [continuus] Asrir Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Hamioproetus** ŠNAJDR, 1977 [hamiro] Koneprusy Lst, Czech Republic; PROETIDAE; LDEV.
- Hammannopyge** PRIBYL & VANĚK in PRIBYL et al., 1985b [Acidaspis unica THOMSON, 1857] Balclatchie Fm, Scotland; CHEIRURIDAE; UORD.
- Hammatocnemis** KIELAN, 1960 [tetrasulcatus] Holy Cross Mts, Poland; PLIOMERIDAE; UORD. [j.s.s. of Ovalocephalus, fide ZHOU & DEAN, 1986].
- Hamptonella** RESSER, 1937b [Ptychoparia fitchi WALCOTT, 1887] Schodaek Fm, New York, USA; PTYCHOPARIIDAE; LCAM.
- Hanburia** WALCOTT, 1916a [gloriosa] Stephen Fm, British Columbia, Canada; ?DOLICHOMETOPIIDAE; MCAM.
- Hancrania** KOBAYASHI, 1962 [brevilimbata] Black Sh, Suang-dong, South Korea; OLENIDAE; UCAM.
- Hanchungolithus** LU, 1954a [Cryptolithus multi-seriatus ENDO, 1932] Siliangssu Fm, Shaanxi, China; TRINUCLEIDAE; MORD.
- Hanivella** SIVOV in EGOROVA et al., 1955 [primaeva] Tolstochikhin Fm, Salair, Russia; ANOMOCARIDAE; UCAM.
- Haniwa** KOBAYASHI, 1933a [sosanensis] Tsinania Zone, Korea; REMOPLEURIDAE; UCAM.
- Haniwapyge** ROZOVA in ROZOVA et al., 1985 [maslyanini] Maslyaninsk Horizon, NW Salair, Russia; CERATOPYGIDAE; LORD [j.s.s. of Macropyge, fide PENG, 1990].
- Haniwoides** KOBAYASHI, 1935c [longa] Ncietsu, South Korea; CERATOPYGIDAE; UCAM.
- Hanjiangaspis** ZHOU & XIANG, 1993 [Harpidella fimbriuleata JI, 1986] Pagoda Lst, Shaanxi, China; RORRINGTONIIDAE; UORD.
- Hanshania** J. ZHANG & WANG, 1985 [angusta] Hsuehuang Fm, Shanxi, China; ANOMOCARELLIDAE; MCAM.
- Hanzhongaspis** CHEN in LI et al., 1975 [typicalis] Pagoda Lst, Shaanxi, China; ISOCOLIDAE; UORD.
- Hapalopleura** HARRINGTON & LEANZA, 1957 [clavata] Rio Santa Cruz, Oran, Salta, Argentina; ALSATASPIDIDAE; LORD.
- Haploconus** RAYMOND, 1913a [preocc., replaced by Dimeropyge].
- Hapsiceranus** WHITTINGTON, 1954c [hispidus] Baffin Is, Nunavut, Canada; CHEIRURIDAE; UORD.
- Hapsidocare** SHERGOLD, 1975 [chydaeum] Chatsworth Lst, Queensland, Australia; KAOLISHANIIDAE; UCAM.
- Harataspis** EGOROVA & SAVITSKY, 1969 [lauta] Mayaian, N Siberia, Russia; ANOMOCARIDAE; MCAM.
- Hardya** WALCOTT, 1924b [metion] Mons Fm, Alberta, Canada; MISSISQUOHIDAE; UCAM.
- Hardyoides** KOBAYASHI, 1938a [minor] Bison Ck Fm, British Columbia, Canada; NORWOODIDAE; UCAM.
- Harpes** GOLDFUSS, 1839 [macrocephalus] Junkerberg Fm (Auburg-Schichten), Gerolstein, Eifel, Germany; HARPETIDAE; MDEV.
- Harpesoides** KOROLEVA, 1978a [karamolensis] Kazakhstan; HARPETIDAE; UORD [j.s.s. of Paraharpes (=Hibbertia), fide PRIBYL & VANĚK, 1986].
- Harpidella** McCOY, 1849 [Harpes? megalops McCOY, 1846] Kilbride Fm, Galway, Ireland; AULACOPLEURIDAE; LSIL.
- Harpides** BEYRICH, 1846 [hospes] Tremadoc, Czech Republic; HARPIDIDAE; LORD.
- Harpidooides** PETRUNINA, APOLLONOV, & CHUGAEVA in APOLLONOV & CHUGAEVA, 1983 [Harpides ulumandensis POLETAEVA, 1945] Kitat Fm, Kuznetsk Alatau, Russia; HARPIDIDAE; UCAM.
- Harpillaenus** WHITTINGTON, 1963 [Illaenus arcuatus BILLINGS, 1865] Shallow Bay Fm, Newfoundland, Canada; ILLAENIDAE; MORD.
- Harpina** NOVAK, 1885 [preocc., replaced by Eoharpes].
- Harringtonacaste** BALDIS & BLASCO in BALDIS et al., 1976 [harringtoni] Lipéon Fm, Argentina; ACASTIDAE; USIL/LDEV.
- Harrisia** CLELAND, 1900 [preocc., replaced by Clelandia].
- Hartella** MATTHEW, 1885 [Ctenocephalus matthewi HARTT in DAWSON, 1868] Chamberlain's Brook Fm, New Brunswick, Canada; CONOCORYPHIDAE; MCAM.
- Hartshillia** ILLING, 1916 [Holocephalina inflata HICKS, 1872] Menevian Beds, S Wales; CORYNEXOCHIDAE; MCAM.
- Hartshillina** LAKE, 1940 [Hartshillia spinata ILLING, 1916] Abbey Sh, England; CORYNEXOCHIDAE; MCAM.
- Hassiabole** HAHN, HAHN & MULLER, 1996 [plexaura] Erdbach Lst, Hessen, Germany; PROETIDAE; MISS.
- Hastagnostus** HOWELL, 1937 [angustus] St Albans Sh, Vermont, USA; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Hastiremopleurides** YIN, 1980 [Remopleurides (Hastiremopleurides) bijieensis] Chientsaokou Fm, Guizhou, China; REMOPLEURIDAE; UORD.
- Hatangia** EGOROVA & SAVITSKY, 1968 [scita] Mayaian, N Siberia, Russia; PROASAPHISCIDAE; MCAM.

- Hausmannia** HALL & CLARK, 1888 [unnecessary replacement and thus j.o.s. of *Odontochile*].
- Hausmannia** ETHERIDGE & MITCHELL, 1895 [preocc., not replaced, j.s.s. of *Dalmanites*, fide MITCHELL, 1919].
- Hawkinsaspis** RASETTI, 1968 [*Hawkinsia minuta* RASETTI, 1965a] Maryville Lst, Tennessee, USA; LONCHOCEPHALIDAE; UCAM [replacement name for *Hawkinsia*].
- Hawkinsia** RASETTI, 1965a [preocc., replaced by *Hawkinsaspis*].
- Hawleia** PRANTL & ŠNAJDR, 1957 [*Placoparia grandis* HAWLE & CORDA, 1847] Letná Fm, Czech Republic; PLIOMERIDAE; UORD.
- Hazarania** WOLFART, 1970 [levis] Sukh Bum, Afghanistan; ASAPHIDAE; UCAM.
- Hebedeina** RASETTI, 1972 [sardoa] Nebida Fm, Sardinia, Italy; YUKONIIDAE; LCAM.
- Hebediscus** WHITEHOUSE, 1936 [*Ptychoparia attleboroensis* SHALER & FOERSTE, 1888] Hoppin Sl, Massachusetts, USA; HEBEDISCIDAE; LCAM [possibly j.s.s. of *Dipharus*, fide SHAW, 1950].
- Hebeia** GUO & DUAN, 1978 [conica] Kushan Fm, Hebei, China; POLYCYRTASPIDIDAE; UCAM.
- Hectoria** LU, 1975 [preocc., replaced by *Ruapyge*; j.s.s. of *Hysterolenus*, fide PENG, 1990].
- Hederacauda** KOBAYASHI, 1960a [*Dikellocephalus multinctus* HALL & WHITFIELD, 1877] Secret Canyon Fm, Nevada, USA; PTEROCEPHALIDAE; UCAM [j.s.s. of *Pterocephalia*, fide PALMER, 1965].
- Hedinaspis** TROEDSSON, 1951 [*Hedinia regalis* TROEDSSON, 1937] Torsuqtagh Fm, Xinjiang, China; CERATOPYGIDAE; UCAM [replacement name for *Hedinia*].
- Hedinia** TROEDSSON, 1937 [preocc., replaced by *Hedinaspis*].
- Hedstroemia** PRIBYL & VANĚK, 1978 [*Proetus delicatus* HEDSTRÖM, 1923] Halla Fm, Gotland, Sweden; PROETIDAE; LSIL.
- Hejinaspis** J. ZHANG & WANG, 1983 [shanxiensis] Changhia Fm, Shanxi, China; PTYCHOPARIIDAE; MCAM.
- Helepagetia** JELL, 1975 [bitruncula] Currant Bush Lst, Queensland, Australia; EODISCIDAE; MCAM.
- Helieranella** BALDIS et al., 1984 [negritoensis] Negritos Fm, Colombia; OLENIDAE; LORD.
- Heliocephalus** DELO, 1936 [*Phacops* (*Dalmania*) *coronatus* THOMAS, 1900] Much Wenlock Lst Fm, England; DALMANITIDAE; LSIL [replacement name for *Malvernina*] [j.s.s. of *Dalmanites*, fide RAMSKÖLD, 1985].
- Helioharpes** PRIBYL & VANĚK, 1981b [*Harpes perradiatus* RICHTER & RICHTER, 1943] Morocco; HARPETIDAE; MDEV [j.s.s. of *Harpes*, fide EBACH & McNAMARA, 2002].
- Helionera** RAYMOND, 1905c [*Cheirus sol* BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; CHEIRURIDAE; MORD.
- Helimerooides** EVITT, 1951 [teres] Lincolnshire Fm, Virginia, USA; CHEIRURIDAE; UORD.
- Helioproetus** RICHTER & RICHTER, 1919 ["*Proetus*" (sub.?) *ebersdorfensis* RICHTER, 1913] Dzikowiec (Ebersdorf), L. Silesia, Poland; PROETIDAE; UDEV.
- Heliopyge** HAAS & MENSINK, 1970 [*Asteropyge* (*Comura*) *helios* RICHTER & RICHTER, 1926] *Manticoceras*-Stufe, Rhenish Massif, Belgium; ACASTIDAE; MDEV.
- Helmutia** FEIST & ORTH, 2000 [*Orbitoproetus* (*Helmutia*) *rissanensis*] Eifelian-Givetian boundary stratotype, Djebel Mech Irdane, 12km SW of Rissani, Tafilalet, Morocco; PROETIDAE; MDEV.
- Helokybe** THOMAS in THOMAS & NARBONNE, 1979 [spio] Douro Fm, Nunavut, Canada; PROETIDAE; USIL.
- Hemiarges** GÜRICH, 1901 [*Lichas* (*Arges*) *wesenbergensis* SCHMIDT, 1885] Rakvere Lst, Estonia; LICHIDAE; UORD.
- Hemibarrandia** PRANTL & PRIBYL, 1949b [*Nilus holoubkovensis* RUZICKA, 1926] Trenč Fm, Czech Republic; PANDERIIDAE; LORD.
- Hemicricometopus** LU & QIAN in LU et al., 1974a [*duyunensis*] Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Hemigraspis** RAYMOND, 1910a [*Asaphus* (*Isotelus*) *affinis* McCOY, 1849] Upper Tremadoc Series, Tremadoc near Porthmadog, Gwynedd, Wales; ASAPHIDAE; LORD [j.s.s. of *Asaphellus*, fide LAKE, 1942].
- Hemikaolishania** Q.Z. ZHANG in QIU et al., 1983 [*xiangshanensis*] Changshan Fm, Jiangsu, China; KAOLISHANIIDAE; UCAM.
- Hemirhodon** RAYMOND, 1937 [schucherti] Hungerford Sh, Vermont, USA; DOLICHOMETOPIDAE; MCAM.
- Hemisphaerocoryphe** REED, 1896 [*Sphaerexochus pseudohecranium* NIESZKOWSKI, 1859] Johvi Stage, Estonia; CHEIRURIDAE; UORD [j.s.s. of *Sphaerocoryphe*, fide LANE, 1971].
- Henadoparia** ÖPIK, 1967 [integra] O'Hara Sh, Queensland, Australia; CEDARIIDAE; MUCAM.
- Hentigia** HAAS et al., 1980 [bulbops] Artinskian, Afghanistan; PROETIDAE; LPERM.
- Heptabronteus** WEBBY, 1974 [atavus] Cliefden Caves Lst, New South Wales, Australia; STYGINIDAE; UORD [j.s.s. of *Kosovopeltis*, fide HOWELLS, 1982].
- Heraspis** WANDÅS, 1984 [*Megistaspis heroica* BOHLIN, 1960] Valaste Substage, Ingermannland, Norway; ASAPHIDAE; MORD.
- Hercantyx** ÖPIK, 1963 [rudis] Pomegranate Lst, Queensland, Australia; ?DAMESELLIDAE; UCAM.
- Hermosella** LU & QIAN in YIN & LI, 1978 [*sanduensis*] Sandu Fm, Guizhou, China; ALSATASPIDIDAE; UCAM [j.s.s. of *Jegorovaia*, fide PENG, 1992].

- Herse** HAWLE & CORDA, 1847 [*neubergii*] Jince Fm, Czech Republic; SOLENOPLÉURIDAE; MCAM [preocc., not replaced; s.o.s. of *Solenopleurina*].
- Hesa** RICHTER & RICHTER, 1941b [problematica] Chirbet el-Burdsh, Jordan; REDLICHIIDAE; LCAM.
- Hesperaspis** STOYANOW, 1936 [ransomei] Abrigo Fm, Arizona, USA; PLETHOPELTIDAE; UCAM [j.s.s. of *Arapahoia*, fide RESSER, 1942b].
- Hesslerides** BREZINSKI, 2000b [Griffithides *bufo* MEEK & WORTHEN, 1870] Keokuk Fm, Indiana, USA; PROETIDAE; MISS.
- Heterocaryon** RAYMOND, 1937 [platystigma] Gorge Fm, Vermont, USA; HARPETIDAE; UCAM.
- Heterocyclopyge** MAREK, 1961 [*Cyclopyge pachycephala* HAWLE & CORDA, 1847] Vinice Fm, Czech Republic; CYCLOPYGIDAE; UORD [j.s.s. of *Selenoptychus*, fide MAREK, 1961 by synonymising the type species of these two genera].
- Heukkyoella** KIM, 1980 [sinsanriensis] Bonghwabong Fm, North Korea; PROASAPHISCIDAE; MCAM.
- Hewenia** ZHOU in ZHOU et al., 1977 [typica] Guangxi, China; PTYCHOPARIIDAE; UCAM.
- Hexacopyge** W. YUAN & Z. ZHOU, 1998 [*Remopleurides nasutus* LU, 1957] Dawan Fm, Hubei, China; REMOPLÉURIDAE; LORD.
- Hexacosta** FARSAN, 1981 [zendadjanensis] Afghanistan; ACASTIDAE; MDEV.
- Hexianella** Q.Z. ZHANG in QIU et al., 1983 [hexianensis] Xiaotan Fm, Anhui, China; LEIOSTEGIIDAE; MORD [j.s.s. of *Brackebuschia*, fide ADRAIN, herein].
- Hexianolithus** ZHANG in QIU et al., 1983 [*Hanchungolithus* (*Hexianolithus*) yangziensis] Xiaotan Fm, Anhui, China; TRINUCLEIDAE; MORD [j.s.s. of *Ningkianolithus*, fide ZHOU & HUGHES, 1989].
- Heyelingella** ZHANG & YUAN in W. ZHANG et al., 1980b [shuiyuensis] Changhia Fm, Shanxi, China; PROASAPHISCIDAE; MCAM [j.s.s. of *Iranoleesia*, fide JELL & HUGHES, 1997].
- Hibbertia** JONES & WOODWARD, 1898 [orbicularis] Bardahessiagh Fm, N Ireland; HARPETIDAE; UORD.
- Hicksia** DELGADO, 1904 [elvensis] Haut Alemtejo, Portugal; DORYPYGIDAE; LCAM.
- Hidascutellum** KOBAYASHI & HAMADA, 1977 [multispiniferum] Fukuji, Gifu Prefecture, Japan; STYGINIDAE; LDEV.
- Highgatea** RAYMOND, 1937 [laeviuscula] Gorge Fm, Vermont, USA; IDAHOIIDAE; UCAM [j.s.s. of *Loganellus*, fide RASETTI, 1944].
- Highgatella** SHAW, 1955 [*Terranovella gelasinata* SHAW, 1951] Gorge Fm, Vermont, USA; OLENIDAE; LORD.
- Hildaphillipsia** HAHN & HAHN, 1972 [*Phillipsia hildae* GHEYSELINCK, 1937] Basleo Beds, Timor; PROETIDAE; UPERM.
- Hillyardina** ROSS, 1951 [semicylindrica] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Hindermeyeria** HUPÉ, 1953a [*Strenuella* (*Strenuaeva*) insecta RICHTER & RICHTER, 1940] Alanis Sh, Spain; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of *Strenuaeva*, fide SDZUY, 1962].
- Hintzecurus** ADRAIN et al., 2003 [*Hystricurus paragenalatus* ROSS, 1951] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Hintzeia** HARRINGTON, 1957 [*Protopliomerops aemula* HINTZE, 1953] Fillmore Fm, Utah, USA; PLIOMERIDAE; LORD.
- Hispaniaspis** HAMMANN, 1992 [*Dicanthaspis morenaica* HAMMANN, 1976] Bancos Mixtos, Spain; ODONTOPLÉURIDAE; UORD.
- Histiomona** ÖPIK, 1967 [oculosa] Georgina Lst, Queensland, Australia; DAMESELLIDAE; MUCAM.
- Hoeferia** REDLICH, 1899 [preocc., replaced by *Redlichia*].
- Hoekspiella** RUSCONI, 1950a [spinosa] Mendoza, Argentina; INDET; CAM.
- Hoekaspis** KOBAYASHI, 1937b [*Megalaspis matacensis* HOEK in STEINMANN & HOEK, 1912] Pampa de Otavi, Bolivia; ASAPHIDAE; MORD.
- Hoffetella** HUPÉ, 1953a [*Micmacca elongata* LU, 1941] Lungwangmiao Fm, Yunnan, China; PALAEOLENIDAE; LCAM.
- Holanshania** TU in LU, 1957 [ninghsiaensis] Gansu, China; PROASAPHISCIDAE; MCAM.
- Holasaphus** MATTHEW, 1895 [centropyge] MacMullin Fm, Cape Breton Is, Canada; PTYCHOPARIIDAE; UCAM.
- Holacephalus** RESSER, 1938b [granulata] Noli-chucky Fm, Tennessee, USA; NORWOODIIDAE; UCAM.
- Holdenia** COOPER, 1953 [typa] Effna Fm, Virginia, USA; ISOCOLIDAE; UORD.
- Holia** BRADLEY, 1930 [magnaspina] Kimmswick Fm, Missouri, USA; CHEIRURIDAE; MORD.
- Hollardia** ALBERTI, 1964 [hollardi] Ain Tagh Sh, An Targa, W Morocco; TROPIDOCORYPHIDAE; LDEV.
- Hollardops** MORZADEC, 1997 [*Asteropyge mesocristata* LE MAITRE, 1952] Chefar el Ahmar Fm, Algeria; ACASTIDAE; LDEV.
- Holmdalia** ROBISON, 1988 [*Modocia punctata* RASETTI, 1967] West Castleton Fm, New York, USA; MARJUMIIDAE; UCAM.
- Holmia** MATTHEW, 1890 [Paradoxides *kjerulfi* LINNARSSON, 1873] Holmia Sh, Norway; HOLMIIDAE; LCAM.
- Holmiella** FRITZ, 1972 [preancora] Sekwi Fm, North West Territories, Canada; HOLMIIDAE; LCAM.
- Holocephalina** SALTER, 1864b [primordialis] Menevian Beds, S Wales; HOLOCEPHALINIDAE; MCAM.

- Holocephalites** ZHOU in ZHOU et al., 1982 [punctatus] Xiangshan Fm, Ningxia Hui, China; HOLOCEPHALINIDAE; MCAM.
- Holomeris** HAWLE & CORDA, 1847 [Bronteus (Holomeris) transversus] Koneprusy Lst, Czech Republic; STYGINIDAE; LDEV [s.s.s. of Bojoscutellum, fide ŠNAJDR, 1983b].
- Holometopus** ANGELIN, 1854 [preocc., replaced by Warburgella].
- Holotrachelus** HOLM, 1898 [Homalonotus punctiliosus TÖRNQUIST, 1884] Boda Lst, Dalarne, Sweden; HOLOTRACHELIDAE; UORD.
- Holoubkocheilus** MERGL, 1994 [Eulomina granulatum RUZICKA, 1926] Třenice Fm, Czech Republic; BAVARILLIDAE; LORD.
- Holoubkovia** PŘIBYL & VANĚK, 1969 [Lichas kloučeki RUZICKA, 1926] Třenice Fm, Czech Republic; LICHIDAE; LORD [j.s.s. of Metopolichas, fide THOMAS & HOLLOWAY, 1988].
- Holstonia** RESSER, 1938b [holstonensis] Nolichucky Fm, Virginia, USA; CEDARIIDAE; UCAM [j.s.s. of Bonneterrina, fide LOCHMAN in MOORE, 1959].
- Holteria** WALCOTT, 1924b [Ogygia ? problematica WALCOTT, 1884a] Secret Canyon Sh, Nevada, USA; DORYPGIDAE; MCAM.
- Holubaspis** PŘIBYL, 1950 [Holubia bohémica KLOUČEK, 1931] Milina Fm, Czech Republic; ?HYSTRICURIDAE; LORD [replacement name for Holubia].
- Holubia** KLOUČEK, 1931 [preocc., replaced by Holubaspis].
- Holyoakia** PALMER in PALMER & ROWELL, 1995 [granulosa] Shackelton Lst, Antarctica; EMUELLIDAE; LCAM.
- Homagnostoides** KOBAYASHI, 1939a [Agnostus feralsensis MUNIER-CHALMAS & BERGERON in BERGERON, 1889] Herault, France; METAGNOSTIDAE; LORD.
- Homagnostus** HOWELL, 1935c [Agnostus pisiformis var. obesus BELT, 1867] Lower *Lingula* Flags, N Wales; AGNOSTIDAE; UCAM.
- Homalonotus** KÖNIG, 1825 [knightii] Ludlow Series, England; HOMALONOTIDAE; USIL.
- Homalops** REMELÉ, 1884 [altumii] glacial erratics, Ostseekalk, Eberswede, Germany; PTERYGO-METOPIDAE; UORD [preocc., never replaced; s.s.s. of Calyptaulax, fide MOORE, 1959].
- Homalopteon** SALTER, 1866a [Ogygia portlockii SALTER, 1849] Raheen Fm, Ireland; NILEIDAE; UORD.
- Homalopyge** JAANUSSON, 1956 [Asaphus stacyi SCHMIDT, 1898] Vaginaturn Lst, Öland, Sweden; ASAPHIDAE; LORD.
- Homodictya** RAYMOND, 1937 [imitatrix] Rockledge Cgte, Vermont, USA; KINGSTONIIDAE; UCAM [j.s.s. of Blountia, fide PALMER, 1965].
- Homoglossa** RAYMOND, 1912 [Ogygia dilatata panderi SCHMIDT, 1904] glacial erratic, ?Kukruse Stage, Estonia; STYGINIDAE; UORD [j.s.s. of Bronteopsis, fide MOORE, 1959].
- Homolichas** SCHMIDT, 1885 [Lichas depressus ANGELIN, 1854] erratic boulder, Öland, Sweden; LICHIDAE; UORD.
- Homotelus** RAYMOND, 1920 [ulrichi] Cincinnati, Ohio, USA; ASAPHIDAE; UORD. [j.s.s. of Isotelus, fide WHITTINGTON, 1950a].
- Honanaspis** W. ZHANG, 1959 [Proasaphiscus (Honanaspis) honanensis] Hsichuang Fm, Hunan, China; PROASAPHISCIDAE; MCAM.
- Honania** LI in LU et al., 1965 [lata] Changhia Fm, Henan, China; PROASAPHISCIDAE; MCAM [j.s.s. of Grandiocus, fide W. ZHANG & JELL, 1987].
- Hongjunshaolia** LUO in LUO et al., 1994 [kan-fuqingensis] Tsanglangpu Fm, Yunnan, China; YINITIDAE; LCAM.
- Hongshiyanaspis** W. ZHANG & LIN in W. ZHANG et al., 1980a [yiliangensis] Chiungchussu Fm, Yunnan, China; METADOXIDAE; LCAM.
- Hoploichas** DAMES, 1877 [Lichas tricuspidata BEYRICH, 1846] erratic boulder, Sorau, N Germany; LICHIDAE; UORD.
- Hoplolichoides** PHLEGER, 1936 [Lichas conico-tuberculata NIESZKOWSKI, 1859] Kukruse Stage, Estonia; LICHIDAE; UORD.
- Horbusonia** SALIKOVA, 1987 [sulita] Tyuss-salinsk Fm, NE Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Horonastes** ÖPIK, 1982 [eminens] Currant Bush Limestone, Northern Territory, Australia; DOLICHOMETOPIDAE; MCAM.
- Hospes** STUBBLEFIELD in STUBBLEFIELD & BULMAN, 1927 [clonograpti] Shineton Sh Fm, England; UNCERTAIN; LORD.
- Houmaia** J. ZHANG & WANG, 1985 [jinnanensis] Hsichuang Fm, Shanxi, China; WUANIIDAE; MCAM.
- Houmengia** QIU in QIU et al., 1983 [houmengensis] Hsichuang Fm, Shandong, China; ANTAGMIDAE; MCAM.
- Housia** WALCOTT, 1916b [varro] Orr Fm, Utah, USA; PTEROCEPHALIIDAE; UCAM.
- Housiella** KOBAYASHI in KOBAYASHI & ICHIKAWA, 1955 [Ceratopyge canadensis WALCOTT, 1912b] Goodsir Fm, British Columbia, Canada; PTEROCEPHALIIDAE; UCAM [j.s.s. of Housia, fide LOCHMAN in MOORE, 1959].
- Howellaspis** LOCHMAN & DENSON in LOCHMAN & DUNCAN, 1944 [wellsvillensis] Bloomington Fm, Utah, USA; MENOMONIIDAE; MCAM [j.s.s. of Bolaspidella, fide LOCHMAN, 1953b].
- Hoytaspis** LUDVIGSEN & WESTROP, 1983 [Ptychaspis speciosus WALCOTT, 1879] Hoyt Lst, New York, USA; DIKELOCEPHALIDAE; UCAM.
- Hsiaella** RESSER & ENDO, 1937 [striata] Kushan Fm, Liaoning, China; INDET.; UCAM.

- Hsiaoshia** ENDO, 1944 [quadrata] Changhia Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.
- Hsuaspis** W. ZHANG in LU et al., 1965 [Lusatiops sinensis W. ZHANG, 1953] Shuijingtuo Fm, Hubei, China; ESTAIINGIIDAE; LCAM [j.s.s. of *Estaingia*, fide JELL, herein; see NOTE 6].
- Hsuchuangia** LU & ZHU in QIU et al., 1983 [*Kochaspis hsuchuangensis* LU in LU & DONG, 1952] Hsuchuang Fm, Shandong, China; CREPICEPHALIDAE; MCAM.
- Huaibeia** BI in QIU et al., 1983 [lata] Changhia Fm, Anhui, China; PROASAPHISCIDAE; MCAM.
- Huainania** QIU in QIU et al., 1983 [sphaerica] Hsuchuang Fm, Anhui, China; INOUYIIDAE; MCAM.
- Hualongella** LIN & ZHANG in ZHU et al., 1979 [*Richardsonella* (*Hualongella*) *hualongensis*] Liudaogou Group, Qinghai, China; REMO-
PLEURIDIDAE; UCAM.
- Hualongia** ZHOU in ZHOU et al., 1996 [typica] Liudaogou Group, Qinghai, China; MAPANIIDAE; UCAM.
- Huamiaocephalus** QIU in QIU et al., 1983 [wan-nanensis] Changshan Fm, Anhui, China; ALSATASPIDIDAE; UCAM.
- Huangnigangia** HAN & JU in QIU et al., 1983 [*Dionidella* (*Huangnigangia*) subquadrata] Huanghekan Fm, Zhejiang, China; DIONIDIDAE; UORD.
- Huangshiaspis** LIU, 1977 [taoyuanensis] Hunan, China; OLENIDAE; UCAM.
- Huaquinchiaia** RUSCONI, 1955b [spinosa] Mendoza, Argentina; INDET; UCAM.
- Huarpagnostus** RUSCONI, 1950c [costatus] Mendoza, Argentina; PTYCHAGNOSTIDAE; MCAM [j.s.s. of *Ptychagnostus*, fide PENG & ROBISON, 2000].
- Huayuania** PENG et al., 1995 [subcalva] Huaqiao Fm, Hunan, China; ANOMOCARELLIDAE; MCAM.
- Huemacaspis** PŘIBYL & VANĚK, 1980 [teopontensis] Llanvirn Series, Bolivia; HOMALOTIDAE; MORD.
- Huenickenolithus** BALDIS & BALDIS, 1995 [pozoensis] Las Aguaditas Fm, San Juan, Argentina; TRINUCLEIDAE; MORD.
- Huilichia** RUSCONI, 1955b [trispinata] Mendoza, Argentina; INDET; MCAM.
- Hukasawaia** KOBAYASHI, 1953a [cylindrica] Bunkoku Fm, South Korea; REMO-
PLEURIDIDAE; LORD.
- Humaencrinuroides** NAN, 1985b [*Encrinuroides* (*Humaencrinuroides*) *pentagonalis*] Wulongtun Fm, Heilongjiang, China; PLIOMERIDAE; UORD.
- Humeia** ORMISTON, 1975 [*Dechenella* (*Dechenella*) *retusa* ORMISTON, 1967] Blue Fiord Fm, Nunavut, Canada; PROETIDAE; MDEV.
- Humilogriffithides** INAI, 1936 [divinopleurus] Liaoning, China; PROETIDAE; PENN.
- Hunanaspis** ZHOU in ZHOU et al., 1977 [gracilis] Huaqiao Fm, Hunan, China; ANOMOCARIDAE; UCAM.
- Hunanocephalus** LI in EGOROVA et al., 1963 [ovalis] Chiungchussu Fm, Hunan, China; ORYCTOCEPHALIDAE; MCAM.
- Hunanolenus** LIU, 1977 [aglaos] Huaqiao Fm, Hunan, China; OLENIDAE; UCAM.
- Hunanoproctus** J. YANG, 1981 [robustus] Shidengzi Fm, Hunan, China; LINGUAPROETIDAE; MISS.
- Hunanopyge** PENG, 1984 [scjuncta] Shenjiawan Fm, Hunan, China; CERATOPYGIDAE; UCAM.
- Hundwarella** REED, 1934 [personata] Nutums Fm, Kashmir, India; PROASAPHISCIDAE; MCAM.
- Hungaia** WALCOTT, 1914a [*Dikelocephalus magnificus* BILLINGS, 1860b] Levis Fm, Quebec, Canada; HUNGAIIDAE; UCAM.
- Hungioides** KOBAYASHI, 1936d [*Dikelocephalina bohemia* NOVAK in PERNER, 1918] Šárka Fm, Czech Republic; HUNGAIIDAE; MORD.
- Hunjiangaspis** AN, 1966 [*Proasaphiscus* (*Hunjiangaspis*) *lui*] Hsuchuang Fm, Jilin, China; PROASAPHISCIDAE; MCAM.
- Hunjiangites** LU & ZHOU, 1990 [*Troedssonina hunjiangensis* GUO & DUAN in GUO et al., 1982] Ychi Fm, Jilin, China; ASAPHIDAE; LORD.
- Hunnebergia** TJERNVIK, 1956 [retusa] Toyen Fm, Västergötland, Sweden; ASAPHIDAE; LORD.
- Huntonia** CAMPBELL, 1977 [preocc., replaced by *Huntoniatonia*].
- Huntoniatonia** CAMPBELL nov. [*Dalmanites lingulifer* ULRICH & DELO in DELO, 1940] Haragan Fm, Oklahoma, USA; DALMANITIDAE; LDEV [replacement name for *Huntonia*].
- Huochengella** XIANG & ZHANG, 1985 [huochengensis] Kensay Fm, Xinjiang, China; ALOKISTOCARIDAE; MCAM.
- Huochengia** T.ZHANG, 1981 [xinertaiensis] Aketashi Fm, Xinjiang, China; ASAPHIDAE; UORD.
- Hupeia** KOBAYASHI, 1944a [pulchra] Shihlungtung Fm, Hubei, China; ESTAIINGIIDAE; LCAM.
- Hupeidiscus** ZHANG in LU et al., 1974a [*Hebediscus orientalis* W. ZHANG, 1953] Shuijingtuo Fm, Hubei, China; TSUNYIDISCIDAE; LCAM [j.s.s. of *Tsunyidiscus*, fide JELL, 1997].
- Hupeolenus** GEYER, 1990 [hupei] Asrir Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Huptina** SDZUY, 1978 [antiqua] Igoudine Fm, Morocco; BIGOTINIDAE; LCAM.
- Huzhuia** ZHU, 1965 [typica] Qinghai, China; SOLENO-
PLEURIDAE; MCAM.
- Hwangjuella** KIM, 1980 [chonjuriensis] Rimchon Fm, North Korea; DICERATOCEPHALIDAE; MCAM.
- Hyboaspis** RAYMOND, 1925 [shuleri] Holston Fm, Virginia, USA; ILLAENIDAE; UORD.
- Hybocephalus** REMELÉ, 1885 [hauchecomci] glacial erratic, Upper Red Orthoceras Limestone, Eberswalde, E Germany; UNCERTAIN; MORD.

- Hydrocephalus** BARRANDE, 1846a [carens] Jince Fm, Czech Republic; PARADOXIDIDAE; MCAM.
- Hydrolaenus** SALTER, 1867 [Illaenus conifrons BILLINGS, 1859] Mingan Islands, Quebec, Canada; STYGINIDAE; UORD [j.s.s. of Thaleops, fide JAANUSSON, 1954].
- Hypagnostus** JAEKEL, 1909 [Agnostus parvifrons LINNARSSON, 1869] Västergötland, Sweden; PERONOPSIDAE; MCAM.
- Hypaproetus** WU, 1977 [guizhouensis] Guizhou, China; PROETIDAE; LSIL.
- Hyperagnostus** KOBAYASHI, 1955b [binodosus] Mons Fm, British Columbia, Canada; DIPLAGNOSTIDAE; LORD [j.s.s. of Pseudorhaptagnostus, fide NIELSEN, 1997].
- Hyperbolochilus** ROSS, 1951 [marginactum] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Hypermeaspis** HARRINGTON & LEANZA, 1957 [incrmis] Parcha Fm, Salta, Argentina; OLENIDAE; LORD.
- Hyperoparia** Q.Z ZHANG in QIU et al., 1983 [conicata] Hsichuang Fm, Anhui, China; SOLENOPLURIDAE; MCAM.
- Hypodicranotus** WHITTINGTON, 1952a [Remopleurides striatulus WALCOTT, 1875] Dentley Fm, New York, USA; REMOPLEURIDIDAE; UORD.
- Hypothetica** ROSS, 1951 [rawi] Garden City Fm, Idaho, USA; HARPETIDAE; LORD [j.s.s. of Entomaspis, fide ADRAIN, herein].
- Hypsipariops** STRUVE, 1982 [Pedinopariops (Hypsipariops) lyncops] Junkerberg Fm, Eifel, Germany; PHACOPIIDAE; MDEV.
- Hyrokybe** LANE, 1972 [pharax] Drommebjerg Lst, N Greenland; CHEIRURIDAE; LSIL.
- Hysterolenus** MOBERG, 1898 [toernquisti] Sandby, Sweden; CERATOPYGIDAE; LORD.
- Hysteropleura** RAYMOND, 1937 [macgerriglei] Rockledge Cgte, Vermont, USA; MENOMONIDAE; UCAM.
- Hystricurus** RAYMOND, 1913a [Bathyrus conicus BILLINGS, 1859] Beauharnois Fm, Quebec, Canada; HYSTRICURIDAE; LORD.
- Iberocoryphe** HAMMANN, 1977 [verneuli] Llandeilo, "Fuencaliente VIII," Spain; HOMALONOTIDAE; MORD.
- Ibexaspis** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Protopliomerops quattuor brevis YOUNG, 1973] Fillmore Fm, Utah, USA; PLIOMERIDAE; LORD.
- Ibexicurus** ADRAIN et al., 2003 [parsonsi] House Fm, Utah, USA; HYSTRICURIDAE; LORD.
- Ichangia** W. ZHANG in LU et al., 1965 [ichangensis] Tsanglangpu Fm, Hubei, China; ESTANGIDAE; LCAM.
- Ichangolithus** LU, 1963 [ichangensis] Dawan Fm, Hubei, China; TRINUCLEIDAE; LORD [j.s.s. of Hanchungolithus, fide ZHOU & HUGHES, 1989].
- Ichiyamella** KOBAYASHI & HAMADA, 1986a [subglobula] Shikoku, Japan; CHEIRURIDAE; USIL [j.s.s. of Parayoungia, fide ADRAIN, 1998].
- Idahoia** WALCOTT, 1924b [serapio] Ovid Fm, Idaho, USA; IDAHOIIDAE; UCAM [j.s.s. of Saratogia, fide LUDVIGSEN & WESTROP, 1983].
- Idamea** WHITEHOUSE, 1939 [venusta] Georgina Lst, Queensland, Australia; PAGODIIDAE; UCAM.
- Iddingsia** WALCOTT, 1924b [Ptychoparia similis WALCOTT, 1884a] Windfall Fm, Nevada, USA; DOKIMOCEPHALIDAE; UCAM.
- Ideria** KOROBOV, 1989 [sortantuinica] Sortantuinsky Fm, W Mongolia; ALDONAIDAE; LCAM.
- Idiomesus** RAYMOND, 1924 [tantillus] Gorge Fm, Vermont, USA; PTYCHASPIDIDAE; UCAM.
- Idiorhapha** WHITTINGTON, 1953 [Cheirus solitarius BILLINGS, 1865] boulder at St. Antoine de Tilly, Quebec, Canada; UNCERTAIN; MORD.
- Idioura** ZHANG & YUAN in W. ZHANG et al., 1980b [granosa] Changhia Fm, Shanxi, China; CREPICEPHALIDAE; MCAM.
- Idolagnostus** ÖPIK, 1967 [agrestis] O'Hara Sh, Queensland, Australia; AGNOSTIDAE; UCAM.
- Iduia** SUN in ZHOU et al., 1977 [iduensis] Fenhisiang Fm, Hubei, China; ASAPHIDAE; LORD.
- Igarkiella** ROZOVA, 1964 [igarkaensis] Saarsk Horizon, NW Siberia, Russia; ANOMOCARIDAE; MCAM.
- Iglesella** RASETTI, 1972 [ichnusae] Nebida Fm, Sardinia, Italy; REDLICHIIDAE; LCAM.
- Ignoproetus** ŠNAJDR, 1977 [fortoxin] Suchomasty Fm, Czech Republic; TROPIDOCORYPHIDAE; MDEV.
- Ignotogregatus** W. ZHANG & JELL, 1987 [manholi] Changhia Fm, Liaoning, China; IGNOTOGREGATIDAE; MCAM.
- Ijacephalus** OGIENKO, 1974 [convexus] Ustkut Fm, S Siberia, Russia; ACROCEPHALITIDAE; LORD.
- Illaenoides** WELLER, 1907 [triloba] Racine Fm, Illinois, USA; STYGINIDAE; LSIL.
- Illaenopsis** SALTER, 1866b [thomsoni] Hope Sh Fm, England; NILEIDAE; MORD.
- Illaenoscutellum** KOBAYASHI & HAMADA, 1974 [platiceps] Yokokura-yama, Shikoku, Japan; STYGINIDAE; USIL.
- Illaenula** CHLUPÁČ, 1977 [Ductina (Illaenula) illaenoides] Stínava-Chabíčov Fm, Moravia, Czech Republic; PHACOPIIDAE; MDEV.
- Illaenurus** HALL, 1863 [quadratus] Saint Lawrence Fm, Wisconsin, USA; ILLAENURIDAE; UCAM.
- Illaenus** DALMAN, 1827 [Entomotrachites crassicauda WAHLENBERG, 1821] Crassicauda Lst, Dalarna, Sweden; ILLAENIDAE; LORD.
- Illydaspis** FRITZ, 1991 [quartetensis] Illyd Fm, Northwest Territories, Canada; PTYCHOPARIIDAE; LCAM.
- Incaia** WHITTARD, 1955 [Trinucleus nordenskiöldi BULMAN, 1931] Llanvirm, Peru; TRINUCLEIDAE; MORD.

- Incisopyge** PILLET & COURTESOLE, 1985 [Novakella incisa WHITTARD, 1961a] Hope Sh Fm, England; CYCLOPYGIDAE; MORD [j.s.s. of Novakella, fide FORTEY & OWENS, 1987].
- Inella** REPINA in REPINA et al., 1964 [monstrabilica] Kameshkov Horizon, Kuznetsk Alatau, Russia; CHENGKOUASPIDIDAE; LCAM.
- Inglefieldia** POULSEN 1927 [porosa] Cape Kent Fm, NW Greenland; ALOKISTOCARIDAE; LCAM.
- Ingriops** JAANUSSON & RAMSKÖLD, 1993 [Phacops (Pterygometopus) trigonocephala SCHMIDT, 1881] Obuchov Fm, Ingria, Russia; PTERYGOMETOPIDAE; MORD.
- Inikanella** LERMONTOVA in KRYSKOV et al., 1960 [gracilis] Goryuchikh Slantsev Fm, N Siberia, Russia; ORYCTOCEPHALIDAE; MCAM [j.s.s. of Cheiruroides, fide CHERNYSHEVA, 1962].
- Iniospheniscus** ÖPIK, 1979 [talisi] Inca Fm, Queensland, Australia; DIPLAGNOSTIDAE; MCAM.
- Iniotoma** ÖPIK, 1967 [iniotoma] Mungerebar Lst, Queensland, Australia; ASAPHISCIDAE; MCAM.
- Inkouia** W. ZHANG & FAN, 1960 [inkouensis] Yingou Group, Gansu, China; OLENIDAE; LORD.
- Innitagnostus** ÖPIK, 1967 [innitens] Pomegranate Lst, Queensland, Australia; AGNOSTIDAE; MUCAM [j.s.s. of Agnostus or Micragnostus, fide PENG & ROBISON, 2000].
- Inosacotes** ÖPIK, 1975a [Olenellus browni] ETH-ERIDGE, 1897] Burton Beds, Northern Territory, Australia; XYSTRIDURIDAE; MCAM.
- Inouyella** RESSER & ENDO, 1937 [peiensis] Hsueh-chuang Fm, Liaoning, China; WUANIIDAE; MCAM.
- Inouyia** WALCOTT, 1911 [Agraulos? capax] WALCOTT, 1906] Hsueh-chuang Fm, Shanxi, China; INOUYIIDAE; MCAM.
- Inouyina** POLETAEVA, 1936 [quadratica] Sayan Altay, S Siberia, Russia; NAMANOIIDAE; LCAM.
- Inouyops** RESSER, 1942a [Ptychoparia titiana] WALCOTT, 1905] Changhia Fm, Shandong, China; LORENZELLIDAE; MCAM.
- Inoyellaspis** IVSHIN, 1953 [expectans] Boshchekul Fm, Kazakhstan; LORENZELLIDAE; MCAM.
- Interalia** ÖPIK, 1967 [serena] Mungerebar Lst, Queensland, Australia; LONCHOCEPHALIDAE; MCAM.
- Interproctus** ŠNAJDR, 1977 [Proetus intermedius] BARRANDE, 1846a] Kopanina Fm, Czech Republic; TROPIDOCORYPHIDAE; USIL.
- Iohomia** HU, 1971 [siekia] Meagher Fm, Montana, USA; ANOMOCARIDAE; MCAM.
- Iolgia** KRAEVSKY, 1965 [prima] Botomian, Gorny Altay, S Siberia, Russia; REDLICHIIINA FAMILY UNCERTAIN; LCAM.
- Iranaspidium** KOBAYASHI & HAMADA, 1978b [sagittalis] Kuh-e-hambast Range, Iran; PROETIDAE; PERM.
- Iranaspis** KING, 1937 [harrisoni] Pa Vashtah, Iran; LEIOSTEGIIDAE; UCAM.
- Iranella** HUPÉ, 1953b [Saratogia latefrons] KING, 1937] Sayad Hassan, Iran; IDAHOIIDAE; UCAM [j.s.s. of Maladioidella, fide SHERGOLD & SDZUY, 1984].
- Irania** KING, 1937 [preocc., replaced by Iranoleesia].
- Iranochresterius** PENG et al., 1999 [shahmirzadensis] Mila Fm, Alborz Mtns, Iran; PROASAPHISCIDAE; MCAM.
- Iranochuangia** KOBAYASHI, 1960b [Chuangia nais var. persicum] KING, 1937] Dimeh Salt Plug, Iran; LEIOSTEGIIDAE; UCAM.
- Iranoleesia** KING, 1955 [Irania pisiformis] KING, 1937] Ma'dan, Iran; PROASAPHISCIDAE; MCAM [replacement name for Irania].
- Irgitkhemia** CHERNYSHEVA, 1977 [insolita] Irgitkhem Fm, Tuva, Russia; REDLICHIIIDAE; LCAM.
- Iriania** ARCHBOLD, 1981 [jayae] Irian Jaya, Indonesia; BRACHYMETOPIDAE; PERM [j.s.s. of Brachymetopus, fide MORRIS, 1988].
- Irinia** EGOROVA & SAVITSKY, 1968 [arcuata] Mayaiian, N Siberia, Russia; ANOMOCARIDAE; MCAM.
- Irvingella** ULRICH & RESSER in WALCOTT, 1924b [major] Franconia Fm, Wisconsin, USA; ELVINIIDAE; UCAM.
- Irvingellina** KOBAYASHI, 1938a [protuberans] Bison Ck Fm, British Columbia, Canada; ELVINIIDAE; UCAM [j.s.s. of Irvingella, fide PALMER, 1965].
- Irvingelloides** KOBAYASHI, 1935c [Irvingella? orientalis] KOBAYASHI, 1934b] Clarkella Zone, Saisho-ri, South Korea; UNCERTAIN; LORD.
- Isabelinia** RABANO, 1989c [Ogygia? glabrata] SALTER, 1853b] Sierra de Bussaco, Portugal; ASAPHIDAE; MORD.
- Isalau** FREDERICKSON & POLLACK, 1952 [canonensis] Harding Fm, Colorado, USA; PTERYGOMETOPIDAE; UORD.
- Isalauina** MAKSIMOVA, 1962 [Isalau (Isalauina) stricta] KRAMARENKO in MAKSIMOVA, 1962] Mangazeisk Stage, Tungus River, Siberian Platform, Russia; PTERYGOMETOPIDAE; MORD.
- Isbergia** WARBURG, 1925 [planifrons] Boda Lst, Dalarne, Sweden; RORRINGTONIIDAE; UORD.
- Ischyrophyma** WHITTINGTON, 1963 [tuberculata] Shallow Bay Fm, Newfoundland, Canada; DIMEROPTYGIDAE; MORD [j.s.s. of Celmus, fide ADRAIN & FORTEY, 1997].
- Ischyrotoma** RAYMOND, 1925 [twenhofeli] Shallow Bay Fm, Newfoundland, Canada; DIMEROPTYGIDAE; MORD.
- Ishpella** PETRUNINA, 1990 [platycephala] Kamlak Fm, Gorny Altay, Russia; UNCERTAIN; UCAM.
- Isidreana** RUSCONI, 1954c [tellicheai] Empozadense Fm, San Isidro, Mendoza, Argentina; UNCERTAIN; ORD.

- Isidrella** RUSCONI, 1955a [bispinata] Mendoza, Argentina; OLENIDAE; MCAM.
- Isocolus** ANGELIN, 1854 [sjogreni] Boda Lst, Dalarna, Sweden; ISOCOLIDAE; UORD.
- Isoctomesa** RAFINESQUE, 1821 [Trilobites emarginatus] [see NOTE 2].
- Isoprusia** BRUTON, 1966a [mydlakia] Acanthopyge Lst, Czech Republic; ODONTOPLEURIDAE; MDEV.
- Isotella** BALASHOVA, 1976 [Megalaspis remigium EICHWALD, 1858] Rakvere Stage, Estonia; ASAPHIDAE; UORD.
- Isoteloidecs** RAYMOND, 1910a [Asaphus canalis WHITFIELD, 1886] Fort Cassin Fm, Vermont, USA; ASAPHIDAE; LORD.
- Isotelus** DEKAY, 1824 [gigas] Denley Fm, New York, USA; ASAPHIDAE; UORD.
- Issafeniella** GEYER, 1990 [turgida] Issafen Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Isyrakella** ROZOVA in ROZOVA et al., 1985 [incomplete] Maslyaninsk Horizon, NW Salair, Russia; ASAPHIDAE; LORD.
- Isyrakopeltis** ROZOVA in ROZOVA et al., 1985 [isyraki] Maslyaninsk Horizon, NW Salair, Russia; ASAPHIDAE; LORD.
- Itagnostus** ÖPIK, 1979 [Agnostus elkedraensis ETHERIDGE, 1902] Sandover Bcnds, Northern Territory, Australia; PERONOPSIDAE; MCAM [j.s.s. of Peronopsis, fide ROBISON, 1988].
- Itcheriella** OGIENKO, 1969 [lata] Ichersk Fm, Siberia, Russia; PROASAPHISCIDAE; MCAM.
- Ithycephalus** RESSER, 1938b [typicalis] Nolichucky Fm, Tennessee, USA; KINGSTONIIDAE; UCAM.
- Ithyektyphus** SHAW, 1956b [Marjumia? tetonensis MILLER, 1936a] Death Canyon Fm, Wyoming, USA; MARJUMIIDAE; MCAM.
- Itydeois** ÖPIK, 1982 [elegans] Currant Bush Lst, Queensland, Australia; DOLICHOMETOPIIDAE; MCAM.
- Ityophorus** WARBURG, 1925 [undulatus] Leptaena Lst, Dalarna, Sweden; ITYOPHORIDAE; UORD.
- Ivanopleura** ŠNAJDR, 1984a [Odontopleura du-frenoyi BARRANDE, 1846a] Liteň Fm, Czech Republic; ODONTOPLEURIDAE; LSIL.
- Iveria** SHERGOLD, 1980 [iverensis] Chatsworth Lst, Queensland, Australia; EULOMIDAE; UCAM.
- Ivshinagnostus** ERGALIEV, 1980 [ivshini] Sakian, Kazakhstan; AGNOSTIDAE; UCAM.
- Ivshinaspis** PETRUNINA, 1973 [crispa] Kitatsk Fm, Kuznetsk Alatau, W Siberia, Russia; REMO-PLEURIDAE; LORD.
- Ivshiniellus** KOROBOV, 1966b [nikolaii] Aldanian, Sayan Altay, Russia; ATOPIDAE; LCAM [j.s.s. of Atops, fide JELL et al., 1992].
- Iwayaspis** KOBAYASHI, 1962 [asaphoides] Black Sh, Mt Sambang-san, South Korea; CERATOPYGIDAE; UCAM [j.s.s. of Pseudoyuepingia, fide LU & LIN, 1980].
- Iyouella** GEYER & PALMER, 1995 [contracta] Sectigena Zone, Morocco; HOLMIIDAE; LCAM.
- Izarnia** FEIST, 1974 [Bronteus gouzcsi BERGERON, 1889] Izarne Fm, Montagne Noire, France; STYGINIDAE; LDEV.
- Jakutus** LERMONTOVA, 1951b [Dorypyge quadri-ceps RJONSNITZKY in LERMONTOVA, 1951b] Kutorgina Fm, Siberia, Russia; JAKUTIDAE; LCAM.
- Jalonella** HUPÉ, 1953a [Termierella (Jalonella) celtiberica] Celtiberian Mountains, Spain; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Lusatiops, fide SDZUY, 1961].
- Jangudaspis** OGIENKO in CHERNYSHEVA et al., 1956 [princeps] River Yangud, Siberia, Russia; PTYCHOPARIIDAE; LCAM.
- Janshinicus** KOROBOV, 1989 [aleksandri] Akbashinsky Fm, W Mongolia; JAKUTIDAE; LCAM.
- Japonoscutellum** PRIBYL & VANĚK, 1971b [Scutellum (Japonoscutellum) japonicum KOBAYASHI & HAMADA, 1965] Yokokura-yama, Shikoku, Japan; STYGINIDAE; USIL.
- Jaskovitchella** REPINA in REPINA et al., 1975 [miranda] *Sdzuyella-Aegunaspis* Zone, Turkestan; CHENGKOUIDAE; MCAM [j.s.s. of Acanthomicmacca, fide GEYER & MALINKY, 1997].
- Jasmundia** BUCHHOLZ, 1998 [sola] conglomerate boulder of *Leptoplastus*-Stufe, N Germany; PARABOLINOIDIDAE; UCAM.
- Jasperia** THOMAS & HOLLOWAY, 1988 [Acanthopyge (Mephiarges) bifida EDGELL, 1955] Taemas Fm, New South Wales, Australia; LICHIDAE; LDEV.
- Jeffersonia** POULSEN, 1927 [exterminata] Nunatami Fm, NW Greenland; BATHYURIDAE; LORD.
- Jegorovaia** LU in WANG, 1964 [expansa] Siyangshan Fm, Zhejiang, China; ALSATASPIDIDAE; UCAM.
- Jeholaspis** KOBAYASHI, 1953b [j.o.s. of Saukioides].
- Jemtella** THORSLUND, 1940 [clava] Lower Chasmops Lst, Jemtland, Sweden; ENCRINURIDAE; UORD [j.s.s. of Oedicybele, fide KIELAN, 1957].
- Jenkinsonia** ROBISON, 1971 [yarga] Wheeler Sh, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Jessievillia** HOHENSEE in HOHENSEE & STITT, 1989 [radiatus] Collier Sh, Arkansas, USA; ELVINIIDAE; UCAM.
- Jiagouia** QIU in QIU et al., 1983 [jiagouensis] Hsueh-chuang Fm, Jiangsu, China; SOLENO-PLEURIDAE; MCAM.
- Jialaopsis** QIAN & ZHOU in LU et al., 1974a [latus] Jialao Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Jianchangia** GUO & AN, 1982 [nanshanensis] Manto Fm, Liaoning, China; PTYCHOPARIIDAE; MCAM.
- Jiangjunshania** QIU in QIU et al., 1983 [jiangjunshansensis] Hsueh-chuang Fm, Anhui, China; LORENZELLIDAE; MCAM.

- Jiangnania** LIN & ZHOU in LIN et al., 1983 [miranda] Tuanshan Fm, Jiangsu, China; DICERATOCEPHALIDAE; UCAM.
- Jiangsuaspis** LIN in QIU et al., 1983 [chinensis] Changhia Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Jiangsucephalus** QIU in QIU et al., 1983 [subeiensis] Hsichuang Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Jiangsuia** LIN & ZHOU in LIN et al., 1983 [typica] Yangliugang Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Jiangxiaspis** ZHANG in QIU et al., 1983 [longispinalis] Yinchufu Fm, Jiangxi, China; ALSATASPIDIDAE; LORD.
- Jianxilithus** ZHANG & ZHOU in LU et al., 1976 [latimarginis] Yenwashan Fm, Jiangxi, China; TRINUCLEIDAE; UORD.
- Jiawangaspis** Q.Z. ZHANG in QIU et al., 1983 [dananzhuangensis] Kushan Fm, Jiangsu, China; DAMESELLIDAE; UCAM.
- Jiia** ZHOU & ZHANG, 1978 [ampulliformis] Yehli Fm, Hebei, China; REMOPLEURIDIDAE; LORD.
- Jimachongia** YUAN & YIN, 1998 [lata] Chefu Fm, Guizhou, China; CEDARIIDAE; UCAM.
- Jimanomocare** YUAN & YIN, 1998 [nanum] Chefu Fm, Guizhou, China; ANOMOCARIDAE; MCAM.
- Jimaoshania** QIU in QIU et al., 1983 [conica] Maochuang Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM.
- Jimbokranion** KOBAYASHI & HAMADA, 1984c [subovalis] Kanokura Fm, Japan; PROETIDAE; PERM.
- Jinanaspis** ZHOU & ZHANG, 1984 [scabridum] Wanliangtingia Fm, Jilin, China; LEIOSTEGIIDAE; LORD.
- Jincella** ŠNAJDR, 1957b [Solenopleura prantli RUIČKA, 1946] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM.
- Jinghediscus** XIANG & ZHANG, 1985 [nummularius] *Xystridura* Zone, Xinjiang, China; WEYMOUTHIDAE; MCAM [?j.s.s. of Mallagnostus, fide JELL, 1997].
- Jingheella** XIANG & ZHANG, 1984 [Pseudokainella (Jingheella) jingheensis] Sayram Fm, Xinjiang, China; REMOPLEURIDIDAE; LORD.
- Jingxiania** QIAN in LU et al., 1974b [beigongliensis] Tangcun Fm, Anhui, China; DOKIMOCÉPHALIDAE; UCAM.
- Jingyangua** ZHANG & ZHANG in LU et al., 1974a [zhenbaensis] Shuijingtuo Fm, Shaanxi, China; REDLICHIIDAE; LCAM.
- Jinia** J. ZHANG & WANG, 1985 [liulinensis] Benxi Fm, Shanxi, China; PROETIDAE; PENN.
- Jinnania** LIN & WU in W. ZHANG et al., 1980b [ruichengensis] Hsichuang Fm, Shanxi, China; LORENZELLIDAE; MCAM [j.s.s. of Poriolorenzella, fide JELL, herein].
- Jinshaella** YIN in YIN & LI, 1978 [jinshaensis] Tung-tzu Fm, Guizhou, China; REMOPLEURIDIDAE; LORD.
- Jinxiaspis** GUO & DUAN, 1978 [liaoningaspis] Hsichuang Fm, Liaoning, China; MONKASPIDIDAE; MCAM.
- Jiubaspis** ZHOU & YIN in YIN & LI, 1978 [longus] Kaotai Fm, Guizhou, China; PROASAPHISCIDAE; MCAM.
- Jinmenia** YUAN in W. ZHANG et al., 1980a [typica] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Jiuquania** LI in T. ZHANG, 1981 [Dorypyge (Jiuquania) multiformis] Ermogou Fm, Gansu, China; DORYPYGIDAE; MCAM.
- Jiuxiella** LIU in ZHOU et al., 1977 [laevigata] Sherenwan Fm, Hunan, China; RAPHIOPHORIDAE; MORD.
- Jiwangshania** J. ZHANG & WANG, 1985 [rotundolimbata] Hsichuang Fm, Shanxi, China; TSINANIIDAE; MCAM.
- Jixianaspis** W. ZHANG in W. ZHANG et al., 1995 [lubricus] Hsichuang Fm, Henan, China; WUANIIDAE; MCAM.
- Jixianella** W. ZHANG, 2001 [Jixiania jixianensis W. ZHANG in W. ZHANG et al., 1995] Changhia Fm, Henan, China; PROASAPHISCIDAE; MCAM [replacement name for Jixiania].
- Jixiania** W. ZHANG in W. ZHANG et al., 1995 [preocc. replaced by Jixianella].
- John templeia** EDGEcombe, 1994 [Curriella (Soaria?) prisca LAMONT, 1978] Newlands Fm, Scotland; ENCRINURIDAE; LSIL.
- Jonotus** MEYER, 1848 [reflexus] Eifel, Germany; UNCERTAIN; MDEV.
- Josephulus** WARBURG, 1925 [gracilis] Upper Leptaena Lst, Sweden; PLIOMERIDAE; UORD.
- Josina** LOCHMAN & HU, 1960 [festiva] Park Sh, Wyoming, USA; MENOMONIIDAE; MCAM [j.s.s. of Knechtelia, fide MELZAK & WESTROP, 1994].
- Jubileia** KOBAYASHI, 1938a [grandifrons] Bison Ck Fm, British Columbia, Canada; PTEROCEPHALIIDAE; UCAM.
- Jucundaspis** REPINA, 1980 [severa] Solontsev Horizon, Sayan Altay, S Siberia, Russia; JAKUTIDAE; LCAM.
- Judaiella** LERMONTOVA, 1951b [vermicula] Sinsk Stage, Siberia, Russia; JAKUTIDAE; LCAM.
- Judomia** LERMONTOVA, 1951b [dzevanovskii] *Judomia* Zone, S Siberia, Russia; JUDOMIIDAE; LCAM.
- Judomiella** LAZARENKO, 1962 [hcbca] *Hebediscus-Judomia* Zone, N Siberia, Russia; JUDOMIIDAE; LCAM.
- Jujuyaspis** KOBAYASHI, 1936c [keideli] Purmarca Sh, Jujuy, Argentina; OLENIDAE; LORD.
- Jujuyops** BALDIS & BLASCO in BALDIS et al., 1976 [nonoctubrensis] Lipeón Fm, Jujuy, Argentina; CALMONIIDAE; LSIL.

- Juliaspis** SEMASHKO, 1969 [solida] Amgaian, SE Siberia, Russia; NAMANOIIDAE; MCAM.
- Junggarella** XIANG & ZHANG in T.ZHANG, 1981 [junggarensis] Basitawu Fm, Xinjiang, China; CHEIRURIDAE; UORD.
- Juraspis** EGOROVA in SAVITSKY et al., 1972 [schabanovi] Inikan Fm, Siberia, Russia; ANOMOCARIDAE; MCAM.
- Juriitella** EGOROVA in ASTASHKIN et al., 1981 [verrucosa] Upper Atdaban Horizon, Siberia, Russia; UNCERTAIN; LCAM.
- Kabuqiia** J. ZHANG, 1986 [gangdeershanensis] Changshan Fm, Inner Mongolia, China; SOLENOPLEURIDAE; UCAM.
- Kabutocrania** KOBAYASHI, 1960b [fossula] Changshan Fm, South Korea; KAOLISHANIIDAE; UCAM.
- Kadyella** POKROVSKAYA, 1959 [ubsanurica] Kadyisky Fm, Tuva, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Kailia** W. ZHANG, 1974 [quadrisulcata] Xiushan Fm, Sichuan, China; ENCRINURIDAE; LSIL.
- Kailiella** LU & QIAN in LU et al., 1974a [angusta] Kaili Fm, Guizhou, China; ALOKISTOCARIDAE; MCAM.
- Kainella** WALCOTT, 1925 [Hungaia billingsi WALCOTT, 1925] Chushina Fm, British Columbia, Canada; REMOPLEURIDIDAE; UCAM.
- Kainellina** POLETAEVA, 1945 [kousnezkiensis] River Chernaya Osipovka, Kuznetsk Alatau, Russia; REMOPLEURIDIDAE; LORD.
- Kainelloides** LISOGOR, 1977a [lemi] Tuyuksay Fm, Kazakhstan; REMOPLEURIDIDAE; LORD.
- Kainisiliellina** BALDIS & GONZÁLEZ, 1987 [cuyana] Sierra del Villicun, San Juan, Argentina; ASAPHIDAE; MORD.
- Kainops** RAMSKÖLD & WERDELIN, 1991 [Paciphacops microps CHATTERTON et al., 1979] Garra Fm, New South Wales, Australia; PHACOPIDAE; LDEV.
- Kaipingella** GUO, 1965b [sinica] Changhia Fm, Hebei, China; SOLENOPLEURIDAE; MCAM.
- Kaltykelina** PETRUNINA, 1973 [gracilis] Eltsovsk Fm, Salair, W Siberia, Russia; CERATOPYGIDAE; LORD.
- Kameschkoviella** REPINA, 1960 [zhuravlevae] Zherzhul Fm, E Sayan, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Kaninia** WALCOTT & RESSER, 1925 [lata] Bessimyanfi Fjord, Novaya Zemlya; ASAPHISCIDAE; UCAM.
- Kaniniella** KOBAYASHI, 1938a [concinna] McKay Gp, British Columbia, Canada; ASAPHISCIDAE; UCAM.
- Kaniniella** SIVOV in EGOROVA et al., 1955 [preocc., replaced by Eokaninia].
- Kanlingia** T. ZHANG, 1981 [kalpinensis] Saergen Fm, Xinjiang, China; RAPHIOPHORIDAE; MORD.
- Kannoriella** KIM, 1980 [chungwhaensis] Rimchon Fm, North Korea; DOLICHOMETOPIDAE; MCAM.
- Kanoshia** HARRINGTON, 1957 [Pseudomera kanoshensis HINTZE, 1953] Kanosh Fm, Utah, USA; PLIOMERIDAE; MORD.
- Kaolishania** SUN, 1924 [pustulosa] Changshan Fm, Shandong, China; KAOLISHANIIDAE; UCAM.
- Kaolishaniella** SUN, 1935 [transita] Changshan Fm, Hebei, China; KAOLISHANIIDAE; UCAM.
- Kaotaia** LU in WANG, 1962 [Alokistocare magnum LU, 1946] Kaotai Fm, Hubei, China; ALOKISTOCARIDAE; MCAM.
- Karagandoides** IVSHIN, 1962 [bestubensis] Seletinsky Horizon, Kazakhstan; SOLENOPLEURIDAE; UCAM.
- Karataspis** ERGALIEV, 1983 [blednovi] Kokbulak Fm, Kazakhstan; EULOMIDAE; LORD.
- Karginella** HAHN & HAHN in HAHN, HAHN & RAMOV, 1990 [Phillipsia derbyensis var. kargini WEBER, 1933] Donetz Basin, Russia; PROETIDAE; PENN.
- Karlia** WALCOTT, 1889 [minor] Manuels Fm, Newfoundland, Canada; CORYNEXOCHIDAE; MCAM [j.s.s. of Corynexochus, fide WALCOTT, 1916b].
- Kasachstanaspis** BALASHOVA, 1961 [microurus] Kazakhstan; DIKELOCEPHALIDAE; LORD.
- Kasachstania** MAKSIMOVA, 1972 [Dalmanites saryarkensis MAKSIMOVA, 1960] Kokbaytal Stage, Kazakhstan; DALMANITIDAE; USIL.
- Kasatehaspis** IVSHIN, 1962 [borukaevi] Seletinsky Horizon, Kazakhstan; CREPICEPHALIDAE; UCAM.
- Kaskia** WELLER, 1936 [chesterensis S.WELLER & J.M.WELLER in WELLER, 1936] Renault Fm, Kentucky, USA; PROETIDAE; MISS.
- Kassinius** IVSHIN, 1953 [kassini] Boshchekul Fm, Kazakhstan; NAMANOIIDAE; MCAM.
- Kathleenella** LUDVIGSEN, 1982 [subula] Rabbitkettle Fm, Northwest Territories, Canada; PTYCHASPIDIDAE; UCAM.
- Kathrynina** WESTROP, 1986b [limbata] Mistaya Fm, Alberta, Canada; HARPETIDAE; UCAM.
- Kathwaia** GRANT, 1966 [capitorosa] Middle Productus Lst, Salt Range, Pakistan; PROETIDAE; UPERM.
- Katunia** ROMANENKO & ROMANENKO, 1962 [chachlovi] Suyark Fm, Gorny Shoria, S Siberia, Russia; ANTAGMIDAE; MCAM.
- Katunicare** M. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [visendum] Gorny Altay, S Siberia, Russia; ALOKISTOCARIDAE; MCAM.
- Kaufmannella** SDZUY, 1979 [Kaufmannia lauta SDZUY, 1961] Leimitz Sh, Bavaria, Germany; CERATOPYGIDAE; LORD [replacement name for Kaufmannia].
- Kaufmannia** SDZUY, 1961 [preocc., replaced by Kaufmannella].
- Kawina** BARTON, 1916 [Cheirus vulcanus BIL-LINGS, 1865] Shallow Bay Fm, Newfoundland, Canada; CHEIRURIDAE; MORD.

- Kayseraspis** HARRINGTON, 1938 [asaphelloides] Santa Victoria Group, Argentina; ASAPHIDAE; ORD.
- Kayserops** DELO, 1935 [Cryphaeus kochi KAYSER, 1883] Rhenish Massif, Germany; ACASTIDAE; LDEV.
- Kazelia** WALCOTT & RESSER, 1925 [speciosa] Bessimyanni Fjord, Novaya Zemlya, Russia; CHANGSHANIIDAE; UCAM.
- Kazellina** SIVOV in EGOROVA et al., 1955 [amsassiensis] Gornoshor Fm, Gorny Shoria, Russia; CHANGSHANIIDAE; UCAM [j.s.s. of Kazelia, fide SUVOROVA in CHERNYSHEVA, 1960a].
- Keeleaspis** FRITZ, 1972 [gratia] Sekwi Fm, North West Territories, Canada; EDELSTEINASPIDIDAE; LCAM.
- Kegeliella** LÜTKE, 1990 [Proetus listeri KEGEL, 1926] Giessen, Rhenish Massif, Germany; PROETIDAE; LDEV [j.s.s. of Grastos, fide ADRAIN, 1997].
- Keguqinia** XIANG & ZHANG, 1985 [keguqinensis] Kensay Fm, Xinjiang, China; SOLENOPLEURIDAE; MCAM.
- Keidelaspis** HARRINGTON, 1937 [saltensis] Salta, Argentina; OLENIDAE; LORD [j.s.s. of Angelina, fide HARRINGTON & LEANZA, 1957].
- Keidelia** HARRINGTON & LEANZA, 1957 [macrophthalma] San Juan Lsts, San Juan, Argentina; TELEPHINIDAE; UORD [j.s.s. of Carolinites, fide LOCHMAN in MOORE, 1959].
- Keilapyge** JAANUSSON & RAMSKÖLD, 1993 [Phacops (Pterygometopus) laevigata SCHMIDT, 1881] Jõhvi & Keila Stages, N Estonia; PTERYGOMETOPIDAE; UORD.
- Keithia** RAYMOND, 1924 [schucherti] Gorge Fm, Vermont, USA; PTYCHASPIDIDAE; UCAM.
- Keithiella** RASETTI, 1944 [Arionellus cylindricus BILLINGS, 1860b] Levis Fm, Quebec, Canada; PTYCHASPIDIDAE; UCAM.
- Kendallia** RAASCH in BERG, 1953 [preocc., replaced by Kendallina].
- Kendallina** BERG in MOORE, 1959 [Conocephalites cryon HALL, 1863] Lone Rock Fm, Wisconsin, USA; PARABOLINOIDIDAE; UCAM [replacement name for Kendallia].
- Kennaeryphaeus** LIEBERMAN & KLOC, 1997 [harrisae] Skaneateles Fm, New York, USA; ACASTIDAE; MDEV.
- Kepingaspis** T. ZHANG, 1965 [kepingensis] Tsanglangpu Fm, Xinjiang, China; REDLICHIIDAE; LCAM.
- Kepisis** HU, 1971 [Anomocare stenotoideus MATHEW, 1898] Kennebec River, St. John, New Brunswick; LEIOSTEGIIDAE; UCAM.
- Kerakephalichas** PHLEGER, 1936 [Amphilichas rhinoceras SLOCUM, 1913] Maquoketa Fm, Iowa; LICHIDAE; UORD [j.s.s. of Amphilichas, fide WARBURG, 1939].
- Kerberodiscus** BASSETT et al., 1976 [succinctus] Hell's Mouth Grits, Wales; WEYMOUTHIDAE; LCAM [j.s.s. of Leptochildiscus, fide JELL, 1997].
- Kerbinella** EGOROVA, 1984 [conica] Ust Maik Fm, Aidan R, Siberia, Russia; UNCERTAIN; UCAM [j.s.s. of Sukhanaspis, fide GOGIN & PEGEL, 1997].
- Kerfornella** HENRY, 1976 [Asaphus brevicaudatus DESLONGCHAMPS, 1825] May Fm, Normandy, France; HOMALONOTIDAE; MORD.
- Kernanella** WOLFART, 1974a [kuhbananensis] Sانشih Fm, SE Iran; PTYCHOPARIIDAE; LCAM.
- Kerpenella** BASSE, 2002 [Dechenella klapperi STRUVE, 1992] Kerpen Fm, Rhenish Massif, Germany; PROETIDAE; MDEV.
- Kettneraspis** PRANTL & PŘIBYL, 1949a [Acidaspis pigra BARRANDE, 1872] Acanthopyge Lst, Czech Republic; ODONTOPLEURIDAE; MDEV.
- Ketyna** ROZOVA, 1963 [ketiensis] Ketyisky Horizon, NW Siberia, Russia; EULOMIDAE; UCAM [j.s.s. of Kujandaspis, fide LAZARENKO & NIKIFOROV, 1968].
- Khalfinella** ĚLKIN, 1967 [Proetus carinatus KHALFIN, 1948] Kondratevsk Hill, Gorny Altay, S Siberia, Russia; PROETIDAE; MDEV.
- Kharaunurica** KOROBOV, 1989 [quadratica] Akbashiinsky Fm, W Mongolia; DORYPYGIDAE; LCAM.
- Kielanella** APOLLONOV, 1974 [Cyphoniscus ovalis LISOGOR, 1965] Zharyk Beds, Kazakhstan; ISOCOLIDAE; UORD.
- Kielania** VANĚK, 1963 [Harpes waageni PRANTL & PŘIBYL, 1954] Dvorce-Prokop Lst, Czech Republic; HARPETIDAE; LDEV.
- Kijanelia** REPINA, 1958 [magna] Bazaikh Horizon, Kuznetsk Alatau, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Kilmahogia** LAMONT, 1975 [jamesbeggi] Leny Lst, Scotland; INDET. LCAM.
- Kindbladla** FREDERICKSON, 1948 [Berkeia wichitaensis RESSER, 1942b] Honey Ck, Lst, Oklahoma, USA; DOKIMOCEPHALIDAE; UCAM.
- Kinderlania** ANTSYGIN, 1977 [tschegodaevi] Karakol-Mikhailovsk Horizon, S Urals, Russia; HOLOTRACHELIDAE; LORD.
- Kingaspidoideus** HUPÉ, 1953a [armatus] Jbel Wawrmast Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Kingaspis** KOBAYASHI, 1935c [Anomocare campbelli KING, 1923] Burj Lst, Israel; ELLIPSOCEPHALIDAE; LCAM.
- Kingstonella** ROZOVA, 1960a [Kingstonia walcotti RESSER, 1938b] Nolichucky Fm, Tennessee; KINGSTONIIDAE; UCAM [j.s.s. of Kingstonia, fide ADRAIN, herein].
- Kingstonia** WALCOTT, 1924b [apion] Maryville Fm, Tennessee, USA; KINGSTONIIDAE; UCAM.
- Kingstonioides** RASETTI, 1963a [laevigatus] Levis Fm, Quebec, Canada; KINGSTONIIDAE; MCAM.

- Kiowaia** FREDERICKSON, 1949 [*timberensis*] Honey Ck Fm, Oklahoma, USA; DOKIMOCEPHALIDAE; UCAM.
- Kirengina** OGIENKO, 1974 [*lata*] Ustkut Fm, S Siberia, Russia; UNCERTAIN; UCAM.
- Kirkdomina** TRIPP, 1962 [*williamsi*] Confinis Fm, Scotland; STYGINIDAE; MORD.
- Kirkella** KOBAYASHI, 1942d [*Asaphus? curiosus* BILLINGS, 1865] Stanbridge, Quebec Group, Quebec, Canada; ASAPHIDAE; LORD [*preocc.*, not replaced; s.s.s. of *Ptyocephalus*, fide WHITTINGTON, 1948].
- Kiskinella** ROMANENKO & ROMANENKO, 1962 [*cristata*] Amgaian, Gorny Altay, S Siberia, Russia; EODISCIDAE; MCAM.
- Kistocare** LOCHMAN, 1948 [*corbini*] Los Arroyos Fm, Sonora, Mexico; ALOKISTOCARIDAE; MCAM.
- Kitatella** PETRUNINA in KHALFIN, 1960 [*avlagri*] Choiskaya Fm, Gorny Altay, S Siberia, Russia; HARPIDIDAE; LORD.
- Kjerulfia** KIAER, 1917 [*lata*] Tomten, Norway; HOLMIIDAE; LCAM.
- Klabavia** PŘIBYL & VANĚK, 1969 [*Iliaenus? cuspidatus* HOLUB, 1911] Klabava Fm, Czech Republic; ASAPHIDAE; LMORD.
- Kleptothule** BUDD, 1995 [*rasmusseni*] Buen Fm, N Greenland; UNCERTAIN; LCAM [described as "trilobite-like"].
- Klimaxocephalus** SUN & ZHU in ZHOU et al., 1977 [*verus*] Guangzhuling Fm, Hubei, China; LISANIIDAE; MCAM.
- Klotziella** RAYMOND, 1928 [*Bathyriscus ornatus* WALCOTT, 1908] Stephen Fm, British Columbia, Canada; DOLICHOMETOPIIDAE; MCAM.
- Kloueckia** DELO, 1935 [*Phacops phillipsii* BARRANDE, 1846a] Zaholany Fm, Czech Republic; ACASTIDAE; UORD.
- Knechtelia** LOCHMAN, 1950 [*ann*] Pilgrim Fm, Montana, USA; MENOMONTIDAE; UCAM.
- Kobayashella** IVSHIN, 1962 [*problematica*] Seletinsky Horizon, Kazakhstan; APHELASPIDIDAE; UCAM.
- Kobayashia** HARRINGTON, 1938 [*Xenostegium taurus* WALCOTT, 1925] Chushina Fm, British Columbia, Canada; ASAPHIDAE; LORD.
- Kobayashipeltis** MAKSIMOVA, 1978a [*Scutellum* (*Thysanopeltella*) *paucispinosa* OCUBO, 1951] Japan; STYGINIDAE; MDEV.
- Kobdus** KOROBOV, 1989 [*trapeziformis*] Akbashinsky Fm, W Mongolia; JAKUTIDAE; LCAM.
- Kochaspis** RESSER, 1935 [*Crepicephalus liliana* WALCOTT, 1886] Pioche Sh, Nevada, USA; PTYCHOPARIIDAE; LCAM.
- Kochiella** POULSEN, 1927 [*tuberculata*] Cape Kent Fm, NW Greenland; PTYCHOPARIIDAE; LCAM.
- Kochiellina** PALMER in PALMER & HALLEY, 1979 [*groomensis*] Carrara Fm, Nevada, USA; PTYCHOPARIIDAE; LCAM.
- Kochina** RESSER, 1935 [*Olenopsis americanus* WALCOTT, 1912c] Gordon Fm, Montana, USA; PTYCHOPARIIDAE; MCAM.
- Kodymaspis** PRANTL & PŘIBYL, 1949d [*Iliaenus puer* BARRANDE, 1872] Šárka Fm, Czech Republic; NILEIDAE; MORD.
- Koenigia** SALTER, 1865 [*j.o.s.* of *Homalonotus*].
- Kogenium** KOBAYASHI, 1935c [*rotundum*] *Olenoides* Zone, South Korea; CERATOPYGIDAE; UCAM.
- Koksorenus** KOROJEVA, 1992 [*kazakhstanensis*] Karamolinsk Fm, Kazakhstan; ENCRINURIDAE; UORD.
- Kokuria** KOBAYASHI, 1935c [*typa*] *Kaolishania* Zone, South Korea; ANOMOCARIDAE; UCAM.
- Kolbaspis** REPINA, 1979a [*sajanica*] Sinersky Fm, S Siberia, Russia; REDLICHINIDAE; LCAM.
- Kolbinella** REPINA, 1960 [*prima*] Kolbinsk Fm, E Sayan, Russia; ANOMOCARIDAE; LCAM.
- Koldinia** WALCOTT & RESSER, 1925 [*typa*] Gribovii Fjord, Novaya Zemlya, Russia; PLETHOPELTIDAE; UCAM.
- Koldiniella** SIVOV in EGOROVA et al., 1955 [*mitella*] Salair Fm, Salair, Russia; PLETHOPELTIDAE; UCAM.
- Koldinioidia** KOBAYASHI, 1931 [*typicalis*] Fengshan Fm, Liaoning, China; SHUMARDIIDAE; UCAM.
- Kolihapeltis** PRANTL & PŘIBYL, 1947b [*Bronteus parabolinus* BARRANDE, 1882] Dvorce-Prokop Lst, Czech Republic; STYGINIDAE; LDEV.
- Kollarcephalus** BREZINSKI, 2000b [*granatai*] Caballero Fm, New Mexico, USA; PROETIDAE; MISS.
- Kolpura** RESSER & ENDO, 1937 [*Pterocephalus? liches* WALCOTT, 1911] Mapan Fm, Liaoning, China; PROASAPHISCIDAE; MCAM [*j.s.s.* of *Eymekops*, fide W. ZHANG & JELL, 1987].
- Kolymella** CHUGAEVA, 1973 [*Kawina plana* CHUGAEVA, 1964] Kolyma, NE Siberia, Russia; CHEIRURIDAE; MORD.
- Kolymoproetus** MAKSIMOVA, 1978a [*multisegmentatus*] *Fimbrispirifer pseudoconcinus* Zone, NE Russia; PROETIDAE; LDEV.
- Komaspidella** KOBAYASHI, 1938a [*Agraulos thea* WALCOTT, 1890c] Eau Claire Fm, Wisconsin, USA; KINGSTONIIDAE; UCAM.
- Komaspis** KOBAYASHI, 1935c [*typa*] Machari Fm, South Korea; ELVINIIDAE; UCAM [*j.s.s.* of *Irvingella*, fide W. ZHANG, 2000].
- Koneprusia** PRANTL & PŘIBYL, 1949a [*Acidaspis fuscina* NOVAK, 1883] *Acanthopyge* Lst, Czech Republic; ODONTOPLEURIDAE; MDEV.
- Koneprusites** PŘIBYL, 1964 [*Proetus moestus* BARRANDE, 1852] *Acanthopyge* Lst, Czech Republic; TROPIDOCORYPHIDAE; MDEV.
- Kontrastina** ROZOVA, 1964 [*samodiica*] Sakhaisky Horizon, NW Siberia, Russia; ORDOSIIDAE; MCAM.

- Kootenia** WALCOTT, 1889 [*dawsoni*] Stephen Fm, British Columbia, Canada; DORYPYGIDAE; MCAM.
- Kooteniella** LERMONTOVA, 1940 [Proctus (*Phaeton*) *slatkowskii* SCHMIDT, 1886a] Torgashino district near Krasnoyarsk, S Siberia, Russia; DORYPYGIDAE; LMCAM.
- Kooteniellina** SIVOV in EGOROVA et al., 1955 [*tubaenia*] Sanashtykgol Fm, E Sayan, Russia; DORYPYGIDAE; MCAM.
- Kootenina** FEDYANINA, 1962 [*taisiae*] Mrassk Fm, Gorny Shoria, S Siberia, Russia; DORYPYGIDAE; LCAM.
- Koptura** RESSER & ENDO in KOBAYASHI, 1935c [*Anomocare lisani* WALCOTT, 1911] Changhia Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.
- Kopungiella** KIM, 1980 [*mundokrica*] Rimchon Fm, North Korea; PROASAPHISCIDAE; MCAM.
- Koraipsis** KOBAYASHI, 1934b [*spinus*] Chiklong Lst, South Korea; PILEKIIDAE; LORD.
- Koreaspis** RICHTER, 1942 [inappropriate emendation of *Koraipsis*].
- Kormagnostella** E. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [*glabrata*] Gorny Altay, S Siberia, Russia; AMMAGNOSTIDAE; UCAM [j.s.s. of *Kormagnostus*, fide PENG & ROBISON, 2000].
- Kormagnostus** RESSER, 1938b [*simplex*] Noli-chucky Fm, Tennessee; AMMAGNOSTIDAE; UCAM.
- Korobovia** JELL in BENGTON et al., 1990 [*ocellata*] Oraparinna Sh, South Australia; CALODISCIDAE; LCAM.
- Korolevium** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [*Sphaerexochus arenosus* CHATTERTON & LUDVIGSEN, 1976] Esbataottine Fm, Northwest Territories, Canada; CHEIRURIDAE; UORD. [j.s.s. of *SPHAEREXOCHUS*, fide ADRAIN, herein].
- Kosovopeltis** ŠNAJDR, 1958c [*svobodai*] Kopanina Fm, Czech Republic; STYGINIDAE; USIL.
- Kosovoproetus** ŠNAJDR, 1981b [*mígrenin*] Kopanina Fm, Czech Republic; PROETIDAE; USIL.
- Kotulia** KOBAYASHI, 1943b [*anomocaroides*] *Solenoparia* Zone, Kotui River, Siberia, Russia; ANOMOCARIDAE; MCAM.
- Kotysopeltis** VANĚK et al., 1991 [*kotysensis*] Lochkov Fm, Czech Republic; STYGINIDAE; LDEV.
- Kounamkites** LERMONTOVA in CHERNYSHEVA et al., 1956 [*virgatus*] CHERNYSHEVA in CHERNYSHEVA et al., 1956] Amgaian, River Olenek, N Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Kozlowskiaspis** BRANIŠA & VANĚK, 1973 [*superna*] Icla Fm, Bolivia; CALMONIIDAE; LDEV.
- Krambedrysia** HAHN, HAHN & BRAUCKMANN, 1992 [*kretzorum*] Bromberg Fm, Wuppertal, Rhenish Massif, Germany; PROETIDAE; MISS.
- Krattaspis** ÖPIK, 1937 [*viridatus*] Maekula-Schichten, Estonia; CHEIRURIDAE; LORD.
- Krohbole** KOBAYASHI & HAMADA, 1972 [*Pera-kaspis* (*Krohbolc*) *elongata*] Kroh, Malaysia; TROPIDOCORYPHIDAE; LMDEV.
- Krolina** REPINA, 1960 [*pressulata*] Zherzhul Fm, E Sayan, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Ktenoura** LANE, 1971 [*retrospina*] Much Wenlock Lst Fm, England; CHEIRURIDAE; LSIL.
- Kuanyangia** HUPÉ, 1953a [*Redlichia pustulosa* LU, 1941] Chiungchussu Fm, Yunnan, China; REDLICHIIDAE; LCAM.
- Kueichowia** LU, 1942 [*liui*] Mingxinsi Fm, Guizhou, China; KUEICHOWIIDAE; LCAM.
- Kujandaspis** IVSHIN, 1956 [*kujandensis*] Kuyandinsky Horizon, Kazakhstan; EULOMIDAE; UCAM.
- Kujandina** IVSHIN, 1956 [*taskudukensis*] Kuyandinsky Horizon, Kazakhstan; ELVINIIDAE; UCAM.
- Kuljumbina** LAZARENKO, 1960 [*grandis*] *Faciura-Garbiella* Zone, NW Siberia, Russia; PLETHOPELTIDAE; UCAM.
- Kulmiella** HAHN & HAHN, 1968d [*Phillipsia westphalica* NEBE, 1911] Hagen, Westphalia, Rhenish Massif, Germany; PROETIDAE; MISS.
- Kulmogriffithides** HAHN, HAHN & BRAUCKMANN, 1983 [*Griffithides claviger* SCUPIN, 1900] Jugów, (Hausdorf), Central Sudetes, L Silesia, Poland; PROETIDAE; MISS.
- Kulyumbopeltis** ROZOVA, 1968 [*kulyumbensis*] Entsy Horizon, NW Siberia, Russia; PLETHOPELTIDAE; UCAM [j.s.s. of *Plethopeltoides*, fide GOGIN & PEGEL, 1997].
- Kunmingaspis** W. ZHANG, 1964b [*yunnanensis*] Douposi Fm, Yunnan, China; PTYCHOPARIIDAE; LMCAM.
- Kunshanagnostus** QIAN & ZHOU, 1984 [*kunshanensis*] Kunshan County, Jiangsu, China; AMMAGNOSTIDAE; UCAM [j.s.s. of *Formosagnostus* (= *Hadragnostus*), fide SHERGOLD et al., 1990].
- Kunshanaspis** Q. ZHANG & ZHOU, 1985 [*suzhouensis*] Kunshan County, Jiangsu, China; ORYCTOCEPHALIDAE; LCAM.
- Kuraspis** CHERNYSHEVA in KRYSKOV et al., 1960 [*obscura*] Markhinsk Fm, N Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Kuraspoides** OGIENKO & GARINA, 1999 [*planus*] Malykask Fm, E Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Kuruktaspis** T. ZHANG, 1981 [*convexa*] Torsuqtagh Fm, Xinjiang, China; SHUMARDIIDAE; UCAM.
- Kuruktageella** T. ZHANG, 1981 [*laevigata*] Torsuqtagh Fm, Xinjiang, China; IDAHOIIDAE; UCAM [j.s.s. of *Maladioidella*, fide PENG, 1992].
- Kushanopyge** ZHU, 1959 [*serrata*] Kushan Fm, Liaoning, China; MONKASPIDIDAE; UCAM.

- [j.s.s. of Monkaspis, fide W. ZHANG & JELL, 1987].
- Kutsingocephalus** LI & WANG, 1963 [kutsingensis] Lungwangmiao Fm, Yunnan, China; PROASAPHISCIDAE; LMCAM.
- Kweichowilla** W. ZHANG, 1964a [minuta] Chientsoakou Fm, Guizhou, China; SHUMARDIIDAE; UORD.
- Kymagnostus** HOHENSEE in HOHENSEE & STITT, 1989 [harti] Collier Sh, Arkansas, USA; AGNOSTIDAE; UCAM.
- Kymataspis** GEYER, 1990 [arenosa] Jbel Wawrmast Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Kyphocephalus** MILLER, 1936a [bridgerensis] Galatin Fm, Wyoming, USA; DOKIMOCEPHALIDAE; UCAM.
- Labiostralla** ROZOVA, 1964 [vera] Tavgiysky Horizon, NW Siberia, Russia; PTEROCEPHALIDAE; UCAM.
- Labiostria** PALMER, 1955 [conveximarginata] Riley Fm, Texas, USA; APHELASPIDIDAE; UCAM [j.s.s. of Aphelaspis, fide PALMER, 1965].
- Labiostrina** POLETAEVA in GONCHAROVA et al., 1972 [fortunata] Orlinogor Fm, Salair, Russia; PTEROCEPHALIDAE; UCAM.
- Labradoria** RESSER, 1936 [Conocephalites miscr BILLINGS, 1861a] Forteau Lst, Labrador, Canada; EDELSTEINASPIDIDAE; LCAM.
- Labradorina** IVSHIN, 1979 [edrejensis] Shokpaktassk Fm, central Kazakhstan; EDELSTEINASPIDIDAE; LCAM.
- Lachnostoma** ROSS, 1951 [latucelsum] Garden City Fm, Idaho, USA; ASAPHIDAE; LORD.
- Lacorsalina** BURSKIJ, 1970 [sokoliensis] Pay Khoya, Ural Mtns, Russia; REMOPLEURIDAE; LORD.
- Lacunoporaspis** ĚLKIN, 1966 [contermina] Kireevsk Fm, Gorny Altay, S Siberia, Russia; PROETIDAE; MDEV.
- Ladadiscus** POKROVSKAYA, 1959 [limbatus] Shiveliksky Fm, Tuva, Russia; WEYMOUTHIIDAE; LCAM [j.s.s. of Mallagnostus, fide JELL, 1997].
- Laethoprusia** RAMSKÖLD, 1991a [salax] Slite Fm, Gotland, Sweden; ODONTOPLEURIDAE; LSIL.
- Laevibole** BRAUCKMANN, 1982 [Proetus laevicauda SARRES, 1857] Bromberg Fm, Wuppertal, Rhenish Massif, Germany; PROETIDAE; MISS.
- Lajishanaspis** ZHU in ZHU et al., 1979 [sub-sphaericus] Liudaogou Group, Qinghai, China; CATILLICEPHALIDAE; UCAM.
- Lakaspis** KOBAYASHI, 1937b [Symphysurus apolinista LAKE, 1906] sst, Apolo, Caupolican, Bolivia; NILEIDAE?; LORD.
- Lakella** KOBAYASHI, 1962 [Conocephalus invitus SALTER, 1859] Upper Dolgelly Beds, Wales; REMOPLEURIDAE; UCAM [j.s.s. of Richardsonella, fide RUSHTON, 1982].
- Lalax** HOLLOWAY & LANE, 1998 [preocc., replaced by Liolalax].
- Lamanskytes** BALASHOVA, 1966a [mickwitzi] River Popovka, Estonia; ASAPHIDAE; LORD.
- Laminurus** REPINA in KHALFIN, 1960 [inornatus] Solontsov Horizon, Kuznetsk Alatau, SW Siberia, Russia; PTYCHOPARIIDAE; LCAM.
- Lampropeltis** ÖPIK, 1967 [nitens] Steamboat Sst, Queensland, Australia; PLETHOPELTIDAE; MCAM.
- Lamproscutellum** YIN, 1980 [guizhoucncs] Pagoda Lst, Guizhou, China; STYGINIDAE; UORD.
- Lancastria** KOBAYASHI, 1935c [Olcenopsis roddyi WALCOTT, 1912c] Kinzers Sh, Pennsylvania, USA; ORYCTOCEPHALIDAE; LCAM.
- Landyia** JELL, 1985 [elizabethae] Digger Is Fm, Victoria, Australia; PILEKIIDAE; LORD.
- Lancites** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [Ceraurus polydorus BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; CHEIRURIDAE; MORD.
- Langgonbole** KOBAYASHI & HAMADA, 1973 [vulgaris] Langgon Red Beds, Malaysia; PROETIDAE; UDEV.
- Langgonia** KOBAYASHI & HAMADA, 1971a [biplicata] Setul Lst, W Malaysia; ENCRINURIDAE; LSIL.
- Langqia** YIN in YIN & LI, 1978 [Kaotaia (Langqia) yongyiensis] Gaotai Fm, Guizhou, China; ALOKISTOCARIDAE; MCAM.
- Languedopeltis** PILLET, 1988 [Selenopeltis binodosa DEAN, 1966] Landeyran Beds, Montagne Noire, France; ODONTOPLEURIDAE; LORD [j.s.s. of Selenopeltis, fide RAMSKÖLD, 1991b].
- Langyashania** LU & ZHU, 1980 [distincta] Langyashan Fm, Anhui, China; IDAHOIIDAE; UCAM.
- Lannacus** TJERNVIK, 1956 [Megalaspides nericiensis WIMAN, 1905] Tøyen Fm, Närke, Sweden; ASAPHIDAE; LORD [j.s.s. of Megalaspides, fide FORTEY, 1975].
- Laoyingshania** YUAN & LI, 1999 [triangularis] Laoyingshan Fm, Anhui, China; PTYCHOPARIIDAE; LCAM.
- Lapidaria** TJERNVIK, 1956 [tenella] Tøyen Fm, Västergötland, Sweden; ASAPHIDAE; LORD.
- Lardeuxia** PILLET, 1969a [Unguliproetus andegavensis PILLET, 1965b] Angers Lst, Brittany, France; TROPIDOCORYPHIDAE; LDEV.
- Larifugula** LUDVIGSEN, 1982 [triangulata] Rabbitkettle Fm, District of Mackenzie, NW Canada; KINGSTONIIDAE; UCAM.
- Lasaguaditas** EDGEcombe et al., 1998 [oweni] Las Aguaditas Fm, San Juan, Argentina; ENCRINURIDAE; UORD.
- Lasarchopyge** CHATTERTON et al., 1998 [benedettoi] Las Aguaditas Fm, San Juan Province, Argentina; SCHARYIIDAE; UORD.
- Lashushania** M. ZHANG, 1999 [lashuensis] Changshan Fm, Liaoning, China; SOLENOPLEURIDAE; UCAM.
- Latecephalus** NAN, 1976 [transversus] Inner Mongolia, China; AULACOPLEURIDAE; MDEV.

- Latculoma** DEAN, 1973a [*Euloma* (*Lateuloma*) *latigena*] Sobova Fm, Turkey; EULOMIDAE; LORD.
- Latibole** HAHN & HAHN, 1969 [*Archegonus* (*Latibole*) *paprothae*] Richrath Lst, Sondern, Rhenish Massif, Germany; PROETIDAE; MISS.
- Laticephalus** POKROVSKAYA, 1959 [*trapezoidalis*] Shangansky Fm, Tuva, Russia; EDELSTEIN-ASPIDIIDAE; LCAM.
- Laticoryphe** ERBEN, 1966 [*Proetus barroisi* MAILLÉUX, 1903] Couvin, Belgium: TROPIDOCORYPHIDAE; MDEV.
- Latiglobusia** HAHN, HAHN & BRAUCKMANN, 1994 [*zigleri*] Erdbach Lst, Hessen, Germany; PROETIDAE; MISS.
- Latikingaspis** GEYER, 1990 [*Kingaspis alatus* HUPÉ, 1953a] Jbel Wawrmast Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Latilorenzella** KOBAYASHI, 1960b [*Agraulos divi* WALCOTT, 1905] Hsichuang Fm, Shandong, China; WUANIIDAE; MCAM.
- Latipalacolenus** GUO & AN, 1982 [*latilimbatus*] Jianchang Fm, Liaoning, China; PALAEOLENIDAE; LCAM.
- Latiproetus** LU, 1962 [*Proetus latilimbatus* LU, 1957] Lojoping Fm, Hubei, China; PROETIDAE; LSIL.
- Latiredlichia** HUPÉ, 1953a [*Redlichia saitoi* LU, 1950] Antakkol, North Korea; REDLICHIIDAE; LCAM.
- Latoucheia** HUPÉ, 1953a [*Protolenus latoucheia* COBBOLD, 1910] Comley Lst, England; ELLIPSOCEPHALIDAE; LCAM.
- Latuzella** FEDYANINA & ROMANENKO in REPINA et al., 1999 [*poletaevae*] Usa Fm, Kuznetsk Alatau, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Lauchellum** BASSE, 2002 [*gerolsteinense*] Lauch Fm, Rhenish Massif, Germany; PROETIDAE; MDEV.
- Laudonia** HARRINGTON, 1956 [*bispinata*] Mahto Fm, Alberta, Canada; OLENELLIDAE; LCAM.
- Lauzionella** RASETTI, 1944 [*Dikelocephalus planifrons* BILLINGS, 1860b] Levis Fm, Quebec, Canada; IDAHOIIDAE; UCAM.
- Lavadamia** ADRAIN et al., 2003 [*williamsae*] House Fm, Utah, USA; HYSTRICURIDAE; LORD.
- Lawiaspis** BALASHOVA, 1976 [*Megalaspis gibba* SCHMIDT, 1906] Obuchov Fm, St Petersburg region, Russia; ASAPHIDAE; MORD [j.s.s. of *Rhinoferus*, fide NIELSEN, 1995].
- Lazarenkiura** ROZOVA, 1977 [*Densonella sibirica* LAZARENKO, 1968] Entsiy Horizon, Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Lecanoaspis** IVSHIN, 1962 [*limbata*] Seletinsky Horizon, Kazakhstan; CHEILOCEPHALIDAE; UCAM.
- Lecanopleura** RAYMOND, 1937 [*interrupta*] Rockledge Cgte, Vermont, USA; MARJUMIIDAE; UCAM.
- Lecanopyge** RAYMOND, 1937 [*expansa*] Gorge Fm, Vermont, USA; ILLAENURIDAE; UCAM.
- Lehua** BARTON, 1916 [*Cheirurus vinculum* BARRANDE, 1872] Dobrotivá Fm, Czech Republic; CHEIRURIDAE; MORD.
- Leiagnostus** JAEKEL, 1909 [erraticus] glacial erratic 1st boulder, Rixdorf, N Germany; AGNOSTINA FAMILY UNCERTAIN; LORD.
- Lciaspis** WU & LIN in W. ZHANG et al., 1980b [*shuiyuensis*] Hsichuang Fm, Shanxi, China; TSINANIIDAE; MCAM.
- Leichneyella** ÖPIK, 1967 [*caseyi*] O'Hara Sh, Queensland, Australia; ANOMOCARIDAE; MUCAM.
- Leichuangia** W. ZHANG, 1963 [*Ptychoparia leichuangensis* SUN, 1924] Maochuang Fm, Hebei, China; PROASAPHISCIDAE; MCAM.
- Leimitzia** SDZUY, 1955 [*Conocephalites bavaricus* BARRANDE, 1868] Leimitz Schiefer, Bavaria, Germany; HUNGAIIDAE; LORD.
- Leibienvillia** RASETTI, 1954 [*laevigata*] Shallow Bay Fm, Newfoundland, Canada; OLENIDAE; LORD.
- Leiocoryphe** CLARK, 1924 [*gemma*] Levis Fm, Quebec, Canada; PLETHOPELTIDAE; UCAM.
- Leiolichas** SCHMIDT, 1885 [*Platymetopus illaenoides* NIESZKOWSKI, 1857] Keila Stage, Estonia; LICHIDAE; UORD.
- Leioscutellum** WU, 1977 [*tenuicaudatus*] Leijiadun Fm, Guizhou, China; STYGINIDAE; LSIL.
- Leioshumardia** WHITTINGTON, 1965a [*minima*] Table Cove Fm, Newfoundland, Canada; SHUMARDIIDAE; MORD.
- Leiostegina** KOBAYASHI, 1937b [*inexpectans*] green sst, W of Otavi, Bolivia; HOMALONOTIDAE; UORD.
- Leiostegioides** KOBAYASHI, 1934b [*raymondi*] *Clarkella* Zone, Saisho-ri, South Korea; LEIOSTEGIIDAE; LORD [j.s.s. of *Chosenia*, fide ZHOU & FORTEY, 1986].
- Leiostegium** RAYMOND, 1913b [*Bathyrus quadratus* BILLINGS, 1860b] Beekmantown Group, Quebec, Canada; LEIOSTEGIIDAE; LORD.
- Leiostrototropis** RAYMOND, 1937 [*phlegeri*] Highgate Fm, Vermont, USA; PLIOMERIDAE?; UCAM.
- Leitchia** LAMONT, 1978 [*knockgairdnerensis*] Wether Law Linn Fm, Scotland; ENCRINURIDAE; LSIL [see NOTE 4].
- Lejopyge** HAWLE & CORDA, 1847 [*Battus laevigatus* DALMAN, 1828] *Lejopyge laevigata* Zone, Sweden; PTYCHAGNOSTIDAE; MCAM.
- Lemdadella** SDZUY, 1978 [*spectabilis*] Lemdad Fm, Morocco; REDLICHIIDAE; LCAM.
- Lenacare** EGOROVA in EGOROVA et al., 1976 [*asperum*] Elanskoe Fm, Siberia, Russia; ALOKISTOCARIDAE; MCAM.
- Lenadiscus** REPINA in KHOMENTOVSKY & REPINA, 1965 [*unicus*] Perekhod Fm, Siberia, Russia; YUKONIIDAE; LCAM.
- Lenagraulos** EGOROVA in EGOROVA et al., 1976 [*stabilis*] Elansk Fm, Siberia, Russia; AGRAULIDAE; MCAM.

- Lenallina** REPINA, 1990 [lata] *Pagetiellus anabarus* Zone, SE Siberia, Russia; FALLOTASPIDIDAE; LCAM.
- Lenaspis** SUVOROVA, 1959 [opipara] Olekminsk Horizon, Siberia, Russia; JAKUTIDAE; LCAM.
- Leningradites** BALASHOVA, 1976 [longispinus] Kukruse Stage, St Petersburg region, Russia; ASAPHIDAE; UORD.
- Leocephalus** IVSHIN, 1962 [immitatus] Seletinsky Horizon, Kazakhstan; EUREKIIDAE; UCAM.
- Leoforteyia** WAISFELD et al., 2001 [hintzei] Fillmore Fm, Utah, USA; SHUMARDIIDAE; LORD.
- Leonaspis** RICHTER & RICHTER, 1917 [Odontopleura leonhardi BARRANDE, 1846a] Kopanina Fm, Czech Republic; ODONTOPLEURIDAE; USIL.
- Lepidocephaloides** REPINA in REPINA et al., 1964 [typographical error for Compscephalus on p. 307 – hand corrected by author in copy held by A.R. Palmer – borne out by assignment of type species on p. 308].
- Lepidoproetus** ERBEN, 1951 [Proetus lepidus BARRANDE, 1846a] Lochkov Fm, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Leptagnostus** LU & LIN, 1989 [lanceolatus] Yangliugang Fm, Zhejiang, China; CLAVAGNOSTIDAE; MCAM [j.s.s. of Clavagnostus, fide SHERGOLD & LAURIE, 1997].
- Leptochilodiscus** RASETTI, 1966 [punctulatus] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIDAE; LCAM.
- Leptochuangia** LU & QIAN, 1983a [benxiensis] Changshan Fm, Liaoning, China; LEIOSTEGIDAE; UCAM.
- Leptopilus** RAYMOND, 1924 [dclclivis] Highgate Fm, Vermont, USA; INDET; LORD.
- Leptoplastides** RAW, 1908 [Olenus salteri CAL-LAWAY, 1877] Shineton Sh Fm, England; OLENIDAE; LORD.
- Leptoplastoides** [misspelling of Leptoplastides in MOORE, 1959:111-142].
- Leptoplastus** ANGELIN, 1854 [stenotus] Alum Sh, Sweden; OLENIDAE; UCAM.
- Leptoredlichia** W. ZHANG, 1966 [tumidolimbata] Manto Fm, Anhui, China; REDLICHIIDAE; LCAM.
- Lermontovia** SUVOROVA, 1956 [Protolenus dzevanovskii LERMONTOVA, 1951b] Keteme Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LMCAM.
- Lermontoviella** POKROVSKAYA, 1959 [shanganica] Shangansky Fm, Tuva, Russia; ANTAGMIDAE; LCAM.
- Letniites** ROZOVA, 1977 [Brassiccephalus jakuticus LAZARENKO, 1960] Tavgiisk Horizon, NW Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Leurostega** ROBISON & PANTOJA-ALOR, 1968 [aphelix] Tinu Fm, Oaxaca, Mexico; OLENIDAE; LORD.
- Leviceraurus** HESSIN, 1988 [mammilloides] Co-bourg Fm, Ontario, Canada; CHEIRURIDAE; UORD.
- Levinia** RUSCONI, 1950b [brachypygae] Mendoza, Argentina; INDET; CAM.
- Levisaspis** RASETTI, 1943 [typicalis] Levis Fm, Quebec, Canada; NORWOODIIDAE; LORD.
- Levisella** ULRICH in BRIDGE, 1931 [Dikelocephalus oweni BILLINGS, 1860b] Levis Fm, Quebec, Canada; IDAHOIIDAE; UCAM.
- Levisia** WALCOTT, 1911 [Agraulus agenor WALCOTT, 1905] Changhia Fm, Shandong, China; SOLENOPLEURIDAE; MCAM.
- Lianglangshania** J. ZHANG & WANG, 1985 [hueirensis] Changhia Fm, Shanxi, China; PTYCHOPARIIDAE; MCAM.
- Liangshanaspis** W. ZHANG, 1974 [Homalonotus sinensis LU in WANG, 1962] Yankou Fm, Zhejiang, China, HOMALONOTIDAE; LSIL [j.s.s. of Platycoryphe, fide THOMAS, 1977].
- Liangshandiscus** S. ZHANG in W. ZHANG et al., 1980a [Mianxiandiscus (Liangshandiscus) liangshanensis] Guojiaba Fm, Shanxi, China; TSUNYIDISCIDAE; LCAM [j.s.s. of Tsunyidiscus, fide JELL, 1997].
- Liangshanocephalus** CHEN in LI et al., 1975 [granulatus] Pagoda Lst, Shaanxi, China; ISOCOLIDAE; UORD.
- Lianhuashania** GUO & DUAN, 1978 [convexa] Changhia Fm, Liaoning, China; DOLICHOMETOPIDAE; MCAM.
- Liaoningaspis** ZHU, 1959 [taitzehoensis] Kushan Fm, Liaoning, China; MONKASPIDIDAE; UCAM.
- Liaoningella** LU & QIAN, 1983a [carinata] Changshan Fm, Liaoning, China; MONKASPIDIDAE; UCAM.
- Liaotropis** SCHRANK, 1975 [tropis] Changshan Fm, Liaoning, China; KAOLISHANIIDAE; UCAM.
- Liaotungia** RESSER & ENDO, in KOBAYASHI, 1935c [puteata] Hsichuang Fm, Liaoning, China; CONOCORYPHIIDAE; MCAM [j.s.s. of Bailiella, fide W. ZHANG & JELL, 1987].
- Liaoyangaspis** W. ZHANG, 1959 [Asaphiscus kobayashii RESSER & ENDO, 1937] Hsichuang Fm, Liaoning, China; ASAPHISCIDAE; MCAM [j.s.s. of Lioparia, fide W. ZHANG, 1985].
- Libertella** HU, 1971 [corona] Edinburg Fm, Virginia, USA; ENCRINURIDAE; UORD.
- Lichakephalus** SDZUY, 1955 [erbeni] Leimitz Schiefer, Bavaria, Germany; LICHAKEPHALIDAE; LORD.
- Lichanocoryphe** OWENS & TILSLEY, 1995 [Typhloproetus cephalispina PRENTICE, 1967] Kersdown Chert, England; PROETIDAE; MISS.
- Lichapyge** CALLAWAY, 1877 [cuspidata] Shineton Sh Fm, England; CERATOPYGIDAE; LORD [s.s.s. of Macropyge, fide SHERGOLD & SDZUY, 1984].
- Lichas** DALMAN, 1827 [Entomostracites laciniatus WAHLENBERG, 1821] Dalmanitina Beds, Västergötland, Sweden; LICHIDAE; UORD.

- Lichengaspis** J. ZHANG & WANG, 1985 [*jiaokouensis*] Fengshan Fm, Shanxi, China; PAGODIIDAE; UCAM.
- Lichengia** KOBAYASHI, 1942c [*onigawara*] Licheng Fm, Shanxi, China; SAUKIIDAE; UCAM.
- Lichocephalina** ANTSYGIN, 1973 [*schilikta*] River Ku-Agash, W slopes of S Urals, Russia; LICHACEPHALIDAE; LORD.
- Licocephala** ROSS, 1951 [*bicornuta*] Garden City Fm, Idaho, USA; BAIHYURIDAE; LORD.
- Liexiaspis** LIU, 1982 [*zhengjiaensis*] Fenxiang Fm, Hunan, China; PLIOMERIDAE; LORD.
- Ligiscus** LANE & OWENS, 1982 [*arcanus*] Lafayette Bugt Fm, N Greenland; STYGINIDAE; LSIL.
- Ligomctopus** ULRICH & DELO in DELO, 1940 [*typus*] Edinburg Fm, Virginia, USA; PTERYGOMETOPIDAE; UORD [*j.s.s. of Calyptaulax*, fide COOPER, 1953].
- Limataceps** REPINA, 1969 [*bajangolica*] Sanastytokol Horizon, Tuva, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Limbadiscus** KOROBOV, 1980 [*dilatatum*] Egegynskaya Fm, NW Mongolia; HEBEDISCIDAE; LCAM [*j.s.s. of Natalina*, fide JELL, 1997].
- Limbocalymene** MAKSIMOVA, 1978a [*Calymene kokbaitalensis* MAKSIMOVA, 1968] central Kazakhstan; CALYMENIDAE; LDEV.
- Limniphacos** BLAKER & PEEL, 1997 [*perspicillum*] Buen Fm, NW Greenland; NEVADIIDAE; LCAM.
- Limoulenus** JAGO, 1980 [*trinquo*] Alternances Greso Calcaires, France; ELLIPSOCEPHALIDAE; LCAM.
- Limpeina** OGLENKO, 1984 [*expressa*] Ustkutsk Fm, Siberian Platform, Russia; EULOMIDAE; LORD.
- Linguagnostus** KOBAYASHI, 1939a [*Agnostus kjerulfi* BRÖGGER, 1878] *Paradoxides forchhammeri* Zone, Norway; DIPLAGNOSTIDAE; MCAM.
- Linguaphillipsia** STUBBLEFIELD, 1948 [*terapaisensis*] Malay peninsula; PROETIDAE; MISS.
- Linguaproetus** ALBERTI & RUCHHOLZ, 1964 [*Cornuproetus (Linguaproetus) fornix*] E Herzberg, Harz Mts, Germany; TROPIDOCORYPHIDAE; ?MDEV.
- Lingucephalichas** PHLEGER, 1936 [*Platylichas planifrons* WARBURG, 1925] Leptaena Lst, Dalarna, Sweden; LICHIDAE; UORD [*j.s.s. of Platylichas*, fide TRIPP, 1957].
- Linguchuangia** Q.Z. ZHANG in QIU et al., 1983 [*angulata*] Changshan Fm, Anhui, China; LEIOSTEGIIDAE; UCAM.
- Linguisaukia** PENG, 1984 [*spinata*] Zhuitan Fm, Hunan, China; SAUKIIDAE; UCAM.
- Lingukainella** KOBAYASHI, 1953a [*robusta*] McKay Group, British Columbia, Canada; REMOPLURIDIDAE; LORD.
- Linguocalymene** TOMCZYKOWA, 1991 [*Spathacalymene linguata* TOMCZYKOWA, 1970] *Cucullograptus hemiaversus* Zone, Mielnik borehole, Poland; CALYMENIDAE; USIL.
- Lingyuanaspis** GUO & DUAN, 1978 [*lingyuanensis*] Changshan Fm, Liaoning, China; SOLENOPLEURIDAE; UCAM.
- Liobolc** RICHTER & RICHTER, 1949 [*Phillipsia glabra* HOLZAPFEL, 1889] Erdbach Lst, Herborn, Germany; PROETIDAE; MISS.
- Liobolina** RICHTER & RICHTER, 1951b [*nebulosa*] Hangenberg Lst, Sauerland, Germany; PROETIDAE; MISS.
- Lioalymene** RAYMOND, 1916 [*Hemicrypturus clintonii* VANUXEM, 1842] Clinton Group, New York, USA; CALYMENIDAE; LSIL.
- Liocare** SUVOROVA, 1981 [*lenense*] Ust-Botomsk Fm, Siberia, Russia; ANOMOCARELLIDAE; MCAM.
- Liocephalus** GRÖNWALL, 1902 [*Conocoryphe impressa* LINNARSSON, 1879] Exsulans Lst, Sweden; CONOCORYPHIDAE; MCAM [*j.s.s. of Bailliella*, fide POULSEN in MOORE, 1959].
- Liocnemis** KIELAN, 1960 [*Phacops recurvus* LINNARSSON, 1869] Red Tretaspis Sh, Västergötland, Sweden; PTERYGOMETOPIDAE; UORD.
- Lioharpes** WHITTINGTON, 1950b [*Harpes venulosus* HAWLE & CORDA, 1847] Koneprusy Lst, Czech Republic; HARPETIDAE; LDEV.
- Liokootenia** QIU in QIU et al., 1983 [*obsoleta*] Hsueh-chuang Fm, Anhui, China; DORYPYGIDAE; MCAM.
- Liolalax** HOLLOWAY & LANE, 1999 [*Lalax olibros* HOLLOWAY & LANE, 1998] Mirrabooka Fm, New South Wales, Australia; STYGINIDAE; USIL.
- Liolophops** STRUVE, 1972 [*Phacops (Phacops) sublevatus* STRUVE, 1970] Freilingen-Schichten, Eifel, Germany; PHACOPIDAE; MDEV.
- Liomegalaspides** LU in LU et al., 1974a [*Isotelus usuii* YABE in YABE & HAYASAKA, 1920] Dawan Fm, Hubei, China; ASAPHIDAE; MORD.
- Lioparella** KOBAYASHI, 1937a [*walcotti*] Hsueh-chuang Fm, Shandong, China; PROASAPHIDAE; MCAM.
- Lioparia** LORENZ, 1906 [*blautoeides*] Changhia Fm, Shandong, China; ASAPHIDAE; MCAM.
- Liopeshania** W. ZHANG, 1963 [*Psilaspis ? convexa* ENDO, 1937] Changhia Fm, Liaoning, China; ANOMOCARELLIDAE; MCAM.
- Liopelta** SUVOROVA, 1981 [*Liostracus allachjunensis* LERMONTOVA in CHERNYSHEVA, 1953] Mayaian, E Siberia, Russia; ANOMOCARELLIDAE; MCAM.
- Liosolenopleura** THORAL, 1948 [*serventi*] *Bailliella levyi* Zone, France; SOLENOPLEURIDAE; MCAM.
- Liostracina** MONKE, 1903 [*krausei*] Kushan Fm, Shandong, China; LIOSTRACINIDAE; UCAM.
- Liostracinoidea** RAYMOND, 1937 [*vermontanus*] Gorge Fm, Vermont, USA; PHYLACTERIDAE;

- UCAM [j.s.s. of *Phylacterus*, fide LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989].
- Liostracus** ANGELIN, 1854 [preocc., replaced by *Andrarina*].
- Liparges** GÜRICH, 1901 [j.o.s. of *Dicranogmus*; see THOMAS & HOLLOWAY, 1988].
- Liquania** ZHOU in ZHOU et al., 1982 [latifrons] Fengshan Fm, Shanxi, China; SAUKIIDAE; UCAM.
- Liriannia** SHERGOLD, 1980 [Koldinioidia (*Liriannia*) antyx] Chatsworth Lst, Queensland, Australia; SHUMARDIIDAE; UCAM.
- Lisania** WALCOTT, 1911 [*Anomocarella bura* WALCOTT, 1905] Changhia Lst, Shandong, China; LISANIIDAE; MCAM.
- Lisaniella** W. ZHANG, 1963 [elongata] Changhia Fm, Shandong, China; LISANIIDAE; MCAM [j.s.s. of *Redlichaspis*, fide W. ZHANG & JELL, 1987].
- Lisogoragnostus** ROZOVA in LISOGOR et al., 1988 [kalisae] Shabaktinsk Fm, S Kazakhstan; PERONOPSIDAE; MCAM.
- Lisogoraspis** APOLLONOV, 1974 [mirabilis] Zharyuk, Kazakhstan; CYCLOPYGIDAE; UORD [j.s.s. of *Gastropolus*, fide FORTEY & OWENS, 1987].
- Lisogorites** CHUGAEVA, 1958 [striatus] Kopolin & Karakan Horizons, Chu-Ili Mts, Kazakhstan; ASAPHIDAE; MORD.
- Lispagnostus** ÖPIK, 1967 [lenis] Georgina Lst, Queensland, Australia; AMMAGNOSTIDAE; MUCAM [j.s.s. of *Ammagnostus*, fide SHERGOLD et al., 1990].
- Listroa** PALMER, 1962 [toxoura] Dunderberg Fm, Nevada, USA; APHELASPIDIDAE; UCAM.
- Litagnostoides** SCHRANK, 1975 [minutus] Changshan Fm, Liaoning, China; AMMAGNOSTIDAE; UCAM [j.s.s. of *Kormagnostella* (= *Kormagnostus*), fide SHERGOLD et al., 1990].
- Litagnostus** RASETTI, 1944 [levisensis] Levis Fm, Quebec, Canada; DIPLAGNOSTIDAE; UCAM [j.s.s. of *Pseudagnostus*, fide PENG & ROBISON, 2000].
- Litaspis** SUVOROVA, 1960 [pudens] Olekminsk Horizon, Siberia, Russia; EDELSTEINASPIDIDAE; LCAM.
- Litavkaspis** FATKA et al., 1987 [rejkovicensis] Jince Fm, Czech Republic; AGRAULIDAE; MCAM.
- Litocephalus** RESSER, 1937b [*Dicellocephalus richmondensis* WALCOTT, 1884a] Dunderburg Fm, Nevada, USA; APHELASPIDIDAE; UCAM.
- Litoedia** RESSER, 1938b [typicalis] Rome Fm, Alabama, USA; ANTAGMIDAE; LCAM [j.s.s. of *Onchocephalus*, fide SHAW, 1962].
- Litometopus** RASETTI, 1966 [longispinus] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIDAE; LCAM.
- Litotix** LANE & THOMAS in THOMAS, 1978 [*Illaenus armatus* HALL, 1865] Racine Dol, Illinois, USA; STYGINIDAE; LSIL.
- Liueaspis** NAN in NAN & SHI, 1985 [stalkata] Changhia Fm, Jilin, China; DAMESELLIDAE; UCAM.
- Liushuicephalus** LUO, 1983 [shidianensis] Liushui Fm, Yunnan, China; ASAPHIDAE; UCAM.
- Livia** LENDZION, 1975 [preocc., replaced by *Liwia*].
- Liwia** DZIK & LENDZION, 1988 [convexa] Klimontow Stage, Poland; NEKTASPIDA; LCAM [replacement name for *Livia*].
- Llandovaeaste** EDGEcombe, 1993 [*Acaste birminghamensis* NORFORD, 1972] Red Mountain Fm, Alabama, USA; ACASTIDAE; LSIL.
- Llanoaspidella** TASCH, 1951 [warriorsmarkensis] Warrior Fm, Pennsylvania, USA; LLANOASPIDIDAE; UCAM.
- Llanoaspis** LOCHMAN, 1938a [modesta] Riley Fm, Texas, USA; LLANOASPIDIDAE; UCAM.
- Lloydia** VOGDES, 1890 [*Bathyrus bituberculatus* BILLINGS, 1860b] Beekmantown Fm, Quebec, Canada; LEIOSTEGIIDAE; LORD.
- Lloydolithus** BANCROFT, 1933 [*Trinucleus lloydii* MURCHISON, 1839] Lower Llandeilo Flags, Wales; TRINUCLEIDAE; MORD.
- Lobocephalina** RUZICKA, 1940 [carinata] Jince Fm, Czech Republic; CONOKEPHALINIDAE; MCAM [j.s.s. of *Conocephalina*, fide ŠNAJDR, 1958a].
- Lobocephalus** RUZICKA, 1940 [preocc., replaced by *Ruzickaia*].
- Lobopyge** PŘIBYL & ERBEN, 1952 [*Lichas branikensis* BARRANDE, 1872] Dvorce-Prokop Fm, Czech Republic; LICHIDAE; LDEV.
- Loehkovella** CHLUPÁČ, 1972 [*Phacops miser* BARRANDE, 1852] Lochkov Fm, Czech Republic; PHACOPIDAE; LDEV.
- Loehmanaspis** IVSHIN, 1962 [christinae] Seltinsky Horizon, Kazakhstan; EUREKIIDAE; UCAM.
- Lochmanolenellus** LIEBERMAN, 1998 [*Wanneria mexicana prima* LOCHMAN in COOPER et al., 1952] Puerto Blanco Fm, NW Mexico; OLENELLIDAE; LCAM.
- Lodeniella** PRANTL & VANĚK in HORNÝ et al., 1958 [*Phaetonellus dentatulus* NOVAK, 1890] Liteň Fm, Czech Republic; TROPIDOCORYPHIDAE; LSIL.
- Loeipyge** KOBAYASHI & HAMADA, 1979 [spinifer] Rat Buri Lst, Thailand; BRACHYMETOPIDAE; PERM.
- Loganellus** DEVINE, 1863 [quebecensis (= *Olenus? logani* erected in same paper and referring to same species)] Levis Fm, Quebec, Canada; IDAHOIIDAE; UCAM.
- Loganopeltis** RASETTI, 1943 [depressa] Levis Fm, Quebec, Canada; HARPIDIDAE; LORD.
- Loganopeltoides** RASETTI, 1945a [*Conocephalina zenkeri* BILLINGS, 1860b] Levis Fm, Quebec, Canada; HARPIDIDAE; UCAM.
- Lohanpopsis** LU in LU et al., 1965 [*Kainella lohanpoensis* SHENG, 1958] Panho Fm, Sichuan, China; REMOPLEURIDIDAE; LORD.

- Lomsucaspis** LAZARENKO & DATSENKO, 1967 [Metanomocare perbonum ROZOVA, 1964] Saamsk Horizon, NW Siberia, Russia; ANOMOCARIDAE; UCAM.
- Lonchinouyia** W. ZHANG, 1963 [Agraulos armata WALCOTT, 1906] Hsichuang Fm, Shanxi, China; LORENZELLIDAE; MCAM.
- Lonchobasilicus** ZHOU in CHEN et al., 1980 [caudatus] Gezhuang Fm, Anhui, China; ASAPHIDAE; MORD.
- Lonchocephalus** OWEN, 1852 [chippewaensis] Eau Claire Fm, Wisconsin, USA; LONCHOCEPHALIDAE; UCAM.
- Lonchodomas** ANGELIN, 1854 [Ampyx rostratus SARS, 1835] Vollen Fm, Norway; RAPHIOPHORIDAE; MORD.
- Lonchopygella** XIANG in ZHOU et al., 1977 [megaspina] Baoshan Fm, Yunnan, China; TSINANIDAE; UCAM.
- Longduia** ZHANG & QIAN in LU et al., 1974a [lata] Tsanglangpu Fm, Yunnan, China; YINITIDAE; LCAM.
- Longianda** HUPÉ, 1953a [termieri] Issafen Fm, Morocco; SAUKIANDIDAE; LCAM.
- Longicoryphe** ERBEN, 1966 [Tropidocoryphe novaki BEYER, 1896] Lower Stringocephalus Lst, Haina near Wetzlar, Hessen, Germany; TROPIDOCORYPHIDAE; MDEV.
- Longilobus** ENGEL & MORRIS, 1995 [Griffithides convexicaudatus MITCHELL, 1918] Flagstaff Fm, New South Wales, Australia; PROETIDAE; MISS.
- Longiproetus** CAVET & PILLET, 1958 [Proetus tenuimargo RICHTER, 1909] Junkerberg Fm, Gerolstein, Eifel, Germany; PROETIDAE; MDEV.
- Longlingaspis** LUO, 1983 [luna] Liushui Fm, Yunnan, China; PTEROCEPHALIIDAE; UCAM.
- Longmenshania** LI, 1978 [longmenshanensis] Chiungchussu Fm, Sichuan, China; ESTAINGIIDAE; LCAM.
- Longshania** ZHOU in W. ZHANG et al., 1980a [longshanensis] Longshan, Hunan, China; ANTAGMIDAE; MCAM.
- Longxumentia** GUO & DUAN, 1978 [globosa] Fengshan Fm, Hebei, China; ANOMOCARIDAE; UCAM.
- Longxianaspis** W. ZHANG & ZHU, 1979 [latilimbatus] Houjiashan Fm, Shanxi, China; ESTAINGIIDAE; LCAM.
- Loparella** ROZOVA, 1968 [loparica] Lopari Horizon, NW Siberia, Russia; EULOMIDAE; UCAM.
- Lopeuloma** ROZOVA, 1968 [loparensis] Lopari Horizon, NW Siberia, Russia; EULOMIDAE; UCAM.
- Lophiokephalion** KOBAYASHI, 1988 [antijuba] Sorayama, Fukuji district, Gifu Prefecture, Japan; PROETIDAE; UDEV.
- Lophodesella** WU & LIN in W. ZHANG et al. 1980b [rectangula] Changhja Fm, Shanxi, China; WUANIIDAE; MCAM.
- Lophoholcus** ÖPIK, 1967 [asper] O'Hara Sh, Queensland, Australia; SAUKIIDAE; UCAM.
- Lophosaukia** SHERGOLD, 1972 [torquata] Gola Beds, Queensland, Australia; SAUKIIDAE; UCAM.
- Lopnorites** TROEDSSON, 1937 [rectispinatus] Torsuqtagh Fm, Xinjiang, China; CERATOPYGIDAE; UCAM.
- Lordshillia** WHITTARD, 1966 [confinalis] Mytton Flags Fm, England; TRINUCLEIDAE; LORD.
- Lorentzia** COSSMAN, 1908 [inappropriate proposal as replacement name for Lioparia thought to be preoccupied by Loparia].
- Lorenzella** KOBAYASHI, 1935c [Agraulos abaris WALCOTT, 1905] Hsichuang Fm, Shandong, China; LORENZELLIDAE; MCAM.
- Loriella** FEDYANINA in CHERNYSHEVA, 1971 [reticula] Mundbash Horizon, Gorny Shoria, S Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Lorrettina** SHERGOLD, 1972 [macrops] Gola Beds, Queensland, Australia; DOKIMOCEPHALIDAE; UCAM.
- Loshanella** LU, 1975 [loshanensis] Panho Fm, Sichuan, China; REMOPLEURIDIDAE; LORD.
- Lotagnostus** WHITEHOUSE, 1936 [Agnostus trisectus SALTER, 1864b] White-Leaved-Oak Sh, England, AGNOSTIDAE; UCAM.
- Lotosoides** SHERGOLD, 1975 [Pagodia (Lotosoides) calcarata] Chatsworth Lst, Queensland, Australia; PAGODIIDAE; UCAM.
- Lotzeia** SDZUY, 1958a [lotzei] Murero Fm, Spain; ELLIPSOCEPHALIDAE; LCAM.
- Loulania** T. ZHANG, 1981 [kuruktagensis] Torsuqtagh Fm, Xinjiang, China; MARJUMIIDAE; UCAM.
- Lowtheria** PRIBYL & VANĚK, 1981b [Kielania triabsidata ORMISTON, 1971] Lowther Is, Nunavut, Canada; HARPETIDAE; LDEV [j.s.s. of Kielania, fide EBACH & McNAMARA, 2002].
- Loxonepea** ÖPIK, 1970 [loxophrys] Age Creek Fm, Queensland, Australia; NEPEIDAE; MCAM.
- Loxoparia** RASETTI, 1965a [obliqua] Nolichucky Fm, Tennessee, USA; UNCERTAIN; UCAM.
- Loxopeltis** RASETTI, 1957 [problematica] Mt Whyte Fm, British Columbia, Canada; UNCERTAIN; MCAM.
- Luaspides** DUAN, 1966 [lingyuanensis] Maochuang Fm, Liaoning, China; ANTAGMIDAE; MCAM.
- Luaspis** HUPÉ, 1953a [Pseudoptychoparia reedi LU, 1941] Chiungchussu Fm, Yunnan, China; YUNNANOCEPHALIDAE; LCAM.
- Luaspis** PENG et al., 1995 [preocc., replaced by Luyanhaoaspis].
- Ludvigscnella** TREMBLAY & WESTROP, 1991 [ellipseyga] Sunblood Fm, Northwest Territories, Canada; BATHYURIDAE; MORD [j.s.s. of Psephosthenaspis, fide FORTEY & DROSER, 1996].
- Lugalella** HAHN & WUNN-PETRY, 1983 [pi] *nasutus* Zone, Rhenish Massif, Germany; PROETIDAE; MISS.

- Luguoia** LU & ZHU, 2001 [*luguensis*] Hsuehuangian, Shandong, China; PTYCHOPARIIDAE; MCAM.
- Luhops** ŠNAJDR, 1957b [*Paradoxides expectans* BARRANDE, 1852] Jince Fm, Czech Republic; CENTROPLEURIDAE; MCAM.
- Luia** W. ZHANG, 1959 [*typica*] Changhia Fm, Shandong, China; ANOMOCARELLIDAE; MCAM.
- Luliangshanaspis** J. ZHANG & WANG, 1985 [*kelanensis*] Hsuehuang Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Lulongia** ZHOU & ZHANG, 1978 [*Apatokephalops* (*Lulongia*) *sulca*] Yehli Fm, Hebei, China; REMOPLEURIDIDAE; LORD.
- Lunacephalus** IVSHIN, 1962 [*nitidus*] Seletinsky Horizon, Kazakhstan; PTEROCEPHALIIDAE; UCAM.
- Lunaecrania** KOBAYASHI, 1955b [*trisecta*] McKay Group, British Columbia, Canada; MISSISQUOIIDAE; LORD.
- Lunolenus** SDZUY, 1961 [*luna*] Los Barrios de Luna, Spain; ABADIELLIDAE; LCAM.
- Luojiashania** W. ZHANG, 1974 [*wuchangensis*] Luojiashan Fm, Wuhan, Hubei, China; PROETIDAE; LSIL.
- Luonanocephalus** YANG in YANG et al., 1991 [*luoheensis*] Shangleucun Fm, Shaanxi, China; PROASAPHISCIDAE; MCAM.
- Luotoulingia** LU & QIAN, 1983a [*glossocephala*] Changshan Fm, Liaoning, China; PTEROCEPHALIIDAE; UCAM.
- Lusampa** PETRUNINA, 1990 [*cupoides*] Kamlak Fm, Gorny Altay, Russia; UNCERTAIN; UCAM.
- Lusatiops** RICHTER & RICHTER, 1941a [*Protolenus lusaticus* SCHWARZBACH, 1933] *Lusatiops* Bed. Oberlausitz near Görlitz, Germany; ELLIPSOCEPHALIDAE; LCAM.
- Lutesvillia** CULLISON, 1944 [*bispinosa*] Theodosia Fm, Missouri, USA; BATHYURIDAE; LORD.
- Luvnanodiscus** KOROBOV, 1980 [*gammatus*] Egnogolskaya Fm, NW Mongolia; HEBEDISCIDAE; LCAM.
- Luxella** RASETTI, 1955 [*Ptychoparia lux* WALCOTT, 1917] Peyto Fm, British Columbia, Canada; PTYCHOPARIIDAE; LCAM.
- Luyanhaoaspis** PENG et al., 2001b [*decorosa*] Huaqiao Fm, Hunan, China; ASAPHISCIDAE; MCAM [replacement name for *Luasapis* PENG et al., 1995].
- Luyanhaoia** WITTKE, 1984 [*cribrata*] Mila Fm, Alborz Mts, Iran; EULOMIDAE; UCAM.
- Lycophron** FORTEY & SHERGOLD, 1984 [*rex*] Nora Fm, Queensland, Australia; ASAPHIDAE; LORD.
- Lydiaspis** SUVOROVA, 1981 [*Liostracus religiosus* EGOROVA in EGOROVA & SAVITSKY, 1969] Mayaian, NW Siberia, Russia; ANOMOCARELLIDAE; MCAM.
- Lygdozoon** HOLLOWAY, 1981 [*collatum*] St. Clair Lst, Arkansas, USA; DALMANITIDAE; LSIL.
- Lynaspis** ÖPIK, 1967 [*noakesi*] Georgina Lst, Queensland, Australia; LIOSTRACINIDAE; MUCAM.
- Lyrlichas** WEBER, 1948 [*Lichas* (*Amphilichas*) *bronnikovi* WEBER, 1932] Karatan Range, Turkestan; LICHIDAE; ORD.
- Lyrapyge** FORTEY, 1980 [*ebriosus*] Valhallfonna Fm, Spitsbergen; ENCRINURIDAE; LORD.
- Lyriaspis** WHITEHOUSE, 1939 [*sigillum*] Beetle Creek Fm, Queensland, Australia; PTYCHOPARIIDAE; MCAM.
- Macannia** JELL, 1975 [*Pagetia maladensis* RESSER, 1939b] Langston Lst, Idaho, USA; EODISCIDAE; MCAM.
- Macelloura** RESSER, 1935 [*Illaeurus* ? *dia* WALCOTT, 1890c] Wilberns Fm, Texas, USA; CHEILOCEPHALIDAE; UCAM.
- Machairagnostus** HARRINGTON & LEANZA, 1957 [*tnctus*] *Parabolina argentina* Zone, Salta, Argentina; DIPLAGNOSTIDAE; LORD.
- Mackenziurus** EDGEcombe & CHATTERTON, 1990 [*reimeri*] Delorme Group, Northwest Territories, Canada; ENCRINURIDAE; LSIL.
- Macnairides** LAMONT, 1975 [*munitatus*] Leny Lst, Scotland; UNCERTAIN; LCAM.
- Macroblepharum** ALBERTI, 1964 [*Cornuproetus* (*Macroblepharum*) *africanus*] "Styliolinen Mergelkalk mit *Anarestes lataseptatus*," SE Morocco; TROPIDOCORYPHIDAE; MDEV.
- Macrobole** RICHTER & RICHTER, 1951b [*Cyrtosymbole* (*Macrobole*) *drewerensis*] (*Gattendorfia*-Stufe), Hangenberg Fm, Oberrödinghausen, Rhenish Massif, Germany; PROETIDAE; MISS.
- Macrocerca** PILLET in COURTESOLE et al., 1988 [*Eccaparadoxides macrocercus* COURTESOLE, 1967] Grès schistes et calcaires, France; PARADOXIDAE; MCAM [j.s.s. of *Eccaparadoxides*, fide DEAN & RUSHTON, 1997].
- Macroculites** KOBAYASHI, 1955b [*enigmaticus*] McKay Group, British Columbia, Canada; MISSISQUOIIDAE; LORD [j.s.s. of *Missisquoia* (=Parakoldinoidia), fide DEAN, 1977].
- Macrogrammus** WHITTARD, 1966 [*scyllense*] Mytton Flags Fm, England; PILEKIIDAE; LORD.
- Macronoda** LOCHMAN, 1964a [*prima*] Deadwood Fm, Montana, USA; PTYCHASPIDIDAE; UCAM.
- Macropyge** STUBBLEFIELD in STUBBLEFIELD & BULMAN, 1927 [*chermi*] Shineton Sh, England; CERATOPYGIDAE; LORD.
- Macropygella** ROZOVA in ROZOVA et al., 1985 [*khmelevkensis*] Maslyaninsk Horizon, NW Sibir, Russia; CERATOPYGIDAE; LORD [j.s.s. of *Macropyge*, fide PENG, 1990].
- Macroterolichas** PHILEGER, 1937a [*Lichas* (*Metopias*) *pachyrhina* var. *longicostata* SCHMIDT, 1885] Kunda Stage, Estonia; LICHIDAE; MORD [j.s.s. of *Metopolichas*, fide THOMAS & HOLLOWAY, 1988].

- Macrotoxus** LORENZ, 1906 [*Anomocare angelini* GRÖNWALL, 1902] *Paradoxides davidis* Zone, Bornholm, Denmark; ANOMOCARIDAE; MCAM.
- Madaoyuities** LIU in ZHOU et al., 1977 [major] Madaoyu Fm, Hunan, China; LEIOSTEGIIDAE; LORD.
- Madaraspis** FORTEY & DROSER, 1996 [magnifica] Pogonip Group, Nevada, USA; BATHYURIDAE; MORD.
- Madarocephalus** RESSER, 1938b [laetus] Noli-chucky Fm, Alabama, USA; CATILLICEPHALIDAE; UCAM.
- Madianaspis** W. ZHANG & ZHU, 1979 [Hsuaspis (*Madianaspis*) *houchiuiensis*] Houjiashan Fm, Anhui, China; ESTAINGIIDAE; LCAM.
- Maduiya** ROZOVA, 1963 [maduensis] Maduisky Horizon, NW Siberia, Russia; APHELASPIDIDAE; UCAM.
- Madygenia** PETRUNINA in REPINA et al., 1975 [suavis] *Kielanella-Tretaspis* Zone, Turkestan; RORRINGTONIIDAE; UORD.
- Magnacephalus** STITT, 1971 [smilus] Signal Mountain Lst, Oklahoma, USA; EUREKIIDAE; UCAM.
- Magnomima** LU & QIAN, 1983b [latilimbata] Sandu Fm, SE Guizhou, China; OLENIDAE; UCAM.
- Mahaiella** YIN, 1983 [eleganta] Baizou Fm, Guangxi, China; PROETIDAE; MISS.
- Maiaspis** CHERNYSHEVA in CHERNYSHEVA et al., 1956 [mirabilis] River Olenek, N Siberia, Russia; SOLENOPLEURIDAE; MCAM.
- Maja** LOMOVITSKAYA, 1955 [preocc., replaced by *Erdelia*].
- Majiangia** LU & QIAN, 1983b [majiangensis] Guizhou, China; PTYCHOPARIIDAE; MCAM [j.s.s. of Meitania, fide YUAN et al., 1999].
- Makaspis** BALDIS & HANSEN, 1980 [ypacarayensis] Itacurubi Gp, Paraguay; DALMANITIDAE; LSIL [j.s.s. of Dalmanites, fide EDGECOMBE, pers. comm.].
- Makbelaspis** LISOGOR, 1977a [kirgisisca] Tuyuksay Fm, Kazakhstan; REMOPLEURIDIDAE; LORD.
- Makromuktis** PHLEGER, 1936 [*Dicranopeltis nasuta* WELLER, 1907] "Niagaran" Lst, Wisconsin, USA; LICHIDAE; LSIL [j.s.s. of *Trochurus*, fide THOMAS & HOLLOWAY, 1988].
- Maladia** WALCOTT, 1924b [americana] Ovid Fm, Idaho, USA; EUREKIIDAE; UCAM.
- Maladioidella** ENDO, 1937 [splendens] Daizan Fm, Liaoning, China; IDAHOIIDAE; UCAM.
- Maladioides** KOBAYASHI, 1933a [asiaticus] Changshan Fm, Liaoning, China; ELVINIIDAE; UCAM.
- Maladiopsis** SIVOV, 1940 [togensis] Gornoshorskija Fm, Sayan Altay, Russia; ELVINIIDAE; UCAM.
- Malayaprotus** KOBAYASHI & HAMADA, 1971a [bulbus] Setul Lst, W Malaysia; PROETIDAE; LSIL.
- Malchi** ENGEL & MORRIS, 1994 [magnificus] Malchi Fm, Queensland, Australia; PROETIDAE; MISS.
- Malimanaspis** BALDIS & LONGOBUCCO, 1977 [sarudianskii] Chavela Fm, Argentina; AULACOPLEURIDAE; MUDEV.
- Malinaspis** ANDREEVA, 1985 [tuvaensis] Tarlyk Fm, Tuva, Russia; RAPHIOPHORIDAE; MORD.
- Malladaia** OEHLERT, 1896 [*Cryphaeus* (*Malladaia*) *luciae*] *Cordillera Cantabrica*, Spain; DALMANITIDAE; LDEV.
- Mallagnostus** HOWELL, 1935b [*Aagnostus desideratus* WALCOTT, 1890b] Salem, New York, USA; WEYMOUTHIIDAE; LCAM.
- Malongocephalus** W. ZHANG & LIN in ZHANG et al., 1980a [yunnanensis] Chiungchussu Fm, Yunnan, China; ABADIELLIDAE; LCAM.
- Malongullia** WEBBY et al., 1970 [oepiki] Malongulli Fm, New South Wales, Australia; RAPHIOPHORIDAE; UORD.
- Malungia** LU, 1961 [laevigata] Tsanglangpu Fm, Yunnan, China; DOLEROLENIDAE; LCAM [j.s.s. of *Dolerolenus*, fide JELL herein].
- Malvernia** DELO, 1935 [preocc., replaced by *Heliocephalus*].
- Malvernocare** PŘIBYL & VANĚK, 1978 [*Prantlia grindrodi* OWENS, 1973b] Coalbrookdale Fm, England; PROETIDAE; LSIL [j.s.s. of *Prantlia*, fide ADRAIN, herein].
- Malvinella** WOLFART, 1968 [*Anchiopella haugi* KOZŁOWSKI, 1923] Iela Fm, Bolivia; CALMONIIDAE; LDEV.
- Malvinocooperella** LIEBERMAN, 1993 [pregiganteus] Belén Fm, Bolivia; CALMONIIDAE; LDEV.
- Malykania** SUVOROVA, 1958 [gribovae] Elgyan Fm, Siberia, Russia; JAKUTIDAE; LCAM.
- Manailina** BOGNIBOVA in CHERNYSHEVA, 1971 [plana] Suyark Horizon, E Tannu-Ola, Russia; PTYCHOPARIIDAE; MCAM.
- Manaspis** REPINA, 1960 [oblittera] Zherzhul Fm, E Sayan, Russia; JAKUTIDAE; LCAM.
- Manchuriella** RESSER & ENDO in KOBAYASHI, 1935c [typa] Changhia Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.
- Manchurocephalus** ENDO, 1944 [*Coosia deprati* MANSUY, 1915] Paishan Fm, Liaoning, China; ANOMOCARIDAE; UCAM [j.s.s. of *Paracoosia*, fide LU et al., 1965].
- Manitouella** BERG & ROSS, 1959 [ulrichi] Manitou Fm, Colorado, USA; LEIOSTEGIIDAE; LORD.
- Mannopyge** LUDVIGSEN, 1987 [*Dechenella* (*Dechenella*)? *halli* STUMM, 1953b] Onondaga Lst, New York, USA; PROETIDAE; LDEV.
- Mannschreckia** STITT, 1983 [parva] McKenzie Hill Lst, Oklahoma, USA; CATILLICEPHALIDAE; LORD [j.s.s. of *Theodenisia*, fide ADRAIN, herein].
- Mansiella** ROZOVA, 1968 [mansica] Mansi Horizon, NW Siberia, Russia; ACROCEPHALITIDAE; UCAM.

- Mansuyella** ENDO, 1937 [Coosia tokunagai KOBAYASHI, 1931] Changshan Fm, Liaoning, China; CERATOPYGIDAE; UCAM.
- Mansuyia** SUN, 1924 [orientalis] Changshan Fm, Shandong, China; KAOLISHANIIDAE; UCAM.
- Mansuyites** SHERGOLD, 1972 [futiliformis] Gola Beds, Queensland, Australia; KAOLISHANIIDAE; UCAM.
- Mantoushania** LU et al., 1988 [subconica] Maochuang Fm, Shandong, China; ANTAGMIDAE; MCAM.
- Manublesia** ALVARO, 1996 [Solenopleuropsis verdiagana SDZUY, 1958a] Murero Fm, Spain; SOLENOPLEURIDAE; MCAM.
- Maopingaspis** LIN & YIN in YIN & LI, 1978 [guizhouensis] Mingxinsi Fm, Guizhou, China; REDLICHIIIDAE; LCAM.
- Maotunia** W. ZHANG & JELL, 1987 [semipletra] Hsuehuang Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.
- Mapania** RESSER & ENDO in KOBAYASHI, 1935c [striata] Changhia Fm, Liaoning, China; MAPANIIDAE; MCAM.
- Mapanopsis** W. ZHANG, 1963 [expansus] Changhia Fm, Liaoning, China; MAPANIIDAE; MCAM.
- Marcouella** SHAW, 1966 [Lloydia pinguis BRADLEY, 1925] Beekmantown Group, Quebec, Canada; LEIOSTEGIIDAE; LORD.
- Mareda** KOBAYASHI, 1942c [mukazegata] Fengshan Fm, Shanxi, China; SAUKIIDAE; UCAM.
- Marekolithus** SHAW, 1995 [Cryptolithus kosoviensis MAREK, 1952] Králův Dvůr Fm, Czech Republic; TRINUCLEIDAE; UORD.
- Margodiscus** KOROBOV, 1980 [rackovskii] Egingolskaya Fm, NW Mongolia; CALODISCIDAE; LCAM [j.s.s. of Neocobboldia, fide JELL, 1997].
- Marjulia** WALCOTT, 1916b [typa] Marjum Fm, Utah, USA; MARJUMIIDAE; MCAM.
- Markhaspis** OGIENKO in OGIENKO & SKURATOVA, 1987 [binodaeformis] Chukuksk Fm, SE Siberia, Russia; SOLENOPLEURIDAE; MCAM.
- Marrolithoides** WILLIAMS, 1948 [Marrolithus (Marrolithoides) simplex] Middle Llandeilo Flags, Wales; TRINUCLEIDAE; UORD.
- Marrolithus** BANCROFT, 1929 [Trinucleus ornatus var. favus SALTER, 1847] Upper Llandeilo Flags, Wales; TRINUCLEIDAE; UORD.
- Marsaisia** HUPÉ, 1953a [robaxii] Amoulsck Fm, Morocco; SAUKIANDIDAE; LCAM [j.s.s. of Richterops, fide W. ZHANG et al., 1997].
- Maryvillia** WALCOTT, 1916b [arion] Maryville Lst, Tennessee, USA; KINGSTONIIDAE; UCAM.
- Maspakites** LAZARENKO in LAZARENKO & NIKIFOROV, 1968 [occidentalis] Kulyumbina Fm, NW Siberia, Russia; CONOKEPHALINIDAE; UCAM.
- Matania** RASETTI, 1946b [ovata] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; MCAM.
- Mataninella** SIVOV in EGOROVA et al., 1955 [escharoida] Toletochikhin Fm, Salair, Russia; SOLENOPLEURIDAE; UCAM.
- Matthewlenus** HUPÉ, 1953a [Agraulos? articephalus MATTHEW, 1886] Hanford Brook Fm, New Brunswick, Canada; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Protolenus, fide HENNINGSMOEN in MOORE, 1959].
- Mauraspis** ALBERTI, 1967b [Isoprusia (Mauraspis) cyrius] "Calcaires marmoréens grisbleu," Sidi Abdallah des Rehama, W Morocco; ODONTOPLEURIDAE; MDEV [j.s.s. of either Koneprusia or Isoprusia, fide VANĚK & PEK, 1987].
- Maurotarion** ALBERTI, 1969 [Harpidella maura ALBERTI, 1967b] "Ostrakoden-Kalk", NW Morocco; AULACOPLEURIDAE; USIL [j.s.s. of Goniopleura, fide ADRAIN, herein; *nomen protectum*, see NOTE 5].
- Maustonia** RAASCH in LOCHMAN, 1950 [Conocephalites nasutus HALL, 1863] Franconia Fm, Wisconsin, USA; PARABOLINOIDIDAE; UCAM [j.s.s. of Taenicephalus, fide WESTROP, 1986b].
- Maximovella** PETRUNINA, 1990 [Plethopeltides (Maximovella) improvisus] Kamlak Fm, Gorny Altay, Russia; UNCERTAIN; LORD.
- Mayiella** W. ZHANG, 1966 [tuberculata] Tsanglangpu Fm, Yunnan, China; MAYIELLIDAE; LCAM.
- Mayopyge** ADRAIN & FORTEY, 1997 [zapata] Tourmakeady Lst, Ireland; CHEIRURIDAE; MORD [j.s.s. of Parasphacrexochus, fide ADRAIN, herein].
- Menairia** DEISS, 1939 [inornata] Steamboat Lst, Montana, USA; ALOKISTOCARIDAE; MCAM [j.s.s. of Parehmania, fide HOWELL in MOORE, 1959].
- Meadowtownella** PŘIBYL & VANĚK, 1965 [Primaspis whitei WHITTARD, 1961b] Meadowtown Fm, England; ODONTOPLEURIDAE; MORD.
- Mecophyrs** SHERGOLD, 1982 [mecophyrs] Chatsworth Lst, Queensland, Australia; CHANGSHANIIDAE; UCAM.
- Meeria** FREDERICKSON, 1949 [lirae] Honey Ck Fm, Oklahoma, USA; IDAHOIIDAE; UCAM [j.s.s. of Idahoia, fide BELL & ELLINWOOD, 1962].
- Megadunderbergia** KOBAYASHI, 1938a [convexa] Bison Ck Fm, British Columbia, Canada; ELVINIIDAE; UCAM.
- Megagnostus** ROBISON, 1994 [Agnostus glandiformis ANGELIN, 1851] Andrarum, Sweden; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Megagraulos** KOBAYASHI, 1935c [coreanicus] Changhia Fm, Liaoning, China; WUANIIDAE; MCAM.
- Megalaspidella** KOBAYASHI, 1937b [kayseri] Mudana, S of Humahuaca, Jujuy, Argentina; ASAPHIDAE; LORD [j.s.s. of Asaphellus, fide FORTEY & OWENS, 1987].

- Megalaspides** BRÖGGER, 1886b [*Megalaspis dalecarlicus* HOLM, 1882] Tøyen Fm, Dalarne, Sweden; ASAPHIDAE; LORD.
- Megalaspis** ANGELIN, 1851 [preocc., replaced by *Megistaspis*].
- Megalisania** QIU in QIU et al., 1983 [*curvata*] Changhia Fm, Jiangsu, China; LISANIIDAE; MCAM.
- Megalophthalmus** LORENZ, 1906 [preocc., replaced by *Grandiocus*].
- Megalopsis** QIAN in QIU et al., 1983 [*anhuiensis*] Anhui, China; ANOMOCARELLIDAE; UCAM.
- Megapalacolenus** W. ZHANG, 1966 [*Palaeolenus deprati* MANSUY, 1912] Tsanglangpu Fm, Yunnan, China; PALAEOLENIDAE; LCAM.
- Megaproetus** JELL, 1977b [*cambretus*] Mundubbera Sst. Queensland, Australia; PROETIDAE; MISS.
- Megasaphus** KÁCHA & PETR, 1996 [*Asaphus ingens* BARRANDE, 1846a] Letná Fm, Czech Republic; ASAPHIDAE; UORD.
- Megatemnoura** SUN in ZHOU et al., 1977 [*magna*] Miaopo Fm, Hubei, China; ASAPHIDAE; UORD.
- Megistaspidella** JAANUSSON, 1956 [Entomostacites *extenuatus* WAHLENBERG, 1821] Holen Fm, Östergötland, Sweden; ASAPHIDAE; MORD.
- Megistaspinus** BALASHOVA, 1976 [*Megalaspis polyphemus* BRÖGGER, 1882] locality unknown, Oslo, Norway; ASAPHIDAE; MORD [j.s.s. of *Megistaspis*, fide NIELSEN, 1995].
- Megistaspis** JAANUSSON, 1956 [*Trilobites limbatus* BOECK, 1838] Huk Fm, Norway; ASAPHIDAE; MORD [replacement name for *Megalaspis*].
- Meisteraspis** OGIENKO, 1991 [entis] Udachninsk Fm, SE Siberia, Russia; CONOKEPHALINIDAE; MCAM.
- Meisterella** IVSHIN, 1953 [*meisteri*] Boshchekul Fm, Kazakhstan; CONOKEPHALINIDAE; MCAM.
- Meitanella** LIN & YIN in YIN & LI, 1978 [*hastata*] Mingxinsi Fm, Guizhou, China; YINITIDAE; LCAM.
- Meitania** YUAN in YIN & LI, 1978 [*transversa*] Kaotai Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Meitanillaenus** W. ZHANG, 1974 [*binodosus*] Lungmaxi Fm, Guizhou, China; STYGINIDAE; LSIL.
- Meitanopsis** LU, 1975 [*angulata*] Meitan Fm, Guizhou, China; HUNGAIIDAE; LORD.
- Mekynophrys** HARRINGTON, 1938 [*nanna*] Tumbaya Dept, Jujuy, Argentina; ASAPHIDAE; LORD. [j.s.s. of *Basilicus*, fide ZHOU & FORTEY, 1986].
- Melopetasus** SCHALLREUTER, 1979 [name given to indeterminate ?asaphoid trilobite protaspis].
- Memmatella** W. ZHANG in W. ZHANG et al., 1995 [*tuberculata*] Changhia Fm, Henan, China; PROASAPHISCIDAE; MCAM.
- Mendodiscus** RUSCONI, 1950b [*tuberculatus*] Mendoza, Argentina; INDET; MCAM.
- Mendogaspis** RUSCONI, 1952 [*Zacanthoides trispinatus* RUSCONI, 1949] Isidreana Fm, Mendoza, Argentina; ZACANTHOIDIDAE; MCAM.
- Mendolaspis** RUSCONI, 1951 [*salagastensis*] San Juan Fm, San Juan, Argentina; RAPHIOPHORIDAE; MORD.
- Mendoparabolina** RUSCONI, 1951a [*pirquinensis*] Mendoza, Argentina; OLENIDAE; UCAM [j.s.s. of *Bienvillia*, fide SHERGOLD et al., 1995].
- Mendosina** SHERGOLD, 1975 [*Richardsonella laciniosa* SHERGOLD, 1972] Gola Beds, Queensland, Australia; REMOPLEURIDIDAE; UCAM.
- Mendospidella** RUSCONI, 1952 [*Clavaspidella digesta* LEANZA, 1947] *Glossopleura* Zone, Mendoza, Argentina; DOLICHOMETOPIIDAE; MCAM.
- Meneghinella** BORNEMANN, 1891 [*serrata*] Nebida Fm, Sardinia, Italy; INDET. (fide RASETTI, 1972); LCAM.
- Menevia** LAKE, 1938 [replacement name for *Salteria*] [preocc., replaced by *Meneviella*].
- Meneviella** STUBBLEFIELD, 1951a [*Erinnys venulosa* SALTER in HICKS, 1872] Menevian Beds, S Wales; HOLOCEPHALINIDAE; MCAM. [replacement name for *Menevia*].
- Mengzia** LUO, 1974 [*mengziensis*] Dayakou Fm, Yunnan, China; DORYPYGIDAE; MCAM.
- Meniscocoryphe** LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989 [*Leiocoryphe platycephala* KOBAYASHI, 1935a] Windfall Fm, Nevada, USA; PLETHOPELTIDAE; UCAM.
- Meniscuchus** ÖPIK, 1975b [*menetus*] Cymbric Vale Fm, New South Wales, Australia; WEYMOUTHIIDAE; LCAM.
- Menneraspis** POKROVSKAYA, 1959 [*striatus*] Shiveliksky Fm, Tuva, Russia; MENNERASPIDIDAE; LCAM.
- Menocephalites** KOBAYASHI, 1935c [*Solenopleura acantha* WALCOTT, 1905] Changhia Fm, Shandong, China; SOLENOPELURIDAE; MCAM.
- Menocephalus** OWEN, 1852 [*minnesotensis*] Franconia Fm, Minnesota, USA; INDET; UCAM [type lost in fire (fide KOBAYASHI, 1935c, p. 267)].
- Menomonnia** WALCOTT, 1916a [*Conocephaloides calymenoides* WHITFIELD, 1878] Eau Claire Fm, Wisconsin, USA; MENOMONIIDAE; UCAM.
- Menoparia** ROSS, 1951 [*genalunata*] Garden City Fm, Idaho, USA; REMOPLEURIDIDAE; LORD.
- Menorcaspis** HAHN, HAHN & BRAUCKMANN, 1994 [*tiedti*] N coast of Menorca, Balearen, Spain; PROETIDAE; MISS.
- Mephiarges** RICHTER & RICHTER, 1930 [*Lichas* (*Euarges*) *mephisto* RICHTER & RICHTER, 1918] Gerolstein, Eifel, Germany; LICHIDAE; MDEV.
- Merebolina** GANDL, 1980 [*Achegonus* (*Merebolina*) *merensis*] Mere, Oviedo, Spain; PROETIDAE; PENN.

- Meridioscutellum** FEIST, 1970 [Bronteus meridionalis BARROIS, 1886b] Izarne Fm, Montagne Noire, France; STYGINIDAE; LDEV.
- Meringaspis** ÖPIK, 1967 [meringaspis] O'Hara Sh, Queensland, Australia; DAMESELLIDAE; MUCAM [j.s.s. of Damesops, fide JELL & HUGHES, 1997].
- Merlinia** FORTEY & OWENS, 1978 [rhyakos] Carmarthen Fm, Wales; ASAPHIDAE; LORD.
- Meropalla** ÖPIK, 1967 [quadrans] Mungerebar Lst, Queensland, Australia; LEIOSTEGIIDAE; MCAM.
- Meroperix** LANE, 1972 [ataphrus] Drommebjerg Lst, N Greenland; STYGINIDAE; LSIL.
- Mesagnostus** JAEKEL, 1909 [j.o.s. of Peronopsis].
- Mesetaia** HUPÉ, 1953a [Hartshillia maroccana GIGOUT, 1951] Tamanart Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Kingaspis, fide GEYER, 1990].
- Mesocrepecephalus** KOBAYASHI, 1935e [Crepicephalus damia WALCOTT, 1905] Changhia Fm, Shandong, China; CREPICEPHALIDAE; MCAM [j.s.s. of Crepicephalina, fide W. ZHANG & JELL, 1987].
- Mesoctenopyge** HENNINGSMOEN, 1957 [Ctenopyge spectabilis BRÖGGER, 1882] Slemmestad, Norway; OLENIDAE; UCAM.
- Mesodema** WHITEHOUSE, 1939 [venulosa] Yel-vertoft Beds, Queensland, Australia; REDLICHIIDAE; LCAM [j.s.s. of Redlichia, fide ÖPIK, 1958].
- Mesolenellus** PALMER & REPINA, 1993 [Holmia hyperborea POULSEN, 1974] Buen Fm, N Greenland; OLENELLIDAE; LCAM.
- Mesonacis** WALCOTT, 1885 [Olenus vermontanus HALL, 1859a] Parker Sh, Vermont, USA; OLENELLIDAE; LCAM.
- Mesopagetia** KOBAYASHI, 1943a [Pagetia clytia WALCOTT, 1916b] Spence Sh, Idaho, USA; EODISCIDAE; MCAM [j.s.s. of Pagetia, fide JELL, 1975].
- Mesospheniscus** HAWLE & CORDA, 1847 [cuneifer] Jince Fm, Czech Republic; METAGNOSTIDAE; MCAM [j.s.s. of Diplorrhina, fide ROBISON, 1988].
- Mesotaphraspis** WHITTINGTON & EVITT, 1954 [parva] Edinburg Fm, Virginia, USA; TOERNQUISTIIDAE; UORD.
- Metaacidaspis** QIU in QIU et al., 1983 [beigongensis] Wucun Fm, Anhui, China; LICHACEPHALIDAE; UCAM.
- Metabalangia** QIAN & YUAN in W. ZHANG et al., 1980a [yupingensis] Kaili Fm, Guizhou, China; ORYCTOCEPHALIDAE; MCAM.
- Metabowmania** KOBAYASHI, 1955b [latilimbata] McKay Group, British Columbia, Canada; HYSTRICURIDAE; LORD [j.s.s. of Hillyardina, fide BOYCE, 1989].
- Metacalvinella** LI & YIN in YIN & LI, 1978 [typica] Maotian Fm, Guizhou, China; SAUKIIDAE; UCAM.
- Metacalymene** KEGEL, 1927 [Calymene baylei BARRANDE, 1846a] Kopanina Fm, Czech Republic; CALYMENIDAE; USIL.
- Metacanthina** PILLET, 1954 [Cryphacus barrandei OEHLERT, 1889] Brittany, France; ACASTIDAE; LDEV.
- Metacanthus** HAWLE & CORDA, 1847 [preocc., replaced by Neometacanthus].
- Metachangshania** DUAN, 1966 [orientalis] Changshan Fm, Liaoning, China; CHANGSHANIDAE; UCAM [j.s.s. of Changshania, fide W. ZHANG et al., 1995].
- Metacryphaeus** REED, 1907b [Phacops effer SALTER, 1856] Bokkeveld Group, South Africa; CALMONIIDAE; LDEV.
- Metadiscus** KOBAYASHI, 1943a [Microdiscus sculptus HICKS, 1871] St David's Series, Wales; EODISCIDAE; MCAM [j.s.s. of Dawsonia, fide JELL, 1997].
- Metadoxides** BORNEMANN, 1891 [Paradoxides armatus MENEGHINI, 1881] Punta Manna Fm, Sardinia, Italy; METADOXIDIDAE; LCAM.
- Metagnostus** JAEKEL, 1909 [erraticus] glacial erratic, N Germany (originates from Asaphus Lst of Scandinavia, fide FORTEY, 1980); METAGNOSTIDAE; LORD [j.s.s. of Arthrorhachis, fide SHERGOLD et al., 1990].
- Metagraulos** KOBAYASHI, 1935e [Agraules nitida WALCOTT, 1906] Hsuehuang Fm, Shanxi, China; AGRAULIDAE; MCAM.
- Metaharpes** LAMONT, 1948 [amibouei] Gala Lst boulder, Scotland; HARPETIDAE; LSIL [j.s.s. of Hibbertia, fide PRIBYL & VANĚK, 1986].
- Metaharpides** PILLET & COURTESOLE, 1981 [Harpides neogaeus HARRINGTON & LEANZA, 1957] Salta, Argentina; HARPIDIDAE; LORD.
- Metahypagnostus** QIU in QIU et al., 1983 [Hypagnostus (Metahypagnostus) brachydolonus ZHOU & YANG in QIU et al., 1983] Tuanshan Fm, Anhui, China; PERONOPSIDAE; UCAM [j.s.s. of Hypagnostus, fide SHERGOLD et al., 1990].
- Metakootenia** QIU in QIU et al., 1983 [porosa] Hsuehuang Fm, Anhui, China; DORYPYGIDAE; MCAM.
- Metaliolichas** KOBAYASHI & HAMADA, 1987 [tuberculatus] Shikoku, Japan; LICHIDAE; USIL.
- Metalichas** REED, 1902 [Lichas cicatricosus] Caradocian, Estonia; LICHIDAE; UORD.
- Metalioarella** QIAN & QIU in QIU et al., 1983 [latilimbata] Yangliugang Fm, Anhui, China; MONKASPIDIDAE; MCAM.
- Metalisania** JU in QIU et al., 1983 [subquadrata] Yangliugang Fm, Zhejiang, China; LISANIIDAE; MCAM.
- Metalonchodomas** KOBAYASHI & HAMADA, 1971a [masjidiformis] Setul Lst, W Malaysia; RAPHIOPHORIDAE; LSIL.

- Metanomocare** LERMONTOVA, 1940 [petaloides] *Paradoxides forchhammeri* Zone, Siberia, Russia; ANOMOCARIDAE; MCAM.
- Metanomocarella** W. ZHANG, 1959 [Anomocarella tumida ENDO, 1944] Changhia Fm, Shandong, China; MAPANIIDAE; MCAM.
- Metaphillipsia** REED, 1943a [Asaphus seminiferus PHILLIPS, 1836] Carboniferous Lst, Matlock, England; PROETIDAE; MISS.
- Metapianaspis** QIAN, 1994 [conulus] Changshan Fm, Liaoning, China; POPYRIASPIDIDAE; UCAM.
- Metapilekia** HARRINGTON, 1938 [bilirata] Coquena Sh, Jujuy, Argentina; PILEKIIDAE; LORD.
- Metapliomerops** KOBAYASHI, 1934b [Pilekia extenuata RAYMOND, 1924] Highgate Fm, Vermont, USA; PILEKIIDAE; LORD.
- Metaprodamesella** YUAN & YIN, 2000 [Prodamesella subtriangulata PENG, 1987] Chefu Fm, Hunan, China; UNCERTAIN; UCAM [j.s.s. of Prodamesella, fide PENG et al., 2001a].
- Metapytychopyge** BALASHOVA, 1964 [Asaphus truncatus NIESZKOWSKI, 1859] Estonia; ASAPHIDAE; MORD.
- Metaredlichia** LU in LU et al., 1965 [Redlichia cylindrica W. ZHANG, 1953] Chiungchussu Fm, Hubei, China; REDLICHIIDAE; LCAM.
- Metaredlichioides** QIAN & YAO in LU et al., 1974a [constrictus] Shihpai Fm, Sichuan, China; REDLICHIIDAE; LCAM [j.s.s. of Ushbaspis, fide W. ZHANG et al., 1997].
- Metarthriocephalus** ZHAO & YUAN in YUAN et al., 2002 [spinus] Kaili Fm, Guizhou, China; ORYCTOCEPHALIDAE; MCAM.
- Metascutellum** ŠNAJDR, 1960 [Bronteus pustulatus BARRANDE, 1846a] Dvorce-Prokop Lst, Czech Republic; STYGINIDAE; LDEV.
- Metashantungia** W. ZHANG in ZHU, 1959 [Shantungia brevia WALCOTT, 1913b] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.
- Metayosimuraspis** QIAN, 1985a [latilimbatus] Tangcun Fm, Anhui, China; REMOPLURIDIDAE; UCAM [j.s.s. of Yosimuraspis, fide PENG, 1990].
- Metayuepingia** LU in ZHOU et al., 1977 [angustilimbata] Jiuxi, Hunan, China; ASAPHIDAE; LORD.
- Meteoraspis** RESSER, 1935 [Ptychoparia ? metra WALCOTT, 1890c] Wilbems Fm, Texas, USA; TRICREPICEPHALIDAE; UCAM.
- Metisaspina** SIVOV in EGOROVA et al., 1955 [anomala] Salair Fm, Salair, Russia; ELVINIIDAE; UCAM.
- Metisaspis** RASETTI, 1946b [hispidia] Levis Fm, Quebec, Canada; LLANOASPIDIDAE; UCAM.
- Metisella** RASETTI, 1963a [microphthalma] Levis Fm, Quebec, Canada; PTYCHOPARIIDAE; MCAM.
- Metisia** RESSER, 1937b [Ptychoparia metisensis WALCOTT, 1890b] Levis Fm, Quebec, Canada; MARJUMIIDAE; LCAM [j.s.s. of Modocia, fide PALMER, 1955].
- Metopias** EICHWALD, 1842 [preocc., replaced by Metopolichas].
- Metopolichas** GÜRICH, 1901 [Metopias huebneri EICHWALD, 1842] Tallinna Lst, Estonia; LICHIDAE; MORD [replacement name for Metopias].
- Metopotropis** ÖPIK, 1967 [travesi] Georgina Lst, Queensland, Australia; AURITAMIDAE; MUCAM.
- Metoptogyrus** RAYMOND, 1937 [grandgei] Highgate Fm, Vermont, USA; ASAPHIDAE; LORD [j.s.s. of Niobella, fide SHAW, 1966].
- Mexieaspis** LOCHMAN, 1948 [stenopyge] Los Arrojos Fm, Sonora, Mexico; ZACANTHOIDIDAE; MCAM.
- Mexieella** LOCHMAN, 1948 [mexicana] Los Arrojos Fm, Sonora, Mexico; PTYCHOPARIIDAE; MCAM.
- Mezoerotalus** MAKSIMOVA, 1978b [Cheirus pauper BARRANDE, 1852] Dvorce-Prokop Lst, Czech Republic; CHEIRURIDAE; LDEV [j.s.s. of Crotalocephalina, fide VANĚK & VALÍČEK, 2002].
- Miaculoma** LU & QIAN in YIN & LI, 1978 [Euloma (Miaculoma) subquadrata] Guotang Fm, Guizhou, China; EULOMIDAE; LORD.
- Miagnostus** JAEKEL, 1909 [j.o.s. of Lejopyge].
- Mial** LAMONT, 1975 [lanai] Leny Lst, Scotland; INDET. LCAM.
- Mianxiandiscus** S. ZHANG & ZHU in LI, 1978 [armatus] Chiungchussu Fm, Shaanxi, China; TSUNYIDISCIDAE; LCAM [j.s.s. of Tsunyidiscus, fide W. ZHANG & JELL, 1987].
- Mianxianella** W. ZHANG & LIN in W. ZHANG et al., 1980a [angusta] Yanwangbian Fm, Shaanxi, China; REDLICHIIDAE; LCAM.
- Miaobanpoia** YUAN & ZHAO in YUAN et al., 2002 [typica] Kaili Fm, Guizhou, China; PROASAPHISCIDAE; MCAM.
- Miaopopsis** LU in LU et al., 1965 [Ampyx whittardi YI, 1957] Miaopa Fm, Hubei, China; RAPHIOPHORIDAE; UORD.
- Miboshania** W. ZHANG & Z. Q. ZHOU in W. ZHANG, 1979 [corrugata] Tianjingshan, Ningxia Hui, China; RAPHIOPHORIDAE; LORD [j.s.s. of Jiuxiella, fide ZHOU in ZHOU et al., 1982].
- Micagnostus** HAJRULLINA in REPINA et al., 1975 [rectus] *Pseudanomocarina* Beds, Uzbekistan; PERONOPSIDAE; MCAM.
- Micangshania** ZHOU in LI et al., 1975 [gracilis] Xianudong Fm, Shaanxi, China; REDLICHIIDAE; UNCERTAIN; LCAM.
- Michaspis** EGOROVA & SAVITSKY, 1968 [librata] Mayaian, N Siberia, Russia; PROASAPHISCIDAE; MCAM [j.s.s. of Iranoleesia, fide JELL & HUGHES, 1997].
- Micmacca** MATTHEW, 1895 [matthevi] Hanford Brook Fm, New Brunswick, Canada; CHENGKOUIIDAE; LCAM.

- Micmaccopsis** LERMONTOVA, 1940 [redlichoides] *Protolenus* Zone, Siberia, Russia; ZACANTHOIDIDAE; LCAM.
- Micragnostus** HOWELL, 1935b [Agnostus calvus LAKE, 1906] N Wales; AGNOSTIDAE; LORD.
- Micragraulos** HOWELL, 1937 [franklini] St Albans Sh, Vermont, USA; AGRAULIDAE; MCAM.
- Microdiscus** EMMONS, 1855 [quadricostatus] "Taconic System", New York?, USA; TRINUCLEIDAE?; ORD? [juvenile of unidentified genus, probably trinucleid, fide BARRANDE, 1861].
- Microparia** HAWLE & CORDA, 1847 [speciosa] Kraluv Dvur Fm, Czech Republic; CYCLOPYGIDAE; UORD.
- Microphillipsia** RUGGIERI, 1959 [tetraptera] Sosio Valley, Sicily, Italy; PROETIDAE; UPERM.
- Microplithalmus** GORTANI, 1907 [preocc., replaced by Gortania].
- Micropyge** HAWLE & CORDA, 1847 [bachofenii] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Microrycotocara** SUNDBERG & McCOLLUM, 1997 [nevadensis] Emigrant Fm, Nevada, USA; ORYCTOCEPHALIDAE; MCAM.
- Microscutellum** ŠNAJDR, 1960 [Bronteus hawlei BARRANDE, 1852] Koneprusy Lst, Czech Republic; STYGINIDAE; LDEV.
- Microspatulina** HAHN, HAHN & BRAUCKMANN, 1992 [Phillipsia longicornis KAYSER, 1882] Kiesel Schiefer, Wuppertal, Germany; PROETIDAE; MISS.
- Mictosaukia** SHERGOLD, 1975 [Tellerina orientalis RESSER & ENDO, 1937] Fengshan Fm, Liaoning, China; SAUKIIDAE; UCAM.
- Mictosaukioidia** LU & ZHOU, 1990 [transita] Maotian Fm, Guizhou, China; SAUKIIDAE; UCAM.
- Milaspis** SIVOV in KHALFIN, 1960 [erbica] Sanashtykol Horizon, Kuznetsk Alatau, Russia; CORYNEXOCHIDAE; LCAM.
- Milesdavis** LIEBERMAN, 1994 [eldredgci] Much Wenlock Lst Fm, England; PROETIDAE; LSIL [j.s.s. of Hedstroemia, fide ADRAIN, 1997].
- Milesia** CHAPMAN, 1929 [preocc., replaced by Xystridura].
- Millardia** WALCOTT, 1916a [preocc. replaced by Densonella].
- Mimana** KOBAYASHI, 1935c [eurycephala] *Dictya* Zone, South Korea; ?KAOLISHANIIDAE; UCAM.
- Mimocryphaeus** GANDL, 1972 [altecostatus] Badenas-Schichten, Fombeuna, NE Spain; ACASTIDAE; USIL.
- Mindycrusta** ÖPIK, 1967 [mindycrusta] Georgina Lst, Queensland, Australia; ASAPHISCIDAE; MUCAM.
- Minicephalus** LOCHMAN & HU, 1960 [primus] DuNoir Fm, Wyoming, USA; ILLAENURIDAE; UCAM.
- Minkella** LOCHMAN & HU, 1959 [americana] St Charles Fm, Idaho, USA; PARABOLINOIDIDAE; UCAM.
- Minupeltis** PALMER, 1960 [conservator] Dunderberg Fm, Nevada, USA; SOLENOPLEURIDAE; UCAM.
- Minusella** REPINA, 1966 [incorrect spelling of Minusinella].
- Minusinella** REPINA in KHALFIN, 1960 [lochmanae] Kuznetsk Alatau, Siberia, Russia; METADOXIDIDAE; LCAM.
- Mioculoma** LU & QIAN in ZHOU et al., 1977 [subquadrata] Gaotan Fm, Guizhou, China; EULOMIDAE; LORD [j.s.s. of Proteuloma, fide LU & ZHOU, 1990].
- Mioptychopyge** ZHOU et al., 1998a [Ptychopyge trinodosa T. ZHANG, 1981] Dawangou Fm, Xinjiang, China; ASAPHIDAE; MORD.
- Miquelina** THORAL, 1935 [Asaphellina miqueli BERGERON, 1893] Montagne Noire, France; TAIHUNGSHANIIDAE; LORD [j.s.s. of Taihungshania, fide KOBAYASHI, 1951b].
- Mirabole** OSMÓLSKA, 1962 [Cyrtosymbole (Mirabole) kielanae] *Gattendorfia* Zone, Holy Cross Mts, Poland; PROETIDAE; MISS.
- Miraculaspis** E. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [picta] Gorny Altay, S Siberia, Russia; ?CONDYLOPYGIDAE; LCAM.
- Miracybele** WHITTINGTON, 1965a [Encrinurus mirus BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; ENCRINURIDAE; MORD [j.s.s. of Cybelurus, fide BURSKII, 1970].
- Miranda** EGOROVA, 1984 [lepida] Ust Maisk Fm, Aldan R., E Siberia, Russia; CONOKEPHALINIDAE; UCAM.
- Miranella** POKROVSKAYA in KHALFIN, 1960 [convexa] Sanashtykol Horizon, Tuva, Russia; CORYNEXOCHIDAE; LCAM.
- Miraspis** RICHTER & RICHTER, 1917 [Odontopleura mira BARRANDE, 1846a] Liteň Fm, Czech Republic; ODONTOPLEURIDAE; LSIL.
- Miriproetus** ŠNAJDR, 1977 [Cornuproetus mirificus PRIBYL, 1965] Vinarice Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Mirops** ŠNAJDR, 1987b [Ormathops mirus ŠNAJDR, 1956] Liteň Fm, Czech Republic; DALMANITIDAE; UORD [j.s.s. of Mytocephala, fide PEK & VANEK, 1989].
- Mischynogorites** BALASHOVA, 1976 [Asaphus brachyrachis TÖRNQUIST, 1884] Dalarna, Sweden; ASAPHIDAE; LORD.
- Missisquoia** SHAW, 1951 [typicalis] Gorge Fm, Vermont, USA; MISSISQUOIIDAE; LORD [j.s.s. of Parakoldinioidia, fide FORTEY, 1983].
- Misszhonia** CHEN et al., 1997 [Naraoia longicaudata W. ZHANG & HOU, 1985] Chiungchussu Fm, Yunnan, China; NEKTASPIDA; LCAM.
- Mitchellaspis** HENNINGSMOEN in MOORE, 1959 [Encrinurus duntroonensis ETHERIDGE & MITCHELL, 1916] Riverside Fm, Australian

- Capital Territory, Australia; ENCRINURIDAE; USIL [replacement name for Mitchellia; j.s.s. of Batocara, fide STRUSZ, 1980].
- Mitchellia** VOGDES, 1917 [preocc., replaced by Mitchellaspis].
- Modellops** LIEBERMAN & KLOC, 1997 [Greenops struvei MORZADEC, 1969] Kerdrèlot Fm, Brittany, France; ACASTIDAE; LDEV. [j.s.s. of Hollardops, fide MORZADEC, 2001]
- Modocia** WALCOTT, 1924b [Arionellus (Crepicephalus) oweni MEEK & HAYDEN, 1861] Deadwood Fm, South Dakota, USA; MARJUMIDAE; UCAM.
- Mohicana** COBBOLD, 1910 [lata] Strenuella Lst, England; ELLIPSOCEPHALIDAE; LCAM.
- Monadella** BARRANDE, 1847 [unnecessary emendation of Monadina].
- Monadina** BARRANDE, 1846a [omicron] Jince Fm, Czech Republic; SOLENOPLURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Monanocephalus** LIN & WU in W. ZHANG et al., 1980b [zhongtiaoshanensis] Hsuchuang Fm, Shanxi, China; PTYCHOPARIIDAE; MCAM.
- Monaxagnostus** LIU, 1982 [yongshunensis] Yongshun, Hunan, China; AGNOSTINA FAMILY UNCERTAIN; MCAM [j.s.s. of Peratagnostus (=Phaldagnostus), fide PENG & ROBISON, 2000].
- Monella** BATES, 1968 [perplexa] Carmel Fm, Wales; LEIOSTEGIIDAE; LORD [j.s.s. of Annamitella, fide WHITTINGTON in NEUMAN, 1972].
- Mongolodiscus** KOROBOV, 1980 [zaicevi] Egyngolsky Fm, W Mongolia; YUKONIIDAE; LCAM [j.s.s. of Egyngolia, fide JELL, 1997].
- Monkaspis** KOBAYASHI, 1935c [Anomocare raulis WALCOTT, 1905] Kushan Fm, Shandong, China; MONKASPIDIDAE; UCAM.
- Monocheilus** RESSER, 1937b [Conocephalites anatinus HALL 1863] Franconia Fm, Wisconsin, USA; DIKELOCEPHALIDAE; UCAM.
- Monodechenella** STUMM, 1953a [Proetus macrocephalus HALL, 1861a] Hamilton Group, New York, USA; PROETIDAE; MDEV.
- Monorachus** CLARKE, 1897 [unjustified emendation of Monorakos].
- Monorakos** SCHMIDT, 1886a [Phacops (Monorakos) lopatini] Mangaziean Stage, Tunguska River, Siberia, Russia; PTERYGOMETOPIIDAE; UORD.
- Monorhachis** VOGDES, 1925 [unjustified emendation of Monorakos].
- Monosulcatina** ROZOVA, 1963 [laeve] Khantaisky Horizon, NW Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Moosia** WALCOTT, 1924b [grandis] Goodsir Fm, British Columbia, Canada; ELVINIIDAE; UCAM [j.s.s. of Elvinia, fide PALMER, 1965].
- Mopanshanian** GUO & ZAN in GUO et al., 1996 [fuxianensis] Maochuang Fm, Liaoning, China; PTYCHOPARIIDAE; MCAM.
- Moravocoryphe** PŘIBYL & VANĚK, 1978 [Eodrevermannia kettneri CHLUPÁČ, 1965] Moravia, Czech Republic; PROETIDAE; MDEV.
- Morgatia** HAMMANN, 1972 [Phacopidella (Prephacopidella) hupei NION & HENRY, 1966] Postolonnec Fm, Brittany, France; DALMANITIDAE; MORD.
- Morocconites** STRUVE in BOUCOT et al., 1989 [mal-ladoides] Erfoud, Morocco; ACASTIDAE; LMDEV.
- Morosa** PALMER, 1960 [longispina] Dunderberg Fm, Nevada, USA; PTEROCEPHALIIDAE; UCAM.
- Moschoglossis** GOLDRING, 1958 [decorata] Lower Limestone Sh, England; PROETIDAE; MISS.
- Moxomia** WALCOTT, 1924b [Crepicephalus (Bathyrurus?) angulatus HALL & WHITFIELD, 1877] Chusina Fm, British Columbia, Canada; OLENIDAE; LORD.
- Mrakibina** MORZADEC, 2001 [cattoi] El Oftal Fm, Morocco; ACASTIDAE; MDEV.
- Mrsassina** REPINA in REPINA et al., 1964 [submissa] Solontsov Horizon, Kuznetsk Alatau, Russia; PTYCHOPARIIDAE; LCAM.
- Muchattellina** REPINA in KHOMENTOVSKY & REPINA, 1965 [translatia] Taryn Horizon, Siberia, Russia; UNCERTAIN; LCAM.
- Mucronaspis** DESTOMBES, 1963 [Dalmanitina (Mucronaspis) termieri] Ktaoua Fm, Morocco; DALMANITIDAE; UORD.
- Mufushania** LIN, 1965 [nankingensis] ???Taishan Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM.
- Mukrania** BUCHHOLZ, 1997b [Liostracus pusillus WESTERGÅRD, 1922] *Parabolina spinulosa* Zone, Sweden; SOLENOPLURIDAE; UCAM.
- Mulciberaspis** VANĚK et al., 1992 [Bronteus richteri BARRANDE, 1852] Dvorce Prokop Lst, Czech Republic; STYGINIDAE; LDEV.
- Multiasaphus** BALASHOVA, 1976 [Asaphus eichwaldi var. knyrkoi SCHMIDT, 1901] Obuchov Fm, Sapolek, Russia; ASAPHIDAE; MORD [j.s.s. of Neosaphus, fide NIELSEN, 1995].
- Mummaspis** FRITZ, 1992 [Wanneria occidens WALCOTT, 1913a] Mahto Fm, Alberta, Canada; OLENELLIDAE; LCAM.
- Mundocephalina** REPINA, 1958 [pervulgata] Bazaikh Horizon, Kuznetsk Alatau, Russia; ?ESTAINGIIDAE; LCAM.
- Mungyongia** KOBAYASHI, 1961 [tulipiformis] Nisusia Lst, South Korea; AGRAULIDAE; MCAM.
- Munija** KHRAMOVA, 1980 [gloriosa] Chukuksk Fm, E Siberia, Russia; SOLENOPLURIDAE; UCAM.
- Murphycops** LESPÉRANCE, 1968 [skidmorei] White Head Fm, Quebec, Canada; PHACOPIIDAE; LSIL [j.s.s. of Acernaspis, fide HOWELLS, 1982].
- Myinda** STUBBLEFIELD in STUBBLEFIELD & BULMAN, 1927 [uriconii] Shineton Sh Fm, England; TRINUCLEIDAE; LORD.

- Myindella** HUTCHISON & INGHAM, 1967 [crux] Shingleton Sh Fm, England; TRINUCLEIDAE; LORD.
- Myoproetus** MAKSIMOVA, 1978a [j.o.s. of *Myoproetus*, ŠNAJDR].
- Myoproetus** ŠNAJDR, 1976a [*Proetus myops* BARRANDE, 1846a] Koneprusy Lst, Czech Republic; PROETIDAE; MDEV.
- Myopsolenus** HUPÉ, 1953a [magnus] Tamanart Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Myopsomicmacca** HUPÉ, 1953a [*Micmacca protolenoides* COBBOLD, 1931a] *Olenellus* Lst, Shropshire, England; CHENGKOUIDAE; LCAM [j.s.s. of *Acanthomicmacca*, fide GEYER & MALINKY, 1997].
- Myopsostrenua** RUSHTON, 1966 [sabulosa] Purley Sh, England; ELLIPSOCEPHALIDAE; LCAM.
- Myrmecomimus** ÖPIK, 1979 [tribulis] V Creek Lst, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM.
- Mystrocephala** WHITTINGTON, 1960 [*Cordania pulchra* COOPER & CLOUD, 1938] Taghanic Stage, Illinois, USA; BRACHYMETOPIDAE; MDEV.
- Mytocephala** STRUVE, 1958a [*Dalmanites oriens* var. *mytoensis* KLOUČEK, 1916] Dobrotivá Fm, Czech Republic; DALMANITIDAE; MORD.
- Myttonia** WHITTARD, 1955 [confusa] Mytton Flags Fm, England; TRINUCLEIDAE; LORD.
- Nadiyella** ROMANENKO, 1988 [exacta] *Glyptagnostus reticulatus* Zone, Gorny Altay, Russia; ANOMOCARIDAE; MUCAM.
- Nagaproetus** ŠNAJDR, 1977 [*Cornuproetus* (*Eremiproetus*) *ferentarius agnatus* PRIBYL, 1966] *Acanthopyge* Lst, Czech Republic; TROPIDOCORYPHIDAE; MDEV.
- Nahannagnostus** PRATT, 1992 [*Pseudagnostus nganasanicus* ROZOVA, 1964] Nganasansky Horizon, NW Siberia, Russia; DIPLAGNOSTIDAE; UCAM.
- Nahannia** CHATTERTON & LUDVIGSEN, 1976 [*humilisulcata*] Esbataottine Fm, Northwest Territories, Canada; ASAPHIDAE; UORD.
- Nahannicephalus** PRATT, 1992 [mackenziei] Rabbitkettle Fm, North West Territories, Canada; LLANOASPIDIDAE; UCAM.
- Namanoia** LERMONTOVA, 1951b [namancensis] Kutorgina Fm, Siberia, Russia; NAMANOIDAE; LCAM.
- Nambeatella** LEGG, 1976 [fitzroyensis] Emanuel Fm, Western Australia; RAPHIOPHORIDAE; LORD.
- Namiolenoides** RUSCONI, 1952 [asperoensis] Mendoza, Argentina; DORYPYGIDAE; MCAM.
- Namuraspis** GANDL, 1980 [ovcdensis] Meré, Oviedo, Spain; PROETIDAE; PENN.
- Namuropyge** RICHTER & RICHTER, 1939b [demaneti] culll, Bioul, Belgium; AULACOPLEURIDAE; MISS.
- Nandanaspis** ZHANG & YIN in YIN & LI, 1978 [laevigatus] Tangding Fm, Guangxi, China; PHACOPIIDAE; MDEV.
- Nangocephalus** YUAN in W. ZHANG et al., 1980a [*Danzhaiaspis* (*Nangocephalus*) *vigilans*] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Nangaoia** ZHOU in LU et al., 1974a [megaceps] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Nangaops** YUAN & SUN in LU et al., 1974a [elongatus] Chongyang Fm, Hubei, China; PTYCHOPARIIDAE; MCAM.
- Nanillaenus** JAANUSSON, 1954 [*Illaeus conradi* BILLINGS, 1859] Black River Group, Ontario, Canada; ILLAENIDAE; MORD.
- Nankinolithus** LU, 1957 [nankinensis] Tangtou Fm, Jiangsu, China; TRINUCLEIDAE; UORD.
- Nanlingia** WEI & ZHOU in QIU et al., 1983 [caudata] Hanjiang Fm, Jiangxi, China; CYCLOPYGIDAE; UORD [j.s.s. of *Girvanopyge*, fide FORTEY & OWENS, 1987].
- Nannopeltis** HARRINGTON & LEANZA, 1957 [*Hysterolenus modesta* HARRINGTON, 1938] San Bernado Fm, Salta, Argentina; CERATOPYGIDAE; LORD.
- Nanoqia** POULSEN, 1964 [arctica] Cape Wood Fm, NW Greenland; PTYCHOPARIIDAE; MCAM.
- Nanshanaspis** W. ZHANG & FAN, 1960 [levis] Yaomoshan Fm, Gansu, China; RAPHIOPHORIDAE; UORD.
- Nanshihmenia** W. ZHANG & FAN, 1960 [rcctangula] Yaomoshan Fm, Gansu, China; UNCERTAIN; UORD.
- Naraoia** WALCOTT, 1912d [compacta] Burgess Sh, British Columbia, Canada; NEKTASPIDA; MCAM.
- Narinosa** QIAN, 1994 [rectangula] Changshan Fm, Liaoning, China; CHANGSHANIIDAE; UCAM.
- Nasocephalus** WILSON, 1954 [nasutus] Woods Hollow Sh, Texas, USA; MARJUMIIDAE; UCAM.
- Nassovia** HOWELL, 1937 [*Liostracus globiceps* GRÖNWALL, 1902] *Paradoxides davidis* Zone, Bornholm, Denmark; PTYCHOPARIIDAE; MCAM.
- Natalina**, E. ROMANENKO in REPINA & ROMANENKO, 1978 [incita] Sanashtykgol Horizon, Gorny Altay, S. Siberia, Russia; HEBEDISCIDAE; LCAM.
- Natatoraspis** PRIBYL, 1967 [*Proetus natator* BARRANDE, 1852] Vinarice Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV [j.s.s. of *Eremiproetus*, fide ALBERTI, 1969].
- Natmus** JELL, 1985 [victus] Digger Island Fm, Victoria, Australia; EULOMIDAE?; LORD.
- Naustia** LUDVIGSEN, 1982 [papilio] Rabbitkettle Fm, NW Canada; REMOPLEURIDIDAE; UCAM.
- Nebidella** RASETTI, 1972 [limbata] Nebida Fm, Sardinia, Italy; REDLICHIIDAE; LCAM [j.s.s. of *Conoredlichia*, fide JELL, herein].

- Nehanniaspis** FRITZ, 1972 [prima] Sekwi Fm, North West Territories, Canada; EDELSTEINASPIDIDAE; LCAM.
- Neilsoniella** LAMONT, 1975 [agnesae] Leny Lst, Scotland; INDET. LCAM.
- Neimonggolaspis** J. ZHANG & LIU, 1991 [parvus] Kushan Fm, Inner Mongolia, China; CREPICEPHALIDAE; UCAM.
- Nelegeria** KOROBV, 1966a [lata] Sekten Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Nelgokia** PEGEL in EGOROVA & PEGEL, 1979 [strobilata] Ust-Botomsk Fm, Siberia, Russia; ALOKISTOCARIDAE; MCAM.
- Nellina** POKROVSKAYA in ZHURAVLEVA et al., 1967 [miranda] Sanashtykol Horizon, Tuva, Russia; CHENGKOUASPIDIDAE; LCAM [j.s.s. of Terechtaspis, fide W. ZHANG et al., 1997].
- Nelsonia** PALMER & GATEHOUSE, 1972 [schesis] Nelson Lst, Antarctica; PTYCHOPARIIDAE; MCAM.
- Neltneria** HUPÉ, 1953a [Wanneria jacqueti NELTNER & POCTEY, 1949] Issafen Fm, Morocco; NELTNERIIDAE; LCAM.
- Neoaerocephalites** SIVOV in EGOROVA et al., 1955 [togensis] Gornoshor Fm, Gorny Shoria, Russia; SOLENOPLEURIDAE; UCAM.
- Neognostus** KOBAYASHI, 1955b [aspidooides] Mc Kay Gp, British Columbia, Canada; DIPLAGNOSTIDAE; UCAM [j.s.s. of Pseudorhaptagnostus, fide NIELSEN, 1997].
- Neonanomocarella** XIANG in EGOROVA et al., 1963 [asiatica] Changshan Fm, Hunan, China; ANOMOCARELLIDAE; UCAM.
- Neosaphius** JAANUSSON, 1953 [Asaphus ludibundus TÖRNQUIST, 1884] Dalby Fm, Dalarna, Sweden; ASAPHIDAE; UORD.
- Neobigotina** CHERNYSHEVA in CHERNYSHEVA & ROMANENKO, 1977 [sera] Khomustakhsk Fm, Siberia, Russia; BIGOTINIDAE; LCAM.
- Neoealmonia** PILLET, 1969b [quadricostata] Badragha, central Afghanistan; ACASTIDAE; UDEV.
- Neocheiruroides** YIN in YIN & LI, 1978 [Cheiruroides (Neocheiruroides) shiqianensis] Jindingshan Fm, Guizhou, China; ORYCTOCEPHALIDAE; LCAM.
- Neohilonorria** RUSCONI, 1953 [coronillensis] Mendoza, Argentina; INDET; CAM.
- Neocobboldia** RASETTI, 1952 [Cobboldia dentata LERMONTOVA, 1940] Perckhod Fm, Siberia, Russia; CALODISCIDAE; LCAM [replacement name for Cobboldia].
- Neodamesella** NAN & ZAN, 1985 [Damesella quadrata RESSER & ENDO, 1937] Kushan Fm, Liaoning, China; DAMESELLIDAE; UCAM.
- Neoglaphyraspis** YUAN & YIN, 1998 [Glaphyraspis (Neoglaphyraspis) nitida] Chefu Fm, Guizhou, China; LONCHOCEPHALIDAE; UCAM.
- Neogriffithides** TOUMANSKY, 1935 [gemmellaroii] Marta River, Crimea, Ukraine; PROETIDAE; LPERM.
- Neohedinaspis** XIANG & ZHANG, 1984 [xinjiangensis] Sayram Fm, Xinjiang, China; CERATOPYGIDAE; LORD.
- Neokaskia** HAHN, HAHN & OWENS in HAHN & HAHN, 1991 [Griffithides baungensis GHEYSELINCK, 1937] Kazanian, Timor, Indonesia; PROETIDAE; UPERM.
- Neokoehina** NAN & SHI, 1985 [fuminensis] Changhia Fm, Jilin, China; PTYCHOPARIIDAE; MCAM.
- Neolenus** MATTHEW, 1899a [Ogygia serrata ROMINGER, 1887] Stephen Fm, British Columbia, Canada; DORYPYGIDAE; MCAM [j.s.s. of Olenoides, fide KOBAYASHI, 1935c].
- Neoliehas** CURTIS & LANE, 1998 [Lichas norvegicus ANGELIN, 1854] Solvik Fm, Norway; LICHIDAE; LSIL.
- Neometacanthus** RICHTER & RICHTER, 1948 [Phacops stellifer BURMEISTER, 1843] Eifel, Germany; ACASTIDAE; MDEV [replacement name for Metacanthus HAWLE & CORDA].
- Neoolenus** LIU, 1982 [minor] Qiangongping Fm, Hunan, China; OLENIDAE; LORD.
- Neopagetina** POKROVSKAYA in CHERNYSHEVA, 1960a [Pagetina rjonsnitzkii LERMONTOVA, 1940] Kutorgina Fm, Siberia, Russia; HEBE-DISCIDAE; LCAM [replacement name for Pagetina].
- Neoparabolina** NIKOLAISEN & HENNINGS-MOEN, 1985 [Olenus frequens BARRANDE, 1868] Leimitz Schiefer, Bavaria, Germany; OLENIDAE; LORD.
- Neopeltis** Q.Z. ZHANG in QIU et al., 1983 [elongata] Shiniapan Fm, Anhui, China; ASAPHIDAE; LORD.
- Neophillipsia** GHEYSELINCK, 1937 [Phillipsia (Neophillipsia) decurtata] Wichita, Kansas, USA; PROETIDAE; PERM [j.s.s. of Ditomopyge, fide OWENS, 1983].
- Neopoliellina** REPINA in REPINA et al., 1964 [latiforma] Sanashtykol Horizon, Kuznetsk Alatau, Russia; DOLICHOMETOPIDAE; LCAM.
- Neoprobolium** STRUVE, 1958c [Asaphus nasutus CONRAD, 1841] Schoharie Fm, New York, USA; DALMANITIDAE; LDEV [replacement name for Probolium].
- Neoprodamesella** YUAN & YIN, 2000 [spinosa] Chefu Fm, Guizhou, China; UNCERTAIN; MUCAM [j.s.s. of Prodamesella, fide PENG et al., 2001a].
- Neoproetus** TESCH, 1923 [Proetus (Neoproetus) indicus] Bitauini, Timor, Indonesia; PROETIDAE; UPERM.
- Neopsiloecephalina** YIN in YIN & LI, 1978 [zunyiensis] Guniutan Fm, Guizhou, China; NILEIDAE; MORD.

- Neoredlichia** SAITO, 1936 [*Redlichia nakamurai* SAITO, 1934] Upper Redlichia Sh, NW Korea; REDLICHIIDAE; LCAM.
- Neoredlichina** FEDYANINA, 1962 [longiena] Mrassk Fm, Gorny Shoria, S Siberia, Russia; EDELSTEINASPIDIDAE; LCAM.
- Neoscutellum** MAKSIMOVA, 1978a [*Bronteus orientalis* MAKSIMOVA, 1955] Frasnian, E Urals, Russia; STYGINIDAE; UDEV.
- Neoshirakiella** SUN in SUN & XIANG, 1979 [yunnanensis] Baoshan Fm, Yunnan, China; SHIRAKIELLIDAE; UCAM.
- Neosolenopleurella** QIU in QIU et al., 1983 [typica] Yangliugang Fm, Zhejiang, China; SOLENOPLEURIDAE; MCAM.
- Neosynphoria** PILLET, 1954 [j.o.s. of *Synphoria*].
- Neotaeniccephalus** KOBAYASHI, 1955b [obsolcta] McKay Group, British Columbia, Canada; INDET.; LORD.
- Nepea** WHITEHOUSE, 1939 [narinosa] Split Rock Fm, Queensland, Australia; NEPEIDAE; MCAM.
- Nephranomma** ERBEN, 1952 [*Phacopidella* (*Nephranomma*) *drepanomma*] Zorgensis limestones, Harz Mts, Germany; PHACOPIDAE; LMDEV.
- Nephranops** RICHTER & RICHTER, 1926 [*Phacops* (*Trimeroccephalus*) *incisus* ROEMER, 1866] Iberg Lst, Rübeland, Harz Mts, Germany; PHACOPIDAE; UDEV.
- Nephrolenellus** PALMER & REPINA, 1993 [*Olenellus multinodus* PALMER in PALMER & HALLEY, 1979] Carrara Fm, Nevada, USA; OLENELLIDAE; LCAM.
- Neptunagnostella** PEK, 1977 [*Agnostus consors* HOLUB, 1912] Klabava Fm, Czech Republic; METAGNOSTIDAE; LORD [j.s.s. of *Geragnostus*, fide SHERGOLD et al., 1990].
- Nericella** ROZOVA, 1964 [diffusa] Sakhaisk Horizon, NW Siberia, Russia; MARJUMIIDAE; MCAM.
- Nericia** WESTERGÅRD, 1948 [quinquedentata] *Lejopyge laevigata* Zone, Sweden; MARJUMIIDAE; MCAM.
- Nericiaspis** TJERNVIK, 1955 [*Jujuyaspis?* *robusta* TJERNVIK, 1953] *Peltura* Zone, Sweden; OLENIDAE; UCAM.
- Nerudaspis** PŘIBYL & VANĚK, 1965 [*Asaphus alienus* BARRANDE, 1872] Šárka Fm, Czech Republic; ASAPHIDAE; MORD.
- Neseuretinus** DEAN, 1967 [*Neseuretus* (*Neseuretinus*) *turcicus*] Bedinan Fm, SE Turkey; CALYMENIDAE; UORD.
- Neseuretus** HICKS, 1873 [ramsayensis] Ogof Hên Fm, Wales; CALYMENIDAE; LORD.
- Nevadella** RAW, 1936 [*Callavia eucharis* WALCOTT, 1913a] Mahto Fm, Alberta, Canada; NEVADIIDAE; LCAM.
- Nevadia** WALCOTT, 1910 [weeksii] Silver Peak Gp, Nevada, USA; NEVADIIDAE; LCAM.
- Nganasanella** ROZOVA, 1963 [nganasanensis] Nganasansky Horizon, NW Siberia, Russia; APHELASPIDIDAE; UCAM.
- Ngaricephalus** YANG, 1990 [ngariensis] lower Lazi Section, Ngari district, Zanda county, Tibet, China; PLIOMERIDAE; LORD.
- Nicoljarvius** LAMONT, 1975 [minans] Leny Lst, Scotland; INDET.; LCAM.
- Nidanshania** ZHOU in ZHOU et al., 1996 [pandacta] Liudaogou Fm, Qinghai, China; ORDOSIIDAE; UCAM.
- Nieszkowskia** SCHMIDT, 1881 [*Sphaerexochus cephaloceros* NIESZKOWSKI, 1857] Kukruse Stage, Estonia; CHEIRURIDAE; UORD.
- Nilegna** ÖPIK, 1967 [sigmata] Georgina Lst, Queensland, Australia; SOLENOPLEURIDAE; MUCAM.
- Nileoides** RAYMOND, 1920 [*Nilcus perkinsi* RAYMOND, 1910a] Upper Chazy Gp, Vermont, USA; ASAPHIDAE; UORD.
- Nilcus** DALMAN, 1827 [*Asaphus* (*Nilcus*) *armadillo*] Holcn Lst, Sweden; NILEIDAE; LORD.
- Ninadiscus** KOROBOV, 1980 [strobulatus] Egyngolsky Fm, NW Mongolia; WEYMOUTHIIDAE; LCAM.
- Ninaspis** IVSHIN, 1956 [tchernyshevae] Kuyandinsky Horizon, Kazakhstan; SOLENOPLEURIDAE; UCAM.
- Ningkianites** LU, 1975 [ningkianensis] Siliangssu Fm, Shaanxi, China; ASAPHIDAE; LORD.
- Ningkianolithus** LU, 1954a [*Cryptolithus welleri* ENDO, 1932] Siliangssu Fm, Sichuan, China; TRINUCLEIDAE; MORD.
- Ninglangia** LU in LU et al., 1976 [yunnanensis] Purple Sh, Yunnan, China; ILLAENIDAE; LORD.
- Ningnanaspis** SHENG, 1974a [ningnanensis] Jiaqiao Fm, W Sichuan, China; ODONTOPLEURIDAE; MORD.
- Ningqiangaspis** W. ZHANG & LIN in W. ZHANG et al., 1980a [ningqiangensis] Chiungchussu Fm, Shaanxi, China; REDLICHIIDAE; LCAM.
- Ningxiaspis** W. ZHANG & ZHU, 1979 [ningxiaensis] Houjiashan Fm, Ningxia Hui, China; ESTAINGIIDAE; LCAM.
- Niobe** ANGELIN, 1851 [*Asaphus frontalis* DALMAN, 1827] Östergötland, Sweden; ASAPHIDAE; LORD.
- Niobella** REED, 1931b [*Niobe homfrayi* SALTER, 1866a] Tremadoc Series, Wales; ASAPHIDAE; LORD.
- Niobides** HARRINGTON & LEANZA, 1957 [armatus] Acoite Fm, Salta, Argentina; ASAPHIDAE; LORD.
- Niobina** LAKE, 1946 [davidis] Tremadoc Series, Wales; ASAPHIDAE; LORD.
- Nipponargcs** KANEKO, 1984 [mediosulcatus] Kitakami Mts, NE Japan; LICHIDAE; MDEV.
- Nipponaspis** KOIZUMI, 1972 [takaizumii] *Yabeina* Zone, Fukushima, Japan; PROETIDAE; UPERM.
- Nipponocalymene** KANEKO, 1985 [hamadai] Kitakami Mts, NE Japan; CALYMENIDAE; MDEV.

- Nitidocare** PŘIBYL et al., 1985a [*Arethusa nitida* BARRANDE, 1846a] Liteň Fm, Czech Republic; PROETIDAE; LSIL.
- Nitidulopyge** PŘIBYL & ERBEN, 1952 [*Lichas nitidulus* BARRANDE, 1872] Dvorce-Prokop Lst, Czech Republic; LICHIDAE; LDEV [j.s.s. of *Perunaspis*, fide VANĚK, 1959].
- Niuchangella** W. ZHANG, 1974 [*meitanensis*] Lungmachi Fm, Guizhou, China; SCHARYIIDAE; LSIL.
- Nixonella** LOCHMAN in LOCHMAN & DUNCAN, 1944 [*montanensis*] Pilgrim Fm, Montana, USA; LLANOASPIDIDAE; UCAM [j.s.s. of *Genevievella*, fide PRATT, 1992].
- Nobiliasaphus** PŘIBYL & VANĚK, 1965 [*Asaphus nobilis* BARRANDE, 1846a] Zaholany Fm, Czech Republic; ASAPHIDAE; UORD.
- Nodiceps** SUVOROVA, 1959 [*onerosa*] Olekminsk Horizon, Siberia, Russia; EDELSTEINASPIDIDAE; LCAM.
- Nodiphillipsia** KOBAYASHI & HAMADA, 1984b [*Pseudophillipsia spatulifera* KOBAYASHI & HAMADA, 1980b] Kanokura Fm, Japan; PROETIDAE; PERM.
- Noelaspis** LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989 [*bilobata*] Shallow Bay Fm, Newfoundland, Canada; IDAHOIIDAE; UCAM.
- Nomadinis** ÖPIK, 1967 [*pristinus*] O'Hara Sh, Queensland, Australia; MONKASPIDIDAE; MUCAM.
- Nonix** LANE, 1984 [*sauroter*] Offley Is Fm, N Greenland; LICHIDAE; LSIL [j.s.s. of *Dicranopeltis*, fide ADRAIN, herein].
- Norasaphites** FORTEY & SHERGOLD, 1984 [*monroeae*] Nora Fm, Northern Territory, Australia; ASAPHIDAE; LORD.
- Norasaphus** FORTEY & SHERGOLD, 1984 [*Norasaphus (Norasaphus) skalis*] Nora Fm, Queensland, Australia; ASAPHIDAE; LORD.
- Nordia** ROZOVA, 1968 [*lepida*] Yuraki Horizon, NW Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Norinia** TROEDSSON, 1937 [*convexa*] Xianggultage Fm, Xinjiang, China; ASAPHIDAE; LORD.
- Norwoodella** RESSER, 1938b [*Norwoodia saffordi* WALCOTT, 1916a] Nolichucky Fm, Tennessee, USA; NORWOODIIDAE; UCAM.
- Norwoodia** WALCOTT, 1916a [*gracilis*] Conasauga Fm, Alabama, USA; NORWOODIIDAE; UCAM.
- Norwoodina** LOCHMAN, 1940 [*Norwoodia tenera* WALCOTT, 1916a] Weeks Fm, Utah, USA; NORWOODIIDAE; UCAM [j.s.s. of *Hardyoides*, fide PALMER, 1965].
- Notaiella** OGIENKO, 1974 [*plana*] Ustkut Fm, S Siberia, Russia; PLEHOPELTIDAE; LORD.
- Notasaphus** GREGORY, 1903 [*fergusoni*] Knowsley East Fm, Victoria, Australia; DORYPYGIDAE; MCAM [j.s.s. of *Kootenia*, fide THORSLUND, 1949].
- Notoaphelaspis** JELL in POWELL et al., 1981 [*orthocephalis*] Cupala Creek Fm, New South Wales, Australia; APHELASPIDIDAE; UCAM.
- Notocoryphe** RUSCONI, 1950c [*andinus*] Mendoza, Argentina; SOLENOPELURIDAE; MCAM.
- Notopeltis** HARRINGTON & LEANZA, 1957 [*Megalaspidella orthometopa* HARRINGTON, 1938] Coquena Sh, Jujuy, Argentina; ASAPHIDAE; LORD.
- Novakaspis** PŘIBYL, 1946 [*Cyphaspsis barrandeii* HAWLE & CORDA, 1847] Zlichov Fm, Czech Republic; AULACOPLEURIDAE; LDEV [j.s.s. of *Cyphaspsis*, fide PŘIBYL & VANĚK, 1981].
- Novakella** WHITTARD, 1961a [*Aeglina bergeroni* KLOUČEK, 1916] Šárka Fm, Czech Republic; CYCLOPYGIDAE; MORD.
- Novaspis** WHITTINGTON, 1941a [*Tretaspis elevata* COOPER & KINDLE, 1936] Quebec, Canada; TRINUCLEIDAE; UORD.
- Novoagnostus** NIELSEN, 1997 [*Arthrorhachis longicollis* RAYMOND, 1925] Table Cove Fm, Newfoundland, Canada; METAGNOSTIDAE; LORD.
- Novoameura** BREZINSKI, 1991 [*Anisopyge mckeei* CISNE, 1971] Kaibab Lst, Arizona, USA; PROETIDAE; PERM.
- Nucleurus** RAMSKÖLD, 1986a [*Encrinurus abyssalis* MÄNNIL, 1977] Kolka core, Raikküla Stage, Latvia; ENCRINURIDAE; LSIL.
- Nunnaspis** BREZINSKI, 2000b [*stütti*] Lake Valley Fm, New Mexico, USA; PROETIDAE; MISS.
- Nyaya** ROZOVA, 1963 [*nyaensis*] Nyaisky Horizon, NW Siberia, Russia; HYSTRICURIDAE; LORD.
- Nyella** PALMER in PALMER & HALLEY, 1979 [*Poulsenia granosa* RESSER, 1939b] Langston Lst, Idaho, USA; PTYCHOPARIIDAE; MCAM.
- Nyterops** STRUVE, 1972 [*Phacops (Phacops) nyter* STRUVE, 1970] Cürten-Schichten, Eifel, Germany; PHACOPIDAE; MDEV.
- Obelagnostus** SHERGOLD & WEBERS, 1992 [*imitor*] Minaret Fm, Antarctica; AGNOSTIDAE; UCAM.
- Obliteraspis** OGIENKO, 1984 [*solidus*] Toehilninsk Fm, Siberian Platform, Russia; PLIOMERIDAE; LORD.
- Obrucheviaspis** IVSHIN, 1953 [*inornatus*] Kuyandinsky Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Octillaenus** SALTER, 1867 [*Illaenus hisingeri* BARRANDE, 1846b] Králův Dvůr Fm, Czech Republic; ILLAENIDAE; UORD.
- Octobronteus** WEBER, 1945 [*kchodalevitchi*] Marginaliove Fm, Urals, Russia; STYGINIDAE; USIL.
- Octoillaenus** BIGSBY, 1868 [misspelling of *Octillaenus*].
- Oculagnostus** AHLBERG, 1988 [*Agnostus frici* HOLUB, 1908] Šárka Fm, Czech Republic; METAGNOSTIDAE; MORD [j.s.s. of *Chatkalagnostus*, fide SHERGOLD et al., 1990].

- Oeuleus** POLETAEVA & ROMANENKO, 1970 [parvulus] Perekhod Fm, Siberia, Russia; REMOPLEURIDIDAE; UCAM.
- Oculichasmops** RÖÖMUSOKS, 1986 [sakalensis] Viljandi borehole, Johvi Stage, Estonia; PTERYGOMETOPIDAE; UORD.
- Oculomagnus** LOCHMAN, 1966 [obreptus] Garden City Fm, Idaho, USA; BATHYURIDAE; LORD [j.s.s. of Benthamaspis, fide FORTEY, 1979].
- Odontocephalus** CONRAD, 1840 [Asaphus selenurus EATON, 1832] Onondaga Lst, New York, USA; DALMANITIDAE; MDEV.
- Odontochile** HAWLE & CORDA, 1847 [Asaphus hausmanni BRONGNIART, 1822] Dvorce-Prokop Lst, Czech Republic; DALMANITIDAE; LDEV.
- Odontopleura** EMMRICH, 1839 [ovata] glacial erratic. Poland; ODONTOPLEURIDAE; LUSIL.
- Odontopyge** HAWLE & CORDA, 1847 [preocc., replaced by Parabolina].
- Oedicybele** WHITTINGTON, 1938 [Cybele (Oedicybele) kingi] Trewylan Beds, Wales; ENCRINURIDAE; UORD.
- Oedorhachis** RESSER, 1938b [typicalis] Nolichucky Lst, Alabama, USA; DIPLAGNOSTIDAE; MCAM.
- Oehlertaspis** PILLET & VANĚK, 1974 [Proetus rond-eaui OEHLERT, 1889] Brittany, France; PROETIDAE; LDEV [replacement name for Oehlertia].
- Oehlertia** PILLET, 1973a [preocc., replaced by Oehlertaspis].
- Oelandiops** JAANUSSON & RAMSKÖLD, 1993 [mirificus] Segerstand Lst, Sweden; PTERYGOMETOPIDAE; MORD.
- Oeonella** FORTEY, 1980 [paulula] Valhallfona Fm, Spitsbergen; UNCERTAIN; MORD.
- Ogmasaphus** JAANUSSON, 1953 [Asaphus praetextus TÖRNQUIST, 1884] Dalby Fm, Sweden; ASAPHIDAE; MORD.
- Ogmocnemis** KIELAN, 1960 [irregularis] Holy Cross Mts, Poland; TROPIDOCORYPHIDAE; UORD [j.s.s. of Decoroproetus, fide OWENS, 1970].
- Ogygia** BRONGNIART in DESMAREST, 1817 [suppressed by ICZN Opinion 1259].
- Ogyginus** RAYMOND, 1912 [Asaphus comdensis MURCHISON, 1839] Weston Flags, England; ASAPHIDAE; MORD.
- Ogygiocarella** HARRINGTON & LEANZA, 1957 [Asaphus debuchii BRONGNIART, 1822] Llandeilo Series, Wales; ASAPHIDAE; UORD.
- Ogygiocaris** ANGELIN, 1854 [Trilobitus dilatatus BRÜNNICH, 1781] Ogygiocaris Series, Oslo, Norway; ASAPHIDAE; MORD.
- Ogygitella** HARRINGTON & LEANZA, 1957 [australis] Sierra de Famatina, La Rioja, Argentina; ASAPHIDAE; MORD.
- Ogygites** TROMELIN & LEBESCONTE, 1876 [Ogygia desmaresti BRONGNIART, 1822] Schistes d'Angers Fm, Angers, France; ASAPHIDAE; MORD.
- Ogygitoides** KOBAYASHI, 1934a [raymondi] Chikunsan Beds, South Korea; ASAPHIDAE; MORD.
- Ogygopsis** WALCOTT, 1889 [Ogygia klotzi ROMINGER, 1887] Stephen Fm, British Columbia, Canada; DORYPYGIDAE; MCAM.
- Ohleum** BASSE, 1998 [eurydice] Ohle Fm, Germany; LICHIDAE; MDEV.
- Oidalagnostus** WESTERGÅRD, 1946 [trispinifer] Västergötland, Sweden; DIPLAGNOSTIDAE; MCAM.
- Oidalaproetus** WU, 1977 [convexus] Leijiadun Fm, Guizhou, China; PROETIDAE; LSIL.
- Oinochoe** THOMAS & HOLLOWAY, 1988 [Lichas pustulosus HALL, 1859b] New Scotland Lst, New York, USA; LICHIDAE; LDEV.
- Oirotella** ROMANENKO in GONCHAROVA et al., 1972 [fida] Tandoshin Fm, Gorny Altay, W Siberia, Russia; CONOKEPHALINIDAE; UCAM.
- Okunevaella** REPINA, 1973 [minuta] *Palmeraspis maritima* Zone, Far Eastern Siberia, Russia; UTIIDAE; MCAM.
- Olegaspis** IVSHIN, 1962 [olegi] Seletinsky Horizon, Kazakhstan; LONCHOCEPHALIDAE; UCAM.
- Olekmanellus** REPINA, 1973 [artus] *Redlichina culmenica* Zone, Far Eastern Siberia, Russia; ESTAINGIIDAE; LCAM.
- Olekmaspis** SUVOROVA, 1956 [bobrovi] Kutorgina Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Olenaspella** WILSON, 1956 [Parabolina? evansi KOBAYASHI, 1938a] McKay Gp, British Columbia, Canada; APHELASPIDIDAE; UCAM.
- Olenckella** KHRAMOVA in PEGEL & KHRAMOVA, 1985 [alimbata KHRAMOVA & PEGEL in PEGEL & KHRAMOVA, 1985] Upper Mayaian Stage, N Siberia, Russia; ILLAENURIDAE; MUCAM.
- Olenekina** EGOROVA, 1970 [pinnata] middle Amgarian, N Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Olenelloides** PEACH, 1894 [armatus] Fucoid Beds, NW Scotland; OLENELLIDAE; LCAM.
- Olenellus** HALL in BILLINGS, 1861a [Olenus thompsoni HALL, 1859a] Parker Sh, Vermont, USA; OLENELLIDAE; LCAM [replacement name for Barrandia HALL].
- Olenoides** MEEK, 1877 [Paradoxides? nevadensis MEEK, 1877] Wheeler Fm, Utah, USA; DORYPYGIDAE; MCAM.
- Olenopsis** BORNEMANN, 1891 [preocc., replaced by Dolerolenus].
- Olentella** IVSHIN, 1956 [olentensis] Kuyandinsky Horizon, Kazakhstan; APHELASPIDIDAE; UCAM.
- Olenus** DALMAN, 1827 [Entomostracites gibbosus WAHLENBERG, 1821] Alum Sh, Sweden; OLENIDAE; UCAM.

- Olgaspis** KOROBENIKOVA, 1966 [accepta] *Poliellina-Laticephalus* Zone, E Sayan, S Siberia, Russia; REDLICHIIDAE; LCAM.
- Oligometopus** RESSER, 1936 [Ptychoparia (Solenopleura?) breviceps WALCOTT, 1884a] Secret Canyon Fm, Nevada, USA; CHEILOCEPHALIDAE; UCAM.
- Olimus** ROMANENKO in GOGIN & PEGEL, 1997 [hilarus] *Glyptagnostus stolidotus* Zone, Gorny Altay, Russia; DIKELOCEPHALIDAE; UCAM.
- Olinaspis** SUVOROVA, 1964 [timios] Shangan Fm, Tuva, Russia; CORYNEXOCHIDAE; LCAM.
- Omegops** STRUVE, 1976 [Calymene accipitrina PHILLIPS, 1841] Pilton Beds, England; PHACOPIDAE; UDEV.
- Omeipsis** KOBAYASHI, 1951b [Acidaspis huangi SUN, 1931] Tachengssu Fm, Sichuan, China; TAIHUNGSHANIIDAE; LORD.
- Ommokris** HOLLOWAY, 1981 [Dalmanites bassleri ULRICH & DELO in DELO, 1940] St. Clair Lst, Arkansas, USA; DALMANITIDAE; LSIL [j.s.s. of Dalmanites, fide RAMSKÖLD, 1985].
- Ompheter** SHERGOLD in LAURIE & SHERGOLD, 1996 [priscus] Emanuel Fm, Western Australia; TELEPHINIDAE; LORD [j.s.s. of Opipeuter, fide ADRAIN, herein].
- Omuliovia** CHUGAEVA, 1962 [mira] Khitinsk Horizon, Elgenchask Mts, Russia; HYSTRICURIDAE; MORD.
- Onaraspis** ÖPIK, 1968 [somniurna] *Redlichia chinensis* Zone, Northern Territory, Australia; METADOXIDIDAE; LCAM.
- Oncagnostus** WHITEHOUSE, 1936 [Agnostus hoi SUN, 1924] Changshan Fm, Shandong, China; AGNOSTIDAE; UCAM.
- Onchaspis** RAYMOND, 1925 [confraga] Holston Fm, Virginia, USA; ODONTOPLEURIDAE; MORD [j.s.s. of Ceratocephala, fide WHITTINGTON & EVITT, 1954].
- Onchocephalina** REPINA in KHALFIN, 1960 [arguta] Usinsky Fm, Kuznetsk Alatau, SW Siberia, Russia; ANTAGMIDAE; LCAM.
- Onchocephalites** RASETTI, 1957 [laevis] Mt Whyte Fm, British Columbia, Canada; PTYCHOPARIIDAE; MCAM.
- Onchocephalus** RESSER, 1937b [Ptychoparia thia WALCOTT, 1917] Mt Whyte Fm, British Columbia, Canada; ANTAGMIDAE; LCAM.
- Oncholichas** SCHMIDT, 1885 [j.o.s. of Arcinurus].
- Onchometopus** SCHMIDT, 1898 [volborthi] Billingen to Vääna Substages, St Petersburg, Russia; ASAPHIDAE; LMORD.
- Onchonotellus** LERMONTOVA, 1951a [Solenopleura subeincta LERMONTOVA, 1951a] *Lejopyge laevigata* Zone, Boshche-Kulya, NE Kazakhstan; CATILLICEPHALIDAE; MUCAM.
- Onchonotina** LU in WANG, 1964 [vigilans] Zhejiang, China; CATILLICEPHALIDAE; UCAM [j.s.s. of Onchonotellus, fide PENG, 1992].
- Onchonotopsis** RASETTI, 1946b [pergibba] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; UCAM.
- Onchonotus** RAYMOND, 1924 [Menocephalus globosus BILLINGS, 1860b] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; UCAM.
- Onchopeltis** RASETTI, 1944 [spectabilis] Levis Fm, Quebec, Canada; ELVINIIDAE; UCAM.
- Onnia** BANCROFT, 1933 [Cryptolithus superbus BANCROFT, 1929] Onny Fm, England; TRINUCLEIDAE; UORD.
- Onnicalymene** DEAN, 1962a [Flexicalymene omniensis SHIRLEY, 1936] Onny Fm, England; CALYMENIDAE; UORD.
- Ontoella** CHERNYSHEVA, 1961 [triangulata] *Schistocephalus antiquus* Zone, Amga River, Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Onukia** KOBAYASHI & HAMADA, 1976 [Sphaerexochus (Onukia) sugiyamai] Kawauchi Fm, Iwate Prefecture, Japan; CHEIRURIDAE; USIL [j.s.s. of Sphaerexochus, fide ADRAIN, herein].
- Onychaspis** RAYMOND, 1925 [misspelling of Onchaspis].
- Onychopyge** HARRINGTON, 1938 [riojana] Lower Tremadoc, Argentina; CERATOPYGIDAE; LORD.
- Onycopyge** WOODWARD, 1880 [liversidgei] Quidong Fm, New South Wales, Australia; CHEIRURIDAE; USIL.
- Onymagnostus** ÖPIK, 1979 [angulatus] Currant Bush Lst, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM.
- Oodiscus** RASETTI, 1966 [subgranulatus] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIDAE; LCAM.
- Oopsites** FORTEY, 1975 [Telephus hibernicus REED, 1909] Tourmakeady Lst, Ireland; TELEPHINIDAE; MORD.
- Oosthuizenella** COOPER, 1982 [Phacops ocellus LAKE, 1904] Bokkeveld Group, South Africa; CALMONIIDAE; LDEV.
- Opipeuter** FORTEY, 1974a [inconnivus] Valhallfonna Fm, Spitsbergen; TELEPHINIDAE; LORD.
- Opoa** LANE, 1972 [adamsi] Drommebjerg Lst, N Greenland; STYGINIDAE; LSIL.
- Opsidiscus** WESTERGÅRD, 1950 [Aulacodiscus bilobatus WESTERGÅRD, 1946] Östergötland, Sweden; EODISCIDAE; MCAM [replacement name for Aulacodiscus].
- Opsimasaphus** KIELAN, 1960 [jaanussoni] Tretaspis Beds, Bornholm, Denmark; ASAPHIDAE; UORD [j.s.s. of Birmanites, fide ZHOU & DEAN, 1986].
- Opsiosoryctocephalus** SUNDBERG, 1994 [ophis] Lincoln Peak Sh, Nevada, USA; ORYCTOCEPHALIDAE; MCAM.
- Opsypharus** HOWELLS, 1982 [Illaenus (Bumastus) maccallumi SALTER, 1867] Mulloch Hill Fm, Scotland; STYGINIDAE; LSIL [j.s.s. of Failleana, fide LANE & SIVETER, 1991].

- Orbitoproctus** PILLET, 1969a [*Proetus orbitatus* BARRANDE, 1846a] Suchomasty Lst, Czech Republic; PROETIDAE; LDEV.
- Ordosaspis** LU in LU et al., 1976 [*illaenoides*] Zuozishan, Inner Mongolia, China; ILLAENIDAE; LORD.
- Ordosia** LU, 1954b [*fimbriicauda*] Kushan Fm, Inner Mongolia, China; ORDOSIIDAE; UCAM.
- Oreadella** SHERGOLD, 1975 [*Pagodia buda* RESSER & ENDO in KOBAYASHI, 1933a] Yenchou Fm, Liaoning, China; PAGODIIDAE; UCAM.
- Oreisator** GEYER & MALINKY, 1997 [*tichkaensis*] Tizi N'Tichka, High Atlas, Morocco; ANTAGMIDAE; MCAM [j.s.s. of *Erzishania*, fide YUAN & ZHAO, 1999].
- Orienturus** REPINA, 1973 [*diversus*] *Kochuspis-Orienturus* Zone, Far Eastern Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Orimops** RAFINESQUE, 1832 [see NOTE 2].
- Orkekeia** RUSCONI, 1955a [*ornata*] Mendoza, Argentina; OLENIDAE; UCAM.
- Orlovja** WALCOTT & RESSER, 1925 [*arctica*] Bessimyanni Fjord, Novaya Zemlya, Russia; PTYCHOPARIIDAE; UCAM.
- Orloviella** SIVOV in EGOROVA et al., 1955 [*typica*] Salair Fm, Salair, Russia; PTYCHOPARIIDAE; UCAM.
- Ormathops** DELO, 1935 [*Dalmanites atavus* BARRANDE, 1872] Šárka Fm, Czech Republic; DALMANITIDAE; MORD.
- Ormistonaspis** PŘIBYL & VANĚK, 1978 [*Fusciniopyge* (*Ormistonaspis*) *canadensis*] Hume Fm, Northwest Territories, Canada; PROETIDAE; MDEV.
- Ormistonella** MAKSIMOVA, 1978a [*Dechenella* (*Dechenella*) *teska* ORMISTON, 1967] Blue Fjord Fm, Nunavut, Canada; PROETIDAE; MDEV.
- Ormistonella** COOPER, 1982 [*Proetus malacus* LAKE, 1904] Gydo Fm, South Africa; PROETIDAE; LDEV.
- Ornamentaspis** GEYER, 1990 [*frequens*] Jbel Wawmst Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Orodes** GEYER, 1990 [*schmitti*] Asrir Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Orometopus** BRÖGGER, 1898 [*Holometopus?* *elatifrons* ANGELIN, 1854] *Ceratopyge* Lst, Hunneberg, Sweden; ALSATASPIDIDAE; LORD.
- Orphanaspis** PRANTL & PŘIBYL, 1949a [*Trilobites orphanus* BARRANDE, 1852] Litch Fm, Czech Republic; ODONTOPLEURIDAE; LSIL.
- Orria** WALCOTT, 1916b [*elegans*] Marjum Fm, Utah, USA; DOLICHOMETOPIDAE; MCAM [j.s.s. of *Bathyriscus*, fide ROBISON, 1964].
- Orriella** RASETTI, 1948 [*gaspensis*] Levis Fm, Quebec, Canada; DOLICHOMETOPIDAE; MCAM [j.s.s. of *Bathyriscus*, fide ROBISON, 1964].
- Orthodorsum** NAN & ZAN, 1982c [*viriosum*] Dangshi Fm, Liaoning, China; ANOMOCARELLIDAE; MCAM.
- Oryctocara** WALCOTT, 1908 [*geikici*] Spence Sh, Idaho, USA; ORYCTOCEPHALIDAE; MCAM.
- Oryctocarella** TOMASHPOLSKAYA & KARPINSKI, 1961 [*Oryctocara sibirica* TOMASHPOLSKAYA in KHALFIN, 1960] Batencvsky Ridge, Siberia, Russia; ORYCTOCEPHALIDAE; MCAM [j.s.s. of *Arthricocephalus*, fide SUVOROVA, 1964].
- Oryctocephalina** LERMONTOVA, 1940 [*reticulata*] Black Sh, Anabar District, Siberia, Russia; ORYCTOCEPHALIDAE; MCAM.
- Oryctocephalites** RESSER, 1939b [*typicalis*] Langston Lst, Idaho, USA; ORYCTOCEPHALIDAE; MCAM.
- Oryctocephaloides** QIAN & YUAN in YIN & LI, 1978 [*convexus*] Kaili Fm, Guizhou, China; ORYCTOCEPHALIDAE; MCAM.
- Oryctocephalops** LERMONTOVA, 1940 [*frischenfeldi*] Black Sh, Anabar District, Siberia, Russia; ORYCTOCEPHALIDAE; MCAM.
- Oryctocephalus** WALCOTT, 1886 [*primus*] Pioche Fm, Nevada, USA; ORYCTOCEPHALIDAE; MCAM.
- Oryctometopus** TOMASHPOLSKAYA in SUVOROVA, 1964 [*idoneus*] Bolsheerbinsk Fm, Kuznetsk Alatau, SW Siberia, Russia; ORYCTOCEPHALIDAE; LCAM.
- Orygmaspis** RESSER, 1937b [*Ptychoparia llanoensis* WALCOTT, 1890c] Wilberns Fm, Texas, USA; PARABOLINOIDIDAE; UCAM.
- Orygmatus** SANDFORD, 2000 [*yanyeani*] Melbourne Fm, Victoria, Australia; PHACOPIDAE; USIL.
- Osecolia** WALCOTT, 1914a [*Dikelocephalus osecola* HALL, 1863] Saint Lawrence Fm, Wisconsin, USA; DIKELOCEPHALIDAE; UCAM.
- Osekaspis** PRANTL & PŘIBYL, 1947c [*Cheirurus comes* BARRANDE, 1872] Šárka Fm, Czech Republic; CHEIRURIDAE; MORD.
- Osmolskia** CHLUPÁČ, 1966 [*Formonia convexa* OSMÓLSKA, 1962] *Pericyclus* Zone, Holy Cross Mts, Poland; PROETIDAE; MISS.
- Otadenus** LAMONT, 1978 [*Cyphoproetus* (*Otadenus*) *alacer*] Upper Reservoir Fm, Lothian, Scotland; PHACOPIDAE; LSIL [j.s.s. of *Acermaspis*, fide HOWELLS, 1982].
- Otarion** ZENKER, 1833 [*diffRACTUM*] Kopanina Fm, Czech Republic; AULACOPLEURIDAE; USIL.
- Otarionella** WEYER, 1965 [*Cyphaspis davidsoni* BARRANDE, 1852] Suchomasty Lst, Czech Republic; AULACOPLEURIDAE; MDEV [j.s.s. of *Otarion*, fide ADRAIN & CHATTERTON, 1994].
- Otarionella** KOROLEVA, 1977 [*preocc.*, replaced by *Otarionellina*].
- Otarionellina** KOROLEVA, 1978b [*Otarionella koksoriana* KOROLEVA, 1977] Karamolinsk Fm, central Kazakhstan; LEIOSTEGIIDAE;

- UORD [replacement name for *Otarionella*; j.s.s. of *Agerina*, fide ADRAIN, herein].
- Otarionides** ALBERTI, 1969 [*Otarion* (*Otarionides*) *franconicum*] "Oberer Tentaculitenknollkalk", Ebersdorf, Germany; AULACOPLEURIDAE; LDEV.
- Otarozoum** THOMAS & HOLLOWAY, 1988 [*Lichas* (*Homolichas*) *melmerbiensis* REED, 1907a] Dufton Sh, England; LICHIDAE; UORD.
- Otodechenella** ZHOU, SIVETER & OWENS, 2000 [*convexa*] Zhusileng Fm, Inner Mongolia, China; PROETIDAE; LDEV.
- Ottenbyaspis** BRUTON, 1968 [*Illaeus oriens* MÖBERG & SEGERBERG, 1906] Björkasholmen Fm, Sweden; PANDERIIDAE; LORD.
- Ottoaspis** VANĚK et al., 1992 [*peki*] Lodenice Fm, Czech Republic; STYGINIDAE; LDEV.
- Ouijjanina** HUPE, 1953a [*meridionalis*] Amouslck Fm, Morocco; BIGOTINIDAE; LCAM.
- Ourikaia** GEYER, 1990 [*calva*] Jbel Wawrmast Fm, Morocco; ELLIPSOCEPHALIDAE; MCAM.
- Ovalagnostus** LU in LU et al., 1974b [*Oidalagnostus changi* LU in WANG, 1964] Zhejiang, China; DIPLAGNOSTIDAE; MUCAM [j.s.s. of *Oidalagnostus*, fide SHERGOLD et al., 1990].
- Ovalocephalus** KOROLEVA, 1959 [*kelleri*] Late Caradoc, N Kazakhstan; PLIOMERIDAE; UORD.
- Ovatoryctocara** CHERNYSHEVA, 1962 [*ovata*] Amgaian, N Siberia, Russia; ORYCTOCEPHALIDAE; MCAM [j.s.s. of *Arthricocephalus*, fide BLAKER & PEEL, 1997].
- Owensella** PŘIBYL & VANĚK, 1978 [*Proetus* (sg.?) *ludlowensis* ALBERTI, 1967b] Lower Leintwardine Beds, England; PROETIDAE; USIL [j.s.s. of *Warburgella*, fide ADRAIN, herein].
- Oxyagnostus** ÖPIK, 1967 [*apicula*] Pomegranate Lst, Queensland, Australia; AGNOSTIDAE; UCAM [j.s.s. of *Acmarhachis*, fide PENG & ROBISON, 2000].
- Oxygonaspis** Q.Z. ZHANG in QIU et al., 1983 [*suxianensis*] Kushan Fm, Anhui, China; DAMESSELLIDAE; UCAM [j.s.s. of *Pingquania*, fide W.T. ZHANG, pers. comm.].
- Pachyaspidella** SEMASHKO in CHERNYSHEVA, 1971 [*elongata*] Amgaian, Kuznetsk Alatau, Russia; PTYCHOPARIIDAE; MCAM.
- Pachyaspis** RESSER, 1939b [*typicalis*] Langston Lst, Idaho, USA; PTYCHOPARIIDAE; MCAM.
- Pachyceranium** ROSS, 1951 [*facielunisi*] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Pachyproetus** LÜTKE, 1990 [*Proetus pachydermatus* BARRET, 1878] Decker Fm, New Jersey, USA; PROETIDAE; USIL [j.s.s. of *Hedstroemia*, fide ADRAIN, 1997].
- Pachyredlichia** W. ZHANG, 1966 [*shensiensis*] Chingchussu Fm, S Shaanxi, China; REDLICHIDAE; LCAM.
- Pacificurus** RAMSKÖLD, 1986b [*Encrinurus mitchelli* FOERSTE, 1888] Black Bog Sh, New South Wales, Australia; ENCRINURIDAE; LSIL [replacement name for *Australurus*; j.s.s. of *Batocara*, fide HOLLOWAY, 1994].
- Paciphacops** MAKSIMOVA, 1972 [*Phacops logani* HALL, 1861a] New Scotland Fm, New York, USA; PHACOPIDAE; LDEV.
- Pacootella** SHERGOLD, 1991 [*collativa*] Pacoota Sst, Northern Territory, Australia; TAIHUNGSHANIIDAE; LORD.
- Paedemias** WALCOTT, 1910 [*transitans*] Parker Sh, Vermont, USA; OLENELLIDAE; LCAM.
- Paenebictella** ROSS, 1951 [*vultulata*] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Pagetia** WALCOTT, 1916b [*bootes*] Stephen Fm, British Columbia, Canada; EODISCIDAE; MCAM.
- Pagetides** RASETTI, 1945b [*elegans*] Sillery Fm, Quebec, Canada; EODISCIDAE; LCAM.
- Pagetiellus** LERMONTOVA, 1940 [*Microdiscus lenaicus* TOLL, 1899] Pestrotsvet Fm, Siberia, Russia; HEBEDISCIDAE; LCAM [j.s.s. of *Delgadella*, fide JELL, 1997].
- Pagetina** LERMONTOVA, 1940 [*preocc.*, replaced by *Neopagetina*].
- Pagodia** WALCOTT, 1905 [*lotos*] Fengshan Fm, Shandong, China; PAGODIIDAE; UCAM.
- Pagodioides** ZHU & WITTKE, 1989 [*Pagodia* (*Pagodioides*) *pustulosa*] Changshan Fm, Hebei, China; PAGODIIDAE; UCAM.
- Pagometopus** HENNINGSMOEN, 1959b [*gibbus*] Ceratopyge Lst, Norway; ALSATASPIDIDAE; LORD.
- Pagura** EMMONS, 1860 [*quadratispinosus*] Parker Fm, Vermont, USA; CHENGKOUASPIDIDAE; LCAM [j.s.s. of *Bathynotus*, fide WALCOTT, 1886].
- Paivinia** ROZOVA in ROZOVA et al., 1985 [*paivinica*] Chupinsk Fm, NW Salair, Russia; PHAROSTOMATIDAE; MORD.
- Palacorona** SHERGOLD, 1972 [*bacculata*] Gola Beds, Queensland, Australia; KAOLISHANIIDAE; UCAM.
- Paladin** WELLER, 1936 [*Griffithides morrowensis* MATHER, 1915] Morrow Group, Oklahoma, USA; PROETIDAE; PENN.
- Palaeadotes** ÖPIK, 1967 [*dissidens*] Georgina Lst, Queensland, Australia; DAMESSELLIDAE; MUCAM [j.s.s. of *Bergeronites*, fide LU & ZHU, 1980].
- Palaeoaspis** G.YANG, 1981 [*barbutus*] Sichuan, China; GIGANTOPYGIDAE; LCAM [j.s.s. of *Yiliangella*, fide W. ZHANG et al., 1997].
- Palaeoerepicephalus** KOBAYASHI, 1935c [*j.o.s.* of *Kochaspis*].
- Palaeoharpes** LU & QIAN in ZHOU et al., 1977 [*primigenius*] Sandu Fm, Guizhou, China; HARPETIDAE; UCAM.
- Palaeolenella** REPINA, 1960 [*artifexa*] Kameshkov Fm, E Sayan, Russia; PALAEOLENIDAE; LCAM.
- Palaeolenides** EGOROVA, 1967 [*sutilis*] Parfen-Yuryakhsk Fm, N Siberia, Russia; PALAEOLENIDAE; LCAM.

- Palaeolenus** MANSUY, 1912 [douvelle] Tsanglangpu Fm, Yunnan, China; PALAEOLENIDAE; LCAM.
- Palaeophillipsia** SUGIYAMA & OKANO, 1944 [japonica] Japan; PROETIDAE; UDEV.
- Palella** HOWELL, 1937 [paradoxa] St Albans Sh, Vermont, USA; ANOMOCARIDAE; MCAM.
- Palemansuyia** YUAN & YIN, 1998 [prima] Chefu Fm, Guizhou, China; KAOLISHANIIDAE; UCAM.
- Paleodechenella** MAKSIMOVA, 1970 [waigatchensis] Waigach Is, Arctic Russia; PROETIDAE; USIL.
- Paleofossus** POKROVSKAYA, 1959 [zaicevi] Shanggansky Fm, Tuva, Russia; EDELSTEINASPIDIDAE; LCAM.
- Paleooryctocephalus** REPINA in REPINA et al., 1964 [angulatus] Obruchev Horizon, Kuznetsk Alatau, Russia; ORYCTOCEPHALIDAE; LCAM.
- Palmeraspis** REPINA, 1973 [maritima] *Palmeraspis* *maritima* Zone, Far E Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Palmettaspis** FRITZ, 1995 [consorta] Campito Fm, Nevada, USA; HOLMIIDAE; LCAM.
- Palpebralia** RICHTER & RICHTER, 1927b [Drevernannia (Palpebralia) palpebralis RICHTER & RICHTER, 1926] Langenaubach, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Palpebrops** LIEBERMAN et al., 1991 [donegalensis] Belén Fm, Bolivia; CALMONIIDAE; LDEV.
- Palquiella** SUÁREZ-SORUCO, 1975 [incaica] Bolivia; ALSATASPIDIDAE; LORD.
- Pamirites** BALASHOVA, 1966b [preocc., replaced by Pamirotellus].
- Pamirotechchites** BALASHOVA, 1966b [pamiricus] Pamir, central Asia, Russia; ASAPHIDAE; UORD [j.s.s. of Nobiliasaphus, fide BALASHOVA, 1971].
- Pamirotellus** BALASHOVA, 1968 [Pamirites pamiricus BALASHOVA, 1966b] W Pamir, central Asia, Russia; HOMALONOTIDAE; LSIL [replacement name for Pamirites] [j.s.s. of Brongniartella, fide THOMAS, 1977].
- Panacus** EDDY & MCCOLLUM, 1998 [palmeri] Pioche Sh, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Panarchacogonus** ÖPIK, 1937 [parvus] Kukruse Stage, Estonia; SCHARYIIDAE; UORD.
- Pandaspinapyga** ESKER & LEVIN, 1964 [Acanthoparypha projecta ESKER, 1961] Kimmswick Fm, Missouri, USA; CHEIRURIDAE; MORD.
- Pandera** VOLBORTH, 1863 [triquetra] Kunda Stage, Ingria, Russia; PANDERIIDAE; MORD [replacement name for Rhodope].
- Panibole** GRÖNNING, 1985 [Phillipsia subaequalis HOLZAPFEL, 1889] Erdbach Lst, Erdbach, Rhenish Massif, Germany; PROETIDAE; MISS.
- Panxinella** LIN in LU et al., 1974b [angustilimbata] Qingxudong Fm, Guizhou, China; ZACANTHOIDIDAE; LCAM.
- Paofeniellus** XIANG in LU et al., 1963 [quadratus] Baofeng County, Henan; PROASAPHISCIDAE; MCAM.
- Paokannia** HO & LI, 1959 [chinensis] Tsanglangpu Fm, Hubei, China; YINITIDAE; LCAM.
- Papillicalymene** SHIRLEY, 1936 [Calymene papillata LINDSTRÖM, 1885] Hemse Fm, Gotland, Sweden; CALYMENIDAE; USIL.
- Papyriaspis** WHITEHOUSE, 1939 [lanceola] V Creek Lst, Queensland, Australia; POPYRIASPIDIDAE; MCAM.
- Paraacidaspis** POLETAEVA, 1960 [sibirica] Salair, W Siberia, Russia; LICHAKEPHALIDAE; UCAM [see NOTE 8].
- Paraacidaspis** POLETAEVA in EGOROVA et al., 1963 [humanica EGOROVA in EGOROVA et al., 1963] Tingziguan Fm, W Hunan, China; LICHAKEPHALIDAE; UCAM [see NOTE 8].
- Paraantagmus** QIU, 1980 [angustus] Mantdo Fm, Jiangsu, China; ANTAGMIDAE; MCAM.
- Paraaojia** ROSOVA in LISOGOR et al., 1988 [compacta] Shabaktinsk Fm, Kazakhstan; LEIOSTEGIIDAE; MCAM.
- Paraaulacopleura** CHAUBERT, 1937 [roquemailleensis] Wenlock Series, Montagne Noire, France; AULACOPLEURIDAE; LSIL [j.s.s. of Aulacopleura, fide THOMAS & OWENS, 1978].
- Parabadiella** W. ZHANG, 1966 [huoi] Guojiapa Fm, Shaanxi, China; ABADIELLIDAE; LCAM [j.s.s. of Abadiella, fide JELL in BENGTON et al., 1990].
- Parabailiella** THORAL, 1946 [languedocensis] Schistes Troues, Coulouma, France; CONOCORYPHIDAE; MCAM.
- Parabarrandia** PRANTL & PŘIBYL, 1949b [Barrandia bohemica NOVÁK, 1884] Šárka Fm, Czech Republic; NILEIDAE; MORD.
- Parabasilicus** KOBAYASHI, 1934a [typicalis] Chikunsan Beds, Girinkitsu, South Korea; ASAPHIDAE; UORD [j.s.s. of Basilicus, fide ZHOU & FORTEY, 1986].
- Parabathycheilus** MERGL, 1984 [Bathycheilus gallica DEAN, 1965] Landeyran Fm, Montagne Noire, France; BATHYCHEILIDAE; LORD [j.s.s. of Bathycheilus, fide RABANO, 1990].
- Parabellefontia** HINTZE, 1953 [concinna] House Fm, Utah, USA; ASAPHIDAE; LORD.
- Parablackwelderia** KOBAYASHI, 1942b [Blackwelderia spectabilis RESSER & ENDO, 1937] Kushan Fm, Liaoning, China; DAMESELLIDAE; UCAM [j.s.s. of Blackwelderia, fide W. ZHANG & JELL, 1987].
- Parabolina** SALTER, 1849 [Entomostracites spinulosus WAHLENBERG, 1821] Alum Sh, Sweden; OLENIDAE; UCAM [replacement name for Odontopyge].
- Parabolinella** BRÖGGER, 1882 [limitis] Ceratopyge Sh, Oslo, Norway; OLENIDAE; LORD.
- Parabolinina** LAZARENKO, 1966 [edita] *Irvingella* Zone, N Siberia, Russia; OLENIDAE; UCAM.

- Parabolinites** HENNINGSMOEN, 1957 [*Parabolinella laticauda* WESTERGÅRD, 1922] Alum Sh, Sweden; OLENIDAE; UCAM.
- Parabolinoidea** FREDERICKSON, 1949 [contractus] Honey Ck Lst, Oklahoma, USA; PARABOLINOIDIDAE; UCAM.
- Parabolinopsis** HOEK in STEINMANN & HOEK, 1912 [mariana] Tarija, Bolivia; OLENIDAE; LORD [j.s.s. of Leptoplastides, fide HENNINGSMOEN, 1957].
- Parabouleia** ELDREDGE, 1972 [calmonensis] Belén Fm, Bolivia; CALMONIIDAE; LDEV.
- Parabriscioia** KOBAYASHI, 1935a [elegans] Jones Ridge Lst, Alaska, USA; DIKELOCEPHALIDAE; UCAM [j.s.s. of Briscioia, fide LOCHMAN in MOORE, 1959].
- Parabulbaspis** T. ZHANG, 1981 [*Bulbaspis* (*Parabulbaspis*) korlaensis] SW Kuerle County, Xinjiang, China; RAPHIOPHORIDAE; MORD.
- Parabumastides** JI, 1987 [dayongensis] Datianbe Fm, Hunan, China; NILEIDAE; MORD.
- Paracalgachia** LAMONT, 1978 [henshawensis] Wether Law Linn Fm, Scotland; ENCRINURIDAE; LSIL [see NOTE 4].
- Paracalmonia** STRUVE, 1958c [*Probolides cuspidatus* CLARKE, 1913] Ponta Grossa Sh, Paraná Basin, Brazil; CALMONIIDAE; LDEV [replacement name for *Proboloides*].
- Paracalvinella** ZHOU in ZHOU & ZHENG, 1980 [semigyroides] Fengshan Fm, Ningxia Hui, China; SAUKIIDAE; UCAM.
- Paracalymene** PILLET, 1968 [*Calymene bureaui* PÉNEAU, 1928] Calcaires d'Erbray, Loire-Atlantique, France; CALYMENIDAE; LDEV.
- Paracalymene** LIU, 1982 [preocc., replaced by *Paracalymenemene*].
- Paracalymenemene** JELL, nov. [*Paracalymene zhuitunensis* LIU, 1982] Qiangongping Fm, Hunan, China; ALSATASPIDIDAE; LORD [replacement name for *Paracalymene* LIU].
- Paracedaria** DUNCAN in LOCHMAN & DUNCAN, 1949 [*Pilgrimia montanensis* DUNCAN in LOCHMAN & DUNCAN, 1944] Pilgrim Fm, Montana, USA; LLANOASPIDIDAE; UCAM [replacement name for *Pilgrimia*].
- Paraceratopyge** POLETAEVA, 1945 [kousneziensis] Ulumanda River, Kuznetsk Alatau, Russia; CERATOPYGIDAE; LORD [j.s.s. of *Diceratopyge*, fide PENG, 1992].
- Paraceraurus** MÄNNIL, 1958b [*Ceraurus aculeatus* EICHWALD, 1860] Kukruze Stage, Estonia; CHEIRURIDAE; UORD.
- Parachangaspis** LIU, 1982 [bellus] Dayong, Hunan, China; ORYCTOCEPHALIDAE; LCAM.
- Parachangshania** QIAN, 1958 [hsiaoshihensis] Changshan Fm, Liaoning, China; CHANGSHANIIDAE; UCAM.
- Parachatania** YUAN & YIN, 1998 [expansa] Chefu Fm, Guizhou, China; CORYNEXOCHIDAE; UCAM [j.s.s. of *Chatania*, fide PENG et al., 2001b].
- Parachaunoproetus** YUAN, 1988 [guizhouensis] Daihua Fm, Guizhou, China; PROETIDAE; UDEV.
- Paracheirurioides** REPINA, 1973 [rasisil] *Inikanella* Zone, Far E Siberia, Russia; ORYCTOCEPHALIDAE; MCAM.
- Parachittidilla** LIN & WU in W. ZHANG et al., 1980b [xiaolinghouensis] Hsichuang Fm, Shanxi, China; AGRAULIDAE; MCAM.
- Parachuangia** QIU in QIU et al., 1983 [convexa] Anhui, China; LEIOSTEGIIDAE; UCAM [j.s.s. of *Chuangia*, fide PENG, 1992].
- Paraclavagnostus** YANG & LIU in YANG et al., 1991 [variatus] Baguamiao Fm, Sichuan, China; CLAVAGNOSTIDAE; MCAM [j.s.s. of *Clavagnostus*, fide PENG & ROBISON, 2000].
- Paracoosia** KOBAYASHI, 1936d [mansuyi] Yunnan, China; ANOMOCARIDAE; UCAM.
- Paracrepecephalus** LOCHMAN, 1936 [j.o.s. of *Tricrepecephalus*].
- Paracrocephalites** POULSEN, 1954 [robusta] Kharaulakh, Siberia, Russia; SOLENOPLEURIDAE; UCAM [replacement name for *Aretaspis*].
- Paracryphaeus** GANDL, 1972 [*Cryphaeus jonesi* OEHLERT, 1877] Brittany, France; ACASTIDAE; LDEV.
- Paracyamella** ZHOU & XIANG, 1993 [hujiabaensis] Pagoda Lst, Shaanxi, China; RORRINGTONIIDAE; UORD [j.s.s. of *Cyamella*, fide FORTEY, 1997].
- Paracybantyx** LUDVIGSEN & TRIPP, 1990 [asulcatus] Road River Fm, Northwest Territories, Canada; STYGINIDAE; USIL.
- Paracybeloides** HUPÉ, 1955 [*Cybele loveni girvanensis* REED, 1906a] South Threave Fm, Scotland; ENCRINURIDAE; UORD.
- Paradalmanites** PILLET, 1954 [*Phacops acacia* SCHWARZ, 1906] Bokkeveld Group, South Africa; CALMONIIDAE; LDEV [j.s.s. of *Bainella*, fide ELDREDGE & BRANIŠA, 1980].
- Paradamesella** YANG in ZHOU et al., 1977 [typical] Baojingia Fm, Hunan, China; DAMESELLIDAE; MCAM.
- Paradamesops** YANG in LU et al., 1974b [jimacensis] Guizhou, China; DAMESELLIDAE; MCAM [j.s.s. of *Damesops*, fide JELL & HUGHES, 1997].
- Paradechenella** RICHTER, 1912 [*Dechenella tschernyschewi* RICHTER, 1909] Ural Mts, Russia; PROETIDAE; MDEV.
- Paradietyites** LIU, 1982 [trigonalis] Qiangongping, Hunan, China; TSINANIIDAE; UCAM.
- Paradionide** W. ZHANG & FAN, 1960 [*Dionide* (*Paradionide*) *anmensis*] Yaomoshan Fm, Gansu, China; DIONIDIDAE; MORD.
- Paradiscus** KOBAYASHI, 1943a [*Microdiscus speciosus* FORD, 1873] Troy, New York, USA; WEYMOUTHIIDAE; LCAM [j.s.s. of *Serrodiscus*, fide JELL, 1997].
- Paradistazeris** ZHU in W. ZHANG et al., 1980a [*Distazeris* (*Paradistazeris*) *sichuancensis*] Dashuijing

- Fm, Sichuan, China; CATILLICEPHALIDAE; UCAM [?.s.s. of Agelagma, fide PRATT, 1992].
- Paradoxides** BRONGNIART, 1822 [Entomostracites paradoxissimus WAHLENBERG, 1821] Västergötland, Sweden; PARADOXIDIDAE; MCAM.
- Paradrepanuroides** ZHAO, HUANG, & MAO in ZHAO et al., 1984 [robusta] Huanglianba Fm, Guizhou, China; YINITIDAE; LCAM [j.s.s. of Qingkouia, fide W. ZHANG et al., 1997].
- Paraenerinurus** ANTELO, 1973 [boliviensis] Cancañiri Fm, Bolivia; ENCRINURIDAE; USIL.
- Paraenshia** QIU in QIU et al., 1983 [divergens] Changshan Fm, Anhui, China; ELVINIIDAE; UCAM.
- Paraeosptychoparia** QIU in QIU et al., 1983 [dongshancensis] Hsichuang Fm, Anhui, China; PTYCHOPARIIDAE; MCAM.
- Paraerbia** REPINA, 1958 [pusillica] Bazaikh Horizon, Kuznetsk Alatau, Russia; DINESIDAE; LCAM.
- Paraeremiproetus** PILLET, 1973a [Eremiproetus (Paraeremiproetus) lagrangei] La Grange Lst, Bretagne, France; TROPIDOCORYPHIDAE; MDEV.
- Parafallotaspis** FRITZ, 1972 [grata] Sekwi Fm, North West Territories, Canada; FALLOTASPIDIDAE; LCAM.
- Parafriithjofia** YUAN, 1988 [obscura] Daihua Fm, Guizhou, China; PROETIDAE; UDEV.
- Parafuchouia** LU & QIAN in LU et al., 1974a [Fuchouia (Parafuchouia) elongata] Jialao Fm, Guizhou, China; DOLICHOMETOPIDAE; MCAM [j.s.s. of Amphoton, fide W. ZHANG, 1985].
- Paragandcceria** GUO & ZAN in GUO et al., 1996 [quadrata] Hsichuang Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.
- Paraglobusia** HAHN, HAHN & MULLER, 1999 [gorgo] Erdbach Lst, Hessen, Germany; PROETIDAE; MISS.
- Paragnostascus** PENG, 1987 [sinensis] Huaqiao Fm, Hunan, China; AMMAGNOSTIDAE; UCAM [j.s.s. of Proagnostus, fide SHERGOLD et al., 1990].
- Paragnostus** JAEKEL, 1909 [j.o.s. of Condylopyge].
- Paragraulos** LU, 1941 [kunmingensis] Tsanglangpu Fm, Yunnan, China; AGRAULIDAE; LCAM.
- Paragriffithides** REED, 1943a [Phillipsia carinata WOODWARD, 1884a] Carboniferous Lst, England; PROETIDAE; MISS.
- Paragunnia** QIU in QIU et al., 1983 [bathyconica] Maochuang Fm, Shandong, China; PTYCHOPARIIDAE; MCAM.
- Paraharpes** WHITTINGTON, 1950b [Harpes (Eoharpes) hornei REED, 1914] South Threave Fm, Scotland; HARPETIDAE; UORD [j.s.s. of Hibbertia, fide DEAN, 1971].
- Paraharpides** PILLET & COURTESOLE, 1981 [Harpides atlanticus BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; HARPIDIDAE; MORD.
- Parahawleia** ZHOU in LU et al., 1976 [inseulpta] Huangnigang Fm, Jiangxi, China; PLIOMERIDAE; UORD.
- Parahiolites** KOBAYASHI, 1967 [Ptychoparia (Conocephalites) hesterna REED, 1910] Kunzam La Fm, Himalaya, India; PTYCHOPARIIDAE; MCAM [possibly s.s.s. of Paramecephalus, fide JELL & HUGHES, 1997].
- Parahomalonotus** REED, 1918 [Homalonotus gervillei DE VERNEUIL, 1850] Sarthe, France; HOMALONOTIDAE; LDEV.
- Parahousia** PALMER, 1960 [constricta] Dunderberg Fm, Nevada, USA; PTEROCEPHALIDAE; UCAM.
- Parahuainania** GUO & ZAN in GUO et al., 1996 [triangularis] Hsichuang Fm, Liaoning, China; INOUYIIDAE; MCAM.
- Parahystricururus** ROSS, 1951 [fraudator] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Paraichangia** LI, 1978 [shensiensis] Shihpai Fm, Shaanxi, China; ESTAINGIIDAE; LCAM.
- Parainouyia** LIN & WU in W. ZHANG et al., 1980b [lata] Hsichuang Fm, Shanxi, China; INOUYIIDAE; MCAM.
- Parairvingella** KOBAYASHI, 1938a [angustilimbatus] Secret Canyon Sh, Nevada, USA; ELVINIIDAE; UCAM [j.s.s. of Irvingella, fide PALMER, 1965].
- Parajialaopsis** ZHANG & YUAN in W. ZHANG et al., 1980b [globus] Hsichuang Fm, Shanxi, China; INOUYIIDAE; MCAM.
- Parakailia** WU, 1979 [Kailia (Parakailia) lata] Xiushan Fm, Hubei, China; ENCRINURIDAE; LSIL.
- Parakainella** KOBAYASHI, 1953a [Kainella lata KOBAYASHI, 1935b] Prairie Catamarca, Argentina; REMOPLEURIDIDAE; LORD [j.s.s. of Pseudokainella, fide HARRINGTON & LEANZA, 1957].
- Parakaolishania** SUN in SUN & XIANG, 1979 [brevica] Baoshan Fm, Yunnan, China; KAOLISHANIIDAE; UCAM.
- Parakoldinia** ROZOVA, 1960a [striata] Tolstochikhin Fm, Salair, Russia; CHEILOCEPHALIDAE; UCAM.
- Parakoldinioidia** ENDO, 1937 [typicalis] Yenchou Fm, Liaoning, China; MISSISQUOIIDAE; UCAM.
- Parakomaspis** ZHU, 1960a [subconicus] Qinghai, China; ELVINIIDAE; UCAM.
- Parakoptura** GUO & DUAN, 1978 [longibiloba] Changhia Fm, Liaoning, China; PROASAPHISCIDAE; MCAM [j.s.s. of Koptura, fide W. ZHANG & JELL, 1987].
- Parakotulia** ZHU, 1960a [truncata] Changshan Fm, Liaoning, China; ANOMOCARIDAE; UCAM.
- Paralardeuxia** PILLET, 1973a [chauffour] Angers Lst, Bretagne, France; TROPIDOCORYPHIDAE; LDEV.
- Paralbertella** PALMER in PALMER & HALLEY, 1979 [Albertella bosworthi WALCOTT, 1908]

- Carrara Fm, Nevada, USA; ZACANTHOIDIDAE; MCAM.
- Paraleiolichas** KOBAYASHI & HAMADA, 1987 [globulus] Shikoku, Japan; LICHIDAE; USIL.
- Paraleiostegium** ZHU & ZHANG in ZHU et al., 1979 [Leiostegium (Paraleiostegium) punctatum] Yingou Group, Qinghai, China; LEIOSTEGIDAE; LORD.
- Paralejurus** HAWLE & CORDA, 1847 [Bronteus campanifera BEYRICH, 1845] Koneprusy Lst, Czech Republic; STYGINIDAE; LDEV.
- Paralepidoproetus** ALBERTI, 1981a [Cornuproetus (Cornuproetus?) chouberti ALBERTI, 1964] Morocco; TROPIDOCORYPHIDAE; LDEV.
- Paraleptoredlichia** QIU in QIU et al., 1983 [wushangensis] Manto Fm, Jiangsu, China; REDLICHIDAE; LCAM [j.s.s. of Leptoredlichia, fide W. ZHANG et al., 1997].
- Paralevisia** W. ZHANG & JELL, 1987 [globosa] Changhia Fm, Jiangsu, China; ORDOSIIDAE; MCAM.
- Paraliaoningaspis** ZHU in LU et al., 1965 [Koptura shantungensis ENDO, 1939] Kushan Fm, Shandong, China; MONKASPIDIDAE; UCAM [j.s.s. of Monkaspis, fide W. ZHANG & JELL, 1987].
- Paralichas** REED, 1902 [replacement name for Platymetopus; preocc., replaced by Amphilichas].
- Paralisaniella** QIU in QIU et al., 1983 [longispina] Changhia Fm, Shandong, China; LISANIIDAE; MCAM.
- Paralorenzangella** JELL, nov. [bicava] Hsichuang Fm, Anhui, China; LORENZELLIDAE; MCAM [replacement name for Paralorenzella Q.Z. ZHANG].
- Paralorenzella** LUO, 1974 [Agraulos tonkinensis MANSUY, 1915] Xiechang Fm, Yunnan, China; LORENZELLIDAE; MCAM.
- Paralorenzella** Q.Z. ZHANG in QIU et al., 1983 [preocc., replaced by Paralorenzangella].
- Paramaladioidella** LU & ZHU, 1980 [subconica] Langyashan Fm, Anhui, China; PTEROCEPHALIIDAE; UCAM.
- Paramalungia** W. ZHANG, 1966 [lubrica] Tsanglangpu Fm, Yunnan, China; DOLEROLENIDAE; LCAM.
- Paramansuyella** ENDO, 1937 [puteata] Changshan Fm, Liaoning, China; KAOLISHANIIDAE; UCAM.
- Paramansuyia** ENDO, 1939 [misspelling of Paramansuyella].
- Paramapania** YANG in YANG et al., 1991 [qinlingensis] Xijiadian Fm, Henan, China; MAPANIIDAE; MCAM.
- Paramecephalus** Z.Y. ZHOU & YIN in ZHOU et al., 1977 [sinicus] Kaotai Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM [possibly j.s.s. of Parahiolites, fide JELL & HUGHES, 1997].
- Paramegalaspis** THORAL in JAANUSSON, 1956 [Megalaspis (Paramegalaspis) immarginata THORAL, 1935] Montagne Noire, France; ASAPHIDAE; LORD.
- Paramegistaspis** BALASHOVA, 1976 [Megalaspis planilimbata ANGELIN, 1851] Tøyen Fm, Sweden; ASAPHIDAE; LORD.
- Paramenocephalites** KOBAYASHI, 1960b [Menocephalus admcta WALCOTT, 1905] Changhia Fm, Shandong, China; SOLENOPLEURIDAE; MCAM.
- Paramenomonia** ZHU, 1959 [conica] Kushan Fm, Liaoning, China; CHANGSHANIIDAE; UCAM.
- Paramgaspis** YUAN & ZHAO in YUAN et al., 1997 [guizhouensis] Kaili Fm, Guizhou, China; AMGASPIDIDAE; MCAM.
- Paramicmacca** LERMONTOVA, 1951b [siberica] Kutorgina Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Paramicroparia** T. ZHANG, 1981 [Microparia (Paramicroparia) acuta] Kanling Fm, Xinjiang, China; CYCLOPYGIDAE; UORD.
- Paramirabile** YUAN in YUAN & XIANG, 1998 [Mirabile (Paramirabile) ocellata] Daihua Fm, Guizhou, China; PROETIDAE; UDEV.
- Paramphoton** YANG in ZHOU et al., 1977 [xiangxiensis] Baojing Fm, Hunan, China; DOLICHOMETOPIDAE; MCAM [j.s.s. of Amphoton, fide GUO et al., 1996 & W. ZHANG & JELL, 1987].
- Parampyx** T. ZHANG, 1981 [Ampyx (Parampyx) granulosa] Shaergan Fm, Xinjiang, China; RAPHIOPHORIDAE; UORD.
- Paranacaste** POPP, 1989 [pontagrossensis] Ponta Grossa Fm, Brasil; CALMONIIDAE; LMDEV [j.s.s. of Bainella, fide CARVALHO & EDGEcombe, 1991].
- Paranavadella** PALMER & REPINA, 1993 [Paedeumias? subgroenlandicus REPINA in KHOMENTOVSKÝ & REPINA, 1965] *Delgadella anabarus* Zone, S Siberia, Russia; JUDOMIIDAE; LCAM.
- Parangustibole** YUAN & XIANG, 1998 [sinensis] Yonghsien Fm, Guangxi, China; PROETIDAE; UDEV.
- Paranileus** KOBAYASHI, 1951b [Nileus pater HOLUB, 1911] Klabava Fm, Czech Republic; NILEIDAE; LORD.
- Paranileus** HINTZE, 1953 [preocc., replaced by Presbynileus].
- Paranomocare** LI & YIN in YIN & LI, 1978 [guizhouensis] Pingjing Fm, Guizhou, China; ANOMOCARIDAE; MCAM.
- Paranomocarella** YANG in ZHOU et al., 1977 [parallela] Baojing Fm, Hunan, China; ANOMOCARELLIDAE; MCAM.
- Paranorwoodia** RASETTI, 1945c [venusta] Levis Fm, Quebec, Canada; NORWOODIIDAE; UCAM.
- Paranumia** HU, 1973 [triangularia] Deadwood Fm, S Dakota, USA; MISSISQUOIIDAE; LORD [j.s.s. of Lunacrania, fide FORTEY, 1983].

- Paraojia** SUN & ZHU in ZHOU et al., 1977 [megaglabellus] Guangzhuling Fm, Hubei, China; LISANIIDAE; MCAM.
- Paraolenoides** IVSHIN, 1953 [medoevi] Boshchekul Fm, Kazakhstan; DORYPYGIDAE; MCAM.
- Paraolenus** LERMONTOVA, 1951a [papilionaceus] Boshche-Kulya, NE Kazakhstan; OLENIDAE; UCAM.
- Paraonyehopyge** PILLET, 1973b [iranicus] Shirgesht Fm, eastern Iran; LEIOSTEGIIDAE; MORD.
- Paraorlovina** CHERNYSHEVA in CHERNYSHEVA et al., 1956 [sequens] River Aldan, E Yakutia, Russia; ASAPHISCIDAE; MCAM.
- Paraoryctoecephalops** TOMASHPOLSKAYA in KHALFIN, 1960 [plana] Batenevsky Ridge, Siberia, Russia; ORYCTOCEPHALIDAE; MCAM [j.s.s. of Lancastria, fide BLAKER & PEEL, 1997].
- Parapachyaspis** QIU in QIU et al., 1983 [miniscula] Hsichuang Fm, Shandong, China; ALOKISTOCARIDAE; MCAM.
- Parapagetia** REPINA in REPINA et al., 1964 [limbata] Sanashtykgol Horizon, Gorny Altay, S Siberia, Russia; HEBEDISCIDAE; LCAM.
- Parapalacrona** AN & DUAN in GUO et al., 1982 [jilinensis] Fengshan Fm, Jilin, China; KAOLISHANIIDAE; UCAM [j.s.s. of Mansuyites, fide ZHOU & J.ZHANG, 1984].
- Parapalpebralia** PILLET, 1973a [andegavensis] La Grange Lst. Bretagne, France; PROETIDAE; MDEV.
- Parapaokannia** W. ZHANG & LIN in W. ZHANG et al., 1980a [sichuanensis] Yanwangbian Fm, Sichuan, China; YINITIDAE; LCAM.
- Parapeishania** QIU in QIU et al., 1983 [poriformis] Changhia Fm, Jiangsu, China; ANOMOCAR-ELLIDAE; MCAM [j.s.s. of Peishania, fide W. ZHANG & JELL, 1987].
- Paraperiomma** ZHOU in LU et al., 1974a [soleno-pariformis] Qingxudong Fm, Guizhou, China; PTYCHOPARIIDAE; LCAM.
- Paraphelaspis** RASETTI, 1965a [vigilans] Noli-chucky Fm, Tennessee, USA; APHELASPID-IDAEE; UCAM.
- Paraphillipsia** TOUMANSKY, 1935 [karpinskyi] Salghir River, Crimea, Ukraine; PROETIDAE; LPERM.
- Paraphillipsinella** LU in LU & ZHANG, 1974 [globosa] Pagoda Fm, Sichuan, China; STYGINIDAE; UORD.
- Paraphoreotropis** SHAW in CLARK & SHAW, 1968 [vermontensis] Gorge Fm, Vermont, USA; DICERATOCEPHALIDAE; UCAM [j.s.s. of Tholifrons, fide LUDVIGSEN et al., 1989].
- Paraphorocephala** LI & XIAO, 1984 [Phorocephala (Paraphorocephala) globosa] exotic blocks in Triassic breccia, Sichuan, China; TELEPHINIDAE; UORD.
- Parapilekia** KOBAYASHI, 1934b [Calymene? speciosa DALMAN, 1827] Tremadoc, Sweden; PILEKIIDAE; LORD.
- Paraplagiura** Q.Z. ZHANG in QIU et al., 1983 [rhombica] Hsichuang Fm, Anhui, China; PTYCHOPARIIDAE; MCAM.
- Paraplesiagraulos** QIU in QIU et al., 1983 [poriformis] Hsichuang Fm, Jiangsu, China; AGRAULIDAE; MCAM.
- Paraplethopeltis** BRIDGE & CLOUD, 1947 [obesa] Tanyard Fm, Texas, USA; HYSTRICURIDAE; LORD.
- Paraplicatolina** BENEDETTO, 1977 [acantha] Santa Rosita Fm, Argentina; OLENIDAE; UCAM.
- Parapliomera** MAKSIMOVA, 1962 [Pliomera njuensis] MAKSIMOVA, 1955] Ustkutsk Stage, Siberian Platform, Russia; PLIOMERIDAE; LORD.
- Parapoliella** CHERNYSHEVA in CHERNYSHEVA et al., 1956 [Olenoides obrutchevi LERMONTOVA, 1925] Lenaian, Siberia, Russia; DOLICHOMETOPIDAE; MCAM.
- Paraporilorenzella** QIU in QIU et al., 1983 [obsoleta] Hsichuang Fm, Anhui, China; LORENZELL-IDAEE; MCAM.
- Parapoulsenia** RASETTI, 1957 [lata] Mt Whyte Fm, British Columbia, Canada; PTYCHOPARIIDAE; MCAM.
- Paraproetus** PŘIBYL, 1964 [Proetus girvanensis ETHERIDGE & NICHOLSON in NICHOLSON & ETHERIDGE, 1879] South Threave Fm, Scotland; PROETIDAE; UORD.
- Paraproetus** KOBAYASHI & HAMADA, 1979 [preocc., replaced by Siciliproetus].
- Paraprotolenella** ZHU & JIANG, 1981 [subcylindrica] Mufushan Fm, Jiangsu, China; ELLIPSOCEPHALIDAE; MCAM.
- Parptychopyge** BALASHOVA, 1964 [Ptychopyge plautini SCHMIDT, 1904] Volkov Fm, St Petersburg region, Russia; ASAPHIDAE; MORD.
- Paraqingshuiheella** LU & QIAN, 1984 [Qingshuiheella truncata LU & QIAN, 1983a] Changshan Fm, Inner Mongolia, China; CHANGSHANIIDAE; UCAM [replacement name for Qingshuiheella].
- Pararaia** KOBAYASHI, 1942e [Dolichometopus tatei WOODWARD, 1884b] Parara Lst, South Australia; ESTANGIIDAE; LCAM.
- Pararedlichia** HUPÉ, 1953a [pulchella] Amouslek Fm, Morocco; REDLICHIIDAE; LCAM [j.s.s. of Eoredlichia, fide W. ZHANG et al., 1997].
- Parasajanaspis** CHERNYSHEVA, 1972 [lauta] Pamir, Russia; REDLICHINIDAE; LCAM.
- Parashantungia** ZHU, 1959 [elongata] Kushan Fm, Liaoning, China; DAMESELLIDAE; UCAM.
- Parashengia** LUO, 1982 [elongata] Hetaoping Fm, Yunnan, China; LISANIIDAE; UCAM.
- Parashuiyuella** YUAN & ZHAO in YUAN et al., 1997 [sinensis] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Parashumardia** SUN in SUN & XIANG, 1979 [sinensis] Baoshan Fm, Yunnan, China; SHUMARDIIDAE; UCAM.

- Parasolenoparia** LI in ZHOU et al., 1982 [granuliformis] Hsuehuang Fm, Ningxia Hui, China; SOLENOPLEURIDAE; MCAM.
- Parasolenopleura** POLETAEVA in EGOROVA et al., 1955 [preocc., replaced by Parasolopleurena].
- Parasolenopleura** WESTERGÅRD, 1953 [Calymene aculeata ANGELIN, 1851] Sweden; SOLENOPLEURIDAE; MCAM [j.s.s. of Solenopleurina, fide ŠNAJDR, 1958a].
- Parasolopleurena** JELL nov. [Parasolenopleura subconsocialis POLETAEVA in EGOROVA et al., 1955] Sanashtykgol Horizon, Gorny Shoria, W Siberia, Russia; SOLENOPLEURIDAE; MCAM [replacement name for Parasolenopleura POLETAEVA].
- Parasphaerexochus** CHUGAEVA, 1973 [galeatus] Kolyma, Far E Siberia, Russia; CHEIRURIDAE; LORD.
- Paraszzechuanella** LIU in ZHOU et al., 1977 [latilimbata] Nantsinkuan Fm, Sichuan, China; LEIOSTEGIIDAE; LORD.
- Parataitziua** W. ZHANG, 1963 [Solenoparia tangshihensis ENDO, 1944] Changhia Fm, Liaoning, China; SOLENOPLEURIDAE; MCAM [j.s.s. of Menocephalites, fide W. ZHANG & JELL, 1987].
- Paratamdaspis** G. ERGALIEV in ERGALIEV & ERGALIEV, 2001 [longiformis] Bestogaisk Fm, Kazakhstan; ASAPHIDAE; UCAM.
- Paratermierella** HUPÉ, 1953a [elegans] Issafen Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Brevitermierella, fide GEYER, 1990].
- Paratiresias** PETRUNINA in REPINA et al., 1975 [turkestanicus] *Kielanella-Tretaspis* Zone, Turkestan-Alai Ridge, Tien Shan, Turkestan; ISOCOLIDAE; UORD.
- Paratollaspis** KOBAYASHI, 1943b [j.o.s. of Erbia].
- Paratoernquistia** CHATTERTON et al., 1998 [sanchezae] Las Aguaditas Fm, San Juan, Argentina; TOERNQUISTIIDAE; UORD [j.s.s. of Toernquistia, fide ADRAIN, herein].
- Paratretaspis** DEAN, 1973b [terranovica] Summerford Group, Newfoundland, Canada; TRINUCLEIDAE; MORD.
- Paratrinucleus** WHITTINGTON, 1941a [Trinucleus acervulosus RAYMOND, 1920] Athens Fm, Virginia, USA; TRINUCLEIDAE; UORD.
- Paratungusella** REPINA, 1966 [triangulata] Kuznetsk Alatau, S Siberia, Russia; METADOXIDIDAE; LCAM.
- Paratzuchiatocnemis** WU & XIA, 1990 [dialox] Pagoda Fm, NW Hunan, China; PLIOMERIDAE; UORD [j.s.s. of Ovalocephalus, fide JELL, herein].
- Paraulacopleura** MAKSIMOVA, 1968 [misspelling of Paraulacopleura].
- Parawarburgella** MAKSIMOVA, 1975 [taldyespensis] Karaespinsk Fm, Kazakhstan; PROETIDAE; LSIL.
- Parawuania** Q.Z. ZHANG in QIU et al., 1983 [wanbeiensis] Hsuehuang Fm, Anhui, China; INOUIIIDAE; MCAM.
- Parawutingaspis** LI, 1978 [convexa] Chiungchussu Fm, Sichuan, China; REDLICHIIDAE; LCAM.
- Paraxenocephalus** RUDOLPH, 1994 [mirus] glacial boulder, Germany; UNCERTAIN; MCAM.
- Parayabeia** GUO & LUO in GUO et al., 1996 [truncata] Changhia Fm, Liaoning, China; SOLENOPLEURIDAE; MCAM.
- Parayiliangella** LUO in LUO et al., 1994 [quadrisulcata] Tsanglangpu Fm, Yunnan, China; GIGANTOPYGIDAE; LCAM.
- Parayinites** W. ZHANG & LIN in W. ZHANG et al., 1980a [spinosis] Chingtingshan Fm, Guizhou, China; YINITIDAE; LCAM.
- Parayoungia** CHATTERTON & PERRY, 1984 [eleyae] Delorme Group, Northwest Territories, Canada; CHEIRURIDAE; LSIL.
- Parayuepingia** ZHOU in ZHOU et al., 1982 [cylindrica] Fengshan Fm, Shanxi, China; ASAPHIDAE; UCAM.
- Parazhenbaspis** ZHU & LIN, 1983 [mohershanensis] Xidashan Fm, Xinjiang, China; REDLICHIIDAE; LCAM.
- Parazhongtiaoshanaspis** QIU in QIU et al., 1983 [Zhongtiaoshanaspis (Parazhongtiaoshanaspis) jiangzhuangensis] Hsuehuang Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Paraziboaspis** NAN & ZAN, 1982a [porcata] Shiqiao Fm, Liaoning, China; PTYCHOPARIIDAE; MCAM.
- Pardailhanian** THORAL, 1947 [Solenopleura ? hispida THORAL, 1935] Schistes troués, France; SOLENOPLEURIDAE; MCAM.
- Parehmania** DEISS, 1939 [princeps] Pentagon Sh, Montana, USA; ALOKISTOCARIDAE; MCAM.
- Paroops** HUPÉ, 1953a [transitans] Issafen Fm, Morocco; SAUKIANDIDAE; LCAM.
- Parauloma** RASETTI, 1954 [brachymetopa] Cap des Rosiers, Quebec, Canada; EULOMIDAE; LORD.
- Paravenkaspis** KRAMARENKO, 1952 [elgoni] Tunguska River, Siberia, Russia; PTERYGOMETOPIDAE; UORD.
- Parillaenus** JAANUSSON, 1954 [Illaenus fallax HOLM, 1882] Kullsberg Lst, Sweden; ILLAENIDAE; UORD.
- Parisoceraurus** ZHOU in ZHOU et al., 1977 [rectangulus] Huangnehkhan Fm, Jiangxi, China; CHEIRURIDAE; UORD.
- Parkaspis** RASETTI, 1951 [endecamera] Stephen Fm, British Columbia, Canada; ZACANTHOIDIDAE; MCAM.
- Parkesolithus** CAMPBELL & DURHAM, 1970 [gradyi] Gunningbland Fm, New South Wales, Australia; TRINUCLEIDAE; UORD.
- Particeps** REED, 1943a [Griffithides (Particeps) scoticus REED, 1943b] Lower Limestone Series, Fife, Scotland; PROETIDAE; MISS.
- Parvidumus** KOBAYASHI & HAMADA, 1980b [densigranulatus] Japan; PROETIDAE; MISS.

- Parvigena** OWENS, 1973a [*Proetus parvigena* WARBURG, 1925] Boda Lst, Sweden; TROPIDOCORYPHIDAE; UORD.
- Parvioxochus** PŘIBL & VANĚK in PŘIBYL et al., 1985b [*Sphaerexochus parvus* BILLINGS, 1863] Chazy Lst, Mingan Islands, Quebec, Canada; CHEIRURIDAE; UORD [j.s.s. of *Sphaerexochus*, fide ADRAIN, herein].
- Paryfenus** HADDING, 1913b [*Colymbus lovisae* HADDING, 1913a] Sweden; PROETIDAE; MORD [replacement name for *Colymbus*].
- Patalolaspis** QIAN in QIU et al., 1983 [striatus] Changshan Fm, Shandong, China; DIKELOCEPHALIDAE; UCAM.
- Pateraspis** PRANTL & PŘIBYL, 1947c [*Cheirurus pater* BARRANDE, 1872] Šárka Fm, Czech Republic; CHEIRURIDAE; MORD.
- Patomaspis** OGIENKO, 1974 [pictus] Ustkut Fm, S Siberia, Russia; CHEIRURIDAE; LORD.
- Patronaspis** IVSHIN, 1962 [discreta] Selctinsk Horizon, Kazakhstan; IDAHOIIDAE; UCAM.
- Pauciclla** ROZOVA, 1964 [Lorenzella? prima LAZARENKO, 1960] Nganasan Horizon, NW Siberia, Russia; PTEROCEPHALIIDAE; UCAM.
- Pauliceps** REPINA in KHOMENTOVSKY & REPINA, 1965 [granosa] Atdaban Horizon, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Peachella** WALCOTT, 1910 [*Olenellus iddingsi* WALCOTT, 1884a] Carrara Fm, Nevada, USA; OLENELLIDAE; LCAM.
- Pearylandia** ROBISON, 1988 [parva] Holm Dal Fm, NW Greenland; MARJUMIIDAE; MCAM.
- Peculicephalina** QIAN, 1985a [jinxianensis] Tangcun Fm, Anhui, China; UNCERTAIN; UCAM.
- Pedinaspis** IVSHIN, 1962 [irrasus] Seletinsk Horizon, Kazakhstan; PTEROCEPHALIIDAE; UCAM.
- Pedinocephalina** ROZOVA, 1960b [bella] Tolstochikhin Fm, Salair, Russia; ALOKISTOCARIDAE; UCAM.
- Pedinocephalites** ROZOVA, 1964 [*Pedinocephalina divulgata* LAZARENKO, 1960] Nganasan Horizon, NW Siberia, Russia; PTEROCEPHALIIDAE; UCAM.
- Pedinocephalus** IVSHIN, 1956 [bublichenkoi] Kuyandin Horizon, Kazakhstan; PARABOLINOIDIDAE; UCAM.
- Pedinocoryphe** HAHN, HAHN & GAWLICK, 1995 [xenadochooides] Balvian, *sandbergi* Zone, Thuringia, Germany; PROETIDAE; MISS.
- Pedinodechenella** ORMISTON, 1967 [Dechenella (*Pedinodechenella*) melvillensis] Bird Fiord Fm, Nunavut, Canada; PROETIDAE; MDEV.
- Pedinopariops** STRUVE, 1972 [Phacops (*Phacops*) lentigifer STRUVE, 1970] Junkerberg-Schichten, Eifel, Germany; PHACOPIIDAE; MDEV.
- Pegelina** EGOROVA in EGOROVA et al., 1982 [maja] Ust-Maisk Fm, Siberia, Russia; INDET; MCAM.
- Peichiashania** W. ZIANG, 1959 [Eymekops rectangularis ENDO, 1937] Changshan Fm, Liaoning, China; KAOLISHANIIDAE; UCAM.
- Peishania** RESSER & ENDO in KOBAYASHI, 1935c [convexa] Changhia Fm, Liaoning, China; ANOMOCARELLIDAE; MCAM.
- Peishanoides** QIU in QIU et al., 1983 [ileta] Changhia Fm, Jiangsu, China; ANOMOCARELLIDAE; MCAM.
- Pelicephalus** KURTZ, 1975 [lochmani] Davis Fm, Missouri, USA; PTEROCEPHALIIDAE; UCAM.
- Pelittina** HAAS, 1968 [goltzi] Dede Fm, Turkey; ACASTIDAE; LDEV.
- Pelmanaspis** REPINA, 1990 [jirii] *Pagetiellus anabarus* Zone, SE Siberia, Russia; FALLOTASPIDIDAE; LCAM.
- Peltabellia** WHITTINGTON, 1953 [*Jeffersonia peltabella* ROSS, 1951] Garden City Fm, Idaho, USA; BATHYURIDAE; LORD.
- Peltocarc** HENNINGSMOEN, 1957 [*Acerocare norvegicum* MOBERG & MOLLER, 1898] Oslo, Norway; OLENIDAE; LORD.
- Peltura** MILNE-EDWARDS, 1840 [*Entomotrachites scarabaeoides* WAHLENBERG, 1821] Alum Sh, Sweden; OLENIDAE; UCAM.
- Pelturina** HENNINGSMOEN, 1957 [punctifera] Alum Sh, Brumunddalen, Norway; OLENIDAE; UCAM.
- Pemphigaspis** HALL, 1863 [bullata] Eau Claire Fm, Minnesota, USA; CATILLICEPHALIDAE; UCAM.
- Penarosa** ÖPIK, 1970 [retifera] Currant Bush Lst, Queensland, Australia; NEPEIDAE; MCAM.
- Penchiopsis** LU in LU et al., 1976 [yintzensis] Yehli Fm, Liaoning, China; ASAPHIDAE; LORD.
- Pennaia** CLARKE, 1913 [pauliana] Ponta Grossa Sh, Paraná Basin, Brazil; CALMONIIDAE; LDEV.
- Pensacola** PALMER & GATEHOUSE, 1972 [isolata] *Chorbusulina wilkesi* Faunule, Antarctica; YUNNANOCEPHALIDAE; LCAM.
- Pentagnostus** LERMONTOVA, 1940 [anabarensis] *Ptychagnostus gibbus* Zone, Siberia, Russia; PTYCHAGNOSTIDAE; MCAM [j.s.s. of *Ptychagnostus*, fide PENG & ROBISON, 2000].
- Pentagonalia** GEYER, 1988 [amouslekensis] Issafen Fm, Morocco; HEBEDISCIDAE; LCAM [j.s.s. of *Delgadella*, fide JELL, 1997].
- Peracheilus** LUDVIGSEN, 1986 [*Acheilus marcoui* RAYMOND, 1924] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; UCAM [replacement name for *Acheilus* RAYMOND].
- Perakaspis** KOBAYASHI & HAMADA, 1972 [trapezoidalis] Kroh, Malaysia; TROPIDOCORYPHIDAE; LMDEV.
- Peraspis** WHITTINGTON, 1965a [*Niobe lineolata* RAYMOND, 1925] Table Cove Fm, Newfoundland, Canada; NILEIDAE; MORD.
- Peratagnostus** ÖPIK, 1967 [nobilis] Pomegranate Lst, Queensland, Australia; AGNOSTINA FAMILY UNCERTAIN; UCAM [j.s.s. of *Phaldagnostus*, fide SHERGOLD, 1982].

- Peregrinaspis** RUDOLPH, 1994 [crassus] glacial boulder, Germany; ALOKISTOCARIDAE; MCAM.
- Perxigupyge** BREZINSKI, 1988b [hodgesi] Gilmore City Lst, Iowa, USA; PROETIDAE; MISS.
- Perforina** E. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [torulosa] Gorny Altay, S Siberia, Russia; CREPICEPHALIDAE; UCAM.
- Periallaspis** BRUTON, 1966b [uncinus] Armata Lst, Västergötland, Sweden; ODONTOPLEURIDAE; LORD.
- Pericopyge** BENEDETTO & MARTEL in BALDIS et al., 1976 [translabelaris] Lipeon Fm, Argentina; DALMANITIDAE; USIL/LDEV.
- Perimetopus** RESSER, 1937a [Conocephalites arenosus BILLINGS, 1861a] Dunham Dolomite, Vermont, USA; PTYCHOPARIIDAE; LCAM.
- Periomma** RESSER, 1937a [typicalis] Parker Sl, Vermont, USA; ANTAGMIDAE; LCAM.
- Periomella** RESSER, 1938b [yorkensis] Kinzers Fm, Pennsylvania, USA; PTYCHOPARIIDAE; LCAM.
- Perioura** RESSER, 1938b [typicalis] Conasauga Fm, Alabama, USA; MARJUMIIDAE; MCAM [j.s.s. of Modocia, fide ROBISON, 1964].
- Perirehaedulus** ADRAIN & EDGECOMBE, 1995 [Kailia? capra THOMAS in THOMAS & NARBONNE, 1979] Douro Fm, Nunavut, Canada; ENCRINURIDAE; USIL.
- Perischoclonus** RAYMOND, 1925 [capitalis] Shallow Bay Fm, Newfoundland, Canada; STYGINIDAE; MORD.
- Perischodory** RAYMOND, 1937 [grandgei] Highgate Fm, Vermont, USA; LEIOSTEGIIDAE; LORD.
- Perissoplomera** ROSS, 1970 [maclachlani] Antelope Valley Fm, Nevada, USA; PLIOMERIDAE; MORD.
- Perissopyge** BLAKER et al., 1996 [phcnax] Henson Gletscher Fm, N Greenland; ALDONAIIDAE; LCAM.
- Perliproetus** RICHTER & RICHTER, 1926 [Calymene marginata MÜNSTER, 1842] Wocklumeria Lst (to VI), Schübelhammer, E Thuringian Slate Mts, Germany; PROETIDAE; MISS.
- Pernoproetus** TOUMANSKY, 1935 [teschi] Artinskian, Crimea, Ukraine; PROETIDAE; LPERM [j.s.s. of Ditomopyge, fide OWENS, 1983].
- Perneraspis** PRANTL, 1947 [lata] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [replacement name for Perneria].
- Perneria** RUZICKA, 1940 [preocc., replaced by Perneraspis].
- Peronopsella** SDZUY, 1967 [pokrovskajae] *Acadoparadoxides* Beds, Spain; PERONOPSIDAE; MCAM.
- Peronopsis** HAWLE & CORDA, 1847 [Battus integer BEYRICH, 1845] Jince Fm, Czech Republic; PERONOPSIDAE; MCAM.
- Perrector** RICHTER & RICHTER, 1940 [perrectus] Alanis Sh, Spain; SAUKIANDIDAE; LCAM.
- Perryus** GASS & MIKULIC, 1982 [severnensis] Attawapiskat Fm, Ontario, Canada; ENCRINURIDAE; LSIL.
- Perthiellus** LAMONT, 1975 [pringlei] Leny Lst, Scotland; INDET. LCAM.
- Perunaspis** PŘIBYL, 1949 [longispinus] Trebotov Lst, Czech Republic; LICHIDAE; MDEV.
- Pesaia** WALCOTT & RESSER, 1925 [exsculpta] Gribovii Fjord, Novaya Zemlya, Russia; ELVINIIDAE; UCAM.
- Pesaiella** ROZOVA, 1964 [obnixa] Tavgiysk Horizon, NW Siberia, Russia; PARABOLOIDIDAE; UCAM.
- Pesaiina** POLETAEVA, 1969 [Pesaia avia SIVOV in EGOVA et al., 1955] Salair Fm, Salair, Russia; EULOMIDAE; UCAM.
- Petaloccephalus** LU & QIAN, 1983a [laevis] Changshan Fm, Liaoning, China; PTEROCEPHALIDAE; UCAM.
- Petigurus** RAYMOND, 1913b [Bathyrus nero BILLINGS, 1865] Catoche Fm, Newfoundland, Canada; BATHYURIDAE; LORD.
- Petrbokia** PŘIBYL & VANĚK, 1965 [Platypeltis? [Nileus] longicauda KLOUČEK, 1916] Dobrotivá Fm, Czech Republic; NILEIDAE; MORD.
- Petruninaspis** IVSHIN, 1962 [zoya] Seletinsk Horizon, Kazakhstan; MARJUMIIDAE; UCAM.
- Peziopsis** JU in QIU et al., 1983 [typica] Huangnekan Fm, Zhejiang, China; METAGNOSTIDAE; UORD [j.s.s. of Dividuagnostus, fide ZHOU, 1987].
- Phacopidella** REED, 1905b [Phacops glockeri BARRANDE, 1846a] Liteň Fm, Czech Republic; PHACOPIDAE; LSIL.
- Phacopidina** BANCROFT, 1949 [harnagensis] Smeathen Wood Fm, England; ACASTIDAE; UORD.
- Phacopina** CLARKE, 1913 [Phacops braziliensis CLARKE, 1890] Maecuru Fm, Brazil; CALMONIIDAE; MDEV.
- Phacops** EMMRICH, 1839 [Calymene latifrons BRONN, 1825] Junkerberg Fm, Eifel, Germany; PHACOPIDAE; MDEV.
- Phaeton** BARRANDE, 1946a [preocc., replaced by Phaetonides].
- Phaetonellus** NOVÁK, 1890 [Phaeton planicauda BARRANDE, 1946b] Acanthopyge Lst, Czech Republic; TROPIDOCORYPHIDAE; MDEV.
- Phaetonides** BARRANDE, 1947 [j.o.s. of Prionopeltis].
- Phalacroma** HAWLE & CORDA, 1847 [Battus bibullatus BARRANDE, 1846a] Jince Fm, Czech Republic; AGNOSTIDAE; MCAM.
- Phalacromina** KOBAYASHI, 1962 [Agnostus nudus ovalis ILLING, 1916] Stockingford Sh, England; AGNOSTIDAE; MCAM [j.s.s. of Phalagnostus, fide SHERGOLD et al., 1990].
- Phalagnostus** HOWELL, 1955 [Battus nudus BEYRICH, 1845] Jince Fm, Czech Republic; AGNOSTIDAE; MCAM.

- Phalangocephalus** CAMPBELL, 1977 [*Dalmanites dentata* BARRETT, 1876] Port Jervis Lst, New York, USA; DALMANITIDAE; LDEV.
- Phaldagnostus** IVSHIN in KHALFIN, 1960 [orbiformis] Kulbich Fm, Kazakhstan; AGNOSTINA FAMILY UNCERTAIN; UCAM.
- Phanoptes** HAWLE & CORDA, 1847 [*Paradoxides pusillus* BARRANDE, 1846a] Jince Fm, Czech Republic; PARADOXIDIDAE; MCAM [s.o.s. of *Eccaparadoxides*, submission to ICZN for its suppression pending].
- Pharostoma** HAWLE & CORDA, 1847 [*Calymene pulchra* BARRANDE, 1846a] Šárka Fm, Czech Republic; PHAROSTOMATIDAE; MORD [j.s.s. of *Prionocheilus*, fide MAREK in HORNÝ & BASTL, 1970].
- Pharostomaspis** ABDULLAEV in ABDULLAEV & KHALETSKAYA, 1970 [meridianus] Pskem Ridge, Uzbekistan; PHAROSTOMATIDAE; UORD [j.s.s. of *Thulincola*, fide ADRAIN, herein].
- Pharostomina** SDZUY, 1955 [oepiki] Leimitz Sh, Bavaria, Germany; PHAROSTOMATIDAE; LORD.
- Phaseolops** WHITTINGTON, 1963 [sepositus] Shallow Bay Fm, Newfoundland, Canada; TROPIDOCORYPHIDAE; MORD.
- Phillibole** RICHTER & RICHTER, 1937 [apratherensis] Posidonia Sh. Rhenish Massif, Germany; PROETIDAE; MISS.
- Phillibolina** OSMÓLSKA, 1968 [*Archegonus* (*Phillibolina*) *worsawensis*] Carboniferous Lst, Worston Shale Group, England; PROETIDAE; MISS.
- Phillibolina** GANDL, 1968 [preocc., replaced by *Philliboloides*].
- Philliboloides** GANDL in HAHN & HAHN, 1969 [*Phillipsia glassi* LEYH, 1897] Geigen Schiefer, W Germany; PROETIDAE; MISS [replacement name for *Phillibolina* GANDL].
- Phillipsella** OEHLERT, 1886 [suppressed by ICZN opinion 476 in favour of *Phillipsinella*].
- Phillipsia** PORTLOCK, 1843 [kellyi] Carboniferous Lst, Kildare, Ireland; PROETIDAE; MISS.
- Phillipsinella** NOVÁK, 1885 [*Phacops parabola* BARRANDE, 1846b] Králův Dvůr Fm, Czech Republic; STYGINIDAE; UORD.
- Phillipsmithiana** LIEBERMAN & KLOC, 1997 [hy-finkeli] Mt Issomour, Morocco; ACASTIDAE; MDEV [j.s.s. of *Hollandops*, fide MORZADEC, 2001].
- Philonyx** RICHTER & RICHTER, 1952 [*Astropyge?* (*Philonyx*) *philonyx*] Schalker Teich, Harz Mts, Germany; ACASTIDAE; MDEV.
- Physacium** HAWLE & CORDA, 1847 [*paradoxum*] Czech Republic; PARADOXIDIDAE; MCAM [j.s.s. of *Hydrocephalus*, fide DEAN & RUSH-TON, 1997].
- Phoidagnostoides** PILLET in CAPERA et al., 1978 [*Leiagnostus miqueli* SDZUY, 1958b] Horizon C, Combes de Barroubio, Montagne Noire, France; AGNOSTINA FAMILY UNCERTAIN; LORD [j.s.s. of *Leiagnostus*, fide SHERGOLD et al., 1990].
- Phoidagnostus** WHITEHOUSE, 1936 [*limbatus*] Devoncourt Lst, Queensland, Australia; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Phorcotropis** RAYMOND, 1924 [*puteatus*] Gorge Fm, Vermont, USA; PAGODIIDAE; UCAM.
- Phorocephala** LU in LU et al., 1965 [*typa*] Siliangssu Fm, Shaanxi, China; TELEPHINIDAE; MORD.
- Phylacops** COOPER & KINDLL, 1936 [*vigilans*] White Head Fm, Quebec, Canada; CYCLOPYGIDAE; UORD.
- Phylacterus** RAYMOND, 1924 [*saylesi*] Gorge Fm, Vermont, USA; PHYLACTERIDAE; UCAM.
- Phyllaspis** RICHTER, 1863 [*raniceps*] Tentaculiten-Schiefer, E Thuringian Slate Mts, Germany; PROETIDAE; MDEV.
- Phymaspis** POULSEN, 1964 [*dignata*] Cape Wood Fm, NW Greenland; AGRAULIDAE; MCAM.
- Physemataspis** EVITT & TRIPP, 1977 [*coopi*] Edinburg Fm, Virginia, USA; ENCRINURIDAE; UORD.
- Pianaspis** SAITO & SAKAKURA, 1936 [*kodairai*] Masanri Fm, South Korea; POPYRIASPIDIDAE; MCAM.
- Piaziella** LOCHMAN, 1947 [*Ptychoparia pia* WILCOTT, 1917] Mt Whyte Fm, British Columbia, Canada; PTYCHOPARIIDAE; MCAM.
- Pichunia** RUSCONI, 1958 [*indomita*] El Totoral, Mendoza, Argentina; INDET; MCAM.
- Pichyklen** RUSCONI, 1956 [*minutissima*] Empozada Fm, San Isidro, Mendoza, Argentina; UNCERTAIN; LORD.
- Pichynturia** RUSCONI, 1958 [*oscelata*] El Totoral, Mendoza, Argentina; INDET; MCAM.
- Piedmontia** RESSER, 1938b [*magnispina*] Noli-chucky Fm, Alabama, USA; CEDARIIDAE; UCAM [j.s.s. of *Bonneterrina*, fide LOCHMAN & DUNCAN, 1944].
- Pileaspis** SUN, 1990 [*dictyocutis*] Fengshan Fm, Hebei, China; SAUKIIDAE; UCAM.
- Pilekia** BARTON, 1916 [*Cheirurus apollo* BILLINGS, 1860b] Levis Fm, Quebec, Canada; PILEKIIDAE; LORD.
- Pilgrimia** DUNCAN in LOCHMAN & DUNCAN, 1944 [preocc. replaced by *Paraccedaria*].
- Piliolites** COZZENS, 1846 [*ohioensis*] Falls of the Ohio, Ohio, USA; INDET; MDEV.
- Pilletina** HAAS, 1970 [*Astropyge* (*Metacanthina*) *ochlerti* praecursor PILLET, 1958] Vern Lst, Anjou, France; ACASTIDAE; LDEV.
- Pilletopeltis** PŘIBYL in PILLET, 1973a [*Trilobites sternbergi* BOECK, 1827] *Acanthopyge* Lst, Czech Republic; CHEIRURIDAE; MDEV [replacement name for *Bocckia* PILLET; j.s.s. of *Crotalocephalus*, fide MAKSIMOVA, 1978b].
- Piltonia** GOLDRING, 1955 [*salteri*] Pilton Beds, England; PROETIDAE; MISS.

- Pinctus** WILSON, 1951 [latus] Gatesburg Fm, Pennsylvania, USA; DOKIMOCEPHALIDAE; UCAM.
- Pingluaspis** J. ZHANG & WANG, 1986 [minor] Kushan Fm, Shanxi, China; PTYCHOPARIIDAE; UCAM.
- Pingluia** J. ZHANG & WANG, 1985 [pingluensis] Changhia Fm, Shanxi, China; SOLENOPLEURIDAE; MCAM.
- Pinguania** GUO & DUAN, 1978 [pingquanensis] Kushan Fm, Hebei, China; DAMESELLIDAE; UCAM.
- Piochaspis** LEVI-SETTI, 1993 [sellata] Chisholm Sh, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Piochiella** SUNDBERG & McCOLLUM, 2003 [peasleensis] Pioche Sh, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Pionaspis** Q.Z. ZHANG in QIU et al., 1983 [ichthyura] Kushan Fm, Zhejiang, China; DAMESELLIDAE; UCAM.
- Piriforma** KOROBOV, 1989 [matura] Akbashinsky Fm, W Mongolia; DINESIDAE; LCAM.
- Piriproetoides** ALBERTI, 1981a [Proetus (Piriproetus) amblyops ERBEN, 1952] *Amplexus* Bank, Wernigerode, E Harz Mts, Germany; TROPIDOCORYPHIDAE; MDEV.
- Piriproetus** ERBEN, 1952 [Proetus (Piriproetus) pirus] zorgensis Lst, Trautenstein, E Harz Mts, Germany; TROPIDOCORYPHIDAE; LDEV.
- Pjatkovaspellus** HAJRULLINA, 1973 [alexandri] *Pianaspis recta* Zone, Uzbekistan; ANOMOCARIDAE; MCAM.
- Placoparia** HAWLE & CORDA, 1847 [Trilobites zippei BOECK, 1827] Dobrotivá Fm, Czech Republic; PLIOMERIDAE; MORD.
- Placoparina** WHITTARD, 1940a [Cryphaeus sedgwickii McCoy, 1849] Llandeilo, Wales; CHEIRURIDAE; MORD.
- Placosema** ÖPIK, 1967 [caelatum] Mungerebar Lst, Queensland, Australia; LLANOASPIDIDAE; UCAM. [j.s.s. of Genevievella, fide PRATT, 1992]
- Placsiacomia** HAWLE & CORDA, 1847 [rara] Letná Fm, Czech Republic; HOMALONOTIDAE; UORD.
- Plagiolaria** KEGEL, 1952 [Phacops plagiophthalmus RICHTER, 1865] Tentaculiten Schiefer, Thuringia, Germany; PHACOPIDAE; MDEV [replacement name for Plagiops].
- Plagiops** KEGEL, 1932 [preocc., replaced by Plagiolaria].
- Plagiura** RESSER, 1935 [Ptychoparia ? cercops WALCOTT, 1917] Mount Whyte Fm, Alberta, Canada; PTYCHOPARIIDAE; LCAM.
- Plagiurella** RESSER, 1937b [Ptychoparia ? cleadas WALCOTT, 1917] Mount Whyte Fm, Alberta, Canada; PTYCHOPARIIDAE; LCAM [j.s.s. of Plagiura, fide LOCHMAN, 1947].
- Plakhinella** LAZARENKO, 1965 [quadrata] *Lejopyge armata-Maiaspis mirabilis* Zone, N Siberia, Russia; DOKIMOCEPHALIDAE; UCAM.
- Planaspis** REPINA, 1960 [gelasinica] Kameshkov Horizon, Kuznetsk Alatau, Russia; ALDONAIDAE; LCAM.
- Planitobus** ENGEL & MORRIS, 1995 [Australokaskia (Planitobus) nooroocensis] Wootton Beds, New South Wales, Australia; PROETIDAE; MISS.
- Planiscutellum** RICHTER & RICHTER, 1956 [Bron-teus (Holomeris) planus HAWLE & CORDA, 1847] Liteň Fm, Czech Republic; STYGINIDAE; LSIL.
- Planocephalus** ZADOROZKAYA in ZHURAVLEVA et al., 1967 [cultus] Obruchev Horizon, Tuva, Russia; SAUKIANDIDAE; LCAM.
- Planodiscus** KOROBOV, 1980 [patulus] Egyngol-skaya Fm, NW Mongolia; HEBEDISCIDAE; LCAM [j.s.s. of Parapaetia, fide JELL, 1997].
- Planokaskia** ENGEL & MORRIS, 1994 [gibsoni] Flagstaff Fm, New South Wales, Australia; PROETIDAE; MISS.
- Planolimbus** GEYER, 1990 [hessikouanus] *Bailiella* Fm, Morocco; ELLIPSOCEPHALIDAE; MCAM.
- Plasiaspis** PRANTL & PŘIBYL, 1949c [Dindymene bohémica BARRANDE, 1852] Šárka Fm, Czech Republic; ENCRINURIDAE; MORD.
- Platagnostus** HOWELL, 1935b [immensus] Coulouma, France; AGNOSTIDAE; MCAM [j.s.s. of Phalacroma, fide SHERGOLD et al., 1990].
- Plataspella** WILSON, 1949 [Iddingsia anatina RESSER, 1942b] Honey Ck Lst, Oklahoma, USA; DOKIMOCEPHALIDAE; UCAM [j.s.s. of Iddingsia, fide WESTROP, 1986b].
- Platillaenus** JAANUSSON, 1954 [Illaenus ladogensis HOLM in SCHMIDT, 1886b] Obuchov Fm, St Petersburg region, Russia; ILLAENIDAE; MORD.
- Platopolichas** GÜRICH, 1901 [Lichas avus BARRANDE, 1872] Šárka Fm, Czech Republic; LICHIDAE; MORD [j.s.s. of Uralichas, fide THOMAS & HOLLOWAY, 1988].
- Platyantyx** WHITTINGTON, 1953 [Bathyrus arcuatus BILLINGS, 1865] boulder near St Antoine de Tilly, Quebec, Canada; BATHYURIDAE; MORD.
- Platycalymene** SHIRLEY, 1936 [Asaphus duplicatus MURCHISON, 1839] Chirbury Fm, Shelve, England; CALYMENIDAE; UORD.
- Platycolpus** RAYMOND, 1913a [preocc. replaced by Rasettia].
- Platycoryphe** FOERSTE, 1919a [Calymene platycephala FOERSTE, 1910] Saltillo Lst, Tennessee, USA; HOMALONOTIDAE; MORD.
- Platydiamesus** RAYMOND, 1937 [depressus] Gorge Fm, Vermont, USA; ILLAENURIDAE; UCAM.
- Platyharpes** WHITTINGTON, 1950b [j.o.s. of Hibernial].
- Platylichas** GÜRICH, 1901 [Lichas margaritifera NIESZKOWSKI, 1857] Porkuni Lst, Estonia; LICHIDAE; UORD.

- Platylisania** W. ZHANG & JELL, 1987 [hypertellus] Changhia Fm, Shandong, China; LISANIIDAE; MCAM.
- Platymetopus** ANGELIN, 1854 [preooc., replaced by Paraliehas].
- Platynotus** CONRAD, 1838 [preooc., replaced by Aretinurus].
- Platypeltis** CALLAWAY, 1877 [preooc., replaced by Platypeltoides].
- Platypeltoides** PŘIBYL in PRANTL & PŘIBYL, 1949d [Asaphus (Platypeltis) croftii CALLAWAY, 1877] Shineton Sh Fm, England; NILEIDAE; LORD [replacement name for Platypeltis].
- Platyptychopyge** XIA, 1978 [quadrata] Miaopo Fm, Hubei, China; ASAPHIDAE; MORD.
- Platysaukia** KOBAYASHI, 1960b [euryraehis] Kasetsu Fm, South Korea; SAUKIIDAE; UCAM.
- Platyscutellum** ŠNAJDR, 1958c [Bronteus formosus BARRANDE, 1846a] Dvorce-Prokop Lst, Czech Republic; STYGINIDAE; LDEV.
- Plebiellus** WU & LIN in W. ZHANG et al., 1980b [obsoletus] Changhia Fm, Shanxi, China; ANOMOCARELLIDAE; MCAM.
- Plectasaphus** JAANUSSON, 1953 [Asaphus plicicostis TÖRNQUIST, 1884] Folkeslunda Lst, Dalarna, Sweden; ASAPHIDAE; MORD.
- Plecteuloma** SHERGOLD, 1975 [Euloma (Plecteuloma) strix] Chatsworth Lst, Queensland, Australia; EULOMIDAE; UCAM.
- Plectrella** LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989 [Liostracinoidea? yukonensis PALMER, 1968] Hillard Lst, E Alaska, USA; PTYCHASPIDIDAE; UCAM.
- Plectrifer** ÖPIK, 1967 [plectrifer] Mungerebar Lst, Queensland, Australia; RHYSSOMETOPIIDAE; MCAM.
- Plectrocrania** ZHANG & YUAN in W. ZHANG et al., 1980b [minor] Changhia Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Plenudiscus** KOROBOV, 1980 [erassus] Egyngol'skaya Fm, NW Mongolia; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Triangulaspis, fide JELL, 1997].
- Plesiagraulos** W. ZHANG, 1963 [Metagraulos tienshihfuensis ENDO, 1944] Maochuang Fm, Liaoning, China; AGRAULIDAE; MCAM.
- Plesiamcephalus** LIN & QIU in QIU et al., 1983 [xuzhouensis] Maochuang Fm, Jiangsu, China; ALOKISTOCARIDAE; MCAM.
- Plesigangderria** QIU in QIU et al., 1983 [zhanglouensis] Hsuehuang Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Plesiocilia** YUAN & YIN, 1998 [minuta] Cheftu Fm, Guizhou, China; PTEROCEPHALIIDAE; UCAM.
- Plesioconvexa** LIEBERMAN, 1993 [Metaeryphaeus praecursor WOLFART, 1968] Belén Fm, Bolivia; CALMONIIDAE; LDEV.
- Plesioinouyella** QIU in QIU et al., 1983 [granulosa] Changhia Fm, Anhui, China; ORDOSIIDAE; MCAM.
- Plesiomalvinella** LIEBERMAN et al., 1991 [Metaeryphaeus boulei pujravii WOLFART, 1968] Belén Fm, Bolivia; CALMONIIDAE; MDEV.
- Plesiomegalaspis** THORAL, 1946 [graffii] Montagne Noire, France; ASAPHIDAE; LORD [j.s.s. of Asaphellus, fide FORTEY & OWENS, 1987].
- Plesionevadia** LIEBERMAN, 2001 [Callavia burri WALCOTT, 1910] Weymouth Fm, Massachusetts, USA; NEVADIIDAE; LCAM.
- Plesioparabolina** HARRINGTON & LEANZA, 1942 [proparia] Tremadoecian, Salta, Argentina; ALSATASPIDIDAE; LORD.
- Plesioperiomma** QIU, 1980 [elevata] Manto Fm, Jiangsu, China; ANTAGMIDAE; MCAM.
- Plesioiwensus** LIEBERMAN, 1994 [Proetus obconicus LINDSTRÖM, 1885] Eke Fm, Gotland; PROETIDAE; USIL.
- Plesioiwania** BI in QIU et al., 1983 [oblongata] Hsuehuang Fm, Anhui, China; INOUYIIDAE; MCAM.
- Plesisolnoparia** ZHANG & YUAN in W. ZHANG et al., 1980b [Solnoparia (Plesisolnoparia) trapezoidalis] Hsuehuang Fm, Shanxi, China; SOLENOPLURIDAE; MCAM.
- Plesiyuepingia** XIANG & ZHOU, 1987 [parva] Datan Fm, Hubei, China; ASAPHIDAE; LORD.
- Plethagnostus** CLARK, 1923b [gyps] Levis Fm, Quebec, Canada; DIPLAGNOSTIDAE; UCAM [j.s.s. of Pseudagnostus, fide PENG & ROBISON, 2000].
- Plethometopus** ULRICH in BRIDGE, 1931 [Bathyurus armatus BILLINGS, 1860b] Levis Fm, Quebec, Canada; PLETHOPELTIDAE; UCAM [j.s.s. of Plethopeltis, fide LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989].
- Plethopeltella** KOBAYASHI, 1943b [Plethopeltis resseri KOBAYASHI, 1933b] Wanwankou Dol, Liaoning, China; LEIOSTEGIIDAE; LORD.
- Plethopeltides** MAKSIMOVA, 1962 [magnus] Chun'sk Stage, Vilyuy River, Siberian Platform, Russia; PLETHOPELTIDAE; LORD.
- Plethopeltis** RAYMOND, 1913a [Agraulos saratogensis WALCOTT, 1890c] Hoyt Lst, New York, USA; PLETHOPELTIDAE; UCAM.
- Plethopeltoides** KHRAMOVA, 1968 [Plethopeltis stenorhachis KOBAYASHI, 1943b] Chukusk Fm, N Siberia, Russia; PLETHOPELTIDAE; UCAM.
- Pleuracanthus** MILNE-EDWARDS, 1840 [preooc., replaced by Asteropyge].
- Pleuroctenium** HAWLE & CORDA, 1847 [Battus granulatus BARRANDE, 1846a] Jince Fm, Czech Republic; CONDYLOPYGIDAE; MCAM.
- Plicatolina** SHAW, 1951 [kindlei] Gorge Fm, Vermont, USA; OLENIDAE; UCAM.
- Plicatolinella** ROBISON & PANTOJA-ALOR, 1968 [ocula] Tinu Fm, Oaxaca, Mexico; OLENIDAE; LORD.

- Pliomera** ANGELIN, 1854 [*Asaphus fischeri* EICHWALD, 1825] Östergötland, Sweden; PLIOMERIDAE; LORD [replacement name for *Amphion*].
- Pliomeraspis** HARRINGTON, 1957 [j.o.s. of *Pliomerina*].
- Pliomerella** REED, 1941 [serotina] Balclatchie Fm, Scotland; PLIOMERIDAE; UORD.
- Pliomerellus** CHUGAEVA, 1964 [jacuticus] Elgenchack Mts, Kofyma, Russia; UNCERTAIN; LORD.
- Pliomeridius** LEANZA & BALDIS, 1975b [sulcatus] Sepulturas Fm, Jujuy, Argentina; PLIOMERIDAE; LORD.
- Pliomerina** CHUGAEVA, 1956 [*Pliomera martelli* REED, 1917] Lower Pupiao Fm, Yunnan, China; PLIOMERIDAE; MORD.
- Pliomeroides** HARRINGTON & LEANZA, 1957 [*Protopliomerops deferrariisi* HARRINGTON, 1938] Coquena Sh, Jujuy, Argentina; PILEKIIDAE; LORD.
- Pliomerops** RAYMOND, 1905b [*Amphion canadensis* BILLINGS, 1859] Chazy Lst, Mingan Is, Quebec, Canada; PLIOMERIDAE; UORD.
- Plurinodus** ÖPIK, 1967 [discretus] O'Hara Sh, Queensland, Australia; AGNOSTINA FAMILY UNCERTAIN; MUCAM.
- Plusiarges** GÜRICH, 1901 [*Lichas palmata* BARRANDE, 1846a] Liteň Fm, Czech Republic; LICHIDAE; LSIL [j.s.s. of *Trochurus*, fide TRIPP, 1958].
- Plutonia** HICKS, 1871 [preocc., replaced by *Plutonides*].
- Plutonides** HICKS, 1895 [*Plutonia sedgwickii* HICKS, 1871] SW Wales; PARADOXIDIDAE; MCAM [replacement name for *Plutonia*].
- Podoliproetus** ŠNAJDR, 1980 [*Proetus perinsignis* CHLUPÁČ & VANĚK, 1965] Dvorce-Prokop Fm, Czech Republic; PROETIDAE; LDEV.
- Podolites** BALASHOVA, 1968 [preocc., replaced by *Rugulites*].
- Podowrinella** CLARKSON et al., 1977 [*Phacops straitonensis* LAMONT, 1965] Knockgardner Fm, Scotland; PTERYGOMETOPIDAE; LSIL.
- Pogrebovites** BALASHOVA, 1976 [*Niobe volborthi* F. SCHMIDT, 1907] Volkhov or Obuchov Fm, St Petersburg region, Russia; PANDERIIDAE; MORD.
- Pokrovskayaspis** HAJRULLINA, 1973 [ninae] *Pianaspis recta* Zone, Uzbekistan; PTYCHOPARIDAE; MCAM.
- Pokrovskiella** KOROBOV, 1989 [mongolica] Akbashinsky Fm, W Mongolia; DINESIDAE; LCAM.
- Poletaevia** ROZOVA, 1960a [shorica] Gorny Shoria, S Siberia, Russia; REMOPLEURIDIDAE; LORD.
- Poletaevella** DALMATOV & REPINA, 1971 [baljutica] E Sayan, S Siberia, Russia; OLENELLINA FAMILY UNCERTAIN; LCAM.
- Poliella** WALCOTT, 1916b [anteros] Spence Sh, Idaho, USA; DOLICHOMETOPIDAE; MCAM.
- Poliellaites** SUNDBERG & McCOLLUM, 2003 [gloriosa] Pioche Sh, Nevada, USA; DOLICHOMETOPIDAE; MCAM.
- Poliellaspidella** POLETAEVA, 1960 [tannuolica] Sanashtykgol Horizon, Tuva, Russia; DOLICHOMETOPIDAE; LCAM.
- Poliellaspis** LERMONTOVA, 1940 [*Poliellina sayanicus* POLETAEVA, 1936] Amgaian, W Sayan, Russia; DOLICHOMETOPIDAE; MCAM.
- Poliellina** POLETAEVA, 1936 [lermontovi] Amgaian, W Sayan, Russia; DOLICHOMETOPIDAE; MCAM.
- Politicurus** ADRAIN et al., 2003 [*Hystricurus politus* ROSS, 1951] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Politinella** IVSHIN, 1979 [*Poliellina (Politinella) bajanica*] Bayanaulsk Horizon, central Kazakhstan; DOLICHOMETOPIDAE; LCAM.
- Poljakovia** BOGNIBOVA in CHERNYSHEVA, 1971 [sajanica] Amgaian, E Sayan, S Siberia, Russia; UTIIDAE; MCAM [j.s.s. of *Antagmopleura*, fide JELL, herein].
- Polliaxis** PALMER, 1968 [inflata] Adams Argillite, Alaska, USA; EDELSTEINASPIDIDAE; LCAM.
- Polyariella** ROZOVA, 1963 [pallida] Yurakiysky Horizon, NW Siberia, Russia; ILLAENURIDAE; UCAM.
- Polycyrtaspis** ÖPIK, 1967 [flexuosa] O'Hara Sh, Queensland, Australia; POLYCYRTASPIDIDAE; MUCAM.
- Polydinotes** ÖPIK, 1975a [*Xystridura (Polydinotes) verticosa*] Montejinni Lst, Northern Territory, Australia; XYSTRIDURIDAE; MCAM.
- Polyeres** ROUAULT, 1847 [dufrenoyi] Riadan, Brittany, France; ODONTOPLEURIDAE; LORD [s.s.s. of *Selenopeltis*, but considered a nomen oblitum by DEAN, 1966 and BRUTON, 1968].
- Polypleuraspis** POULSEN, 1927 [solitaria] Cape Wood Fm, NW Greenland; DOLICHOMETOPIDAE; MCAM.
- Polytomurus** HAWLE & CORDA, 1847 [suppressed in favour of *Dionide*, fide WHITTINGTON, 1952b].
- Pompeckia** WARBURG, 1925 [*Sphaerexochus wegeleri* ANGELIN, 1854] Boda Lst, Dalarna, Sweden; CHEIRURIDAE; UORD.
- Pontipalpebralia** LÜTKE, 1968 [*Palpebralia (Pontipalpebralia) pontifera*] Ehemaliger Kalkanbruch, Harz Mts, Germany; PROETIDAE; UDEV.
- Poniumia** HU, 1970 [Bynumiella? obscura] LOCHMAN, 1964a] Deadwood Fm, Montana, USA; PHYLACTERIDAE; UCAM [j.s.s. of *Aphelotoxon*, fide HOHENSEE & STITT, 1989].
- Popigaia** EGOROVA, 1967 [globosa] Amgaian, N Siberia, Russia; DORYPYGIDAE; MCAM.
- Popovkiaspis** BALASHOVA, 1966a [*Mcgalaspis pogrebowi* LAMANSKY, 1905] River Popovka, Estonia; ASAPHIDAE; LORD.

- Popovkites** BALASHOVA, 1966a [*Megalaspides schmidti* LAMANSKY, 1905] River Popovka, Estonia; ASAPHIDAE; LORD.
- Poragraulus** W. ZHANG, 1963 [perforatus] Hsueh-chuang Fm, Liaoning, China; AGRAULIDAE; MCAM.
- Porilorenzella** W. ZHANG, 1963 [foraminifera] Hsueh-chuang Fm, Liaoning, China; LORENZELLIDAE; MCAM.
- Poriplothopeltis** YUAN & YIN, 1998 [sinensis] Chefu Fm, Guizhou, China; PLETHOPELTIDAE; UCAM.
- Poronileus** FORTEY, 1975 [fistulosus] Valhallfona Fm, Spitsbergen; NILEIDAE; MORD.
- Poroscutellum** ŠNAJDR, 1958c [*Bronteus porosus* BARRANDE, 1846a] Dvorcek-Prokop Lst, Czech Republic; STYGINIDAE; LDEV.
- Portaginus** LESPÉRANCE, 1968 [robustus] White Head Fm, Quebec, Canada; HOMALONOTIDAE; UORD [j.s.s. of *Brongniartella*, fide DEAN, 1976].
- Portentosus** EGOROVA in EGOROVA et al., 1955 [brevis] Tolstochikhin Fm, Salair, Russia; REMOPLEURIDIDAE; UCAM.
- Porterfieldia** COOPER, 1953 [*Triarthrus caecigenus* RAYMOND, 1920] Athens Fm, Virginia, USA; OLENIDAE; UORD.
- Portlockia** MCCOY, 1846 [sublaevis] Wenlock Series, Cong district, Galway, Ireland; PHACOPIDAE; LSIL.
- Poshania** W. ZHANG, 1959 [poshanensis] Changhia Fm, Shandong, China; ORDOSIIDAE; MCAM.
- Postasaphus** BALASHOVA, 1976 [*Asaphus ludibundus* mut. *kegelensis* SCHMIDT, 1901] Kčila Stage, Estonia; ASAPHIDAE; UORD [j.s.s. of *Neoasaphus*, fide NIELSEN, 1995].
- Postfallotaspis** ORLOWSKI, 1985 [spinatus] Ocieseki Sst, Holy Cross Mtns, Poland; HOLMIIDAE; LCAM.
- Poulsenella** ROZOVA, 1963 [latensis] Nganasansky Horizon, NW Siberia, Russia; PTYCHOPARIIDAE; UCAM.
- Poulsenia** RESSER, 1936 [*Solenopleura gronwalli* POULSEN, 1927] Cape Kent Fm, NW Greenland; PTYCHOPARIIDAE; LCAM.
- Poulseniella** POULSEN, 1964 [groenlandica] Cape Wood Fm, NW Greenland; PTYCHOPARIIDAE; MCAM.
- Pradesia** THORAL, 1935 [martyi] Prades-sur-Vernazobres, Montagne Noire, France; ISOCOLIDAE; LORD.
- Pradoella** HAMMANN, 1977 [pradoi] *Neseuretus tristani* shales, Sierra Morena, Spain; CALYMENIDAE; MORD.
- Praecoparia** LOCHMAN, 1966 [wibauxensis] Deadwood Fm, Montana, USA; ASAPHIDAE; LORD.
- Praedeckenella** MAKSIMOVA, 1952 [liniclivosa] Tashupsk Fm, Minusa, Gorny Altay, Russia; PROETIDAE; MDEV.
- Praepatokephalus** LOCHMAN, 1964b [*Pseudokainella?* armatus HINTZE, 1953] House Fm, Utah, USA; REMOPLEURIDIDAE; LORD.
- Pragolithus** VANĚK, 1995 [*Trinucleus bucklandi* praecedens KLOUČEK, 1916] Dobrotivá Fm, Czech Republic; TRINUCLEIDAE; MORD.
- Pragoproetus** ŠNAJDR, 1977 [*Proetus menaniensis* PŘIBYL, 1949] Vinarice Lst, Czech Republic; PROETIDAE; LDEV.
- Prantlia** PŘIBYL, 1946 [*Proetus longulus* HAWLE & CORDA, 1847] Kopanina Fm, Czech Republic; PROETIDAE; USIL.
- Prehousia** PALMER, 1960 [alata] Dunderberg Fm, Nevada, USA; PTEROCEPHALIIDAE; UCAM.
- Preodontochile** DEGARDIN & PILLET, 1984 [*Dalmanites* (*Preodontochile*) *camprodonensis*] Camprodon, Gerone, Spain; DALMANITIDAE; LSIL.
- Prephacopidella** DESTOMBES, 1963 [*Phacopidella* (*Prephacopidella*) *struvei*] Ktaoua series, Morocco; DALMANITIDAE; UORD [j.s.s. of *Dreyfussina*, fide DESTOMBES, 1972].
- Presbynileus** HINTZE, 1954 [*Paranileus ibexensis* HINTZE, 1953] Fillmore Fm, Utah, USA; ASAPHIDAE; LORD [replacement name for *Paranileus*].
- Prestalia** ELDREDGE & BRANIŠA, 1980 [*Deltacephalaspis* (*Prestalia*) *tumida*] Icla Fm, Bolivia; CALMONIIDAE; LDEV.
- Pribylia** ERBEN, 1951 [*Proetus inaequicostatus* BARRANDE, 1846a] Koneprusy Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Priceaspis** LEGG, 1976 [*Priceaspis* (*Priceaspis*) *oepiki*] Emanuel Fm, Western Australia; ASAPHIDAE; LORD.
- Pricyclopyge** RICHTER & RICHTER, 1954 [*Aeglina prisca* BARRANDE, 1872] Šárka Fm, Czech Republic; CYCLOPYGIDAE; MORD.
- Primaspis** RICHTER & RICHTER, 1917 [*Odontopleura primordialis* BARRANDE, 1846a] Letná Fm, Czech Republic; ODONTOPEURIDAE; UORD.
- Primoriella** REPINA, 1973 [bella] *Redlichina culmenica* Zone, Far E Siberia, Russia; PARADOXIDIDAE; LCAM.
- Princetonella** LOCHMAN, 1953a [[*Calyptomma typicale* RESSER, 1942b] Red Lion Fm, Montana, USA; DIKELOCEPHALIDAE; UCAM [replacement name for *Calyptomma*].
- Prionocheilus** ROUAULT, 1847 [verneuili] Caradocian, Brittany, France; PHAROSTOMATIDAE; MORD.
- Prionopeltis** HAWLE & CORDA, 1847 [*Phacton archiaci* BARRANDE, 1846a] Kopanina Fm, Czech Republic; TROPIDOCORYPHIDAE; USIL.
- Prionopyge** HARRINGTON & LEANZA, 1942 [unnecessary replacement name for, and thus j.o.s. of *Onychopyge*].
- Prionurus** HAWLE & CORDA, 1847 [typographical error for *Prionopeltis*].

- Prismenaspis** HENDERSON, 1976 [Eugonocare propinquum WHITEHOUSE, 1939] Georgina Lst, Queensland, Australia; ELVINIIDAE; UCAM [j.s.s. of Protemmites, fide SHERGOLD, 1982].
- Proagnostos** BUTTS, 1926 [bulbus] Nolichucky Fm, Alabama, USA; AMMAGNOSTIDAE; UCAM.
- Proampyx** FRECH, 1897 [Proetus? difformis acuminatus ANGELIN, 1851] Andrarum Lst, Sweden; AGRAULIDAE; MCAM.
- Proapatokephaloides** ERGALIEV, 1980 [longifrons] Malokaratau Fm, Kazakhstan; PTEROCEPHALIIDAE; UCAM.
- Proapatokephalops** ROZOVA, 1960a [oblongus] Tolstochikhin Fm, Salair, Russia; REMO-PLEURIDIDAE; UCAM.
- Proaraiopleura** T. ZHANG, 1981 [guozigouensis] Guzigou Fm, Xinjiang, China; ALSATASPIDIDAE; UCAM [j.s.s. of Skljarella, fide PENG, 1992].
- Proasaphiscina** LIN & WU in W. ZHANG et al., 1980b [quadrata] Hsuehuang Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Proasaphiscus** RESSER & ENDO in KOBAYASHI, 1935c [yabei] Hsuehuang Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.
- Proasaphus** BALASHOVA, 1966a [primus] Leetse Fm, St Petersburg region, Russia; ASAPHIDAE; LORD.
- Proaulacopleura** KOBAYASHI, 1936c [buttsi] Conasauga Fm, Alabama, USA; APHELASPIDIDAE; UCAM [j.s.s. of Aphelaspis, fide PALMER, 1965].
- Proavus** POLETAEVA, 1972 [nativus] Orlinogorsk Fm, Gorny Altay; SOLENOPLEURIDAE; MCAM.
- Probilacunaspis** ERGALIEV, 1980 [prolatus] Malokaratau Fm, Kazakhstan; EULOMIDAE; UCAM.
- Probolichas** PHLEGER, 1936 [Lichas (Hoplolichas) robbinsi E.O. ULRICH, 1892] Galena Fm, Minnesota, USA; LICHIDAE; UORD.
- Probolium** OEHLERT, 1889 [prococ., replaced by Neoprobolium].
- Proboloides** CLARKE, 1913 [prococ., replaced by Paracalmonia].
- Probolops** DELO, 1935 [Proboloides glabellirostris KOZLOWSKI, 1923] Icla Fm, Padilla, Bolivia; CALMONIIDAE; LDEV.
- Probowmania** KOBAYASHI, 1935c [Ptychoparia ligea WALCOTT, 1905] Manto Fm, Shandong, China; PTYCHOPARIIDAE; MCAM.
- Probowmaniella** W. ZHANG, 1963 [jiawangensis] Maochuang Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM.
- Probowmanops** JU, 1983 [transversus] Dechenling Fm, Zhejiang, China; PTYCHOPARIIDAE; MCAM.
- Procephalops** WHITTARD, 1966 [hopense] Hope Sh Fm, England; NILEIDAE; MORD [j.s.s. of Illaenopsis, fide FORTEY & OWENS, 1987].
- Proceratocephala** PRANTL & PŘIBYL, 1949a [Acidaspis terribilis REED, 1914] South Threave Fm, Scotland; ODONTOPLEURIDAE; UORD.
- Proceratopyge** WALLERIUS, 1895 [conifrons] *Lejopyge laevigata* Zone, Västergötland, Sweden; CERATOPYGIDAE; MCAM.
- Prochangshania** ZHU, 1960a [shihuiougensis] Qinghai, China; CHANGSHANIIDAE; UCAM [j.s.s. of Changshania, fide ZHU in ZHU et al., 1979].
- Prochuangia** KOBAYASHI, 1935c [mansuyi] Saisho-ri, South Korea; PAGODIIDAE; UCAM.
- Prodalmanitina** CHUGAEVA, 1968 [nikolayevi] Khitu Fm, El'genchak Mts, Far East, Russia; DIAPHANOMETOPIDAE; LORD.
- Prodamesella** W. ZHANG, 1959 [convexa] Changhia Fm, Shandong, China; UNCERTAIN; MCAM.
- Prodiacoryphe** YUAN 1988 [osmolskae] *Prolobites* Zone, Holy Cross Mts, Poland; PROETIDAE; UDEV.
- Prodikelocephalites** YUAN & YIN, 1998 [mesembrinus] Chefu Fm, Guizhou, China; PTEROCEPHALIIDAE; UCAM.
- Prodontochile** KOBAYASHI & HAMADA, 1971a [igoi] Setul Lst, W Malaysia; DALMANITIDAE; LSIL.
- Prodrevermannia** ALBERTI, 1964 [Drevermannia (Prodrevermannia) jaegeri] Praeger-Stufe, Oberfranken, Germany; TROPIDOCORYPHIDAE; LDEV.
- Proehmaniella** SUNDBERG, 1994 [Ehmaniella basilica RESSER, 1945] Bright Angel Sh, Arizona, USA; ALOKISTOCARIDAE; MCAM.
- Proerbia** LERMONTOVA, 1940 [prisca] Kutorgina Fm, Siberia, Russia; DINESIDAE; LCAM.
- Proetidella** BANCROFT, 1949 [fearnsidei] Smeathen Wood Fm, England; TROPIDOCORYPHIDAE; UORD [j.s.s. of Decoroproetus, fide OWENS, 1970].
- Proetides** WALTER, 1924 [Phillipsia insignis WINCHELL, 1863] Prospect Hill Sst, Iowa, USA; BRACHYMETOPIIDAE; MISS.
- Proetiella** HARRINGTON & LEANZA, 1957 [Dalmanitina tellecheai RUSCONI, 1951] San Juan Lst, San Juan, Argentina; LEIOSTEGIIDAE; MORD [j.s.s. of Annamitella, fide WHITTINGTON, 1964].
- Proetina** PŘIBYL, 1946 [latimargo] Koncprusy Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Proetocephalus** LÜTKE, 1977 [anceps] Wiede, Harz Mts, Germany; PROETIDAE; LDEV.
- Proetopeltis** PŘIBYL, 1965 [Proetus neglectus BARRANDE, 1852] Acanthopyge Lst, Czech Republic; TROPIDOCORYPHIDAE; MDEV.
- Proetus** STEININGER, 1831 [Calymene concinna DALMAN, 1827] Mulde Fm, Gotland, Sweden; PROETIDAE; LSIL.
- Profallogaspis** REPINA in KHOMENOVSKY & REPINA, 1965 [jakutensis] Kenyardinsk Horizon, Siberia, Russia; FALLOTASPIDIDAE; LCAM.
- Prohedinaspis** ROMANENKO, 1977 [annosa] Gorny Altay; POPYRIASPIDIDAE; UCAM.

- Prohedinelia** SIVOV in EGOROVA et al., 1955 [erbiensis] Bolshcherbin Fm, Kuznetsk Alatau, Russia; OLENIDAE; MCAM.
- Prohedinia** LERMONTOVA & CHERNYSHEVA in CHERNYSHEVA, 1950 [attenuata] *Paradoxides forchhammeri* Zone, E Siberia, Russia; POPYRIASPIDIDAE; MCAM.
- Proichangia** W. ZHANG & ZHU in W. ZHANG et al., 1980a [carinata] Jiumenchong Fm, Guizhou, China; ESTAINGIIDAE; LCAM [j.s.s. of Pararaia, fide JELL in BENGTSON et al., 1990].
- Proinouyia** QIU, 1980 [jiagouensis] Manto Fm, Jiangsu, China; INOUYIIDAE; MCAM.
- Prokootenia** LERMONTOVA, 1940 [rara] *Protolenus* Zone, Siberia, Russia; DORYPYGIDAE; LCAM.
- Prokops** CHLUPÁČ, 1971b [Phacops (Prokops) prokopi] Dvorce-Prokop Lst, Czech Republic; PHACOPIIDAE; LDEV.
- Proliaoningaspis** J. ZHANG & WANG, 1985 [ping-quanensis] Kushan Fm, Hubei, China; MONKASPIDIDAE; UCAM.
- Proliobole** ARCHINAL, 1991 [Phillipsia nitida HOLZAPFEL, 1889] Bad-Grund/Ober Harz (culla), Germany; PROETIDAE; MISS [j.s.s. of Panibole, fide YUAN & XIANG, 1998].
- Proliostracus** POULSEN, 1932 [strenuelliiformis] Ella Island Fm, E Greenland; PTYCHOPARIIDAE; LCAM.
- Proloydia** KOBAYASHI, 1960b [orientalis] *Dietyites* Zone, South Korea; KAOLISHANIIDAE; UCAM.
- Prolonchocephalus** PALMER in PALMER & PEEL, 1981 [spinosis] Cass Fjord Fm, NW Greenland; LONCHOCEPHALIDAE; UCAM.
- Promacropyge** LU in WANG, 1964 [carinata] Guizhou, China; CERATOPYGIDAE; UCAM.
- Promegalaspides** WESTERGÅRD, 1939 [kinnekullensis] Alum Sh, Sweden; ASAPHIDAE; UCAM.
- Promeitania** YUAN & ZHAO in YUAN et al., 1997 [subcylindrica] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Promenites** RAFINESQUE, 1832 [see NOTE 2].
- Promesus** LOCHMAN, 1964a [extremus] Deadwood Fm, Montana, USA; PTYCHASPIDIDAE; UCAM [j.s.s. of Macronoda, fide WESTROP, 1986a].
- Prometeoraspis** POULSEN, 1960 [canotensis] *Bolaspidella* Zone, Argentina; TRICREPICEPHALIDAE; MCAM.
- Prophysemataspis** LESPÉRANCE & DESBIENS, 1995 [Ecninuroides uncatus EVITT & TRIPP, 1977] Oranda Fm, Virginia, USA; ENCRINURIDAE; UORD.
- Proricephalus** WESTROP, 1986a [Keithiella scapane LONGACRE, 1970] Wilberns Fm, Texas, USA; PTYCHASPIDIDAE; UCAM.
- Proromma** LANE, 1971 [bregmops] Skelgill Beds, England; CHEIRURIDAE; LSIL.
- Prosaukia** ULRICH & RESSER, 1933 [Dikelocephalus misa HALL, 1863] Lone Rock Fm, Wisconsin, USA; SAUKIIDAE; UCAM.
- Proscharyia** PENG, 1990 [sinensis] Madaoyu Fm, Hunan, China; ?BATHYURIDAE; LORD.
- Proshantungaspis** QIU & LIN in QIU et al., 1983 [peculialis] Maochuang Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM [j.s.s. of Probowmaniella, fide W. ZHANG & JELL, 1987].
- Prosocephalus** CAMPBELL, 1977 [Huntonia (Prosocephalus) xylabion] Bois d'Arc Fm, Oklahoma, USA; DALMANITIDAE; LDEV.
- Prosopiscus** SALTER in SALTER & BLANFORD, 1865 [mimus] Himalaya; PROSOPISCIDAE; MORD.
- Prospectatrix** FORTEY, 1981 [Cyclopyge genatenta STUBBLEFIELD in STUBBLEFIELD & BULMAN, 1927] Shineton Sh Fm, England; CYCLOPYGIDAE; LORD.
- Prostrix** HOLLOWAY, 1994 [ammicola] Poley Cow Fm, Queensland, Australia; ENCRINURIDAE; LSIL.
- Prosymphysurus** POULSEN, 1927 [kochi] Cape Frederick VII Fm, NW Greenland; DOLICHOMETOPIDAE; MCAM.
- Protacanthina** GANDL, 1972 [velillae] Noguerras-Schichten, Sierra de Guadarrama, Guadalajara, Spain; ACASTIDAE; LDEV.
- Protagraulos** MATTHEW, 1895 [priscus] Hanford Brook Fm, New Brunswick; ELLIPSOCEPHALIDAE; LCAM.
- Protaitzehoia** YANG in YIN & LI, 1978 [yuepingensis] Baojing Fm, Guizhou, China; DAMES-ELLIDAE; MCAM.
- Protaldonaia** SDZUY, 1961 [Aldonaia (Protaldonaia) morenica] Llerena, Spain; ELLIPSOCEPHALIDAE; LCAM.
- Protapatokephalus** RAYMOND, 1937 [arctoistriatus] Gorge Fm, Vermont, USA; REMOPLEURIDAE; UCAM [j.s.s. of Richardsonella, fide RASETTI, 1944].
- Protarchaeogonus** SDZUY, 1955 [moroffi] Leimitz Schiefer, Bavaria, Germany; RORRINGTONIIDAE; LORD.
- Protamnites** WHITEHOUSE, 1939 [elegans] Georgina Lst, Queensland, Australia; ELVINIIDAE; UCAM.
- Proteuloma** SDZUY, 1958b [Conocephalites geinitzi BARRANDE, 1868] Leimitz Schiefer, Bavaria; EULOMIDAE; LORD.
- Protillacnus** RAYMOND, 1937 [marginatus] Rockledge Cgte, Vermont, USA; KINGSTONIIDAE; UCAM, [j.s.s. of Blountia, fide LOCHMAN, 1953a].
- Protobronteus** ŠNAJDR, 1960 [Eobronteus reedi SINCLAIR, 1949a] Trenton Lst, Quebec, Canada; STYGINIDAE; MORD.
- Protocalymene** ROSS, 1967 [mcallisteri] Antelope Valley Fm, California, USA; CALYMENIDAE; MORD.

- Protocerauroides** CHATTERTON & PERRY, 1984 [lanei] Whittaker Fm, Northwest Territories, Canada; CHEIRURIDAE; LSIL.
- Protochittidilla** QIU, 1980 [xeshanensis] Manto Fm, Jiangsu, China; AGRAULIDAE; MCAM.
- Protoctyphaspides** PŘIBYL & VANĚK, 1977 [Proctus comatus BARRANDE, 1872] Dvorce-Prokop Lst, Czech Republic; AULACOPLEURIDAE; LDEV.
- Protoencrinurella** LEGG, 1976 [inaitlandi] Emanuel Fm, Western Australia; PLIOMERIDAE; LORD.
- Protohedinia** ENDO, 1944 [distincta] Changhia Fm, Liaoning, China; PTYCHOPARIIDAE; MCAM.
- Protoineaia** BALDIS & BALDIS, 1995 [ancestor] Las Aguditas Fm, San Juan, Argentina; TRINUCLEIDAE; MORD.
- Protolcnella** QIAN & YAO in LU et al., 1974a [conica] Shihpai Fm, Sichuan; ELLIPSOCEPHALIDAE; LCAM.
- Protolenoides** POLETAEVA, 1960 [pectularis] Gomy Altay, S Siberia, Russia; ESTAINGIIDAE; LCAM.
- Protolennus** MATTHEW, 1892 [elegans] Hanford Brook Fm, New Brunswick; ELLIPSOCEPHALIDAE; LCAM.
- Protolloydolithus** WILLIAMS, 1948 [Trinucleus ramsayi HICKS, 1875] Llanvirm Series, Ramsay Is, Dyfed, Wales; TRINUCLEIDAE; MORD.
- Protopeltura** BRÖGGER, 1882 [Peltura praecursor WESTERGÅRD, 1909 by ICZN Opinion 499] Alum Sh, Norway; OLENIDAE; UCAM.
- Protophilipsinella** CHEN in LI et al., 1975 [typa] Pagoda Lst, Shaanxi, China; STYGINIDAE; MORD [j.s.s. of Paraphilipsinella, fide ZHOU & DEAN, 1986].
- Protopliomerella** HARRINGTON, 1957 [Protopliomerops contracta ROSS, 1951] Garden City Fm, Idaho, USA; PLIOMERIDAE; LORD.
- Protopliomerops** KOBAYASHI, 1934b [seisonensis] Tomkol Sh, South Korea; PLIOMERIDAE; LORD.
- Protopresbynileus** HINTZE, 1954 [Pseudonileus willdeni HINTZE, 1953] Fillmore Fm, Utah, USA; ASAPHIDAE; LORD [replacement name for Pseudonileus HINTZE].
- Proptychopyge** BALASHOVA, 1959b [Asaphus priscus LESNIKOVA in LESNIKOVA & WEBER, 1949] Volkhov Fm, St Petersburg region, Russia; ASAPHIDAE; MORD.
- Protoryctocara** ZHOU in ZHOU et al., 1977 [cylindrica] Hunan, China; ORYCTOCEPHALIDAE; MCAM [j.s.s. of Arthrocephalites, fide YUAN et al., 2001].
- Protoryctocephalus** ZHOU in LU et al., 1974b [wuxunensis] Guizhou, China; ORYCTOCEPHALIDAE; LCAM.
- Protoscutellum** ŠNAJDR, 1960 [Bronteus simulans BARRANDE, 1852] Liteň Fm, Czech Republic; STYGINIDAE; LSIL [j.s.s. of Planiscutellum, fide KACHA & SARIC, 1994].
- Protostygina** PRANTL & PŘIBYL, 1949c [Holo-metopus? (Illacnurus) bohémica BARRANDE, 1872] Šárka Fm, Czech Republic; STYGINIDAE; MORD.
- Protrachoparia** Q.Z ZHANG in QIU et al., 1983 [ovata] Hsuehuang Fm, Anhui, China; SOLENOPLEURIDAE; MCAM.
- Prototypus** WALCOTT, 1886 [Angelina hitchcocki WHITFIELD, 1884] Parker Sl, Vermont, USA; DORYPYGIDAE; LCAM.
- Prouktaspis** REPINA in KHOMENOVSKY & REPINA, 1965 [Paramicmacca insolens SUVOROVA, 1960] Ataban Horizon, Siberia, Russia; JAKUTIDAE; LCAM.
- Provedoria** LOCHMAN, 1948 [starquistae] Los Arroyos Fm, Sonora, Mexico; ALOKISTOCARIDAE; MCAM.
- Proxiniobe** HOEL, 1999 [Niobe flabellifera FORTEY, 1975] Valhallfona Fm, Spitsbergen; ASAPHIDAE; LORD.
- Prozacanthoides** RESSER, 1937b [Olenoides stissingensis DWIGHT, 1889] Stissing Fm, New York, USA; ZACANTHOIDIDAE; MCAM.
- Pruvostina** HUPÉ, 1953a [nicklesi] Amouslek Fm, Morocco; BIGOTINIDAE; LCAM.
- Pruvostinoides** HUPÉ, 1953a [angustilineatus] Issafen Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Psalaspis** RESSER, 1937b [Conocephalites patersoni HALL, 1863] Franconia Fm, Wisconsin, USA; IDAHOIIDAE; UCAM.
- Psalikilopsis** ROSS, 1953 [cuspidicauda] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Psalikilus** ROSS, 1951 [typicum] Garden City Fm, Idaho, USA; HYSTRICURIDAE; LORD.
- Pscemiaspis** ABDULLAEV in ABDULLAEV & KHALETSKAYA, 1970 [depressa] Pskem Ridge, Uzbekistan; HARPIDIDAE; UORD.
- Psephosthenaspis** WHITTINGTON, 1953 [Bathyrus strenuus BILLINGS, 1865] boulder at St Antoine de Tilly, Quebec, Canada; BATHYURIDAE; MORD.
- Pseudacrocephalaspina** ERGALIEV, 1980 [strobiliformis] Malokaratau Fm, Kazakhstan; ACROCEPHALITIDAE; UCAM.
- Pseudagnostina** PALMER, 1962 [contracta] Hamburg Lst, Nevada, USA; DIPLAGNOSTIDAE; UCAM [j.s.s. of Pseudagnostus, fide PENG & ROBISON, 2000].
- Pseudagnostus** JAEKEL, 1909 [Agnostus cyclopyge TULLBERG, 1880] Andrarum, Sweden; DIPLAGNOSTIDAE; UCAM.
- Pseudamphoton** ZHU & ZHANG in ZHU et al., 1979 [Amphoton (Pseudamphoton) latilimbata] Maojiagou Fm, Qinghai, China; DOLICHOMETOPIIDAE; MCAM.
- Pseudampyxina** JU in QIU et al., 1983 [triscgmenta] Huangnehan Fm, Zhejiang, China; RAPHIOPHORIDAE; UORD.

- Pseudanomocarina** CHERNYSHEVA in CHERNYSHEVA et al., 1956 [plana] River Amga, E Yakutia; PROASAPHISCIDAE; MCAM.
- Pseudaphelaspis** LU & ZHU, 1980 [langyashanensis] Langyashan Fm, Anhui, China; APHELASPIDIDAE; UCAM.
- Pseudatops** LAKE, 1940 [Conocoryphe reticulata WALCOTT, 1890b] West Castleton Fm, New York, USA; ATOPIDAE; LCAM.
- Pseudeugonocare** PENG, 1992 [camptodromum] Bitiao Fm, Hunan, China; APHELASPIDIDAE; UCAM.
- Pseudichangia** ZHU & ZHOU in LU et al., 1974a [damiaoensis] Jindingshan Fm, Guizhou, China; ESTANGIIDAE; LCAM [j.s.s. of Hsuaspis (=Estangia), fide JAGO et al., 1997].
- Pseudinouvia** W. ZHANG & YUAN in W. ZHANG et al., 1995 [transversa] Hsichuang Fm, Ningxia Hui, China; INOUIIDAE; MCAM.
- Pseudoacrocephalites** MAKSIMOVA, 1962 [ilgagensis] Ustkutsk Stage, River Ilgi, Siberian Platform, Russia; EULOMIDAE; LORD.
- Pseudoacrocephalites** ROZOVA, 1968 [preoco., replaced by Rosovaspis].
- Pseudoalokistocare** SUNDBERG, 1994 [swasii] Swasey Lst, Utah, USA; ALOKISTOCARIDAE; MCAM [j.s.s. of Alokistocare, fide SUNDBERG, 1999].
- Pseudoasaphinus** BALASHOVA, 1976 [Asaphus tecticaudatus STEINHARDT, 1874] Volchov Stage, Estonia; ASAPHIDAE; MORD.
- Pseudoasaphoides** BALASHOVA, 1976 [Pseudoasaphus tecticaudatus var. praecurrens SCHMIDT, 1904] Valaste Substage to Aseri Stage, Archangel region, Russia; ASAPHIDAE; MORD.
- Pseudoasaphus** SCHMIDT, 1901 [Ptychopyge globifrons EICHWALD, 1858] Vaginatenkalk, Kunda Stage, Tallinn, Estonia; ASAPHIDAE; MORD.
- Pseudoasiatella** REPINA in REPINA & ROMANENKO, 1978 [Asiatella (Pseudoasiatella) grata] Gorny Altay, S Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Pseudobarrandia** COURTESOLE & PILLET, 1976 [j.o.s. of Rokycania].
- Pseudobasilicoides** BALASHOVA, 1971 [elegans] Volkhovstroisk Fm, St Petersburg region, Russia; ASAPHIDAE; MORD.
- Pseudobasilicus** REED, 1931b [Ptychopyge lawrowi SCHMIDT, 1898] Tallinsk Horizon, NW Russian Platform; ASAPHIDAE; MORD.
- Pseudobasiliella** BALASHOVA, 1971 [Ptychopyge kuckersiana SCHMIDT, 1904] Kukersk Horizon, St Petersburg region, Russia; ASAPHIDAE; MORD.
- Pseudobasiloides** LIU, 1982 [huaqiaoensis] Qian-gongping Fm, Hunan, China; ASAPHIDAE; LORD.
- Pseudobergeronites** JAGO & WEBERS, 1992 [spinosa] Springer Peak Fm, Antarctica; DAMES-ELLIDAE; MCAM [j.s.s. of Palacadotes, fide W. ZHANG, pers. comm.].
- Pseudobirmanites** LI, 1978 [leiboensis] Linxing Fm, S Sichuan, China; RORRINGTONIIDAE; UORD [j.s.s. of Madygenia, fide ADRAIN, herein].
- Pseudoblackwelderia** ZHU & Q.Z. ZHANG in QIU et al., 1983 [lubrica] Changhia Fm, Anhui, China; DAMESELLIDAE; MCAM.
- Pseudobollandia** HAHN, HAHN & BRAUCKMANN, 1985 [Cummingella subtrigonalis KOBAYASHI & HAMADA, 1980b] Japan; PROETIDAE; PENN.
- Pseudocalvinella** QIU, 1984 [spinosa] Tangcun Fm, Anhui, China; SAUKIIDAE; UCAM.
- Pseudocalymene** PILLET, 1973b [superba] Shirgesht Fm, eastern Iran; LEIOSTEGIIDAE; MORD.
- Pseudocheirus** PRANTL & PRIBYL, 1947c [Cheirus beyrichi BARRANDE, 1846a] Kopanina Fm, Czech Republic; CHEIRURIDAE; USIL.
- Pseudoclelandia** ROSS, 1951 [cornupsittaca] Garden City Fm, Idaho, USA; UNCERTAIN; LORD.
- Pseudocobboldia** HUPÉ in BOUDDA et al., 1979 [Cobboldia ? pulchra HUPÉ, 1953a] Jbel Wawrmast Fm, Morocco; CALODISCIDAE; LCAM.
- Pseudocrevicephalus** ZHU & ZHANG in ZHU et al., 1979 [subconicus] Lower Olonbulag Fm, Qinghai, China; CREVICEPHALIDAE; MCAM.
- Pseudocryphaeus** PILLET, 1954 [Phacops michelini ROUAULT, 1851] Sierra de Guadarrama, Guadalajara, Spain; ACASTIDAE; LDEV.
- Pseudocybele** ROSS, 1951 [nasuta] Garden City Fm, Idaho, USA; PLIOMERIDAE; LORD.
- Pseudocyrtosymbale** YUAN & XIANG, 1998 [acut-angularis] Yonghsien Fm, Guangxi; PROETIDAE; MISS.
- Pseudodchenella** PILLET, 1973a [Calymene rowi GREEN, 1838] Hamilton Group, New York, USA; PROETIDAE; MDEV.
- Pseudodipharus** KOROBV, 1980 [privus] Egyngolskaya Fm, Mongolia; UNCERTAIN; LCAM [maybe redlichii juvenile; j.s.s. of Dipharus, fide JELL, 1997].
- Pseudodudu** HAHN, HAHN & MULLER, 1997 [keto] Erdbach Lst, Hessen, Germany; PROETIDAE; MISS.
- Pseudoeobronteus** MAKSIMOVA, 1979 [Microscutellum (Pseudoeobronteus) kotelnensis] Ishenitsynskaya Fm, S Siberia, Russia; STYGINIDAE; LDEV.
- Pseudoorbia** REPINA in REPINA et al., 1964 [minima] Kuznetsk Alatau, Russia; DINESIIDAE; LCAM.
- Pseudorhiopsis** KOROBV, 1989 [privus] Akbashinsky Fm, W Mongolia; DINESIIDAE; LCAM.
- Pseudoeteraspis** CHERNYSHEVA in DZEVANOV-SKIJ & CHERNYSHEVA, 1950 [angarensis] Angarsk Fm, Siberia, Russia; AGRAULIDAE; LCAM.
- Pseudofuchouia** T. ZHANG, 1981 [Fuchouia (Pseudofuchouia) mohershanensis] Mohe'ershan Fm, Xinjiang, China; DOLICHOMETOPIDAE;

- MCAM [j.s.s. of *Fuchouia*, fide W. ZHANG, 1985].
- Pseudogerastos** LÜTKE, 1990 [*Proetus vaningeni* FOERSTE, 1923] St Clair Lst, Arkansas, USA; PROETIDAE; LSIL.
- Pseudoglyptagnostus** LU in WANG, 1964 [*clavatus*] Zhejiang, China; DIPLAGNOSTIDAE; UCAM.
- Pseudogriphasaphus** PENG, 1992 [*hunanensis*] Shenjiawan Fm, Hunan, China; ASAPHIDAE; UCAM.
- Pseudogygites** KOBAYASHI, 1934a [*Asaphus canadensis* CHAPMAN, 1856] Whitby Fm, New York, USA; ASAPHIDAE; UORD.
- Pseudohysterolenus** HARRINGTON & LEANZA, 1957 [*infidus*] Huichaira Fm, Jujuy, Argentina; CERATOPYGIDAE; LORD.
- Pseudohystricurus** ROSS, 1951 [*obesus*] Garden City Fm, Idaho, USA; DIMEROPYGIDAE; LORD.
- Pseudojudomia** EGOROVA in GORYANSKY et al., 1964 [*egregia*] Aldanian, N Siberia, Russia; NEVADIIDAE; LCAM.
- Pseudokadyella** REPINA, 1966 [*plana*] Sanashtykol Horizon, Sayan Altay Fold Belt, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Pseudokainella** HARRINGTON, 1938 [*keideli*] Rupasca Sh, Argentina; REMOPLEURIDIDAE; LORD.
- Pseudokingstonia** PALMER, 1965 [*exotica*] Orr Fm, Utah, USA; CHEILOCEPHALIDAE; UCAM.
- Pseudokoldinella** TIMOKHIN, 1988 [*tropidifera*] Tochilninsk Fm, Siberia, Russia; PLETHOPELTIDAE; LORD.
- Pseudokoldinia** ROZOVA, 1968 [*gloriosa*] Mansi Horizon, NW Siberia, Russia; CHEILOCEPHALIDAE; UCAM.
- Pseudokoldinioidea** ENDO, 1944 [*granulosa*] Yenchou Fm, Guangdong, China; MISSISQUOIIDAE; UCAM.
- Pseudolancastria** LI in EGOROVA et al., 1963 [*longispina*] Tsanglangpu Fm, Hunan, China; ORYCTOCEPHALIDAE; LCAM [j.s.s. of *Lancastria*, fide W. ZHANG, 1997].
- Pseudoleiostegium** QIAN, 1986 [*striatum*] Fengshan Fm, Jilin, China; LEIOSTEGIIDAE; UCAM.
- Pseudolenus** HUPE, 1953a [*ourikaensis*] Jbel Wawmast Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Pseudolevinia** RUSCONI, 1951b [*macropyge*] Mendoza, Argentina; INDET; CAM.
- Pseudoliostracina** KOBAYASHI, 1938b [j.o.s. of *Lioparia*].
- Pseudoliostracus** EGOROVA in EGOROVA et al., 1982 [*torosus*] Ust-Maisk Fm, Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Pseudolisania** KOBAYASHI, 1935c [*Lisania?* *breviloba* WALCOTT, 1916b] Maryville Fm, Tennessee; CHEILOCEPHALIDAE; UCAM [j.s.s. of *Cheilocephalus*, fide PALMER, 1965].
- Pseudolorenzella** ROMANENKO in POLETAEVA & ROMANENKO, 1970 [*minuta*] Perekhod Fm, Siberia, Russia; LORENZELLIDAE; MCAM.
- Pseudomaladioides** LIU, 1982 [*hunanensis*] Fenghuang, Hunan, China; ELVINIIDAE; LORD.
- Pseudomapania** YUAN & YIN, 1998 [*cylindrica*] Chefu Fm, Guizhou, China; MAPANIIDAE; UCAM.
- Pseudomegalaspis** JAANUSSON, 1953 [*Megalaspis formosa* TÖRNQUIST, 1884] Folkeslunda Lst, Sweden; ASAPHIDAE; MORD.
- Pseudomera** HOLLIDAY, 1942 [*Amphion barrandei* BILLINGS, 1865] Newfoundland, Canada; PLIOMERIDAE; LORD.
- Pseudomexicella** SUNDBERG, 1994 [*hestia*] Dome Lst, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Pseudomonaspis** RICHTER & RICHTER, 1917 [j.o.s. of *Acidaspis*].
- Pseudonericella** EGOROVA in EGOROVA et al., 1982 [*pendula*] Ust-Maisk Fm, Siberia, Russia; PROASAPHISCIDAE; MCAM.
- Pseudonileus** KOBAYASHI, 1951b [j.o.s. of *Hemibarrandia*].
- Pseudonileus** HINTZE, 1953 [preocc., replaced by *Protopresbynileus*].
- Pseudoolenoides** HINTZE, 1953 [*dilectus*] Kanosh Fm, Utah, USA; BATHYURIDAE; MORD.
- Pseudopaokania** YIN in YIN & LI, 1978 [*kaiyangensis*] Mingxinsi Fm, Guizhou, China; YINITIDAE; LCAM.
- Pseudoperonopsis** HARRINGTON, 1938 [*Agnostus sallesi* MUNIER-CHALMAS & BERGERON in BERGERON, 1889] *Paradoxides* Beds, France; METAGNOSTIDAE; MCAM [j.s.s. of *Diplorrhina*, fide ROBISON, 1988].
- Pseudoptegirus** PRANTL & PŘIBYL, 1949c [*Cheirus hofmanni* PERNER, 1900] Klabava Fm, Czech Republic; ISOCOLIDAE; LMORD.
- Pseudophalacroma** POKROVSKAYA, 1958 [*crebra*] Dzhakhtarsky Horizon, Yakutia, E Siberia, Russia; PTYCHAGNOSTIDAE; MCAM.
- Pseudophilipsia** GEMMELLARO, 1892 [*Phillipsia sumatrensis* ROEMER, 1880] west coast, Sumatra; PROETIDAE; UPERM.
- Pseudoplesiagraulos** LU et al., 1988 [*maozhuangensis*] Maochuang Fm, Shandong, China; AGRAULIDAE; MCAM.
- Pseudopliomera** LU & QIAN in YIN & LI, 1978 [*bifurcata*] Guotan Fm, Guizhou, China; PILEKIIDAE; LORD.
- Pseudoproetus** POULSEN, 1934 [*Proetus* (*Pseudoproetus*) *regalis*] Cape Schuchert Fm, N Greenland; PROETIDAE; LSIL.
- Pseudoprotolenella** ZHU & LIN, 1983 [*subcylindrica*] Xidashan Fm, Xinjiang, China; ELLIPSOCEPHALIDAE; LCAM.
- Pseudoptychoparia** TING in LU, 1940 [j.o.s. of *Yunnanoccephalus*].
- Pseudoptychopyge** BALASHOVA, 1964 [*Ptychopyge limbata* ANGELIN, 1852] Öland, Sweden; ASAPHIDAE; LORD.

- Pseudoptyocephalus** LEGG, 1976 [spinus] Goldwyer Fm, Western Australia; ASAPHIDAE; MORD.
- Pseudoredlichia** W. ZHANG & LIN in YIN & LI, 1978 [hepingensis] Shuijingtuo Fm, Shanxi, China; REDLICHIIDAE; LCAM.
- Pseudoreserops** REPINA in KHOMENOVSKY & REPINA, 1965 [oculatus] Atdaban Horizon, Siberia, Russia; CHENGKOUASPIDIDAE; LCAM.
- Pseudorhaptagnostus** LERMONTOVA, 1951a [simplex] Boshche-Kulya, NE Kazakhstan; DIPLAGNOSTIDAE; UCAM [j.s.s. of Neagnostus, fide SHERGOLD et al., 1990].
- Pseudosalteria** RAYMOND, 1924 [laevis] Gorge Fm, Vermont, USA; UNCERTAIN; UCAM.
- Pseudosaratogia** WILSON, 1951 [magna] Gatesburg Fm, Pennsylvania, USA; DOKIMOCEPHALIDAE; UCAM.
- Pseudosarkia** SHERGOLD in LAURIE & SHERGOLD, 1996 [deceptrix] Emanuel Fm, Western Australia; UNCERTAIN; LORD.
- Pseudosaukia** KOBAYASHI, 1951 [preocc., replaced by Saukioides].
- Pseudosaukia** RASETTI, 1944 [Dikelocephalus sesostris BILLINGS, 1865] Levis Fm, Quebec, Canada; ELVINIIDAE; UCAM.
- Pseudosaukianda** HUPÉ, 1953a [lata] Issafen Fm, Morocco; SAUKIANDIDAE; LCAM.
- Pseudosilesiops** HAHN, HAHN & BRAUCKMANN, 1994 [Chlupacula (Pseudosilesiops) effenbergensis] Hangenberg Lst, Sauerland, Germany; PROETIDAE; MISS.
- Pseudosolenoparia** ZHOU in LU et al., 1974a [yangkongensis] Gaotai Fm, Guizhou, China; SOLENOPLURIDAE; MCAM.
- Pseudosolenopleura** SUN, 1935 [Solcnopleura kotoi KOBAYASHI, 1933a] Changshan Fm, Liaoning, China; WUANIIDAE; UCAM.
- Pseudospatulina** HAHN & HAHN, 1968 [kraemeri] Podidonien Schiefer, Sauerland, Germany; PROETIDAE; MISS.
- Pseudosphaerexochus** SCHMIDT, 1881 [Sphaerexochus hemcranium KUTORGA, 1854] Aseri Stage, Estonia; CHEIRURIDAE; MORD.
- Pseudostygina** ZHOU in ZHOU et al., 1982 [lepida] Chedao Fm, Gansu, China; STYGINIDAE; MORD.
- Pseudotaishania** QIAN, 1994 [yingziensis] Changshan Fm, Liaoning, China; SHIRAKIELLIDAE; UCAM.
- Pseudotaitzia** QIU in QIU et al., 1983 [insueta] Changhia Fm, Jiangsu, China; ORDOSIIDAE; MCAM.
- Pseudotalbotina** BENEDETTO, 1977 [ovalis] Santa Rosita Fm, Argentina; LONCHOCEPHALIDAE; UCAM.
- Pseudotrinosus** KOBAYASHI & HAMADA, 1971b [aenigma] Kroh, Malaysia; AULACOPLEURIDAE; LMDEV.
- Pseudotupolichas** PHLEGER, 1936 [Lichas ornatus ANGELIN, 1854] Höglint Beds, Gotland, Sweden; LICHIDAE; LSIL.
- Pseudowaribole** HAHN & HAHN, 1967 [Cyrtosymbole (Waribole) octofera RICHTER & RICHTER, 1926] Kallenhardt, Sauerland, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Pseudowentsuia** QIAN, 1994 [cylindrica] Changshan Fm, Liaoning, China; CHANGSHANIIDAE; UCAM.
- Pseudowutingaspis** LI, 1978 [longmenshanensis] Chiungchussu Fm, Sichuan, China; REDLICHIIDAE; LCAM.
- Pseudoyiliangella** YIN in YIN & LI, 1978 [Yiliangella (Pseudoyiliangella) xishuiensis] Mingxinsi Fm, Guizhou, China; GIGANTOPYGIDAE; LCAM.
- Pseudoyuepingia** QIAN, 1961 [modesta] Sandu Fm, Guizhou, China; CERATOPYGIDAE; UCAM.
- Pseudozacanthopsis** REPINA in KHALFIN, 1960 [tubensis] Kameshekhov Fm, E Sayan, Russia; ZACANTHOIDIDAE; LCAM.
- Psilacella** WHITTARD, 1952 [trirugata] Whitehouse Group, Scotland; CYCLOPYGIDAE; UORD.
- Psilaspis** RESSER & ENDO in KOBAYASHI, 1935c [manchuriensis] Mapan Fm, Liaoning, China; ANOMOCARELLIDAE; MCAM [j.s.s. of Anomocarella, fide W. ZHANG & JELL, 1987].
- Psilocara** FORTEY, 1974b [comma] Valhallfona Fm, Spitsbergen; OLENIDAE; LORD.
- Psilocephalina** HSU in HSU & MA, 1948 [lubrica] Ichang Fm, Hubei, China; ASAPHIDAE; LORD.
- Psilocephalina** STUBBLEFIELD, 1951a [replacement name for Psilocephalus] [preocc., replaced by Psilocephalinella].
- Psilocephalinella** KOBAYASHI, 1951 [Psilocephalus innotatus SALTER, 1866a] Tremadoc Series, Wales; NILEIDAE; LORD [s.o.s. of Borthaspis].
- Psilocephalops** LU in LU & ZHANG, 1974 [breviceps] Yingpan Fm, Sichuan, China; ASAPHIDAE; LORD.
- Psilocephalus** SALTER, 1866a [preocc., replaced by Psilocephalina STUBBLEFIELD, 1951a also preocc., replaced by Psilocephalinella].
- Psilostracus** W. ZHANG, 1963 [obsoletus] Maochuang Fm, Shandong, China; PTYCHOPARIIDAE; MCAM.
- Psiloyuepingia** QIAN & QIU in QIU et al., 1983 [cylindrica] Qingkang Fm, Anhui, China; CERATOPYGIDAE; UCAM [j.s.s. of Tamdaspis, fide PENG & CHEN, 1990].
- Psychopyge** TERMIER & TERMIER, 1950 [elegans] Teferguenit Fm, Algeria; ACASPIDAE; LDEV.
- Pfarmigania** RAYMOND, 1928 [Bathyriscus rossensis WALCOTT, 1917] Cathedral Fm, British Columbia, Canada; DOLICHOMETOPIDAE; MCAM.
- Pfarmiganoides** RASETTI, 1951 [bowensis] Cathedral Fm, British Columbia, Canada; ZACANTHOIDIDAE; MCAM.

- Pterocephalia** ROEMER, 1849 [sanctisabae] Wilberns Fm, Texas, USA; PTEROCEPHALIIDAE; UCAM.
- Pterocephalina** RESSER, 1938c [Dikellocephalus (Pterocephalus) bilobatus HALL & WHITFIELD, 1877] Secret Canyon Fm, Nevada, USA; PTEROCEPHALIIDAE; UCAM.
- Pterocephalops** RASETTI, 1944 [acrophthalma] Levis Fm, Quebec, Canada; DIKELLOCEPHALIIDAE; UCAM.
- Pterocephalops** LIN & ZHANG in ZHU et al., 1979 [preocc., replaced by Pterocephalopsinus].
- Pterocephalopsinus** JELL, nov. [granulus] Nanmenxia Group, Qinghai, China; PTEROCEPHALIIDAE; UCAM [replacement name for Pterocephalops LIN & ZHANG].
- Pterocephalus** HALL & WHITFIELD, 1877 [invalid spelling emendation of Pterocephalia].
- Pterochuangia** LU & QIAN, 1983a [nobilis] Changshan Fm, Liaoning, China; LEIOSTEGIIDAE; UCAM [j.s.s. of Chuangia, fide PENG, 1992].
- Pterocoryphe** FEIST, 1976 [languedociana] La Serre Fm, Cabrieres, France; TROPIDOCORYPHIDAE; UDEV.
- Pterolichas** GÜRICH, 1901 [j.o.s. of Arctinurus].
- Pteroparia** RICHTER, 1913 [columbella] Adorf Lst (*Manticoceras*-Stufe), Oberscheld, Rhenish Massif, Germany; TROPIDOCORYPHIDAE; UDEV.
- Pteroredlichia** W. ZHANG, 1966 [Redlichia chinensis var. lui] Longwangmiao Fm, Henan, China; REDLICHIIDAE; LCAM.
- Pterygometopidella** WEDEKIND, 1911 [suppressed in favour of Eophacops].
- Pterygometopus** SCHMIDT, 1881 [Calymene sclerops DALMAN, 1827] Holen Lst, Sweden; PTERYGOMETOPIIDAE; MORD.
- Ptilillaenus** LU, 1962 [lojopingensis] Lojoping Fm, Hubei, China; ILLAENIDAE; LSIL.
- Ptychagnostus** JAEKEL, 1909 [Agnostus punctuosus ANGELIN, 1851] Andrarum Lst, Sweden; PTYCHAGNOSTIDAE; MCAM.
- Ptychaspis** HALL, 1863 [Dikellocephalus miniscaensis OWEN, 1852] Lone Rock Fm, Minnesota, USA; PTYCHASPIDIDAE; UCAM.
- Ptychocheilus** NOVÁK, 1884 [preocc., replaced by Bohemopyge].
- Ptychometopus** SCHMIDT, 1894 [Calymene (Ptychometopus) volborthi] Baltic region, Russia; PHAROSTOMATIDAE; LORD.
- Ptychoparella** POULSEN, 1927 [breviceauda] Cape Wood Fm, NW Greenland; PTYCHOPARIIDAE; MCAM.
- Ptychoparia** HAWLE & CORDA, 1847 [Conocephalus striatus EMMRICH, 1839] Jince Fm, Czech Republic; PTYCHOPARIIDAE; MCAM.
- Ptychoparioides** RUZICKA, 1940 [nobilis] Jince Fm, Czech Republic; PTYCHOPARIIDAE; MCAM [j.s.s. of Ptychoparia, fide ŠNAJDR, 1958a].
- Ptychoparopsis** HUPE, 1953a [jissafenensis] Issafen Fm, Morocco; ELLIPSOCEPHALIIDAE; LCAM [j.s.s. of Berabechia, fide GEYER, 1990].
- Ptychopleura** KOBAYASHI, 1936a [preocc. replaced by Ptychopleurites].
- Ptychopleurites** KOBAYASHI, 1936b [Ptychopleura brevifrons KOBAYASHI, 1936a] Jones Ridge Lst, E Alaska, USA; PAGODIIDAE; UCAM [replacement name for Ptychopleura].
- Ptychopyge** ANGELIN, 1854 [Asaphus angustifrons DALMAN, 1827] Östergötland, Sweden; ASAPHIDAE; LORD.
- Ptyctolorenzella** LIN & WU in W. ZHANG et al., 1980b [rugosa] Hsichuang Fm, Shanxi, China; LORENZELLIDAE; MCAM.
- Ptyocephalus** WHITTINGTON, 1948 [vigilans] Pogonip Group, Nevada, USA; ASAPHIDAE; LORD.
- Puanella** LU & ZHOU, 1990 [Lorrettina (Puanella) intermedia] Maotian Fm, Guizhou, China; DOKIMOCEPHALIIDAE; UCAM.
- Puanocephalus** LU & ZHOU, 1990 [orientalis] Maotian Fm, Guizhou, China; SHUMARDIIDAE; UCAM.
- Pudoproetus** HESSLER, 1963 [Proetus fernglenensis WELLER, 1909] Fern Glen Fm, Missouri, USA; PROETIDAE; MISS.
- Pugilator** NIKOLAISEN, 1991 [Robergia yukonensis CHURKIN in LENZ & CHURKIN, 1966] Road River Fm, Northwest Territories, Canada; REMOPLEURIDIDAE; UORD.
- Pugionicauda** WESTROP, 1986b [paradoxa] Bison Ck Fm, Alberta, Canada; KINGSTONIIDAE; UCAM.
- Pulchricapitus** KURTZ, 1975 [davis] Davis Fm, Missouri, USA; PTEROCEPHALIIDAE; UCAM.
- Pulcherproetus** LÜTKE, 1990 [Proetus pulcher NIESZKOWSKI, 1857] glacial erratic boulders, N Germany; PROETIDAE; USIL.
- Pulvillaspis** E. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [rotunda] Gorny Altay, S Siberia, Russia; DORYPYGIDAE; LCAM.
- Pumilina** REPINA, 1960 [pandica] Kizirsk Fm, E Sayan, Russia; ALDONAIIDAE; LCAM.
- Punctaspis** SHAW in CLARK & SHAW, 1968 [crassimargo] Gorge Fm, Vermont, USA; UNCERTAIN; UCAM.
- Punctularia** RAYMOND, 1937 [ornata] Gorge Fm, Vermont, USA; PAGODIIDAE; UCAM [j.s.s. of Ptychopleurites, fide LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989].
- Punillaspis** BALDIS & LONGBUCCO, 1977 [Metacryphaeus argentina BALDIS, 1967] Chigua Fm, San Juan, Argentina; CALMONIIDAE; MDEV.
- Punka** FORTEY, 1979 [Bathyrellus nitidus BILINGS, 1865] Shallow Bay Fm, Newfoundland, Canada; BATHYURIDAE; MORD.
- Pusillabole** ALBERTI, 1973 [Asaphus pusillus MÜNSTER, 1840] to VI, Frankenwald, Germany; PROETIDAE; MISS.

- Pyraustocranium** ROSS, 1951 [orbatum] Garden City Fm, Idaho, USA; TELEPHINIDAE?; LORD.
- Pyrimetopus** PRIBYL & VANĚK, 1980 [Orometopus pyriformis HARRINGTON, 1938] Coquena Sh, Argentina; ALSATASPIDIDAE; LORD.
- Pytine** FORTEY, 1975 [gracia] Valhallfona Fm, Spitsbergen; RAPHIOPHORIDAE; LORD.
- Pyttstrigis** HOHENSEE in HOHENSEE & STITT, 1989 [dicilia] Collier Sh, Arkansas, USA; IDAHOIIDAE; UCAM.
- Qiandongaspis** YUAN & YIN, 1998 [qiandongensis] Chefu Fm, Guizhou, China; RHYSSOMETOPIDAE; UCAM.
- Qiannagraulos** YUAN & ZHAO in YUAN et al., 1997 [orientalis] Kaili Fm, Guizhou, China; AGRAULIDAE; MCAM.
- Qiaodiella** ZHANG, LIN & ZHOU in W. ZHANG et al., 1980a [qiaodiensis] Jiumenchong Fm, Guizhou, China; MAYIELLIDAE; LCAM.
- Qiaotingaspis** W. ZHANG, 1966 [quadratus] Yanwangbian Fm, Sichuan, China; MAYIELLIDAE; LCAM.
- Qiaotonaspis** GUO & AN, 1982 [qiaotonensis] Manto Fm, Liaoning, China; PTYCHOPARIIDAE; MCAM.
- Qijiangia** XIANG & JI, 1988 [szechuanensis] Linxiang Fm, Sichuan, China; UNCERTAIN; UORD.
- Qilianaspis** LIN & ZHANG in ZHU et al., 1979 [qinghaiensis] Suyougu, Minle Co, Qinghai, China; PTEROCEPHALIDAE; UCAM.
- Qilianshania** ZHU, 1960a [convexa] Qinghai, China; CATILLICEPHALIDAE; UCAM.
- Qingkouia** ZHANG, LIN & ZHOU in W. ZHANG et al., 1980a [zhangyangouensis] Niutitang Fm, Guizhou, China; YINITIDAE; LCAM.
- Qingshuiheella** LU & QIAN, 1983a [preocc., replaced by Paraqingshuiheella].
- Qingshuiheia** NAN, 1976 [unita] Maochuang Fm, Inner Mongolia, China; PTYCHOPARIIDAE; LCAM.
- Qingshuihella** J. ZHANG, 1980 [nanshanensis] Changshan Fm, Inner Mongolia, China; ELVINIIDAE; UCAM.
- Qingzhenaspis** YIN in YIN & LI, 1978 [elongatus] Mingxinsi Fm, Guizhou, China; ZACANTHOIDIDAE; LCAM.
- Qinlingia** YANG in YANG et al., 1991 [preocc., replaced by Qinlingialingia].
- Qinlingialingia** JELL nov. [henanensis] Xijiadian Fm, Henan, China; ANOMOCARIDAE; MCAM [replacement name for Qinlingia].
- Quadragnostus** HOWELL, 1935a [solus] St Albans Sh, Vermont, USA; METAGNOSTIDAE; MCAM [j.s.s. of Diplorrhina, fide ROBISON, 1988].
- Quadragnostus** ZHU, 1959 [subquadratus] Kushan Fm, Liaoning, China; AGNOSTIDAE; UCAM.
- Quadratapyge** ZHOU in ZHOU et al., 1977 [Microparia (Quadratapyge) latilimbata] Modaoxi Fm, Hunan, China; CYCLOPYGIDAE; UORD.
- Quadraticephalus** SUN, 1924 [walcotti] Changshan Fm, Shandong, China; PTYCHASPIDIDAE; UCAM [j.s.s. of Changia, fide RESSER, 1942a].
- Quadratillaenus** WU, 1987 [twoensis] Yanglugou Fm, Gansu, China; ILLAENIDAE; UORD.
- Quadratispina** GANDL, 1972 [Neocalmonia (Quadratispina) quadratispinosa] Bandera Fm, NE Spain; ACASTIDAE; UDEV.
- Quadratoproetus** ALBERTI, 1967b [Proetus quadratus MAURER, 1885] Waldgirmes, Rhenish Massif, Germany; TROPIDOCORYPHIDAE; MDEV.
- Quadrops** MORZADEC, 2001 [flexuosa] El Oftal Fm, Morocco; ACASTIDAE; LDEV.
- Quandraspis** YANG in YANG et al., 1991 [shengwanensis] Xijiadian Fm, Henan, China; LISANIIDAE; MCAM.
- Quebecaspis** RASETTI, 1944 [breviceps] Levis Fm, Quebec, Canada; LONCHOCEPHALIDAE; UCAM.
- Querandinia** RUSCONI, 1954a [conicephala] Mendoza, Argentina; INDET; CAM.
- Quinquecosta** TRIPP, 1965 [williamsi] Doularg Fm, Scotland; PLIOMERIDAE; MORD.
- Quitacetra** ÖPIK, 1967 [arenata] Steamboat Sst, Queensland, Australia; MAPANIIDAE; MCAM.
- Quitania** ÖPIK, 1967 [uncata] Quita Fm, Queensland, Australia; MAPANIIDAE; MCAM.
- Quyuania** XIA, 1978 [ziguiensis] Pagoda Fm, Hubei, China; STYGINIDAE; UORD.
- Raashella** LOCHMAN, 1938a [ornata] Riley Fm, Texas, USA; LONCHOCEPHALIDAE; UCAM [j.s.s. of Glaphyraspis, fide PALMER, 1965].
- Raashellina** ROZOVA, 1963 [paula] Entsyysky Horizon, NW Siberia, Russia; LONCHOCEPHALIDAE; UCAM.
- Rabienops** STRUVE, 1989 [evae] Hangenbang-Schichten, Sauerland, Germany; PHACOPIIDAE; UDEV.
- Rabuloproetus** ŠNAJDR, 1977 [borekensis] Kopanina Fm, Czech Republic; TROPIDOCORYPHIDAE; USIL.
- Rabutina** HAJRULLINA, 1973 [tumida] Mayaian, Turkestan; DORYPYGIDAE; MCAM.
- Radiaspis** RICHTER & RICHTER, 1917 [Arges radiatus GOLDFUSS, 1843] Ahdorf Beds, Eifel, Germany; ODONTOPLEURIDAE; MDEV.
- Radiolichas** REED, 1923 [Lichas aranea HOLZAPFEL, 1895] Mussenkalk Lst, Germany; LICHIDAE; MDEV.
- Radiopyge** FARSAN, 1981 [Neocalmonia (Radiopyge) heratensis] Afghanistan; ACASTIDAE; MDEV.
- Radioscutellum** ŠNAJDR, 1972 [Bronteus (Holomeris) intermixtus HAWLE & CORDA, 1847] Koneprusy Lst, Czech Republic; STYGINIDAE; LDEV.
- Radiurus** RAMSKÖLD, 1983 [phlogoideus] Lower Visby Marl, Gotland, Sweden; CHEIRURIDAE; LSIL.

- Radnor** OWENS & THOMAS, 1975 [syphctodes] Dolyhir Lst, Wales; BRACHYMETOPIIDAE; LSIL.
- Raduginella** EGOROVA in KHALFIN, 1960 [pura] Elandinsk Fm, Gorny Altay, Russia; PROASAPHISCIDAE; MCAM.
- Racrinproetus** BASSE, 1996 [raerincensis] Bräkerkopf Fm, Germany; PROETIDAE; MDEV.
- Rampartaspis** LOCH in LOCH et al., 1993 [dissimulosulcus] Survey Peak Fm, Alberta, Canada; OLENIDAE; LORD [j.s.s. of Leptoplastides, fide ADRAIN, herein].
- Rananasus** CULLISON, 1944 [conicus] Rich Mountain Fm, Missouri, USA; BATHYURIDAE; LORD.
- Randaynia** BOYCE, 1989 [saundersi] Boat Harbour Fm, Newfoundland, Canada; BATHYURIDAE; LORD.
- Randicephalus** IVSHIN, 1962 [macrophthalmus] Seletinsky Horizon, Kazakhstan; DIKELOCEPHALIDAE; UCAM.
- Ranunculoproetus** ŠNAJDR, 1977 [Proetus heteroclytus] BARRANDE, 1852] Lochkov Fm, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Raphioampyx** BALDIS & BALDIS, 1995 [argentinus] Las Aguaditas Fm, San Juan, Argentina; RAPHIOPHORIDAE; UORD.
- Raphiophorus** ANGELIN, 1854 [setirostris] Black Fjälka Sh, Dalame, Sweden; RAPHIOPHORIDAE; UORD.
- Raracephalus** REPINA in REPINA et al., 1964 [typographical error for Aracocephalus].
- Raragnostus** HAJRULLINA in REPINA et al., 1975 [mirus] *Pseudanomocarina* Zone, Turkestan; AGNOSTIDAE; MCAM.
- Rasettaspis** IVSHIN, 1962 [francoi] Seletinsky Horizon, Kazakhstan; ILLAENURIDAE; UCAM.
- Rasettia** LOCHMAN, 1953a [Bathyurus capax BILLINGS, 1860b] Levis Fm, Quebec, Canada; ILLAENURIDAE; UCAM [replacement name for Platycolpus].
- Ratinkaspis** PŘIBYL & VANĚK, 1977 [Cheirus bifurcatus BARRANDE, 1852] Liteň Fm, Czech Republic; CHEIRURIDAE; LSIL.
- Rawlinsella** SHAW, 1956a [Acrocephalites? glomeratus WALCOTT, 1916a] Buck Spring Fm, Wyoming, USA; BOLASPIDIDAE; MCAM.
- Rawops** HUPÉ, 1953a [dubius] Amouslek Fm, Morocco; SAUKIANDIDAE; LCAM [j.s.s. of Perretor, fide W. ZHANG et al., 1997].
- Raymondarges** PHLEGER, 1937b [reporijensis] Liteň Fm, Czech Republic; LICHIDAE; LSIL [j.s.s. of Dieranopeltis, fide TRIPP, 1957].
- Raymondaspis** PŘIBYL in PRANTL & PŘIBYL, 1949b [Holometopus limbatus ANGELIN, 1854] Scania, Sweden; STYGINIDAE; MORD.
- Raymondella** REED, 1935 [Ampyx? macconochiei ETHERIDGE & NICHOLSON in NICHOLSON & ETHERIDGE, 1880] Balclatchie Fm, Scotland; RAPHIOPHORIDAE; UORD.
- Raymondia** KOBAYASHI, 1935c [misspelling of Raymondina].
- Raymondina** CLARK, 1924 [respecta] Levis Fm, Quebec, Canada; RAYMONDINIDAE; UCAM.
- Raymondites** SINCLAIR, 1944 [Bathyurus ingalli RAYMOND, 1913b] Verulam Fm, Ontario, Canada; BATHYURIDAE; UORD.
- Reacalymene** SHIRLEY, 1936 [limba] Glyn Gower Slst Fm, Wales; CALYMENIDAE; UORD.
- Rcaganaspis** STITT, 1977 [parva] Reagan Sst, Oklahoma, USA; PTEROCEPHALIIDAE; UCAM [j.s.s. of Pulchricapitus, fide WESTROP, 1986b].
- Realaspis** SDZUY, 1961 [strenoides] Los Cortijos, Spain; SAUKIANDIDAE; LCAM.
- Rectifrontinella** DRYGANT & KONSTANTYNENKO, 2001 [olhac] Ukraine; ANOMOCARIDAE; CAM.
- Redlichaspis** KOBAYASHI, 1935e [Redlichia finalis WALCOTT, 1905] Changhia Fm, Shandong, China; LISANIIDAE; MCAM.
- Redlichia** COSSMANN, 1902 [Hoeferia noetlingi REDLICH, 1899] *Neobolus* Sh, Salt Range, Pakistan; REDLICHIIDAE; LCAM [replacement name for Hoeferia].
- Redlichina** LERMONTOVA, 1940 [vologdini] Atdabanian, Sayan Altay, Russia; REDLICHINIDAE; LCAM.
- Redlichops** RICHTER & RICHTER, 1941b [blanchenhomi] Chirbet el-Burj, Jordan; REDLICHIDAE; LCAM.
- Reedaspis** PRANTL & PŘIBYL, 1949c [proposed as an unnecessary replacement name for, and hence j.o.s. of Raymondella, see SINCLAIR, 1949b].
- Reedia** WEDEKIND, 1911 [preocc., replaced by Reedops].
- Reediella** OSMÓLSKA, 1970 [reedi] Carboniferous Lst, England; PROETIDAE; MISS.
- Reedocalymene** KOBAYASHI, 1951b [Calymene unicornis REED, 1917] Shidian Fm, Yunnan, China; CALYMENIDAE; MORD.
- Reedolithus** BANCROFT, 1929 [Trinucleus subradiatus REED, 1903] Balclatchie Fm, Scotland; TRINUCLEIDAE; UORD.
- Reedops** RICHTER & RICHTER, 1925 [Phacops bronni BARRANDE, 1846a] Dvorce-Prokop Lst, Czech Republic; PHACOPIDAE; LDEV [replacement name for Reedia].
- Reedus** DALMATOV, 1975 [lermontovae] Ognensk Fm, N Prebaikal, Russia; PTYCHOPARIIDAE; MCAM.
- Regina** EGOROVA, 1967 [opipara] Khara-tass Fm, N Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Rcgius** EGOROVA, 1970 [hastatus] Amgaian, N Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Reillopleura** COOPER et al., 1996 [braddocki] Spurs Fm, Antarctica; SOLENOPLEURIDAE; UCAM.
- Rejkocephalus** KORDULE, 1990 [Paradoxides rotundatus BARRANDE, 1846a] Jince Fm, Czech Republic; PARADOXIDIDAE; MCAM.

- [j.s.s. of *Hydrocephalus*, fide DEAN & RUSHTON, 1997].
- Remacutanger** PŘIBYL & VANĚK, 1978 [Eremiproetus sencx ALBERTI, 1967a] Kopanina Fm, Czech Republic; TROPIDOCORYPHIDAE; USIL.
- Remipyga** WHITTINGTON, 1954c [glabra] Baffin Island, Nunavut, Canada; CHEIRURIDAE; UORD [j.s.s. of *Ceraurinus*, fide LUDVIGSEN, 1977].
- Remizites** IVSHIN & ERGALIEV in ERGALIEV, 1983 [anni] Zolotokhitatsk Horizon, Kuznetsk Alatau, Russia; OLENIDAE; UCAM.
- Remopleurella** DEAN, 1963 [Remopleurides burmeisteri BANCROFT, 1949] *Omnia gracilis* Biozone, Onny River, England; REMOPLEURIDIDAE; UORD.
- Remopleurides** PORTLOCK, 1843 [colbii] Killey Bridge Fm, N Ireland; REMOPLEURIDIDAE; UORD.
- Remopleuridiella** ROSS, 1951 [caudalimbata] Garden City Fm, Idaho, USA; REMOPLEURIDIDAE; LORD.
- Remopleuridioides** HARRINGTON & LEANZA, 1957 [preandinus] San Juan Lst, San Juan, Argentina; NILEIDAE; LORD [j.s.s. of *Nileus*, fide ADRAIN, herein].
- Reneunia** W. ZHANG & YUAN in W. ZHANG et al., 1995 [trinodosa] Hsichuang Fm, Henan, China; WUANIIDAE; MCAM.
- Renhuaiia** YIN in YIN & LI, 1978 [longispina] Guniutan Fm, Guizhou, China; TAIHUNG-SHANIIDAE; LORD.
- Renniella** COOPER, 1982 [rossouwi] Bokkeveld Group, South Africa; CALMONIIDAE; LDEV.
- Repinaella** GEYER, 1996 [Fallotaspis sibirica REPINA in KHOMENTOVSKY & REPINA, 1965] Pestrostsvet Fm, Siberia, Russia; FALLOTASPIDIDAE; LCAM.
- Repinaspis** KOROBOV, 1989 [ladac] Akbashinsky Fm, W Mongolia; ALDONAIIDAE; LCAM.
- Reraspis** ÖPIK, 1937 [Cyrtometopus plautini SCHMIDT, 1881] Aluoja Stage, Estonia; CHEIRURIDAE; MORD.
- Resimopsis** REPINA, 1958 [marinica] Bazaikh Horizon, Kuznetsk Alatau, Russia; PALAE-OLENIDAE; LCAM.
- Resseraspis** RASETTI, 1945c [carinata] Levis Fm, Quebec, Canada; ILLAENURIDAE; UCAM.
- Resseria** HOWELL, 1945 [Pseudosalteria welleri RAYMOND, 1924] Upper Kittatinny Lst, New Jersey, USA; UNCERTAIN; UCAM.
- Resserops** RICHTER & RICHTER, 1940 [resserianus] Alanis Sh, Spain; SAUKIANDIDAE; LCAM.
- Retamaspis** HAMMANN, 1972 [melendzi] Rio Sh, Spain; DALMANITIDAE; MORD.
- Reticuloharpes** VANĚK, 1963 [Harpes reticulatus HAWLÉ & CORDA, 1847] Suchomasty Lst, Czech Republic; HARPETIDAE; MDEV [j.s.s. of *Harpes*, fide EBACH & McNAMARA, 2002].
- Retusites** RAFINESQUE, 1832 [levis] [see NOTE 2].
- Reubenella** LOCHMAN, 1966 [rex] Deadwood Fm, Montana, USA; LEIOSTEGIIDAE; LORD.
- Reuscholithus** BANCROFT, 1929 [reuschi] Smeathen Wood Fm, England; TRINUCLEIDAE; UORD.
- Reussia** MAKSIMOVA, 1972 [preocc., replaced by Reussiana].
- Reussiana** ŠNAJDR, 1987a [Dalmanites reussi BARRANDE, 1846a] Dvorce-Prokop Lst, Czech Republic; DALMANITIDAE; LDEV [replacement name for Reussia].
- Rhadinopleura** HARRINGTON & LEANZA, 1957 [eurycephala] Volcancito Fm, La Rioja, Argentina; ALSATASPIDIDAE; LORD.
- Rhamphopyge** KOBAYASHI, 1955b [altipolum] McKay Group, British Columbia, Canada; MISSISQUOIIDAE; LORD [j.s.s. of *Missisquoia* (=Parakoldinioidia), fide DEAN, 1977].
- Rhaptagnostus** WHITEHOUSE, 1936 [Agnostus cyclopygeformis SUN, 1924] Lower Kaolishan Lst, Shandong, China; DIPLAGNOSTIDAE; UCAM [j.s.s. of *Pseudagnostus*, fide PENG & ROBISON, 2000].
- Rhax** LANE & THOMAS, 1978 [preocc., replaced by Rhaxros].
- Rhaxeros** LANE & THOMAS, 1980 [Rhax pollinatrix LANE & THOMAS, 1978] Quinton Fm, Queensland, Australia; STYGINIDAE; LSIL [replacement name for Rhax].
- Rheicops** BASSE, 1998 [grevensteinensis] Mcinkenbracht Fm, Sauerland, Germany; ACASTIDAE; MDEV.
- Rhenocynproetus** BASSE, 2002 [Devonoproetus doernbergensis BASSE, 1996] Hobraecke Fm, Sauerland, Germany; PROETIDAE; MDEV.
- Rhenogriffides** HAHN, HAHN & BRAUCKMANN, 1987 [Asaphus dalmani EMMRICH, 1839] Erdbach Lst, Rhenish Massif, Germany; PROETIDAE; MISS.
- Rhenops** RICHTER & RICHTER, 1943 [Cryphaeus anserinus RICHTER & RICHTER in RICHTER, 1916] Stadtfeld-Schichten, Nieder-Stadtfeld, Eifel Germany; ACASTIDAE; LDEV.
- Rhinaspis** REMELÉ, 1885 [erratica] glacial eratie, glauconitic Vaginatenkalk, Eberswalde, Germany; ASAPIIIDAE?; MORD [preocc., not replaced; s.s.s. of *Megistaspis*, fide MOORE, 1959].
- Rhinoferus** BALASHOVA, 1976 [Asaphus hyorrhinus LEUCHTENBERG, 1843] Volkhov or Obuchov Fm, St Petersburg region, Russia; ASAPHIDAE; MORD.
- Rhinophacops** KANEKO, 1990 [Echinophacops schizoloma ZHOU, 1983] Zhusileng Fm, Inner Mongolia, China; PHACOPIDAE; LDEV.
- Rhinoreedops** MAKSIMOVA, 1978a [Phacops? rhinoceras MAKSIMOVA, 1968] central Kazakhstan; PHACOPIDAE; MDEV.
- Rhinotarion** WHITTINGTON & CAMPBELL, 1967 [sentosum] Hardwood Mountain Fm, Maine, USA; AULACOPLEURIDAE; LUSIL [j.s.s. of

- Harpidella, fide ADRAIN & CHATTERTON, 1955].
- Rhodonaspis** WHITEHOUSE, 1939 [longula] Georgina Lst, Queensland, Australia; OLENIDAE; UCAM.
- Rhodope** ANGELIN, 1854 [preocc., replaced by Panderia].
- Rhodotypiscus** ÖPIK, 1979 [nasonis] Currant Bush Lst, Queensland, Australia; DORYAGNOSTIDAE; MCAM [j.s.s. of Doryagnostus, fide ROBISON, 1988].
- Rhombampyx** FORTEY, 1975 [rhombos] Valhallfona Fm, Spitsbergen; RAPHIOPHORIDAE; MORD.
- Rhyssometopus** ÖPIK, 1967 [rhyssometopus] Mungerebar Lst, Queensland, Australia; RHYSSOMETOPIDAE; MUCAM.
- Richardsonaspis** GUO & DUAN in GUO et al., 1982 [jilinensis] Yehli Fm, Jilin, China; REMOPLURIDIDAE; LORD.
- Richardsonella** RAYMOND, 1924 [Dikelocephalus megalops BILLINGS, 1860b] Levis Fm, Quebec, Canada; REMOPLURIDIDAE; UCAM.
- Richterarges** PHLEGER, 1936 [Lichas (Dicranognmus) ptyonurus HALL & CLARKE, 1888] Cobleskill Lst, New York, USA; LICHIDAE; USIL.
- Richteraspis** ALBERTI, 1969 [Proctus (Euproctus) bivallatus RICHTER, 1913] Adorf Lst (*Manticoceras*-Stufe), Obersheld, Rhcnish Massif, Germany; TROPIDOCORYPHIDAE; UDEV.
- Richterella** HESSLER, 1965 [snakedenensis] Chouteau Lst, Missouri, USA; PROETIDAE; MISS.
- Richterops** HUPÉ, 1953a [falloti] Amouslek Fm, Morocco; SAUKIANDIDAE; LCAM.
- Rimouskia** RESSER, 1938b [typica] Levis Fm, Quebec, Canada; SOLENOPLURIDAE; LCAM.
- Rina** POLETAeva in ROZOVA, 1964 [Solenopleura copa SIVOV, 1940] Saamsk Horizon, Sayan Altay Belt, Russia; SOLENOPLURIDAE; MCAM.
- Rinonaspis** BALDIS & GONZALEZ, 1981 [santiaguensis] Rincon Fm, Santiago del Estro, Argentina; ODONTOPLURIDAE; LDEV.
- Rinonia** HUPÉ, 1953a [Protolenus schneideri RICHTER & RICHTER, 1941a] Herrerias Marl, Spain; ELLIPSOCEPHALIDAE; LCAM.
- Rinella** POLETAeva & EGOROVA in EGOROVA & SAVITSKY, 1969 [multifaria] Suludinsk Fm, Mayaian, N Siberia, Russia; LISANIIDAE; MCAM.
- Ritella** KHRAMOVA & PEGEL in PEGEL & KHRAMOVA, 1985 [plena] Ayusokkansk Stage, N Siberia, Russia; DOKIMOCEPHALIDAE; UCAM.
- Robergia** WIMAN, 1905 [Remopleurides microphthalmus LINNARSSON, 1875] Andersön Sh, Jämtland, Sweden; REMOPLURIDIDAE; MORD.
- Robergiella** WHITTINGTON, 1959 [sagittalis] Edinburg Lst, Virginia, USA; REMOPLURIDIDAE; UORD.
- Robroyia** LAMONT, 1975 [andersoni] Leny Lst, Scotland; UNCERTAIN; LCAM.
- Rogersvillia** HUPÉ, 1955 [Genevievella rogersvillensis RESSER, 1938b] Nolichucky Fm, Virginia, USA; LLANOASPIDIDAE; UCAM.
- Roksaspis** LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989 [turbinella] Shallow Bay Fm, Newfoundland, Canada; PARABOLINOIDIDAE; UCAM.
- Rokycania** PŘIBYL & VANĚK 1965 [Barrandeia [sic] primula HOLUB, 1912] Klabava Fm, Czech Republic; NILEIDAE; LMORD. [j.s.s. of Illaenopsis, fide FORTEY & OWENS, 1987].
- Rokycanocoryphe** PŘIBYL & VANĚK, 1987 [Phascolops krafti ŠNAJDR, 1983a] Šárka Fm, Czech Republic; TROPIDOCORYPHIDAE; MORD.
- Rollia** CULLISON, 1944 [goodwini] Rich Mountain Fm, Missouri, USA; HYSTRICURIDAE; LORD.
- Rollmops** McNAMARA, 1980 [Phacops (Chasmops) wenjukowi SCHMIDT, 1881] Johvi Stage, Estonia; PTERYGOMETOPIDAE; UORD.
- Romanops** ELDRIDGE & BRANIŠA, 1980 [Kozlowskiaspis (Romanops) borealis] Belén Fm, Bolivia; CALMONIIDAE; LDEV.
- Roncellia** LESPÉRANCE & BOURQUE, 1971 [debeaujeuensis] Roncelles Fm, Quebec, Canada; DALMANITIDAE; LDEV.
- Rondocephalus** POKROVSKAYA, 1959 [mirandus] Shivelik Fm, Tuva, Russia; DINESIDAE; LCAM.
- Rongxiella** W. ZHANG, 1974 [globosa] Xiushan Fm, Sichuan, China; ENCRINURIDAE; LSIL.
- Rontrippia** THOMAS & HOLLOWAY, 1988 [Lichas grayii FLETCHER, 1850] Much Wenlock Lst Fm, England; LICHIDAE; LSIL.
- Ropschiaspis** BALASHOVA, 1976 [Megalaspis lawrowi SCHMIDT, 1906] Obuchov Fm, St Petersburg region, Russia; ASAPHIDAE; MORD [j.s.s. of Rhinoferus, fide NIELSEN, 1995].
- Rorringtonia** WHITTARD, 1966 [flabelliforme] Rorrington Sh Fm, England; RORRINGTONIIDAE; UORD.
- Rosehillia** ENGEL & MORRIS, 1997 [Phillipsia superba MITCHELL, 1918] ?Flagstaff Fm (Dungog), New South Wales, Australia; PROETIDAE; MISS.
- Rosovaspis** COURTESSOLE & PILLET, 1976 [replacement name for Pseudoacrocephalites ROsoVA; j.o.s. of Dolgeuloma].
- Rossaspis** HARRINGTON, 1957 [Protoplomerops superciliosa ROSS, 1951] Garden City Fm, Idaho, USA; PLIOMERIDAE; LORD.
- Rossicurus** ADRAIN et al., 2003 [Hystricurus lepidus HINTZE, 1953] House Fm, Utah, USA; HYSTRICURIDAE; LORD.
- Rostrifinis** ÖPIK, 1967 [Rhyssometopus (Rostrifinis) rostrifinis] Mungerebar Lst, Queensland, Australia; RHYSSOMETOPIDAE; UCAM [s.g. of Rhyssometopus].

- Rowia** DEISS, 1939 [vulgata] Pentagon Sh, Montana, USA; ALOKISTOCARIDAE; MCAM [j.s.s. of Parehmania, fide HOWELL in MOORE, 1959].
- Ruapyge** WRIGHT, 1979 [Dionide hectori REED, 1926] Patriarch Fm, New Zealand; CERATOPYGIDAE; LORD [replacement name for Hectoria; j.s.s. of Hysterolenus, fide PENG, 1990].
- Rudagnostus** LERMONTOVA, 1951a [Agnostus princeps var. rudis SALTER, 1864b] N Wales; AGNOSTIDAE; UCAM [j.s.s. of Trilobagnostus, fide SHERGOLD et al., 1990].
- Ruegenometopus** KRUEGER, 1993 [heinrichi] lower Ludibundus Lst. Rügen, Germany; PTERYGO-METOPIDAE; UORD.
- Rugulites** TOMCZYKOWA, 1991 [Cyphaspsis rugulosus ALTH, 1874] Podolia, Ukraine; PROETIDAE; LDEV [replacement name for Podolites].
- Ruichengaspis** ZHANG & YUAN in W. ZHANG et al., 1980b [mirabilis] Hsichuang Fm, Shanxi, China; WUANIIDAE; MCAM.
- Ruichengella** ZHANG & YUAN in W. ZHANG et al., 1980b [triangularis] Hsichuang Fm, Shanxi, China; PTYCHOPARIIDAE; MCAM [j.s.s. of Plagiura, fide JELL, herein].
- Runcinodiscus** RUSHTON in BASSETT et al., 1976 [index] Comley Lst, England; WEYMOUTHIDAE; LCAM.
- Runnania** LI in YIN & LI, 1978 [runnanensis] Niutitang Fm, Guizhou, China; PTYCHOPARIIDAE; LCAM.
- Rutoscutellum** PEK & VANĚK, 1989 [Bronteus edwardsi BARRANDE, 1852] Kopanina Fm, Czech Republic; STYGINIDAE; USIL [j.s.s. of Avascutellum, fide VANĚK & VALÍČEK, 2002].
- Ruzickaia** PŘIBYL, 1950 [Conocephalus emmrichi BARRANDE, 1846a] Jince Fm, Czech Republic; CONOKEPHALINIDAE; MCAM [replacement name for Lobocephalus; j.s.s. of Conocephalina, fide ŠNAJDR, 1958a].
- Ryckholtia** ŠNAJDR, 1980 [Proctus ryckholtii BARRANDE, 1846a] Kopanina Fm, Czech Republic; PROETIDAE; USIL.
- Sacha** ROZOVA, 1964 [perexigua] Sakhaisky Horizon, NW Siberia, Russia; LLANOASPIDIDAE; MCAM.
- Sachaspis** EGOROVA in EGOROVA & SAVITSKY, 1969 [picta] Amgaian, N Siberia, Russia; ANOMOCARIDAE; MCAM.
- Sagavia** KOROLEVA, 1967 [felix] Middle Ordovician, Kazakhstan; CYCLOPYGIDAE; MORD.
- Sagitaspis** IVSHIN, 1962 [akmolensis] Seletinsky Horizon, Kazakhstan; PAGODIIDAE; UCAM.
- Sagitoides** IVSHIN, 1962 [sagiti] Seletinsky Horizon, Kazakhstan; PAGODIIDAE; UCAM.
- Sagittapeltis** KIM, 1997 [triangularis] Greifstein Lst, Germany; STYGINIDAE; LDEV [j.s.s. of Andegavia, fide VANĚK, 1998].
- Saharops** MORZADDEC, 2001 [behsaidi] Anti-Atlas Mts, Morocco; ACASTIDAE; LDEV.
- Sailoma** SCHRANK, 1975 [loma] Changshan Fm, Liaoning, China; LEIOSTEGIIDAE; UCAM.
- Sailycaspis** REPINA in KHOMENTOVSKY & REPINA, 1965 [quittata] Taryn Horizon, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Saimachia** KOBAYASHI, 1937a [damesi] Changhia Fm, Shandong, China; DOKIMOCEPHALIDAE; MCAM.
- Saimixiella** LI, 1978 [saimixiensis] Shihpai Fm, Shaanxi, China; DOLICHOMETOPIDAE; LCAM.
- Sajanaspis** REPINA, 1960 [pokrovskajae] Kameshkov Fm, E Sayan, Russia; REDLICHINIDAE; LCAM.
- Sakhaspidella** LAZARENKO in GOGIN & PEGEL, 1997 [tuorica] *Agnostus pisiformis* Zone, Aldan R. E Siberia, Russia; UNCERTAIN; UCAM.
- Salankanaspis** EGOROVA, 1970 [aurita] Amgaian, N Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Saltaspis** HARRINGTON & LEANZA, 1952 [Jujuyaspis steinmanni KOBAYASHI, 1936e] Salta, Argentina; OLENIDAE; LORD.
- Salteria** THOMSON, 1864 [primaeva] Balclatchie Fm, Scotland; RAPHIHORIDAE; UORD.
- Salteria** WALCOTT, 1884b [replacement name for Erinys] [preocc., replaced by Menevia, then Meneviella].
- Salterocoryphe** HAMMANN, 1977 [Calymene salteri ROUAULT, 1851] Schistes à Calymènes, Brittany, France; CALYMENIDAE; MORD.
- Salterolithus** BANCROFT, 1929 [Trinucleus caractaci MURCHISON, 1839] Bron-y-Buckley Wood, Wales; TRINUCLEIDAE; UORD.
- Sambremeusaspis** LESPÉRANCE in LESPÉRANCE & SHEEHAN, 1988 [fossesensis] Fosse Fm, Belgium; PHACOPIIDAE; UORD.
- Sanaschtykgolia** POLETAEVA, 1960 [semisphaerica] Sanashtykol Horizon, W Sayan, Russia; CORYNEXOCHIDAE; LCAM.
- Sanbernardaspis** ACEÑOLAZA, 1973 [pygacantha] Mojotoro Fm, Salta, Argentina; ASAPHIDAE; LORD.
- Sandoveria** SHERGOLD, 1969 [lobata] Sandover Beds, Northern Territory, Australia; ORYCTOCEPHALIDAE; MCAM.
- Sanduhedinaspis** YIN in YIN & LI, 1978 [guizhouensis] Sandu Fm, Guizhou, China; POPYRIASPIDIDAE; UCAM.
- Sanduspis** QIAN, 1961 [gracilis] Sandu Fm, Guizhou, China; EULOMIDAE; UCAM.
- Sangzhiscutellum** LIN, 1987 [Meitanillaenus flabelliforme LIU, 1982] Luerkou, Sanzhi District, Hunan, China; STYGINIDAE; LSIL.
- Sanhuangshania** ZHANG & ZHOU in LU et al., 1974a [brevica] Douposi Fm, Yunnan, China; PTYCHOPARIIDAE; MCAM.
- Sanidopyge** HAAS, 1968 [baykali] Denizli Fm, Turkey; ACASTIDAE; MDEV.
- Sanwania** YUAN in W. ZHANG et al., 1980a [luna] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.

- Sao** BARRANDE, 1846a [hirsuta] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM.
- Saonella** ROZOVA, 1968 [saonica] Madui Horizon, Siberia, Russia; KINGSTONIIDAE; UCAM.
- Saoria** LAMONT, 1978 [Enocrinurus stokesii McCOY, 1846] Ferriter's Cove Fm, Ireland; ENCRINURIDAE; LSIL [j.s.s. of Enocrinurus, fide EDGECOMBE & CHATTERTON, 1993].
- Sapushania** W. ZHANG, 1966 [granulosa] Chiungchussu Fm, Yunnan, China; REDLICHIIIDAE; LCAM.
- Sarassina** ROMANENKO in POSPELOV & ROMANENKO, 1980 [alutacea] Bograd Horizon, Sayan Altay, Russia; REDLICHIIIDAE; LCAM.
- Saratogia** WALCOTT, 1916a [Conocephalites calciferous WALCOTT, 1879] Hoyt Lst, New York, USA; IDAHOIIDAE; UCAM.
- Sardaspis** BRASIER, 1976 [papillosa] Nebida Fm, Sardinia, Italy; REDLICHIIIDAE; LCAM [j.s.s. of Blayacina, fide JELL, herein].
- Sardoredlichia** RASETTI, 1972 [praespinosa] Nebida Fm, Sardinia, Italy; REDLICHIIIDAE; LCAM.
- Sarkia** KLOUČEK, 1916 [[bohemia] Dobrotivá Fm, Czech Republic; SARKIIDAE; MORD.
- Sarrabesia** HAMMANN & LEONE, 1997 [teichmuelleri] Punta Serpeddi Fm, Sardinia, Italy; CALYMENIDAE; UORD.
- Saryaspis** LISOGOR, 1997 [micrinatus] Maidansk Fm, E. Kazakhstan; DORYPYGIDAE; MCAM.
- Saukia** WALCOTT, 1914a [Dikelocephalus lodensis WHITFIELD, 1880] Saint Lawrence Fm, Wisconsin, USA; SAUKIIDAE; UCAM.
- Saukianda** RICHTER & RICHTER, 1940 [andalusia] Alanis Sh, Spain; SAUKIANDIIDAE; LCAM.
- Saukiandops** HUPÉ, 1953a [Redlichia walcotti MANSUY, 1912] Chiungchussu Fm, Yunnan, China; REDLICHIIIDAE; LCAM [j.s.s. of Eoredlichia, fide W. ZHANG et al., 1997].
- Saukiella** ULRICH & RESSER, 1933 [typicalis] St Lawrence Fm, Minnesota, USA; SAUKIIDAE; UCAM.
- Saukioides** KOBAYASHI, 1952 [Pseudosaukia suni KOBAYASHI, 1951a] Fengshan Fm, Liaoning, China; PTYCHASPIDIDAE; UCAM [replacement name for Pseudosaukia KOBAYASHI].
- Sayanella** POKROVSKAYA, 1959 [Klotziella poletaevae LERMONTOVA, 1940] Shangansky Fm, Tuva, Russia; DINESIDAE; LCAM [j.s.s. of Botomella, fide SUVOROVA, 1960].
- Sayramaspis** XIANG & ZHANG, 1985 [angustaxis] Guozigou Fm, Xinjiang, China; CERATOPYGIDAE; UCAM [j.s.s. of Pseudoyuepingia, fide HUGHES & RUSHTON, 1990].
- Scabrella** WENNDORF, 1990 [Dalmanites asseiberghsi MAILLIEUX, 1936] Quartzopyllades de Longlier, Ardennes, Belgium; HOMALONOTIDAE; LDEV.
- Scabriscutellum** RICHTER & RICHTER, 1956 [Bronteus scaber GOLDFUSS, 1843] Eifel, Germany; STYGINIDAE; MDEV [see NOTE 9].
- Scanagnostus** BUCHHOLZ, 1997a [Svcnax confluentus RUDOLPH, 1994] glacial boulder, Germany; PERONOPSIDAE; MCAM [j.s.s. of Lisogoragnostus, fide PENG & ROBISON, 2000].
- Sceptaspis** LUDVIGSEN & CHATTERTON, 1982 [Pterygometopus lincolnensis BRANSON, 1909] Plattin Fm, Missouri, USA; PTERYGOMETOPIIDAE; UORD.
- Schaderthalaspis** ALBERTI, 1983 [Proetus expansus RICHTER, 1865] Tentaculiten-Kalk, E Thuringian Slate Mts, Germany; PROETIDAE; LDEV.
- Schagonaria** POLETAEVA in EGOROVA et al., 1955 [tannuola] Chingin Fm, Tuva, Russia; PARADOXIIDAE; MCAM.
- Schantungia** LORENZ, 1906 [buchruckeri] Changshan Fm, Shandong, China; LEIOSTEGIIDAE; UCAM [s.s.s. of Chuangia, suppressed in favour of Chuangia by ICZN opinion 1261].
- Scharyia** PŘIBYL, 1946 [Proetus micropygus HAWLE & CORDA, 1847] Kopanina Fm, Czech Republic; SCHARYIIDAE; USIL.
- Schismagnostus** ROBISON, 1994 [plicatus] Henson Gletscher Fm, NW Greenland; PTYCHAGNOSTIDAE; MCAM.
- Schistocephalus** CHERNYSHEVA in CHERNYSHEVA et al., 1956 [enigmaticus] Amga River, E Yakutia, Russia; PALAEOLENIDAE; MCAM.
- Schistometopus** RESSER, 1938a [typicalis] Rennie Sh, Idaho, USA; PTYCHOPARIIDAE; MCAM.
- Schizophillipsia** KOBAYASHI & HAMADA, 1980b [yukisawensis] Onimaru Series, Yuki-sawa, Japan; PROETIDAE; MISS.
- Schizophorus** BALASHOVA, 1953 [Asaphus lepidurus NIESZKOWSKI, 1859] Volkhov Fm, St Petersburg region, Russia; ASAPHIDAE; LORD [j.s.s. of Asaphus, fide NIELSEN, 1995].
- Schizoproetina** MAKSIMOVA, 1977a [Schizoproetus borealis MAKSIMOVA, 1960] Novaya Zemlya, N Siberia, Russia; PROETIDAE; MDEV.
- Schizoproetoides** ORMISTON, 1967 [Cyrtosymbole richteri TOLMACHOFF, 1926] Blue Fiord Fm, Nunavut, Canada; PROETIDAE; MDEV.
- Schizoproetus** RICHTER, 1912 [Proetus celechovicensis SMY., KA, 1895] Givet, Celechovice, Czech Republic; PROETIDAE; MDEV.
- Schizopyge** CLARKE, 1913 [preocc., replaced by Tibagya].
- Schizostylus** DELO, 1935 [Dalmanites brevicaudatus KOZLOWSKI, 1923] Icla Fm, Letanias, Bolivia; CALMONIIDAE; LDEV.
- Schmalenseeia** MOBERG, 1903 [amphionura] *Agnostus pisiformis* Zone, Sweden; BURLINGIIDAE; UCAM.
- Schmidtaspis** KOBAYASHI, 1943b [sibiricus] *Koldinia* Zone, Giranda River, Siberia, Russia; ELVINIIDAE; UCAM.
- Schmidtella** TSCHERNYSCHEW, 1893 [preocc., replaced by Tschernyschewella].

- Schmidtia** MARCOU, 1890 [preocc. replaced by Schmidtclaus].
- Schmidtclaus** MOBERG in MOBERG & SEGERBERG, 1906 [Olenellus mickwitzii SCHMIDT, 1888] Estonia; HOLMIIDAE; LCAM [replacement name for Schmidtia].
- Schmidtrops** RÖÖMUSOKS, 1998 [Phacops (Chasmodon) maxima SCHMIDT, 1881] Keila Fm, N Estonia; PTERYGOMETOPIIDAE; UORD.
- Schoharia** LESPÉRANCE, 1975 [Dalmanites emarginatus HALL, 1876] Schoharie Fm, New York, USA; DALMANITIDAE; LDEV.
- Schopfaspis** PALMER & GATEHOUSE, 1972 [granulosus] Mount Spann, Antarctica; ALOKISTOCARIDAE; MCAM.
- Schoriicare** ROZOVA, 1964 [Schoriella lata LAZARENKO, 1960] Nganasansk Horizon, NW Siberia, Russia; ANOMOCARIDAE; UCAM.
- Schoriella** SIVOV in EGOROVA et al., 1955 [schorica] Gornoshor Fm, Gorny Shoria, Russia; ANOMOCARIDAE; UCAM.
- Schoriina** FEDYANINA in CHERNYSHEVA, 1971 [elegans] Mundbash Horizon, Gorny Shoria, Russia; PARADOXIDIDAE; MCAM.
- Schylaspis** IVSHIN, 1962 [dendiformis] Seletinsky Horizon, Kazakhstan; MARJUMIIDAE; UCAM.
- Scinocephalus** ROSS, 1951 [solitecti] Garden City Fm, Idaho, USA; REMOPLEURIDIDAE; LORD.
- Scintilla** PEGEL in GINTSINGER et al., 1986 [polita] Shangansk Fm, Tuva, Russia; ANOMOCARIDAE; LCAM.
- Scolosaukia** SUN, 1990 [Calvinella micropora QIAN, 1985b] Fengshan Fm, Hebei, China; SAUKIIDAE; UCAM [j.s.s. of Eosaukia, fide SHERGOLD, 1991].
- Scopelochasmops** McNAMARA, 1980 [Trilobites conicophthalmus SARS & BOECK in BOECK, 1838] Vollen Fm, Norway; PTERYGOMETOPIIDAE; UORD.
- Scotiella** DELO, 1935 [Dalmania logani HALL, 1860] Stonchouse Fm, Nova Scotia, Canada; ACASTIDAE; SIL.
- Scotoharpes** LAMONT, 1948 [domina] Wether Law Linn Fm, Scotland; HARPETIDAE; LSIL.
- Scotoproctus** LAMONT, 1978 [Proetus (Scotoproctus) fergali] Wether Law Linn Fm, Scotland; PROETIDAE; LSIL [j.s.s. of Proetus, fide CLARKSON & HOWELLS, 1981].
- Scottia** WOLFART, 1994 [preocc., replaced by Ganovexopyge].
- Sculptaspis** NIKOLAISEN, 1983 [cordata] Arnestad Fm, Norway; REMOPLEURIDIDAE; UORD.
- Sculptella** NIKOLAISEN, 1983 [scripta] Vollen Fm, Norway; REMOPLEURIDIDAE; UORD.
- Sculptoproctus** ERBEN, 1951 [Proetus sculptus BARRANDE, 1846a] Zlichov Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Scutellum** PUSCH, 1833 [costatum] Kadzielnia near Kielce, Poland; STYGINIDAE; MDEV.
- Sdzuyella** HAJRULLINA in REPINA et al., 1975 [stremina] *Sdzuyella-Aegunaspis* Zone, Turkestan; HOLOCEPHALINIDAE; MCAM.
- Sdzuyomia** LIEBERMAN, 2001 [Callavia? lotzei RICHTER & RICHTER, 1941a] Herrerias Marl, Cala, Spain; NEVADIIDAE; LCAM.
- Sectigena** GEYER, 1990 [iyouensis] Issafen Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Segmentagnostus** PEK, 1977 [Agnostus caducus BARRANDE, 1872] Dobrotivá Fm, Czech Republic; METAGNOSTIDAE; LORD [j.s.s. of Corrugatagnostus, fide SHERGOLD et al., 1990].
- Seisonia** KOBAYASHI, 1934b [sphericauda] *Protopliomerops* Zone, Saisho-ri, South Korea; PILEKIIDAE; LORD.
- Sekwiaspis** FRITZ, 1972 [artifrons] Sekwi Fm, North West Territories, Canada; REDLICHINIDAE; LCAM.
- Selenecece** CLARK, 1924 [propinqua] Levis Fm, Quebec, Canada; ALSATASPIDIDAE; LORD.
- Selenoharpes** WHITTINGTON, 1950b [Harpes (Eoharpes) youngi REED, 1914] Balclatchie Fm, Scotland; HARPETIDAE; UORD [j.s.s. of Scotoharpes, fide NORFORD, 1973].
- Selenopeltis** HAWLE & CORDA, 1847 [Odontopleura buchii BARRANDE, 1846a] Letná Fm, Czech Republic; ODONTOPLEURIDAE; UORD.
- Selenopeltoides** PRANTL & PŘIBYL, 1949a [Acidaspis hawlei BARRANDE, 1852] Liteň Fm, Czech Republic; ODONTOPLEURIDAE; LSIL.
- Selenoptychus** HAWLE & CORDA, 1847 [rotundatus] Vinice Fm, Czech Republic; CYCLOPYGIDAE; UORD [s.s.s. of Heterocyclopyge, fide MAREK, 1961].
- Selenosema** HAWLE & CORDA, 1847 [thunii] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Seletella** IVSHIN, 1962 [choristos] Seletinsky Horizon, Kazakhstan; CATILLICEPHALIDAE; UCAM [j.s.s. of Onchonotellus, fide SHERGOLD, 1980].
- Seletoides** IVSHIN, 1962 [elenimilleri] Seletinsky Horizon, Kazakhstan; PAGODIIDAE; UCAM.
- Scindella** REPINA, 1979b [gigantica] Aldanian, NE Aldan Shield, Russia; ARCHAESPIDIDAE; LCAM.
- Semadiscus** E. ROMANENKO in REPINA & ROMANENKO, 1978 [sollennis] Shashkunarsk Fm, Gorny Altay, Russia; WEYMOUTHIIDAE; LCAM.
- Semagnostus** NIELSEN, 1997 [Pseudopronopsis zuninoi HARRINGTON & LEANZA, 1957] Angosto Fm, Salta, Argentina; AGNOSTIDAE; LORD.
- Sematiscus** ÖPIK, 1975b [fletcheri] Cymbric Vale Fm, New South Wales, Australia; ESTANGIIDAE; LCAM [j.s.s. of Hsuaspis (=Estaingia), fide JAGO et al., 1997].
- Semicyclocephalus** IVSHIN, 1953 [terminalis] Boshchekul Fm, Kazakhstan; PLETHOPELTIDAE; MCAM.

- Semiproetus** REED, 1943a [*Proetus* (*Semiproetus*) *twistonensis*] Worston Shale Group (CuII), England; PROETIDAE; MISS.
- Semisphaerocephalus** IVSHIN, 1953 [nominalis] Boshchekul Fm, Kazakhstan; PTYCHOPARIIDAE; MCAM.
- Semnocephalus** RESSER, 1942a [*Solenopleura* ? *weedi* WALCOTT, 1899] Pilgrim Fm, Montana, USA; MARJUMIIDAE; UCAM [j.s.s. of *Modocia*, fide PALMER, 1955].
- Senticucullus** XIA in W. ZHANG, 1974 [*elegans*] Xiushan Fm, Jiangxi, China; ENCRINURIDAE; LSIL [j.s.s. of *Coronocephalus*, fide WU, 1990].
- Septidenta** MAKSIMOVA, 1975 [*Acanthopyge* (*Septidenta*) *bogdanovi*] Karaespinsk Fm, Kazakhstan; LICHIDAE; LDEV [j.s.s. of *Radiolichas*, fide THOMAS & HOLLOWAY, 1988].
- Septimopeltis** PŘIBYL & VANĚK, 1972 [*Bronteus clementinus* BARRANDE, 1872] Daleje Sh, Czech Republic; STYGINIDAE; MDEV.
- Seriaspis** KORBOV, 1989 [*parvula*] Burgasutaisky Fm, W Mongolia; PTYCHOPARIIDAE; LCAM.
- Serrania** LINAN, 1978 [*verae*] Pedroche Fm, Cordoba, Spain; BIGOTINIDAE; LCAM.
- Serrodiscus** RICHTER & RICHTER, 1941a [*serratus*] Herrerias Marl, Spain; WEYMOUTHIIIDAE; LCAM.
- Sestrostega** ÖPIK, 1982 [*tosta*] Beetle Creek Fm, Queensland, Australia; DOLICHOMETOPIDAE; MCAM.
- Severina** EGOROVA in EGOROVA & SAVITSKY, 1969 [*parmata*] Suludinsk Fm, Mayaian, N Siberia, Russia; PROASAPHISCIDAE; MCAM.
- Sevillia** WELLER, 1936 [*sevillensis*] Seville Lst, Illinois, USA; PROETIDAE; PENN.
- Shaanxia** W. ZHANG & LIN in W. ZHANG et al., 1980a [*curvata*] Chiungchussu Fm, Shaanxi, China; ABADIELLIDAE; LCAM.
- Shabaella** QIAN & SUN in ZHOU et al., 1977 [*shabaensis*] Shihpai Fm, Hunan, China; ORYCTOCEPHALIDAE; LCAM.
- Shahaspis** JELL & HUGHES, 1997 [*Bolaspideella himalayensis* SHAH & SUDAN, 1982] Nutunus Fm, Kashmir; AGRAULIDAE; MCAM.
- Shanchengziella** LU & QIAN, 1983a [*elongata*] Changshan Fm, Liaoning, China; LEIOSTEGIIDAE; UCAM.
- Shanganella** POKROVSKAYA, 1959 [*lebedevae*] Shangansky Fm, Tuva, Russia; PTYCHOPARIIDAE; LCAM.
- Shanghaia** JU & XU in XU & JU, 1987 [*typicalis*] Chaoshan Fm, Shanghai, China; DOLICHOMETOPIDAE; LCAM.
- Shanghaiaspis** JU & XU in XU & JU, 1987 [*usualis*] Chaoshan Fm, Shanghai, China; SOLENOPLEURIDAE; LCAM.
- Shangsiaspis** LI, 1978 [*shangsiensis*] Chiungchussu Fm, Sichuan, China; ESTAINGIIDAE; LCAM.
- Shantungaspis** W. ZHANG, 1957 [*Ptychoparia acilis* WALCOTT, 1905] Maochuang Fm, Shandong, China; PTYCHOPARIIDAE; MCAM.
- Shantungia** WALCOTT, 1905 [*spinifera*] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.
- Shanxiella** LIN & WU in W. ZHANG et al., 1980b [*venusta*] Hsuehuang Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Shatania** W. ZHANG & LIN in LU et al., 1974a [*shatanensis*] Tsanglangpu Fm, Sichuan, China; KUEICHOWIIDAE; LCAM.
- Shengia** XIANG in EGOROVA et al., 1963 [*quadrata*] Changshan Fm, Hunan, China; LISANIIDAE; UCAM.
- Shenjiawania** PENG, 1984 [*brevica*] Shenjiawan Fm, Hunan, China; NILEIDAE; UCAM.
- Shergoldia** W. ZHANG & JELL, 1987 [*Tsinania nomas* SHERGOLD, 1975] Chatsworth Lst, Queensland, Australia; TSINANIIDAE; UCAM.
- Shergoldina** FEIST & TALENT, 2000a [*greenvalensis*] Big Stockyard Ck, Queensland, Australia; ASAPHIDAE; LORD.
- Shickshockia** RASETTI, 1946b [*cristata*] Levis Fm, Quebec, Canada; MARJUMIIDAE; UCAM.
- Shidania** LUO, 1983 [*latifrons*] Liushui Fm, Yunnan, China; KAOLISHANIIDAE; UCAM.
- Shifangia** QIAN & YAO in LU et al., 1974a [*tumida*] Shihpai Fm, Sichuan, China; ESTAINGIIDAE; LCAM.
- Shihuigouia** ZHU, 1960a [*striata*] Qinghai, China; OLENIDAE; UCAM.
- Shilengshuia** ZHOU & YIN in YIN & LI, 1978 [*jiubansensis*] Kaotai Fm, Guizhou, China; ANTAGMIDAE; MCAM.
- Shipaiella** W. ZHANG & QIAN in W. ZHANG et al., 1980a [*pyriformis*] Shihpai Fm, Hubei, China; DORYPYGIDAE; LCAM.
- Shiqiania** W. ZHANG, 1974 [*punctata*] Leijiatun Fm, Guizhou, China; CHEIRURIDAE; LSIL [j.s.s. of *Hyrokybe*, fide CHATTERTON & PERRY, 1984].
- Shiqihepsis** QIAN & YAO in LU et al., 1974a [*lubricus*] Shihpai Fm, Sichuan, China; ESTAINGIIDAE; LCAM.
- Shirakiella** KOBAYASHI, 1935c [*elongata*] *Kaolishania* Zone, South Korea; SHIRAKIELLIDAE; UCAM.
- Shitaia** QIAN & Q.Z. ZHANG in QIU et al., 1983 [*latifronta*] Wucun Fm, Anhui, China; IDAHOIIDAE; UCAM.
- Shivelicus** POKROVSKAYA, 1959 [*parvus*] Shangansky Fm, Tuva, Russia; ?CORYNEXOCHIDAE; LCAM.
- Shizhudiscus** S. ZHANG & ZHU in W. ZHANG et al., 1980a [*longquanensis*] Shuijingtuo Fm, Sichuan, China; TSUNYIDISCIDAE; LCAM [j.s.s. of *Tsunyiidiscus*, fide JELL, 1997].
- Shuangshania** GUO & ZAN in GUO et al., 1996 [*latilimbata*] Hsuehuang Fm, Liaoning, China; PROASAPHISCIDAE; MCAM.

- Shuiyuella** ZHANG & YUAN in W. ZHANG et al., 1980b [triangularis] Hsuehuang Fm, Shanxi, China; PTYCHOPARIIDAE; MCAM.
- Shuizuia** LU & ZHOU, 1990 [laevigata] Maotian Fm, Guizhou, China; KINGSTONIIDAE; UCAM.
- Shumardella** PŘIBYL & VANĚK, 1980 [preocc., replaced by Shumardoella].
- Shumardia** BILLINGS, 1862 [granulosa] Shumardia Lst, Quebec, Canada; SHUMARDIIDAE; MORD.
- Shumardoella** PEK & VANĚK, 1989 [Shumardia bohémica MAREK, 1964] Dobrotivá Fm, Czech Republic; SHUMARDIIDAE; MORD [replacement name for Shumardella].
- Shumardops** HUPE, 1955 [Shumardia longifrons TROEDSSON, 1937] Charchaq Fm, Xinjiang, China; SHUMARDIIDAE; LORD.
- Sibiriaspis** REPINA in KHALFIN, 1960 [chomentovskii] Bazaikh Horizon, Kuznetsk Alatau, Russia; ABADIELLIDAE; LCAM.
- Sibiriopleura** PETRUNINA, 1973 [Rhadinopleura (Sibiriopleura) picta] Taimensk Fm, Kuznetsk Alatau, W Siberia, Russia; ALSATASPIDIDAE; LORD.
- Sibiroproetus** PŘIBYL, 1970 [Pseudoproetus bellus MAKSIMOVA, 1961] Wilujskoje Plateau, Siberia, Russia; PROETIDAE; LSIL [j.s.s. of Astroproetus, fide OWENS, 1973b].
- Sichuanolenus** W. ZHANG & ZHU in W. ZHANG et al., 1980a [nanjiangensis] Yanwangbian Fm, Sichuan, China; ESTANGIIDAE; LCAM.
- Siciliproetus** KOBAYASHI & HAMADA, 1980a [Phillipsia sicula GEMMELLARO, 1892] Sosio Valley, Sicily, Italy; PROETIDAE; LPERM [replacement name for Paraproetus KOBAYASHI & HAMADA; j.s.s. of Neogriffithides, fide OWENS, 1983].
- Sigmakainella** SHERGOLD, 1972 [translira] Gola Beds, Queensland, Australia; REMOPLEURIDAE; UCAM.
- Simocheilus** PALMER, 1960 [serratus] Dunderberg Fm, Nevada, USA; PTEROCEPHALIIDAE; UCAM.
- Signatops** PŘIBYL & VANĚK, 1971a [Phacops signatus HAWLE & CORDA, 1847] Suchomasty Lst, Czech Republic; PHACOPIIDAE; MDEV.
- Silesiops** CHLUPÁČ, 1966 [Typhloproetus schindewolfi RICHTER & RICHTER, 1919] *Laevigites*-Stufe, Dzikowiec (Ebersdorf), L Silesia, Poland; PROETIDAE; UDEV.
- Siligerites** POKROVSKAYA in GONCHAROVA et al., 1972 [calvus] Mayaian, NE Siberia, Russia; ACROCEPHALITIDAE; MCAM.
- Simaproetus** ŠNAJDR, 1980 [simax] Koneprusy Lst, Czech Republic; PROETIDAE; LDEV.
- Simulolenus** PALMER, 1965 [Parabolinella incerta WILSON, 1954] Dunderburg Fm, Nevada, USA; OLENIDAE; UCAM [j.s.s. of Olenus, fide PRATT, 1992].
- Sinampyxina** SHENG, 1974a [chekiangensis] Huangnekan Fm, Zhejiang, China; RAPHIOPHORIDAE; UORD.
- Sinespinaspis** ADRAIN & CHATTERTON, 1990 [Odontopleura greenwoodi CHATTERTON & PERRY, 1983] Whittaker Fm, Northwest Territories, Canada; ODONTOPLEURIDAE; LSIL.
- Sinijanella** REPINA in KHOMENOVSKY & REPINA, 1965 [rara] Taryn Horizon, Siberia, Russia; DOLICHOMETOPIDAE; LCAM.
- Sinobathyurus** ZHOU & ZHANG, 1985 [fidus] *Wanliangtingia* Zone, Shanxi, China; BATHYURIDAE; LORD.
- Sinobole** YUAN, 1988 [Proetus eurycraspedon RICHTER, 1913] Oberscheld (toII/toIV), Rhenish Massif, Germany; PROETIDAE; UDEV.
- Sinocoosella** YUAN & YIN, 1998 [typicalis] Chefu Fm, Guizhou, China; CREPICEPHALIDAE; UCAM.
- Sinocrepecephalus** J. ZHANG & WANG, 1983 [shanxiensis] Changhia Fm, Shanxi, China; CREPICEPHALIDAE; MCAM.
- Sinocybele** SHENG, 1974b [baoshanensis] Pupiao Fm, Yunnan, China; ENCRINURIDAE; UORD.
- Sinocyrtoproetus** YUAN & XIANG, 1998 [convexus] Wangyou Fm, Guizhou, China; PROETIDAE; MISS.
- Sinodiscus** W. ZHANG in LU et al., 1974a [shipaiensis] Shuijingtuo Fm, Hubei, China; CALODISCIDAE; LCAM.
- Sinoharpes** SHENG, 1974b [yunnanensis] Pupiao Fm, Yunnan, China; HARPETIDAE; UORD [j.s.s. of Dubhglasina, fide EBACH & McNAMARA, 2002].
- Sinolenus** KOBAYASHI, 1944a [trapezoidalis] Shihpai Fm, Hubei, China; EDELSTEINASPIDIDAE; LCAM [j.s.s. of Labradoria, fide BLAKER & PEEL, 1997].
- Sinolua** LI, 1988a [tibetensis] Dawukaxia Fm, Xianza area, N Tibet, China; RAPHIOPHORIDAE; LSIL.
- Sinomegalaspis** QU in ZHOU et al., 1982 [gansuensis] Gulang Fm, Gansu, China; ASAPHIDAE; MORD [j.s.s. of Lonchobasilicus, fide ZHOU & FORTEY, 1986].
- Sinopageticia** W. ZHANG & YUAN, 1981 [Pageticia (Sinopageticia) neimengguensis] Xuehuang Fm, Inner Mongolia, China; EODISCIDAE; MCAM.
- Sinopaladin** LI & YUAN, 1994 [Paladin (Sinopaladin) xinganensis] Datang Stage, Guangxi, China; PROETIDAE; MISS.
- Sinoparapilekia** PENG, 1990 [taoyuanensis] Madaoyu Fm, Hunan, China; PILEKIIDAE; LORD.
- Sinoproceratopyge** LU & LIN, 1980 [Proceratopyge kiangshanensis LU in WANG, 1964] Siyangshan Fm, Zhejiang, China; CERATOPYGIDAE; UCAM.
- Sinoproetus** SHENG in LUO, 1974 [bindouensis] Baoshan, W Yunnan, China; PROETIDAE; USIL.

- Sinoptychoparia** ZHANG in LU et al., 1974a [tuberculata] Douposi Fm, Yunnan, China; PTYCHOPARIIDAE; MCAM.
- Sinosaukia** SUN, 1935 [pustulosa] Wolungshan Fm, Hebei, China; SAUKIIDAE; UCAM.
- Sinoschistometopus** YUAN & ZHAO in YUAN et al., 2002 [angustilimbatus] Kaili Fm, Guizhou, China; NAMANOIIDAE; MCAM.
- Sinosymbole** YUAN & XIANG, 1998 [Cyrtosymbole guangxiensis ZHU, 1988] Yonghsien Fm, Guangxi, China; PROETIDAE; UDEV.
- Sinskia** SUVOROVA, 1960 [optabilis] Perekhod Fm, Siberia, Russia; JUDOMIIDAE; LCAM.
- Sivovella** POLETAEVA, 1967 [Coosia radugini SIVOV in EGOROVA et al., 1955] Salair Fm, Salair, Russia; ANOMOCARIDAE; MUCAM.
- Skelipyx** LANE, 1971 [Cheirurus cancrurus SALTER, 1853a] Chair of Kildare Lst, Ireland; CHEIRURIDAE; UORD.
- Skemmatocare** RICHTER & RICHTER, 1927b [Otarion elegans MUNSTER, 1842] *Laevigites*-Stufe, Schübelhammer, E Thuringian Slate Mts, Germany; PROETIDAE; UDEV.
- Skematopyge** RICHTER & RICHTER, 1919 [tietzei] Grey Lst, Dzikowiec (Ebersdorf), L Silesia, Poland; PROETIDAE; UDEV.
- Skljarella** PETRUNINA, 1973 [lidiae] Kitatsk Fm, Kuznetsk Alatau, W Siberia, Russia; ALSAT-ASPIDIDAE; LORD.
- Skreiaspis** RUZICKA, 1946 [Agraulos spinosus JAHN in POMPECKJ, 1895] Jince Fm, Czech Republic; AGRAULIDAE; MCAM.
- Skryjagnostus** ŠNAJDR, 1957b [pompeckji] Jince Fm, Czech Republic; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Slimanella** PŘIBYL & VANĚK, 1978 [Decoroproetus? cicatriosus ALBERTI, 1970] Ben Slimane, Morocco; TROPIDOCORYPHIDAE; LDEV.
- Smeathenia** DEAN, 1960 [Salterolithus smeathenensis BANCROFT, 1949] Smeathen Wood Fm, England; TRINUCLEIDAE; UORD [j.s.s. of Salterolithus, fide BOWDLER-HICKS et al., 2002].
- Šnajdria** HAMMANN, 1992 [foveolata] Cystoid Lst, Aragon, Spain; ILLAENIDAE; UORD.
- Sneedvillia** RESSER, 1938b [typicalis] Noliehucky Fm, Tennessee, USA; CRÉPICEPHALIDAE; UCAM.
- Snoderaspis** RAMSKÖLD, 1984 [Dudleyaspis (Snoderaspis) krausi] Eke Fm, Gotland, Sweden; ODONTOPLEURIDAE; US1L [j.s.s. of Taemasaspis, fide ADRAIN, herein].
- Sobovaspis** DEAN, 1973 [tubereulata] Sobova Fm, Turkey; LEIOSTEGIIDAE; LORD.
- Sohopleura** JAGO & WEBERS, 1992 [drakensis] Drake leefall Fm, Antarctica; SOLENOPLEURIDAE; MCAM.
- Sokhretia** HUPE in CHOUBERT et al., 1956 [Dalmanites solitaria BARRANDE, 1852] Zhahorany Fm, Czech Republic; ACASTIDAE; UORD.
- Solariproetus** QU, 1986 [triangularis] Shichengzi Fm, Qinghai, China; RORRINGTONIIDAE; UORD.
- Solenagnostus** WHITEHOUSE, 1936 [Agnostus longifrons NICHOLAS, 1915] Upper Caered Mdst Fm, Wales; PTYCHAGNOSTIDAE; MCAM [j.s.s. of Triplagnostus, fide SHERGOLD et al., 1990].
- Solenoparia** KOBAYASHI, 1935e [Ptychoparia (Liostracus) toxcus WALCOTT, 1905] Hsichuang Fm, Shandong, China; SOLENOPLEURIDAE; MCAM.
- Solenoparina** W. ZHANG, 1963 [Dorypyge semi-circularis RESSER & ENDO, 1937] Changhia Fm, Liaoning, China; SOLENOPLEURIDAE; MCAM [j.s.s. of Paramenocephalites, fide W.ZHANG & JELL, 1987].
- Solenoparops** W. ZHANG, 1963 [Solenoparia luna ENDO, 1944] Changhia Fm, Liaoning, China; SOLENOPLEURIDAE; MCAM.
- Solenopleura** ANGELIN, 1854 [Calymene holometopa ANGELIN, 1851] Andrarum Lst, Sweden; SOLENOPLEURIDAE; MCAM.
- Solenopleurella** POULSEN, 1927 [ulrichi] Cape Wood Fm, NW Greenland; SOLENOPLEURIDAE; MCAM.
- Solenopleurina** RUZICKA, 1938 [j.o.s. of Herse].
- Solenopleuroopsis** THORAL, 1947 [Conocoryphe rouayrouxi MUNIER-CHALMAS & BERGERON, 1889] Schistes non troués, France; SOLENOPLEURIDAE; MCAM.
- Solontzella** REPINA, 1960 [modesta] Solontsov Horizon, Kuznetsk Alatau, Russia; AMGASP-IDIDAE; LCAM.
- Somatrikelon** McMURTRIE, 1819 [megalomaton] "Falls of the Ohio", Louisville, Kentucky, USA; PHACOPIIDAE; LMDEV.
- Sombrella** LOCHMAN, 1948 [mexicana] Buclna Fm, Sonora, Mexico; ANTAGMIDAE; LCAM.
- Songkania** W. ZHANG, 1974 [hanjiadianensis] Hanjiadian, Guizhou, China; AULACOPLEURIDAE; LSIL.
- Songtaoia** YIN in YIN & LI, 1978 [guizhouensis] Nantsinkwan Fm, Guizhou, China; HUNGALIDAE; LORD.
- Songxites** LIN, 1981 [Dalmanitina (Dalmanitina) wuningensis LIN, 1974] Xingkailing Fm, Jiangxi, China; DALMANITIDAE; UORD.
- Sonoraspis** STOYANOW in COOPER et al., 1952 [torresi] Arrojos Fm, Sonora, Mexico; DOLICHOMETOPIDAE; MCAM [j.s.s. of Glosso-pleura, fide PALMER, 1954].
- Soomaspis** FORTEY & THERON, 1995 [splendida] Cedarberg Fm, Cape Province, South Africa; NEKTASPIDA; UORD.
- Spathacalymene** TILLMAN, 1960 [Calymene nasuta ULRICH, 1879] Salamonie Dol, Indiana, USA; CALYMENIDAE; LSIL.

- Spatulina** OSMÓLSKA, 1962 [Phillipsia spatulata WOODWARD, 1902] Coddon Hill Chert Fm, England; PROETIDAE; MISS.
- Spencella** RASETTI, 1963a [montanensis] Meagher Lst, Montana, USA; PTYCHOPARIIDAE; MCAM.
- Spencia** RESSER, 1939a [typicalis] Spence Sh, Idaho, USA; PTYCHOPARIIDAE; MCAM.
- Spergenaspis** BREZINSKI, 1987 [salemi] Salem Lst, Indiana, USA; PROETIDAE; MISS.
- Sphaeragnostus** HOWELL & RESSER in COOPER & KINDLE, 1936 [Aagnostus similis BARRANDE, 1872] Dobrotivá Fm, Czech Republic; PERONOPSIDAE; MORD.
- Sphaerexochus** BEYRICH, 1845 [mirus] Liteň Fm, Czech Republic; CHEIRURIDAE; LSIL.
- Sphaerocoryphe** ANGELIN, 1854 [dentata] U Jonstrop Mdst, Sweden; CHEIRURIDAE; UORD.
- Sphaerometopus** ANGELIN, 1854 [alternate spelling of Sphaerexochus used by ANGELIN, 1854 and suppressed as a nomen nudum by ICZN Opinion 614].
- Sphaerophthalmella** KOBAYASHI, 1955b [inexpectans] McKay Group, British Columbia, Canada; OLENIDAE; LORD [possibly s.s.s. of Boeckaspis, fide R.A. FORTEY, pers comm.].
- Sphaerophthalmoides** HUTCHINSON, 1952 [Leptoplastus latus MATTHEW, 1891] Narrows Fm, New Brunswick, Canada; OLENIDAE; UCAM [j.s.s. of Westergardia, fide POULSEN in MOORE, 1959].
- Sphaerophthalmus** ANGELIN, 1854 [Trilobites alatus BOECK, 1838] Alum Sh, Norway; OLENIDAE; UCAM.
- Spinacephalus** STITT, 1971 [frontis] Fort Hill Lst, Oklahoma, USA; REMOPLEURIDIDAE; UCAM.
- Spinagnostus** HOWELL, 1935a [franklinensis] St Albans Fm, Vermont, USA; PERONOPSIDAE; MCAM [j.s.s. of Hypagnostus, fide SHERGOLD et al., 1990].
- Spineuloma** LU & LIN, 1984 [spinorum] Yinchapu Fm, Zhejiang, China; EULOMIDAE; LORD.
- Spinibole** CHLUPÁČ, 1966 [olgae] Brezina Sh, Czech Republic; PROETIDAE; MISS.
- Spinibolops** HAHN & HAHN, 1971b [ephyra] Cherty Transitional Beds (culla₁₋₂), Erdbach, Rhenish Massif, Germany; PROETIDAE; MISS.
- Spinicryphops** CRONIER & FEIST, 2000 [lemkei] Wocklumeria Lst, Hönne Valley, Rhenish Massif, Germany; PHACOPIIDAE; UDEV.
- Spinillaenus** XIA, 1978 [sinensis] Miaopo Fm, Hubei, China; ILLAENIDAE; UORD.
- Spinimetopus** HAHN & HAHN, 1985 [Brachymetopus coignouides HAHN & HAHN in HAHN, HAHN & MAASS, 1981] Schwarzwald (Black Forrest), Germany; BRACHYMETOPIDAE; MISS.
- Spiniscutellum** ŠNAJDR, 1960 [Bronteus umbellifer BEYRICH, 1845] Lochkov Fm, Czech Republic; STYGINIDAE; LDEV.
- Spinodiscus** KOBAYASHI, 1943a [Microdiscus punctatus SALTER, 1864c] Lingula Flags, Wales; EODISCIDAE; MCAM [j.s.s. of Eodiscus, fide JELL, 1997].
- Spinodontocheile** ŠNAJDR, 1985a [Phacops spinifer BARRANDE, 1846a] ?Zlichov Fm, Czech Republic; DALMANITIDAE; LDEV [j.s.s. of Zlichovaspis, fide VANĚK & VALÍČEK, 2002].
- Spinolimbella** LIU, 1982 [bella] Anhua, Hunan, China; PROETIDAE; MISS [j.s.s. of Weberiphillipsia, fide HAHN, HAHN & YUAN, 1989].
- Spinopanura** KUSHAN, 1973 [Drepanura (Spinopanura) erbeni] Mila Fm, Iran; DAMESELLIDAE; UCAM [j.s.s. of Bergeronites, fide LU & ZHU, 1980].
- Spinoproetus** ŠNAJDR, 1977 [Cornuproetus (Lepidoproetus) spinosus PRIBYL, 1965] Sliveneč Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Spinopyge** BALASHOVA, 1976 [Megalaspis acuticauda var. triangularis SCHMIDT, 1906] Volkhov or Obuchov Fm, St Petersburg region, Russia; ASAPHIDAE; MORD [j.s.s. of Megistaspidella, fide NIELSEN, 1995].
- Spinoredlichia** LIU, 1975 [typicalis] Qingzudong Fm, Guizhou, China; REDLICHIIDAE; LCAM [j.s.s. of Pteroredlichia, fide W. ZHANG et al., 1997].
- Spirantyx** WHITTARD, 1961a [calvarina] Meadowtown Fm, England; ALSATASPIDIDAE; MORD.
- Spitella** SHAH et al., 1991 [barachuensis] Kunzam La Fm, Himalaya, India; PTYCHOPARIIDAE; MCAM [j.s.s. of Xingrenaspis, fide JELL & HUGHES, 1997].
- Spitiaspis** KOBAYASHI, 1967 [Anomocare conjunctiva REED, 1910] Kunzam La Fm, Himalaya, India; PROASAPHISCIDAE; MCAM [j.s.s. of Szcaspis, fide JELL & HUGHES, 1997].
- Spitsbergaspis** PRIBYL & VANĚK, 1980 [Hypermeccaspis venulosa FORTEY, 1974b] Valhallfona Fm, Spitsbergen; OLENIDAE; LORD [j.s.s. of Hypermeccaspis, fide EBBESTAD, 1999].
- Spizharaspis** G. ERGALIEV in ERGALIEV & ERGALIEV, 2001 [rarus] Zhumbabaisk Fm, Kazakhstan; UNCERTAIN; UCAM.
- Squarrosella** WU & LIN in W. ZHANG et al., 1980b [tuberculata] Hsuehuang Fm, Shanxi, China; SOLENOPLEURIDAE; MCAM.
- Stapeleyella** WHITTARD, 1955 [inconstans] Hope Sh Fm, England; TRINUCLEIDAE; MORD.
- Staurocephalus** BARRANDE, 1846a [murchisoni] Liteň Fm, Czech Republic; ENCRINURIDAE; LSIL.
- Staurogmus** HAWLE & CORDA, 1847 [muricatus] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Stauroholecus** RESSER, 1939a [typicalis] Spence Sh, Idaho, USA; PTYCHOPARIIDAE; MCAM [j.s.s. of Spencia, fide RASETTI, 1951].

- Stegnopsis** WHITTINGTON, 1965a [solitarius] Table Point Fm, Newfoundland, Canada; ASAPHIDAE; MORD.
- Stelekaspis** CHATTERTON & PERRY, 1983 [warreni] Whittaker Fm, Northwest Territories, Canada; ODONTOPLEURIDAE; LSIL.
- Stella** EGOROVA & SAVITSKY, 1968 [flabellata] Mayaian, N Siberia, Russia; PROASAPHISCIDAE; MCAM.
- Stenambon** PALMER, 1965 [megagranulus] Dunderberg Fm, Nevada, USA; PTEROCEPHALIDAE; UCAM.
- Stenelymus** RAYMOND, 1937 [kobayashii] Rockledge Cgte, Vermont, USA; LLANOASPIDIDAE; UCAM.
- Stenoblepharum** OWENS, 1973a [Paraproetus warburgae PŘIBYL, 1964] Boda Lst, Dalarna, Sweden; TROPIDOCORYPHIDAE; UORD.
- Stenoehilina** ULRICH in BRIDGE, 1931 [spinifera] Eminence Dol, Missouri, USA; CATILLICEPHALIDAE; UCAM.
- Stenocombus** RAYMOND, 1937 [princeps] Rockledge Cgte, Vermont, USA; KINGSTONIIDAE; UCAM [j.s.s. of Blountia, fide PALMER & PEEL, 1981].
- Stenoparcia** HOLM in SCHMIDT, 1886b [Illaenus linnarssoni HOLM, 1882] Boda Lst, Dalarna, Sweden; ILLAENIDAE; UORD.
- Stenopilus** CLARK, 1924 [intermedius] Levis Fm, Quebec, Canada; PLETHOPELTIDAE; UCAM.
- Stenorhachis** HINTZE & JAANUSSON, 1956 [Isoteloides? genalticurvatus HINTZE, 1953] Wahwah Fm, Utah, USA; ASAPHIDAE; LORD.
- Stenosaukia** RAYMOND, 1937 [irrasa] Gorge Fm, Vermont, USA; SAUKIIDAE; UCAM [j.s.s. of Prosaukia, fide RASETTI, 1946a].
- Stephanocare** MONKE, 1903 [richthofeni] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.
- Stephenaspis** RASETTI, 1951 [bispinosa] Mt Whyte Fm, British Columbia, Canada; ZACANTHOIDIDAE; MCAM.
- Sternbergaspis** SZABAD & VALIČEK in VANĚK & VALIČEK, 2002 [Kingaspis? brdensis FATKA et al., 1992] Jince Fm, Czech Republic; AGRAULIDAE; MCAM.
- Sthenarocalymene** SIVETER, 1977 [lirella] Vollen Fm, Norway; CALYMENIDAE; UORD.
- Stigmacephaloides** ELLINWOOD in BELL & ELLINWOOD, 1962 [curvabilis] Wilberns Fm, Texas, USA; PARABOLINOIDIDAE; UCAM.
- Stigmacephalus** RESSER, 1937b [Conocephalites oweni HALL, 1863] Franconia Fm, Wisconsin, USA; DIKELOCEPHALIDAE; UCAM.
- Stigmadiscus** RASETTI, 1966 [stenometopus] *Acimetopus bilobatus* Faunule, New York, USA; WEYMOUTHIIDAE; LCAM.
- Stigmagnostus** POULSEN, 1960 [Tomagnostus canotensis RUSCONI, 1951] *Bolaspidella* Zone, Argentina; CLAVAGNOSTIDAE; MCAM [j.s.s. of Clavagnostus, fide SHERGOLD et al., 1990].
- Stigmametopus** RASETTI, 1944 [levisensis] Levis Fm, Quebec, Canada; SHUMARDIIDAE; UCAM.
- Stigmaspis** NELSON, 1951 [hudsonensis] Franconia Fm, Wisconsin, USA; SAUKIIDAE; UCAM.
- Stigmatoa** ÖPIK, 1963 [diloma] Pomegranate Lst, Queensland, Australia; EULOMIDAE; UCAM.
- Stiktocybele** INGHAM & TRIPP, 1991 [bathytera] Doularg Fm, Scotland; ENCRINURIDAE; UORD.
- Stoecklinia** WOLFART, 1974a [spinosa] Sanshih Fm, SE Iran; PTYCHOPARIIDAE; LCAM.
- Stoermeraspis** PRANTL & PŘIBYL, 1947b [Bronteus franconicus GÜMBEL, 1879] Orthocerenkalk, Elbersreuth, Frankenwald, Germany; STYGINIDAE; USIL [replacement name for Stoermeria; j.s.s. of Octobronteus, fide RICHTER & RICHTER, 1956].
- Stoermeria** PRANTL & PŘIBYL, 1947a [preocc., replaced by Stoermeraspis].
- Strenax** ÖPIK, 1975b [cerastes] Cymbric Vale Fm, New South Wales, Australia; ESTAINGIIDAE; LCAM [j.s.s. of Hsuaspis (=Estaingia), fide JAGO et al., 1997].
- Strenuaeua** RICHTER & RICHTER, 1940 [Arionellus primaeva BRÖGGER, 1878] Holmia Sh, Tømten, Ringsaker, Norway; ELLIPSOCEPHALIDAE; LCAM.
- Strenuella**, MATTHEW, 1887 [Agraulos strenuus BILLINGS, 1874] SE Newfoundland, Canada; ELLIPSOCEPHALIDAE; LCAM.
- Strettonia** COBBOLD, 1931a [comleyensis] *Protolenus* Lst, England; DORYPYGIDAE; LCAM.
- Strictagnostus** SHERGOLD, 1975 [Geragnostus (Strictagnostus) chronius] Chatsworth Lst, Queensland, Australia; AGNOSTIDAE; UCAM.
- Strigambitus** PALMER, 1965 [transversus] Dunderberg Fm, Nevada, USA; PTEROCEPHALIIDAE; UCAM.
- Strigigenalis** WHITTINGTON & ROSS in WHITTINGTON, 1953 [cassinensis WHITTINGTON, 1953] Fort Cassin Fm, Vermont, USA; BATHYURIDAE; LORD.
- Strotaectinus** BRADLEY, 1925 [Amphion salteri BILLINGS, 1861b] Oxford Fm, Ontario, Canada; PLIOMERIDAE; LORD.
- Strotocephala** RAYMOND, 1937 [howelli] Gorge Fm, Vermont, USA; PLETHOPELTIDAE; UCAM.
- Strotocephalus** RESSER, 1935 [gordonensis] Gordon Sh, Montana, USA; ALOKISTOCARIDAE; MCAM [j.s.s. of Amecephalus, fide SUNDBERG, 1999].
- Strototropis** RAYMOND, 1937 [laeviuscula] Highgate Fm, Vermont, USA; PLIOMERIDAE; UCAM [j.s.s. of Protopliomerops, fide ROSS, 1951].
- Struszia** EDGEcombe, RAMSKÖLD & CHATTERTON in EDGEcombe & CHATTERTON, 1993 [Cryptonymus obtusus ANGELIN, 1851] Hemse & Eke Fms, Gotland, Sweden; ENCRINURIDAE; USIL.

- Struveaspis** ALBERTI, 1966 [Phacops micromma ROEMER, 1854] Wissenbach Sh, Lerbach, W Harz Mts, Germany; PHACOPIIDAE; MDEV.
- Struveops** CRÖNIER & FEIST, 2000 [Cryphops schlosseri RICHTER & RICHTER, 1955] Taltitz, E Thuringian Slate Mts, Germany; PHACOPIDAE; UDEV.
- Struveproetus** FEIST in FEIST et al., 2000 [ocellatus] Hangenberg Black Sh, Apricke, Sauerland, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Struveria** RICKARDS, 1964 [howgillensis] Cumbria, England; DALMANITIDAE; LUSIL.
- Stubblefieldia** PRANTL & PŘIBYL, 1947c [Chirurus neglectus BARRANDE, 1852] Králův Dvůr Fm, Czech Republic; CHEIRURIDAE; UORD.
- Stummiana** LIEBERMAN & KLOC, 1997 [Greenops arkonensis STUMM, 1953a] Arkona Sh, Ontario, Canada; ACASIIDAE; MDEV.
- Styгина** SALTER, 1853a [Asaphus latifrons PORTLOCK, 1843] Killey Bridge Fm, N Ireland; STYGINIDAE; UORD.
- Styginella** PŘIBYL & VANĚK, 1971b [macrophthalmia] Kazakhstan; STYGINIDAE; UORD.
- Subasaphus** BALASHOVA, 1976 [Asaphus laevisimus var. laticaudata SCHMIDT, 1901] Obuchov Fm, Gostilitsky, Russia; ASAPHIDAE; MORD [j.s.s. of Neosaphus, fide NIELSEN, 1995].
- Subeia** LI in ZHOU et al., 1982 [beishanensis] Shuangyingshan Fm, Gansu, China; ESTAINGIIDAE; LCAM.
- Subitella** REPINA, 1980 [grata] Solontsov Horizon, Altay Sayan, S Siberia, Russia; UNCERTAIN; LCAM.
- Sudanomocarina** JELL in JELL & ROBISON, 1978 [changi] Currant Bush Lst, Queensland, Australia; PROASAPHIDAE; MCAM.
- Sujaraspis** ROMANENKO in CHERNYSHEVA, 1971 [solida] Suyark Horizon, Gorny Altay, S Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Sukhanaspis** LAZARENKO in LAZARENKO & NIKIFOROV, 1968 [gravis] Nganasansk Horizon, NW Siberia, Russia; UNCERTAIN; UCAM.
- Sulcatagnostus** KOBAYASHI, 1937b [Agnostus securiger LAKE, 1906] Outwood Sh, England; DIPLAGNOSTIDAE; UCAM [j.s.s. of Pseudagnostus, fide PENG & ROBISON, 2000].
- Sulcocalymene** BALDIS & BALDIS, 1995 [Flexicalymene (Sulcocalymene) trapezoidalis] Las Aguaditas Fm, San Juan, Argentina; CALYMENIDAE; UORD [j.s.s. of Platycalymene, fide EDGEcombe et al., 1998].
- Sulcocephalus** WILSON, 1948 [Talbotina candida RESSER, 1942b] Wilberns Fm, Texas, USA; DOKIMOCEPHALIDAE; UCAM.
- Sulcubole** GRÖNING, 1985 [Phillibole (Liobole) glabroides RICHTER & RICHTER, 1949] Kieselkalk, Warstein, Rhenish Massif, Germany; PROETIDAE; MISS.
- Suludella** EGOROVA & SAVITSKY, 1968 [solita] Mayaian, N Siberia, Russia; CONOKEPHALINIDAE; MCAM.
- Suluktella** HAJRULLINA in REPINA et al., 1975 [inornata] *Sdzuyella-Aegunaspis* Zone, Turkestan; PTYCHOPARIIDAE; MCAM.
- Sunaspidella** W. ZHANG & YUAN, 1981 [rara] Hsichuang Fm, Inner Mongolia, China; SUNASPIDIDAE; MCAM.
- Sunaspis** LU in LU & DONG, 1952 [laevis] Hsichuang Fm, Shandong, China; SUNASPIDIDAE; MCAM.
- Sunia** KOBAYASHI, 1942a [typica] Changhia Fm, Shandong, China; DOLICHOMETOPIIDAE; MCAM [j.s.s. of Amphoton, fide W. ZHANG & JELL, 1987].
- Sunina** STRAND, 1943 [j.o.s. of Anderssonella].
- Sunwaptia** WESTROP, 1986a [carinata] Mistaya Fm, Alberta, Canada; PTYCHASPIDIDAE; UCAM.
- Suriaspis** ACEÑOLAZA & RABANO, 1990 [cachiyuyana] Suri Fm, La Rioja, Argentina; ASAPHIDAE; LORD.
- Suribongia** KIM, 1980 [kuppenrica] Yongsandong Fm, North Korea; CHANGSHANIIDAE; UCAM.
- Suturikephalion** KOBAYASHI & HAMADA, 1982 [Cheiropyge (Suturikephalion) koizumii] Iwazaki Fm, Japan; BRACHYMETOPIIDAE; PERM [j.s.s. of Cheiropyge, fide HAHN & HAHN, 1985].
- Suvorovaaspis** KOROBOV, 1989 [venusta] Akbashinsky Fm, W Mongolia; DOLICHOMETOPIIDAE; LCAM.
- Suyougouia** LIN & ZHANG in ZHU et al., 1979 [granulosa] Gansu, China; SOLENOPLEURIDAE; UCAM.
- Svalbardites** FORTEY, 1974b [hamus] Valhallfona Fm, Spitsbergen; OLENIDAE; LORD.
- Svenax** ÖPIK, 1979 [Agnostus pusillus TULLBERG, 1880] Andrarrum Lst, Sweden; PERONOPSIDAE; MCAM.
- Svobodapeltis** ŠNAJDR, 1957a [Bumastus? avus HOLUB, 1908] Šárka Fm, Czech Republic; ILLAENIDAE; MORD [j.s.s. of Illaenus, fide JAANUSSON in MOORE, 1959].
- Sycophantia** FORTEY, 1980 [seminosa] Valhallfona Fm, Spitsbergen; CHEIRURIDAE; MORD.
- Symphroxochus** ROZOVA in ROZOVA et al., 1985 [proximus] Maslyaninsk Horizon, NW Salair, Russia; NILEIDAE; LORD.
- Symphysops** RAYMOND, 1925 [Aeglina armata BARRANDE, 1872] Králův Dvůr Fm, Czech Republic; CYCLOPYGIDAE; UORD.
- Symphysurina** ULRICH in WALCOTT, 1924a [woosteri] Oneota Dol, Wisconsin, USA; NILEIDAE?; LORD.
- Symphysurinella** RAYMOND, 1937 [corlissensis] Corliss Cgte, Vermont, USA; NILEIDAE; LORD [j.s.s. of Symphysurina, fide HINTZE, 1953].

- Symphysuroides** RAYMOND, 1937 [latus] Corliss Cgte, Vermont, USA; NILEIDAE; LORD [j.s.s. of *Symphysurina*, fide HINTZE, 1953].
- Symphysurus** GOLDFUSS, 1843 [*Asaphus palpebrosus* DALMAN, 1827] *Expansus* Lst, Västana, Östergötland, Sweden; NILEIDAE; MORD.
- Syndianella** LU, 1961 [yunnanensis] Chiungchussu Fm, Yunnan, China; REDLICHIIDAE; LCAM.
- Synhomalonoftus** POMPECKJ, 1898 [*Calymene tristani* BRONGNIART, 1822] *Schistes à Calymènes*, Brittany, France; CALYMENIDAE; MORD [j.s.s. of *Neseuretus*, fide HENRY, 1970].
- Synphoria** CLARKE, 1900 [*Dalmanites* (*Synphoria*) *stemmaus*] *Glenerie* Lst, New York, USA; DALMANITIDAE; LDEV.
- Synphoroides** DELO, 1940 [*Dalmanites* (*Probolium*) *biardi* CLARKE, 1907] *Grande Grève* Fm, Quebec, Canada; DALMANITIDAE; LDEV.
- Syspacephalus** RESSER, 1936 [*Agraulos charops* WALCOTT, 1917] *Mount Whyte* Fm, British Columbia, Canada; PTYCHOPARIIDAE; LCAM [j.s.s. of *Ptychoparella*, fide BLAKER & PEEL, 1997].
- Syspacheilus** RESSER, 1938b [typicalis] *Nolichucky* Fm, Georgia, USA; MARJUMIIDAE; UCAM.
- Szeaspis** W. ZHANG, 1959 [reticulatus] *Changhia* Fm, Shandong, China; PROASAPHISCIDAE; MCAM.
- Szechuanaspis** QIAN & YAO in LU et al., 1974a [*longispinus*] *Shujingtu* Fm, Sichuan, China; YUKONIIDAE; LCAM [j.s.s. of *Hebediscina*, fide JELL, 1997].
- Szechuanella** W. ZHANG & FAN, 1960 [rectangula] *Yumen*, W Gansu, China; LEIOSTEGIIDAE; LORD [see NOTE 8].
- Szechuanella** LU, 1962 [szechuanensis] *Nantsinkuan* Fm, Sichuan, China; LEIOSTEGIIDAE; LORD [preoc., not replaced; j.s.s. of *Paraszechuanella*; see NOTE 8].
- Szechuanolenus** ZHANG & ZHU in YIN & LI, 1978 [*nanjiangensis*] *Mingxinsi* Fm, Guizhou, China; ESTANGIIDAE; LCAM.
- Tabalqueia** RUSCONI, 1958 [punctata] *Mendoza*, Argentina; SOLENOPLEURIDAE; UCAM.
- Tabatopygellina** SIVOV in EGOROVA et al., 1955 [*babakoviensis*] *Babakov* Fm, W Sayan, Russia; DORYPYGIDAE; LCAM.
- Tadakoustia** GEYER, 1990 [hupei] *Issafen* Fm, Morocco; ELLIPSOEPHALIDAE; LCAM.
- Tadjikia** HAJRULLINA, 1973 [bulba] *Pianaspis recta* Zone, Uzbekistan; DORYPYGIDAE; MCAM.
- Taemasaspis** CHATTERTON, 1971 [*Primaspis* (*Taemasaspis*) *campbelli*] *Taemas* Fm, New South Wales, Australia; ODONTOPLEURIDAE; LDEV.
- Taenicephalina** RASETTI, 1945c [*lechevalieri*] *Levis* Fm, Quebec, Canada; DOKIMOCEPHALIDAE; UCAM.
- Taenicephalites** RASETTI, 1961 [macrops] *Frederick* Lst, Maryland, USA; APHELASPIDIDAE; UCAM.
- Taenicephalops** ERGALIEV, 1980 [*kyrshabactensis*] *Malokaratau* Fm, Kazakhstan; PARABOLINOIDIDAE; UCAM.
- Taenicephalus** ULRICH & RESSER in WALCOTT, 1924b [*Conocephalites shumardi* HALL, 1863] *Franconia* Fm, Wisconsin, USA; PARABOLINOIDIDAE; UCAM.
- Taenora** PALMER, 1960 [expansa] *Dunderberg* Fm, Nevada, USA; APHELASPIDIDAE; UCAM.
- Tafilaltaspis** ALBERTI, 1966 [*Cornuproetus* (*Tafilaltaspis*) *creber*] "Dunbankige Kalkmergel mit *Goniatiten*", *Tafilalt*, Morocco; TROPIDOCORYPHIDAE; MDEV.
- Tafnaspis** LEANZA & BALDIS, 1975a [*iglesiasii*] *Acoite* Fm, Jujuy, Argentina; TELEPHINIDAE; LORD [j.s.s. of *Carolinites*, fide ADRAIN, herein].
- Tagazella** ROMANENKO in GONCHAROVA et al., 1972 [minuta] *Tandoshan* Fm, Salair, Russia; RAYMONDINIDAE; MCAM.
- Tagenarella** LAZARENKO, 1968 [*emiseica*] *Chopkina* Fm, NW Siberia, Russia; LLANOASPIDIDAE; UCAM.
- Taiancephalus** SUN, 1924 [*grabau*] *Changshan* Fm, Shandong, China; KAOLISHANIIDAE; UCAM.
- Taiganella** REPINA in KHALFIN, 1960 [minuta] *Babakov* Lst, W Sayan, Russia; AGRAULIDAE; MCAM.
- Taihangshania** J. ZHANG & WANG, 1985 [preoc., replaced by *Taihangshaniashania*].
- Taihangshaniashania** JELL nov. [*shanxiensis*] *Kushan* Fm, Shanxi, China; DAMESELLIDAE; UCAM [replacement name for *Taihangshania*].
- Taihungshania** SUN, 1931 [*shui*] *Sichuan*, China; TAIHUNGSHANIIDAE; LORD.
- Taijiangia** YUAN & ZHAO in YUAN et al., 2002 [*Balangcunaspis* (*Taijiangia*) *truncata*] *Kaili* Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Taijiangocephalus** YUAN & ZHAO in YUAN et al., 2002 [*gedongensis*] *Kaili* Fm, Guizhou, China; ORYCTOCEPHALIDAE; MCAM.
- Taimyraspis** BALASHOVA, 1959a [*taimyricus*] *Toll* Fm, Taimyr, Russia; ISOCOLIDAE; MORD.
- Taipaikia** KOBAYASHI, 1960b [*Paramansuyella glabra* ENDO, 1937] *Fengshan* Fm, Liaoning, China; TSINANIIDAE; UCAM.
- Taishania** SUN, 1935 [*taianensis*] *Changshan* Fm, Shandong, China; REMOPEURIDIDAE; UCAM.
- Taitzehoia** ZHU, 1959 [*wangi*] *Kushan* Fm, Liaoning, China; DAMESELLIDAE; UCAM.
- Taitzuia** RESSER & ENDO in KOBAYASHI, 1935c [*insueta*] *Changhia* Fm, Liaoning, China; ORDOSIIDAE; MCAM.
- Taitzuina** W. ZHANG & YUAN, 1981 [*lubrica*] *Hsuchuang* Fm, Shanxi, China; ORDOSIIDAE; MCAM.
- Taklamakania** W. ZHANG, 1979 [*tarimensis*] *Engan* Fm, Xinjiang, China; RAPHIOPHORIDAE; UORD.

- Talacastops** EDGECOMBE et al., 1994 [zarelae] Talacasto Fm, Argentina; CALMONIIDAE; LDEV.
- Talbotina** LOCHMAN, 1938b [degrasensis] Petit Jardin Fm, W Newfoundland, Canada; LONCHOCEPHALIDAE; UCAM.
- Talbotinella** POULSEN, 1960 [communis] *Bolaspidella* Zone, Argentina; OLENIDAE; MCAM.
- Talus** HAAS, 1968 [Acastoides (Talus) bithynica] Soganli Fm, Turkey; ACASTIDAE; LDEV.
- Tamaranella** ROZOVA, 1963 [bella] Tavgiysky Horizon, NW Siberia, Russia; APHELASPIDIDAE; UCAM [j.s.s. of Nganasanella, fide JAGO, 1987].
- Tambakia** KOBAYASHI & HAMADA, 1970 [enigma] upper Tambak River, central Kedah, NW Malaya; INDET; UORD [very doubtfully included as trilobite].
- Tamdaspis** LISOGOR, 1977a [tamdensis] Shabaktin Fm, Kazakhstan; CERATOPYGIDAE; UCAM.
- Tangbailaspis** XIANG & ZHANG in T. ZHANG, 1983 [beijiangensis] Tangbai, Xinjiang, China; PHACOPIIDAE; LDEV.
- Tangjiaella** QIU in QIU et al., 1983 [bilira] Tangcun Fm, Anhui, China; KAOLISHANIIDAE; UCAM.
- Tangshanaspis** ZHOU & ZHANG, 1978 [zhaogezhuangensis] Fengshan Fm, Hebei, China; MISSISQUOIDAE; UCAM [j.s.s. of Missisquoia (=Parakoldimioidea), fide LUDVIGSEN, 1982].
- Tangshihella** HUPÉ, 1953c [Bailiella ulrichi] RESSER & ENDO, 1937] Hsuehuang Fm, Liaoning, China; CONOCORYPHIDAE; MCAM [j.s.s. of Bailiella, fide W. ZHANG & JELL, 1987].
- Tangshihlingia** ZHU, 1959 [subtriangulata] Kushan Fm, Liaoning, China; DICERATOCEPHALIDAE; UCAM.
- Tangwangzhaia** M. ZHANG & PENG, 1998 [tangwangzhaensis] Changshan Fm, Shandong, China; SOLENOPLEURIDAE; UCAM.
- Tangyaia** LU in LU et al., 1974a [scutelloides] Miaopo Fm, Hubei, China; ASAPHIIDAE; UORD [j.s.s. of Lisogorites, fide ZHOU et al., 1995].
- Taniaspidella** SEMASHKO in CHERNYSHEVA, 1971 [eleganta] Suyark Horizon, S Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Tankhella** CHERNYSHEVA, 1961 [devexa] Amgarian, Siberia, Russia; PROASAPHISCIDAE; MCAM.
- Tannudiscus** POKROVSKAYA, 1959 [tannuolaicus] Shiveliksky Fm, Tuva, Russia; WEYMOUTHIIDAE; LCAM.
- Tannuolaspis** ZADOROZHNYA in ZHURAVLEVA et al., 1967 [longa] Bograd Horizon, Tuva, Russia; ESTAINGIIDAE; LCAM [j.s.s. of Pararaia, fide JELL in BENGTON et al., 1990].
- Tanybregma** JELL & STAIT, 1985 [tasmaniensis] Florentine Valley Fm, Tasmania, Australia; HYSTRICURIDAE; LORD.
- Taoyuania** LIU in ZHOU et al., 1977 [xenisma] Panji-zui Fm, Hunan, China; HYSTRICURIDAE?; LORD.
- Tapinocalymene** SIVETER, 1980 [Calymene nodulosa SHIRLEY, 1936] Coalbrookdale Fm, England; CALYMENIDAE; LSIL.
- Tarayagnostus** SUÁREZ SORUCO, 1975 [corrugatus] *Parabolina argentina* Zone, Bolivia; DIPLAGNOSTIDAE; LORD [j.s.s. of Machairagnostus, fide NIELSEN, 1997].
- Tarijactinoides** SUÁREZ SORUCO, 1971 [jarcasensis] Gamoneda Fm, Bolivia; CALMONIIDAE; LDEV.
- Tarimella** W. ZHANG, 1979 [bituberculata] Saergan Fm, Kalpin, Xinjiang, China; SHUMARDIIDAE; LORD.
- Tariceoia** HAMMANN et al., 1990 [arruscensis] Monte Argentu Fm, Sardinia, Italy; NEKTASPIDA; MUORD.
- Tarynaspis** REPINA in KHOMENTOVSKY & REPINA, 1965 [brevis] Taryn Horizon, Siberia, Russia; NAMANOIIDAE; LCAM.
- Tasagnostus** JAGO, 1976 [debori] *Lejopyge laevigata* Zone, Tasmania, Australia; DIPLAGNOSTIDAE; MCAM [j.s.s. of Diplagnostus, fide PENG & ROBISON, 2000].
- Tasmanaspis** KOBAYASHI, 1940a [lewisi] Florentine Valley Fm, Tasmania, Australia; HYSTRICURIDAE; LORD.
- Tasmanocephalus** KOBAYASHI, 1936d [Conocephalites? stephensi] ETHERIDGE, 1883] Caroline Ck Sst, Tasmania, Australia; MISSISQUOIDAE; LORD.
- Tatonaspis** KOBAYASHI, 1935a [alaskensis] Jones Ridge Lst, Alaska, USA; ILLAENURIDAE; UCAM.
- Tatulaspis** IVSHIN, 1956 [princeps] Kuyandinsky Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Tavsania** ROBISON, 1988 [ditrema] Holm Dal Fm, NW Greenland; MENOMONIIDAE; MCAM.
- Tawstockia** BRAUCKMANN, 1974 [Spatulina longispina PRENTICE, 1967] Coddon Hill Chert Fm, England; PROETIDAE; MISS.
- Taxioura** RESSER, 1939b [typicalis] Langston Lst, Idaho, USA; OGYGOPSIDAE; MCAM [j.s.s. of Oygopsis, fide RASETTI, 1951].
- Taynaella** SPASSKIJ, 1989 [insolita] Propaschynskaya Fm, Novaya Zemlya, N Russia; PROETIDAE; LDEV.
- Tchabdanina** EGOROVA in EGOROVA et al., 1982 [tchupachini] Ust-Maisk Fm, Siberia, Russia; INDET; MCAM.
- Tchaispiss** KOROBV, 1966b. [sdzuyi] Olenek Horizon, Siberia, Russia; CONOCORYPHIDAE; MCAM.
- Tcherkesovia** SPASSKIJ, 1989 [prima] Propaschynskaya Fm, Novaya Zemlya, N Russia; PROETIDAE; LDEV.

- Tchernyshevioides** HAJRULLINA in REPINA et al., 1975 [ninae] Amgaiian, Tian-Shan, Central Asia; HEBEDISCIDAE; LCAM.
- Tchukeraspis** ROZOVA in ROZOVA et al., 1985 [tchukeri] Chupinsk Fm, NW Salair, Russia; ASAPHIDAE; LORD.
- Tchuostachia** KHRAMOVA, 1973 [grandis] Chukuksk Fm, E Siberia, Russia; DOKIMOCEPHALIDAE; MCAM.
- Tegopelte** SIMONETTA & DELLE CAVE, 1975 [gigas] Burgess Sh, British Columbia, Canada; NEKTASPIDA; MCAM.
- Teichertops** STRUVE, 1992 [bardenheueri] Cuerten Fm, Eifel, Germany; PHACOPIDAE; MDEV.
- Teinistion** MONKE, 1903 [lansi] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.
- Telaomarrolithus** WILLIAMS, 1948 [Trinucleus radiatus] MURCHISON, 1839] Llandeilo, Wales; TRINUCLEIDAE; UORD.
- Telephina** MAREK, 1952 [Telephus fractus] BARRANDE, 1852] Králův Dvůr Fm, Czech Republic; TELEPHINIDAE; UORD.
- Telephops** NIKOLAISEN, 1963 [Telephus granulatus] ANGELIN, 1854] Elnes Fm, Norway; TELEPHINIDAE; MORD.
- Telephus** BARRANDE, 1852 [preocc., replaced by Telephina].
- Telesiops** RAFINESQUE, 1832 [leiocephalus] [see NOTE 2].
- Teljanzella** REPINA, 1973 [praegracilis] *Kochaspis-Orienturus* Zone, Far Eastern Siberia, Russia; ORYCTOCEPHALIDAE; MCAM.
- Tellerina** ULRICH & RESSER, 1933 [Dikelocephalus crassimarginatus] WHITFIELD, 1882] St Lawrence Fm, Wisconsin, USA; SAUKIIDAE; UCAM.
- Temnoura** RESSER & ENDO in KOBAYASHI, 1935c [granosa] ?Wanwan Fm, Liaoning, China; CREPICEPHALIDAE; MCAM.
- Tengfengia** XIANG, 1962 [latilimbata] Hsuehuang Fm, Hunan, China; PROASAPHISCIDAE; MCAM.
- Tentagnostus** SUN, 1989 [adchinensis] Changshan Fm, Liaoning, China; AMMAGNOSTIDAE; UCAM [j.s.s. of Ammagnostus, fide PENG & ROBISON, 2000].
- Tenuipeltis** LÜTKE, 1965 [tenuicosta] Wieda, W Harz Mts, Germany; STYGINIDAE; LDEV.
- Terataspis** HALL, 1863b [Lichas grandis] HALL, 1861a] Schoharie Fm, New York, USA; LICHIDAE; LDEV.
- Teratoptura** XIANG & ZHANG, 1985 [decora] Kensay Fm, Xinjiang, China; PROASAPHISCIDAE; MCAM.
- Teratorhynchus** REED, 1903 [Remopleurides (Teratorhynchus) bicornis] Balclatchie Fm, Scotland; REMOPLEURIDIDAE; UORD.
- Terechtaspis** REPINA, 1960 [coronaria] Kameshkov Fm, E Sayan, Russia; CHENGKOUASPIDIDAE; LCAM.
- Termieraspis** REPINA, 1960 [poletaevae] Kolbinsk Fm, E Sayan, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Termierella** HUPÉ, 1953a [latifrons] Issafen Fm, Morocco; ELLIPSOCEPHALIDAE; LCAM.
- Terranovella** LOCHMAN, 1938b [obscura] Shallow Bay Fm, W Newfoundland, Canada; LONCHOCEPHALIDAE; UCAM.
- Terranovia** MAKSIMOVA, 1977a [nalivkini] Valnevs'k Horizon, Novaya Zemlya, N Siberia, Russia; LICHIDAE; LDEV.
- Tersella** PETRUNINA, 1973 [strobilata] Taimensk Fm, Kuznetsk Alatau, W Siberia, Russia; HYSTRICURIDAE; LORD.
- Tersiceps** REPINA in REPINA et al., 1964 [pensa] Kuznetsk Alatau, Russia; UNCERTAIN; LCAM.
- Tesselacauda** ROSS, 1951 [depressa] Garden City Fm, Idaho, USA; PLIOMERIDAE; LORD.
- Tetinia** CHLUPÁČ, 1971a [Prantlia minuta] PŘIBYL & VANĚK, 1962] Tetin, Beroun, Czech Republic; PROETIDAE; USIL.
- Tetraceroura** W. ZHANG, 1963 [chengshanensis] Changhia Fm, Hebei, China; CREPICEPHALIDAE; MCAM.
- Tetracnemis** HAWLE & CORDA, 1847 [elegantula] Jince Fm, Czech Republic; SOLENOPLEURIDAE; MCAM [j.s.s. of Sao, fide ŠNAJDR, 1958a].
- Tetranocephalus** REPINA in KHOMENTOVSKY & REPINA, 1965 [gratus] Pestrotsvet Fm, Siberia, Russia; AGRAULIDAE; LCAM.
- Tetralichas** PHLEGER, 1936 [Lichas laevis] EICHWALD, 1857] Baltic Russia; LICHIDAE; MORD [j.s.s. of Amphilichas, fide WARBURG, 1939].
- Tetrapsellium** HAWLE & CORDA, 1847 [pulchrum] Vinice Fm, Czech Republic; TRINUCLEIDAE; UORD.
- Tewonia** ZHOU in ZHOU et al., 1982 [clavata] Zhugqu Fm, Gansu, China; ENCRINURIDAE; LSIL.
- Thaiaspella** KOBAYASHI & HAMADA, 1978d [Thaiaspis (Thaiaspella) aliger] Huai Luang Sh, Thailand; PROETIDAE; PENN.
- Thaiaspis** KOBAYASHI, 1961 [sethaputi] Huai Luang Sh, Thailand; PROETIDAE; PENN.
- Thailandium** KOBAYASHI, 1957a [solum] Tarutao Island, Thailand; SAUKIIDAE; UCAM.
- Thalabaria** ENGEL & MORRIS, 1989 [Cyrtoproetus planus] ENGEL & MORRIS, 1980] Ararat Fm, New South Wales, Australia; PROETIDAE; MISS.
- Thaleops** CONRAD, 1843 [ovata] Maquoketa Fm, Iowa, USA; STYGINIDAE; UORD.
- Theamataspis** ÖPIK, 1937 [illaenoides] Kukruse Fm, Estonia; STYGINIDAE; MORD.
- Thebanaspis** LÜTKE, 1990 [thebana] Edgewood Lst, Illinois, USA; PROETIDAE; LSIL.
- Thecalymene** WHITTINGTON, 1971b [Calymene mammillata] HALL, 1861b] Maquoketa Fm, Iowa, USA; CALYMENIDAE; UORD.

- Theodenisia** CLARK, 1948 [*Denisia eminens* CLARK, 1924] Levis Fm, Quebec, Canada; CATILLICEPHALIDAE; UCAM.
- Thigriffides** HESSLER, 1965 [*Proetus roundyi* var. *roundyi* GIRTY, 1926] Chappel Lst, Texas, USA; PROETIDAE; MISS.
- Tholifrons** PALMER, 1968 [*advena*] Jones Ridge Lst, Alaska, USA; ?DICERATOCEPHALIDAE; UCAM.
- Tholus** PEGEL in GINTSINGER et al., 1986 [*rectus*] Irbiteisk Fm, Tuva, Russia; AGRAULIDAE; LCAM.
- Thomastus** ÖPIK, 1953 [*thomastus*] Wapentake Fm, Victoria, Australia; STYGINIDAE; LSIL.
- Thomondia** HARPER, 1942 [*globosa*] Ballyvorgan Group, Ireland; SHUMARDIIDAE; UORD.
- Thompsonaspis** DEISS, 1939 [*obscura*] Steamboat Lst, Montana, USA; ALOKISTOCARIDAE; MCAM [j.s.s. of *Parehmania*, fide HOWELL in MOORE, 1959].
- Thoracoceare** ROBISON & CAMPBELL, 1974 [*Vistoia* ? *minuta* RESSER, 1939a] Spence Sh, Idaho, USA; ZACANTHOIDIDAE; MCAM.
- Thoralaspis** HUPÉ, 1953a [*Olenopsis thoralis* COBBOLD, 1931b] Montagne Noire, France; ELLIPSOCEPHALIDAE; LCAM.
- Thoralocolus** PILLET & COURTESOLE, 1985 [*Aegalina azaizi* THORAL, 1935] Montagne Noire, France; ISOCOLIDAE; LORD.
- Thoralocoryphe** COURTESOLE, PILLET & VIZCAÍNO in COURTESOLE et al., 1983 [*escudici*] Schistes de Landeyran, Montagne Noire, France; CALYMENIDAE; LORD [j.s.s. of *Colpocoryphe*, fide COURTESOLE et al., 1991].
- Thorslundops** PŘIBYL & VANĚK, 1981b [*Harpes dalecarlicus* THORSLUND, 1930] Boda Lst, Dalarna, Sweden; HARPETIDAE; MORD [j.s.s. of *Hibbertia*, fide EBACH & McNAMARA, 2002].
- Thulincola** TRIPP, 1962 [*barbarus*] Confinis Fm, Scotland; PHAROSTOMATIDAE; MORD.
- Thuringaspis** STRUVE, 1962 [*Dalmanitina* (*Thuringaspis*) *osiris*] Lederschiefer, Thuringia, Germany; DALMANITIDAE; UORD.
- Thymurus** WHITTARD, 1966 [*incertum*] Mytton Flags Fm, England; UNCERTAIN; LORD.
- Thyanopeltella** KOBAYASHI, 1957b [*Bronteus acanthopeltis* BARRANDE, 1852] Gees, near Gerolstein, Germany; STYGINIDAE; MDEV.
- Thyanopeltis** HAWLE & CORDA, 1847 [*speciosa*] Choteč Lst, Czech Republic; STYGINIDAE; MDEV.
- Thyanopyge** KAYSER, 1898 [*argentina*] San Bernardo Fm, Cerro San Bernardo, Salta, Argentina; ASAPHIDAE; LORD.
- Tianjingshania** ZHOU in ZHOU et al., 1982 [*spinosa*] Xiangshan Fm, Ningxia Hui, China; AGRAULIDAE; MCAM.
- Tianshanocephalus** T. ZHANG, 1981 [*tianshanensis*] Xidashan Fm, Xinjiang, China; ZACANTHOIDIDAE; LCAM.
- Tiantouzhania** LUO, 1983 [*elongata*] Liushui Fm, Yunnan, China; PTEROCEPHALIDAE; UCAM.
- Tibagya** STRUVE, 1958c [*Homalonotus* (*Schizopyge*) *parana* CLARKE, 1913] Tibagy Sst, Paraná, Brazil; CALMONIIDAE; LDEV [replacement name for *Schizopyge*].
- Tibikephalus** PILLET, 1992 [*Apatokephalus tibicen* PŘIBYL & VANĚK, 1980] *Triarthrus tetragonalis* - *Shumardia minutula* Biozone, Azul Pampa, Argentina; REMOPLEURIDIDAE; LORD.
- Tienschihfuia** LU in LU et al., 1976 [*penchiensis*] Yehli Fm, Liaoning, China; PLIOMERIDAE; LORD.
- Tienzhuia** ZHU, 1960c [*gansuensis*] Changhia Fm, Gansu, China; DORYPYGIDAE; MCAM.
- Tilsleyia** HAHN & HAHN, 1996 [*Namuropyge* *glaphyra* TILSLEY, 1988] Milldale Lst Fm, England; AULACOPLEURIDAE; MISS.
- Timnaella** PARNES, 1971 [*eyali*] Hakhilil Fm, Israel; ELLIPSOCEPHALIDAE; LCAM.
- Timoraspis** HAHN & HAHN, 1967 [*Griffithides breviceps* GHEYSELINCK, 1937] Basleo Beds, Timor; PROETIDAE; UPERM.
- Tinaspis** ROBISON & PANTOJA-ALOR, 1968 [*totoyaca*] Tinu Fm, Oaxaca, Mexico; LEIOSTEGIIDAE; LORD.
- Tingocephalus** SUN, 1935 [*granulosus*] Changshan Fm, Shandong, China; KAOLISHANIIDAE; UCAM.
- Tingyuauia** SUN & ZHANG in WENYOU ZHANG, 1937 [*typica*] Hsuehuang Fm, Anhui, China; DINESIDAE; MCAM.
- Tiresias** McCOY, 1846 [*insculptus*] Chair of Kildare Lst Fm, Ireland; ISOCOLIDAE; UORD [*preocc.*, never replaced; s.s.s. of *Holdenia*, fide DEAN, 1962b].
- Tjunggiella** KHRAMOVA, 1980 [*inflata*] Chukusk Fm, E Siberia, Russia; SOLENOPEURIDAE; UCAM.
- Toernquistia** REED, 1896 [*Cyphaspis* (*Toernquistia* [*sic*]) *nicholsoni*] Keisley Lst, England; TOERNQUISTIIDAE; UORD.
- Toernquistina** ROZOVA in ROZOVA et al., 1985 [*rara*] Izyrusk Fm, NW Salair, Russia; TOERNQUISTIIDAE?; MORD.
- Tolanaspis** IVSHIN, 1953 [*almaematrix*] Boshchekul Fm, Kazakhstan; DORYPYGIDAE; MCAM.
- Tolhinella** EGOROVA, 1983 [*varlamovi*] Elgyansk Fm, S Siberia, Russia; REDLICHIIDAE; LCAM.
- Toletanaspis** RABANO, 1989c [*trivignoi*] "Pizarras con Neseuretus," Toledo, Spain; DALMANITIDAE; MORD.
- Tolkienia** LIEBERMAN & KLOC, 1997 [*Comura* (*Comura*) *granulispina* MORZADEC, 1983] Fret Fm, Brittany, France; ACASTIDAE; LDEV.
- Tollaspis** KOBAYASHI, 1935c [*Anomocare pawlowski* SCHMIDT, 1886a] Wiliu River, Siberia, Russia; DINESIDAE; MCAM.
- Tologoja** KOROBOV, 1980 [*subquadrata*] Egyngolsk Fm, NW Mongolia; CALODISCIDAE; LCAM [j.s.s. of *Sinodiscus*, fide JELL, 1997].

- Tolstotchichaspis** ROZOVA, 1960a [grandis] Tolstochikhin Fm, Salair, Russia; PLETHOPELTIDAE; UCAM.
- Tomagnostella** KOBAYASHI, 1939a [Agnostus exsculptus ANGELIN, 1851] Andrarum Lst, Sweden; PTYCHAGNOSTIDAE; MCAM.
- Tomagnostus** HOWELL, 1935c [Agnostus fissus LUNDGREN in LINNARSSON, 1879] *Ptychagnostus gibbus* Zone, Sweden; PTYCHAGNOSTIDAE; MCAM.
- Tomoligns** RAFINESQUE, 1832 [levis] [see NOTE 2].
- Tomorhachis** RESSER, 1938b [spinosa] Nolichucky Fm, Alabama, USA; CLAVAGNOSTIDAE; UCAM [j.s.s. of Clavagnostus, fide SHERGOLD et al., 1990].
- Tongshania** QIU & LIN in QIU et al., 1983 [tongshanensis] Maochuang Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM [j.s.s. of Douposiella, fide JELL & HUGHES, 1997].
- Tongxinaspis** ZHOU, 1981 [polymorpha] Miboshan Fm, Ningxia Hui, China; DIONIDIDAE; MORD.
- Tonkinella** MANSUY, 1916 [flabelliformis] Siao-pin-tchai Horizon, North Vietnam; ORYCTOCEPHALIDAE; MCAM.
- Toragnostus** ROBISON, 1988 [Agnostus bituberculatus ANGELIN, 1851] Andrarum Lst, Sweden; AGNOSTINA FAMILY UNCERTAIN; MCAM [j.s.s. of Glaberagnostus, fide PENG & ROBISON, 2000].
- Torgaschina** REPINA, 1979a [krasnojaria] Baz-aikhsky Fm, S Siberia, Russia; PALAEOLENIDAE; LCAM.
- Torifera** WOLFART, 1974b [triangularis] Surkh Bum, Afghanistan; DICERATOCEPHALIDAE; UCAM.
- Tormesiscus** WAISFELD et al., 1994 [hildae] Talacasto Fm, San Juan, Argentina; CALMONIIDAE; LDEV.
- Torosus** FEDYANINA, 1962 [pospelovi] Kameshkov Fm, S Siberia, Russia; EDELSTEINASPIDIDAE; LCAM.
- Torridella** LOCHMAN & HU, 1962 [migranta] DuNoir Lst, Wyoming, USA; LLANOASPIDIDAE; UCAM [j.s.s. of Nixonella (=Genevievella), fide HU, 1972].
- Tosacephalus** KOBAYASHI & HAMADA, 1974 [fungiformis] Yokokura-yama, Shikoku, Japan; STYGINIDAE; USIL.
- Tosotychia** ÖPIK, 1961 [sors] Roaring Slit, Queensland, Australia; POPYRIASPIDIDAE; MCAM [j.s.s. of Prohedinia, fide W. ZHANG et al., 1995].
- Tostonia** WALCOTT, 1924b [Dicellosephalus iole WALCOTT, 1884a] Hamburg Lst, Nevada, USA; EUREKIIDAE; UCAM.
- Townleyella** ÖPIK, 1967 [townleyi] O'Hara Sh, Queensland, Australia; PTYCHOPARIIDAE; MUCAM.
- Toxochasmops** McNAMARA, 1979 [Trilobites extensus BOECK, 1838] Nakkholmen Fm, Norway; PTERYGOMETOPIDAE; UORD.
- Toxopacops** ZHOU & CAMPBELL, 1990 [costata] Zhushileng Fm, Inner Mongolia, China; PHACOPIIDAE; LDEV.
- Toxotina** POKROVSKAYA in ROMANENKO & ROMANENKO, 1967 [prima] Gorny Altay, S Siberia, Russia; ACROCEPHALITIDAE; UCAM.
- Toxotis** WALLERIUS, 1895 [pusilla] *Lejopyge laevigata* Zone, Sweden; UNCERTAIN; MCAM.
- Trachoparia** W. ZHANG, 1963 [Solenoparia bigranosa ENDO, 1937] Changhia Fm, Liaoning, China; SOLENOPLEURIDAE; MCAM.
- Trachycheilus** RESSER, 1945 [typicale] Bright Angel Sh, Arizona, USA; ALOKISTOCARIDAE; MCAM.
- Trachylichas** GÜRICH, 1901 [j.o.s. of Dieranopeltis].
- Trachyostracus** LORENZ, 1906 [Ptychoparia limbata MATTHEW, 1897a] Stephen Fm, British Columbia, Canada; PTYCHOPARIIDAE; MCAM.
- Tramoria** REED, 1899 [punctata] Tramore Lst Fm, Waterford, Ireland; REMOPLEURIDAE; UORD.
- Trapelocera** HAWLE & CORDA, 1847 [j.o.s. of Ceratocephala].
- Trapezocephalina** REPINA in REPINA et al., 1964 [quadratica] Sanashtykgol Horizon, Kuznetsk Alatau, Russia; UNCERTAIN; LCAM.
- Trautensteinproetus** PILLET, 1969a [Proetus (Cornuproetus) trautensteinensis ERBEN, 1951] zorgensis-Kalk, Harz Mts, Germany; TROPIDOCORYPHIDAE; LDEV [j.s.s. of Xiphogonium, fide VANĚK & VALÍČEK, 2002].
- Trematophorus** BALASHOVA, 1953 [Asaphus eichwaldi SCHMIDT, 1898] Kunda Stage, St Petersburg region, Russia; ASAPHIDAE; LORD [j.s.s. of Neosaphus, fide JAANUSSON in MOORE, 1959].
- Tretaspis** McCOY, 1849 [[Asaphus seticornis HISINGER, 1840] Fjäckå Fm, Dalarna, Sweden; TRINUCLEIDAE; UORD.
- Treveropyge** STRUVE, 1958b [Asteropyge (Asteropyge) prorotundifrons RICHTER & RICHTER, 1943] Stadfelder-Schichten, Eifel, W Germany; ACASTIDAE; LDEV.
- Triadaspis** ÖPIK, 1967 [bigeneris] Mungerebar Lst, Queensland, Australia; CLAVAGNOSTIDAE; MCAM.
- Triangulaspis** LERMONTOVA, 1940 [Ptychoparia meglitzkii TOLL, 1899] Pestrotsvet Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM.
- Triangullina** REPINA in KHOMENTOVSKY & REPINA, 1965 [parvula] Pestrotsvet Fm, Siberia, Russia; ELLIPSOCEPHALIDAE; LCAM [j.s.s. of Triangulaspis, fide JELL, 1997].
- Trianguraspis** QIAN, 1994 [nodus] Changshan Fm, Liaoning, China; SHUMARDIIDAE; UCAM.
- Triarthrella** HALL, 1863 [auroralis] Franconia Fm, Wisconsin, USA; INDET., UCAM.
- Triarthroides** RAYMOND, 1937 [cyclas] Highgate Fm, Vermont, USA; ISOCOLIDAE; LORD.

- Triarthropsis** ULRICH in BRIDGE, 1931 [nitida] Emence Dol, Missouri, USA; CATILLICEPHALIDAE; UCAM.
- Triarthrus** GREEN, 1832 [beckii] Snake Hill Fm, New York, USA; OLENIDAE; UORD.
- Tricopelta** LUDVIGSEN & CHATTERTON, 1982 [mackenziensis] Whittaker Fm, Northwest Territories, Canada; PTERYGOMETOPIIDAE; UORD.
- Tricornotarium** CHATTERTON, 1971 [Otarion (Tricornotarium) struszi] Taemas Fm, New South Wales, Australia; AULACOPLEURIDAE; LDEV [j.s.s. of Maurotarion, fide ADRAIN & CHATTERTON, 1995].
- Tricrepicephalus** KOBAYASHI, 1935c [Arionellus (Bathyurus) texanus SHUMARD, 1861] Riley Fm, Texas, USA; TRICREPICEPHALIDAE; UCAM.
- Trifonella** E. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [salsa] Gorny Altay, S Siberia, Russia; ACROCEPHALITIDAE; MCAM.
- Trigocephalus** DUAN et al., 1999 [trigiformis] Tingzigan Fm, Hunan, China; ALSATASPIDIDAE; UCAM.
- Trigonaspis** SANDBERGER & SANDBERGER, 1850 [Gerastos laevigatus GOLDFUSS, 1843] Eifel, Germany; PROETIDAE; MDEV. [j.s.s. of Proetus, fide RICHTER & STRUVE in MOORE, 1959].
- Trigonaspis** YANG in YANG et al., 1991 [preocc., replaced by Trigonyangaspis].
- Trigonockovia** XIA, 1978 [fornicatus] Linhsiang Fm, Hubei, China; ILLAENIDAE; UORD.
- Trigonoaspis** KOROLEVA, 1961 [fortis] Ul'kentomal, N Kazakhstan; ASAPHIDAE; MORD [j.s.s. of Lisogorites, fide ZHOU et al., 1995].
- Trigonocera** ROSS, 1951 [typica] Garden City Fm, Idaho, USA; ASAPHIDAE; LORD.
- Trigonocercella** HINTZE, 1953 [acuta] Wahwah Fm, Utah, USA; ASAPHIDAE; LORD.
- Trigonoproetus** APOLLONOV, 1974 [triquetrus] Kazakhstan; RORRINGTONIIDAE; UORD [j.s.s. of Rorringtonia, fide FORTEY, 1997].
- Trigonyangaspis** JELL, nov. [hujiensis] Fengjia'ao Fm, Henan, China; PTYCHOPARIIDAE; LMCAM [replacement name for Trigonaspis YANG in YANG et al., 1991].
- Trigrypos** KOBAYASHI, 1940c [Dionide atra SALTER, 1866b] Ty-obry, near Porthmadog, Wales; DIONIDIDAE; UORD [j.s.s. of Dionide, fide WHITTINGTON, 1952b].
- Trilagnostus** SHAH et al., 1995 [kashmirensis] Nutunus Fm, Kashmir; DIPLAGNOSTIDAE; MCAM [?j.s.s. of Baltagnostus, fide JELL, herein].
- Trilobagnostus** HARRINGTON, 1938 [Agnostus innocens CLARK, 1923b] Levis Fm, Quebec, Canada; AGNOSTIDAE; UCAM.
- Trimercephalus** McCOY, 1849 [Trinucleus? laevis MÜNSTER, 1842] Gattendorf, N Bavaria, Germany; PHACOPIDAE; UDEV.
- Trimerolichas** PHLEGER, 1936 [Lichas marginatus LINDSTRÖM, 1885] Högklint Fm, Sweden; LICHIDAE; LSIL.
- Trimerus** GREEN, 1832 [delphinocephalus] Rochester Sh, New York, USA; HOMALONOTIDAE; LSIL.
- Trinepea** PALMER & GATEHOUSE, 1972 [trinodus] Nelson Lst, Antarctica; NEPEIDAE; MCAM [j.s.s. of Penarosa, fide JELL, 1977a].
- Trinia** POLETAEVA in CHERNYSHEVA et al., 1956 [bella] Salair, W Siberia, Russia; CORYNEXOCHIDAE; MCAM.
- Trinodus** McCOY, 1846 [agnostiformis] Caradoc Series, Wexford, Ireland; METAGNOSTIDAE; UORD.
- Trinucleoides** RAYMOND, 1917 [Trinucleus reussi BARRANDE, 1856] Šárka Fm, Czech Republic; DIONIDIDAE; MORD.
- Trinucleus** MURCHISON, 1839 [fimbriatus] Llandeilo Series near Builth, Wales; TRINUCLEIDAE; LORD.
- Triplacephalus** LU & QIAN in ZHOU et al., 1977 [sanduensis] Sandu, Guizhou, China; EULOMIDAE?; LORD [j.s.s. of Amzasskiella, fide PENG, 1984].
- Triplagnostus** HOWELL, 1935c [Agnostus gibbus LINNARSSON, 1869] Exsulans Lst, Västergötland, Sweden; PTYCHAGNOSTIDAE; MCAM [j.s.s. of Ptychagnostus, fide PENG & ROBISON, 2000].
- Trippia** LAMONT, 1978 [penkillensis] Wether Law Linn Fm, Scotland; ENCRINURIDAE; LSIL [see NOTE 4].
- Tripuroctes** KOBAYASHI & HAMADA, 1979 [Neoproetus (Tripuroctes) subovalis] Rat Buri Lst, S Thailand; PROETIDAE; LPERM.
- Tririmagnostus** QIU in QIU et al., 1983 [Pseudagnostus (Tririmagnostus) anhuiensis] Yancun Fm, Anhui, China; DIPLAGNOSTIDAE; UCAM [j.s.s. of Trisulcagnostus, fide SHERGOLD et al., 1990].
- Trisulcagnostus** ERGALIEV, 1980 [trisulcus] Bатырбаian, Kazakhstan; DIPLAGNOSTIDAE; UCAM.
- Trochurus** BEYRICH, 1845 [speciosus] Liteň Fm, Czech Republic; LICHIDAE; LSIL.
- Troedsson** POLETAEVA in KHALFIN, 1960 [Symphysurus? wimani TROEDSSON, 1937] Xiangguletage Fm, Xinjiang, China; NILEIDAE; LORD.
- Tropiconiproetus** ŠNAJDR, 1980 [Proetus multirugosus PŘIBYL, 1966] Slivenec Lst, Czech Republic; PROETIDAE; LDEV.
- Tropicoryphe** ŠNAJDR, 1977 [Prionopeltis memnon HAWLE & CORDA, 1847] Dvorce-Prokop Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Tropidocare** CHLUPÁČ, 1971a [index] Lochkov Fm, Czech Republic; PROETIDAE; LDEV.

- Tropidocoryphe** NOVAK, 1890 [*filicostata*] Bicken, Rhenish Massif, Germany; TROPIDOCORYPHIDAE; MDEV.
- Tropidopyge** HARRINGTON & KAY, 1951 [*Dicellocyphus broggeri*] MOBERG & SEGERBERG, 1906] Björkåsholmen Fm, Öland, Sweden; CERATOPYGIDAE; LORD.
- Truncatometopus** PILLET in BORDET et al., 1960 [*Phacops truncatocaudatus*] PORTLOCK, 1843] Killee Bridge Fm, N Ireland; PTERYGO-METOPIDAE; UORD.
- Trymataspis** ROBISON, 1964 [*depressa*] Marjum Fm, Utah, USA; LONCHOCEPHALIDAE; MCAM.
- Trypaulites** DELO, 1935 [*Dalmania calypso*] HALL, 1861a] Jeffersonville Lst, Ohio, USA; DALMANITIDAE; MDEV.
- Tsaidamaspis** W. ZHANG & FAN, 1960 [*Plesiomegalaspis* (*Tsaidamaspis*) *diarmatus*] Tsaidam Basin, Qinghai, China; ASAPHIDAE; LORD.
- Tschernyschewiella** TOLL, 1899 [*Schmidtella uralica*] TSCHERNYSCHEW, 1893] Urals, Russia; PROETIDAE; LDEV [replacement name for *Schmidtella*].
- Tsinania** WALCOTT, 1914b [*Iliaenurus canens*] WALCOTT, 1913b] Fengshan Fm, Shandong, China; TSINANIIDAE; UCAM.
- TSunyidiscus** W. ZHANG, 1966 [*Hebediscus niutitangensis*] W. ZHANG, 1964a] Shuijingtuo Fm, Guizhou, China; TSUNYIDISCIDAE; LCAM.
- Tsunyilichas** W. ZHANG, 1974 [*pustulosus*] Guanyingqiao Fm, Guizhou, China; LICHIDAE; LSIL [j.s.s. of *Dicranopeltis*, fide THOMAS, 1981].
- Tugurellum** SUN, 1990 [*cameratum*] Fengshan Fm, Hebei, China; KAOLISHANIIDAE; UCAM.
- Tukalandaspis** LAZARENKO in LAZARENKO & NIKIFOROV, 1968 [*egens*] Kulyumbina Fm, NW Siberia, Russia; PTYCHOPARIIDAE; UCAM.
- Tumicephalus** PALMER, 1965 [*depressus*] Dunderberg Fm, Nevada, USA; PTEROCEPHALIDAE; UCAM.
- Tumidulaspis** M. ROMANENKO in ROMANENKO & ROMANENKO, 1967 [*verrucosa*] Gorny Altay, S Siberia, Russia; CATILLICEPHALIDAE; UCAM.
- Tumulina** REPINA, 1960 [*tumidica*] Kameshkov Fm, E Sayan, Russia; DINESIDAE; LCAM.
- Tungtzuella** SHENG in LU, 1957 [*kweichowensis*] Tungtzu Fm, N Guizhou, China; TAIHUNGSHANIIDAE; LORD.
- Tungusella** REPINA, 1960 [*manica*] Olekminsk Fm, E Sayan, Russia; REDLICHINIDAE; LCAM.
- Tuojiangella** DUAN et al., 1999 [*tuojiangensis*] Tingziguang Fm, Hunan, China; CATILLICEPHALIDAE; UCAM.
- Turantyx** PŘIBYL & VANĚK in PŘIBYL et al., 1985b [*Areia fritschi*] BARRANDE, 1872] Dobrotivá Fm, Czech Republic; CHEIRURIDAE; MORD.
- Turcopyge** RICHTER & RICHTER, 1939 [*eduardi*] Kartel Fm, Turkey; ACASPIDAE; LDEV.
- Turgicephalus** FORTEY, 1980 [*falcatus*] Valhallfona Fm, Spitsbergen; STYGINIDAE; MORD.
- Turkestanella** REPINA in REPINA et al., 1975 [*mira*] *Pseudanomocarina* Zone, Turkestan; CHENGKOUIIDAE; MCAM.
- Tuvanella** POKROVSKAYA, 1959 [*gracilis*] Shanggansky Fm, Tuva, Russia; ALDONAIIDAE; LCAM.
- Tuvanellus** KOPTEV, 2001 [*lepidus*] Sanashtykgol Horizon, Kuznetsk Alatau, Russia; ALDONAIIDAE; LCAM.
- Tylotaitzuia** W. ZHANG, 1963 [*Taitzuia granulata*] ENDO, 1944] Changhia Fm, Liaoning, China; ORDOSIIDAE; MCAM.
- Tylotaspis** Q.Z. ZHANG in QIU et al., 1983 [*belura*] Changhia Fm, Anhui, China; PROASAPHISCIDAE; MCAM.
- Tympanuella** SUNDBERG, 1994 [*transversa*] Whirlwind Fm, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Typhlokorynetes** SHAW, 1966 [*Warburgella plana*] RAYMOND, 1937] Highgate Fm, Vermont, USA; UNCERTAIN; LORD.
- Typhloniscus** SALTER, 1856 [*baini*] Gydo Fm, South Africa; CALMONIIDAE; LDEV.
- Typhloproetus** RICHTER, 1913 [*microdiscus*] Ostthuringisches Schiefergebirge, Schlesien, Carnic Alps, Austria; PROETIDAE; UDEV.
- Tzuchiatocnemis** SHENG, 1974b [*tzuchiaensis*] Pupiao Fm, Yunnan, China; PLIOMERIDAE; UORD.
- Ucebia** WALCOTT, 1924b [*ara*] Warrior Lst, Pennsylvania, USA; KINGSTONIIDAE; UCAM [j.s.s. of *Kingstonia*, fide PALMER & PEEL, 1981].
- Udjanelia** SOLOVIEV, 1964 [*sibirica*] Oryctocephalidae Zone, NE Siberia, Russia; ORYCTOCEPHALIDAE; MCAM.
- Uktaspis** KOROBOV, 1963 [*granulata*] Atdabanian, Kharaulakh Range, Siberia, Russia; JAKUTIDAE; LCAM.
- Ulakhanelia** REPINA in REPINA et al., 1974 [*prima*] Sektensk Fm, Siberia, Russia; PALAEOLENIDAE; LCAM.
- Urania** LIN & ZHANG in ZHU et al., 1979 [*quadrata*] Lower Olonbulag Fm, Qinghai, China; PROASAPHISCIDAE; MCAM.
- Ullaspis** WESTERGÅRD, 1948 [*conifrons*] *Lejopyge laevigata* Zone, Sweden; OLENIDAE?; MCAM.
- Ulrichaspis** RASETTI, 1945c [*paradoxa*] Levis Fm, Quebec, Canada; PTYCHOPARIIDAE; UCAM.
- Ulricholithus** BANCROFT, 1949 [*Salterolithus* (*Ulricholithus*) *ulrichi*] Glenburrell Fm, Powys, Wales; TRINUCLEIDAE; UORD [j.s.s. of *Broeggerolithus*, fide DEAN, 1960].
- Ulugtella** PETRUNINA in REPINA et al., 1975 [*turgida*] *Kielanella-Tretaspis* Zone, Turkestan-Alai Mts, Tien-Shan; ILLAENIDAE; UORD.
- Uncaspis** KOBAYASHI, 1935c [*Crepicephalus unca*] WALCOTT, 1916a] Eau Claire Fm, Wisconsin, USA; CREPICEPHALIDAE; UCAM.

- Undillia** ÖPIK, 1982 [rustica] V Ck Lst, Queensland, Australia; DOLICHOMETOPIDAE; MCAM.
- Unguliproetus** ERBEN, 1951 [Proetus unguoides BARRANDE, 1846a] Suchomasty Lst, Czech Republic; PROETIDAE; LDEV.
- Unguloharpes** PRIBYL & VANĚK, 1981b [Trilobites unguula STERNBERG, 1833] Kopanina Fm, Czech Republic; HARPETIDAE; USIL [j.s.s. of Bohemoharpes, fide EBACH & McNAMARA, 2002].
- Unicapeltis** MAKSIMOVA, 1977b [unia] Baskuskan Lst, Altay Sayan, S Siberia, Russia; STYGINIDAE; MDEV.
- Uplandiops** JAANUSSON & RAMSKÖLD, 1993 [calvus] Furudal Lst, Uppland, Sweden; PTERYGOMETOPIDAE; MORD.
- Uralichas** DELGADO, 1892 [Lichas (Uralichas) ribciroi] Valongo Fm, Portugal; LICHIDAE; MUORD.
- Uralops** ANTSYGIN, 1970 [abruptus] Viruan, Ural Mts, Russia; PTERYGOMETOPIDAE; UORD.
- Uraloseutellum** ANTSYGIN & MAKSIMOVA in MAKSIMOVA, 1978a [inessae] Severo-Toshemsk Horizon, E Urals; STYGINIDAE; LDEV.
- Urbanaspis** IVSHIN, 1956 [notabilis] Kuyandinsky Horizon, Kazakhstan; CATILLICEPHALIDAE; UCAM.
- Uriarra** CHATTERTON & CAMPBELL, 1980 [kausi] Walker Volcanics, Australian Capital Territory; ODONTOPLEURIDAE; LSIL.
- Uripes** THOMAS & HOLLOWAY, 1988 [Lichas scutalis SALTER, 1873] Coalbrookdale Fm, England; LICHIDAE; LSIL.
- Urbungaspis** EGOROVA & SAVITSKY, 1968 [pieta] Mayaian, N Siberia, Russia; PROASAPHISCIDAE; MCAM.
- Uromystrum** WHITTINGTON, 1953 [Bathyrellus validus BILLINGS, 1865] Table Point Fm, Newfoundland, Canada; BATHYURIDAE; MORD.
- Ursinella** EDDY & McCOLLUM, 1998 [major] Pioche Sh, Nevada, USA; ZACANTHOIDIDAE; MCAM.
- Ushbaspis** POKROVSKAYA in KELLER & POKROVSKAYA, 1965 [granulata] Ushbaspis limbata Zone, Botoman, Kazakhstan; REDLICHIDAE; LCAM.
- Usoviana** POLETAEVA, 1977b [gourievskii] Orlinogorsk Fm, Salair, Russia; LICHAKEPHALIDAE; MCAM.
- Usovinurus** IVSHIN, 1960 [magnus] Arinichevskoj Fm, Salair, Russia; ANOMOCARIDAE; UCAM.
- Usumunaspis** LAZARENKO, 1962 [convexa] Hebediscus-Judomia Zone, N Siberia, Russia; SOLENOLEURIDAE; LCAM.
- Utagnostus** ROBISON, 1964 [trispinulus] Marjum Fm, Utah, USA; CLAVAGNOSTIDAE; MCAM.
- Utaspis** ROBISON, 1964 [Bathyuriscus marjumensis RESSER, 1935] Marjum Fm, Utah, USA; ALOKISTOCARIDAE; MCAM.
- Utia** WALCOTT, 1924b [curio] Ute Fm, Idaho, USA; UTIIDAE; MCAM.
- Uxunella** ROMANENKO, 1985 [gloriosa] *Glyptagnostus stolidotus* Zone, Gornyy Altay, S Siberia, Russia; PTEROCEPHALIIDAE; UCAM.
- Valdaites** BALASHOVA, 1976 [Ptychopyge aciculatus ANGELIN, 1854] Öland, Sweden; ASAPHIDAE; MORD.
- Valdariops** RÕÖMUSOKS, 2000 [Phacops (Chas-mops) eichwaldi SCHMIDT, 1881] Harju Series, Estonia; PTERYGOMETOPIDAE; UORD.
- Valenagnostus** JAGO, 1976 [Agnostus nudus var. marginata BRÖGGER, 1878] Angermanland, Norway; AGNOSTINA FAMILY UNCERTAIN; MCAM.
- Validaspis** REPINA, 1977 [usitata] Shumninsk Fm, NW Siberia, Russia; PALAEOLENIDAE; LCAM.
- Valongia** PRIBYL & VANĚK, 1984 [Actinopeltis wattisoni CURTIS, 1961] Valongo Fm, Portugal; CHEIRURIDAE; MORD.
- Valtorresia** SHERGOLD & SDZUY, 1991 [volkeri] Valeonchan Fm, Spain; IDAHOIIDAE; UCAM.
- Vandergrachtia** BRAUCKMANN, 1974 [Phillipsia vandergrachtii WOODWARD, 1894] Pendleside Lst, England; PROETIDAE; MISS.
- Vanuxemella** WALCOTT, 1916a [contracta] Gordon Sh, Montana, USA; ZACANTHOIDIDAE; LCAM.
- Varanella** LOCHMAN & HU, 1962 [riaverda] DuNoir Lst, Wyoming, USA; RAYMONDINIDAE; UCAM.
- Variopelta** FRITZ, 1972 [laevis] Sekwi Fm, North West Territories, Canada; PTYCHOPARIIDAE; LCAM.
- Varvaspis** TJERNVIK in TJERNVIK & JOHANSSON, 1980 [j.o.s. of Paramegistaspis].
- Varvia** TJERNVIK, 1956 [Symphysurus breviceps ANGELIN, 1854] Toyen Fm, Sweden; NILEIDAE; LORD.
- Vega** POLETAEVA, 1977a [plana] Salair Fm, Salair, Russia; ASAPHISCIDAE; MUCAM.
- Veliouxia** COURTESSOLE, 1973 [Liostracus couloumanus MIQUEL, 1905] Sehistes Troues, Montagne Noire, France; SOLENOLEURIDAE; MCAM.
- Venusus** KOROBOV, 1989 [vcnula] Burgrasutaisky Fm, W Mongolia; EDELSTEINASPIDIDAE; LCAM.
- Veragraulos** FEDYANINA in CHERNYSHEVA, 1971 [helenae] Amgaian, Salair, Russia; AGRAULIDAE; MCAM.
- Verditerrina** ROBISON, 1988 [lacinia] Holm Dal Fm, NW Greenland; MENOMONIIDAE; MCAM.
- Verkholenella** VASILENKO in KARASEV & LEBED, 1960 [karasevi] Verkholensk Fm, S Siberia, Russia; ASAPHISCIDAE; UCAM.
- Vermilionites** KOBAYASHI, 1955b [bisuleata] Me Kay Group, British Columbia, Canada; HYSTRICURIDAE; LORD [j.s.s. of Hystricurus, fide ZHOU & FORTEY, 1986].

- Vermontella** HOWELL, 1937 [clarae] St Albans Sh, Vermont, USA; PTYCHOPARIIDAE; MCAM.
- Vernaculina** LOCHMAN & HU, 1961 [flexiosa] Du Noir Lst, Wyoming, USA; CEDARIIDAE; UCAM.
- Viaphacops** MAKSIMOVA, 1972 [Phacops pipa HALL & CLARKE, 1888] Onondaga Fm, New York, USA; PHACOPIIDAE; LDEV.
- Vica** POLETAEVA in CHERNYSHEVA, 1971 [diligentis] Mundbash Horizon, Gorny Shoria, S Siberia, Russia; PTYCHOPARIIDAE; MCAM.
- Vicinopeltis** PŘIBYL, 1967 [j.o.s. of Vicinoproetus].
- Vicinoproetus** ALBERTI, 1967a [Proetus vicinus BARRANDE, 1872] Dvorce-Prokop Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Victorisipina** JELL, 1985 [[holmesorum] Digger Is Fm, Victoria, Australia; PILEKIIDAE; LORD.
- Vidria** WELLER, 1944 [vcspa] Word Fm, Texas, USA; PROETIDAE; UPERM.
- Vietnamia** KOBAYASHI, 1960c [Calymene douvillei MANSUY, 1908] Nam Ho Sh, Vietnam; CALYMENIDAE; MORD.
- Vinakainella** RUSCONI, 1953 [asperoensis] Mendoza, Argentina; ORYCTOCEPHALIDAE; MCAM.
- Vinicella** ŠNAJDR, 1957b [Trilobites desideratus BARRANDE, 1846a] Jince Fm, Czech Republic; PARADOXIDIDAE; MCAM [j.s.s. of Paradoxides, fide DEAN & RUSHTON, 1997].
- Vironiaspis** JAANUSSON & RAMSKÖLD, 1993 [Phacops (Pterygometopus) kuckersianus SCHMIDT, 1881] Kukruse Stage, N Estonia; PTERYGOMETOPIIDAE; UORD.
- Viruanaspis** PŘIBYL & VANĚK, 1978 [Proetus (Prionopeltis?) zaleskyi ÖPIK, 1928] Kukruse Stage, Estonia; TROPIDOCORYPHIDAE; UORD [j.s.s. of Stenoblepharum, fide ADRAIN, herein].
- Vistoia** WALCOTT, 1925 [prisca] Chetang Fm, British Columbia, Canada; ZACANTHOIDIDAE; MCAM [j.s.s. of Vanuxemella, fide RASETTI, 1951].
- Vittaella** ALBERTI, 1976b [vitta] Erfoud, S Morocco; PROETIDAE; UDEV.
- Vogdesia** RAYMOND, 1910a [Isotelus? bearsi RAYMOND, 1905a] Crown Point Fm, New York, USA; ASAPHIDAE; UORD.
- Vogesina** WOLFART, 1968 [Acaste devonica A. ULRICH, 1892] Conularid Beds, Chiarumani, Bolivia; CALMONIIDAE; LDEV.
- Voigtaspis** ALBERTI, 1967b [Cornuproetus (Voigtaspis) voigtii] "Princeps" Lst, El-Ghira-Tal, Morocco; TROPIDOCORYPHIDAE; LDEV.
- Vokovicia** ŠNAJDR, 1987b [Dalmania Barroisi NOVÁK in PERNER, 1918] Šárka Fm, Czech Republic; DALMANITIDAE; MORD.
- Volchovites** BALASHOVA, 1976 [simonkovensis] Obuchov Fm, St Petersburg region, Russia; ASAPHIDAE; MORD.
- Volkops** STRUVE, 1959 [volki] Obercn Tonschiefer, Thuringia, Germany; PTERYGOMETOPIIDAE; UORD.
- Volocephalina** PALMER in PALMER & HALLEY, 1979 [connexa] Carrara Fm, Nevada, USA; PTYCHOPARIIDAE; MCAM.
- Vologdinaspis** ILINYCH, 1968 [prima] Torgashino Fm, Eastern Sayan, Russia; JAKUTIDAE; MCAM.
- Volonellus** IVSHIN, 1953 [granulatus] Boshchekul Fm, Kazakhstan; ALDONAHIDAE; MCAM.
- Vysocania** VANĚK & VOKÁČ, 1997 [Zbirovia vaneki ŠNAJDR, 1958b] Bohdalec Fm, Czech Republic; ILLAENIDAE; UORD.
- Waergangia** LIN, 1991 [spectabilis] Fengmuping Fm, Hunan, China; CATILLICEPHALIDAE; MCAM.
- Wafangdiania** M. ZHANG, 1999 [baijiaensis] Changshan Fm, Liaoning, China; SOLENOPLEURIDAE; UCAM.
- Wafangia** LUO, 1974 [lipoensis] Liushui Fm, Yunnan, China; IDAHOIIDAE; UCAM.
- Wagnerispina** GANDL, 1977 [wagneri] Alba Fm, Leon, Spain; PROETIDAE; PENN.
- Waideggula** HAHN, HAHN & SCHNEIDER, 1989 [alobata] Waidegg Fm, Carnic Alps, Austria; PROETIDAE; PENN.
- Waigatchella** MAKSIMOVA, 1970 [Warburgella (Waigatchella) yakovlevi] Waigach Is, arctic Russia; PROETIDAE; USIL.
- Waisfeldaspis** VACCARI, 2001 [beatrizae] San Juan Fm, Argentina; STYGINIDAE; MORD.
- Walcottaspidella** ZHU, 1959 [suni] Kushan Fm, Liaoning, China; MONKASPIDIDAE; UCAM.
- Walcottaspis** ULRICH & RESSER, 1930 [Dikelocephalus vanhornei WALCOTT, 1914a] St Lawrence Fm, Minnesota, USA; DIKELOCEPHALIDAE; UCAM.
- Waldminia** KOCH & LEMKE, 1994 [spinigera] lower Tonschiefer, Ebbe-Sattel, Germany; CYCLOPYGIDAE; MORD.
- Walencrinuroides** LESPÉRANCE & DESBIENS, 1995 [Ceraurus rarus WALCOTT, 1877] Platteville Group, Wisconsin, USA; ENCRINURIDAE; UORD.
- Wallacia** LAMONT, 1978 [Encrinurus expansus HASWELL, 1865] Wether Law Linn Fm, Scotland; ENCRINURIDAE; LSIL.
- Walliserops** MORZADEC, 2001 [trifurcatus] Timrhanrhart Fm, Morocco; ACASTIDAE; LDEV.
- Wanagnostus** QIU in QIU et al., 1983 [anhuiensis] Anhui, China; AGNOSTIDAE; UCAM [j.s.s. of Acmarhachis, fide SHERGOLD et al., 1990].
- Wanbeiaspis** QIU in QIU et al., 1983 [huabeiensis] Manto Fm, Anhui, China; ANTAGMIDAE; LCAM.
- Wandelella** ROBISON, 1988 [compta] Holm Dal Fm, NW Greenland; POPYRIASPIDIDAE; MCAM.
- Wangcunia** PENG et al., 1995 [wangcunensis] Huaqiao Fm, Hunan, China; POPYRIASPIDIDAE; MCAM.

- Wangzishia** SUN in ZHOU et al., 1977 [wangzishiensis] Shuijingtuo Fm. Hubei, China; YUNNANOCEPHALIDAE; LCAM.
- Wanhuaia** YUAN & LI, 1999 [granulosa] Laoyingshan Fm, Anhui, China; PTYCHOPARIIDAE; LCAM.
- Wanliangtingia** LU in LU & ZHANG, 1974 [lobata] Panho Fm, Sichuan, China; REMOPLEURIDIDAE; LORD [j.s.s. of Apatokephalops, fide PENG, 1990].
- Wannania** QIU in QIU et al., 1983 [latilimbata] Changshan Fm, Anhui, China; CERATOPYGIDAE; UCAM.
- Wanneria** WALCOTT, 1910 [Olenellus (Holmia) walcottanus WANNER, 1901] York Fm, Pennsylvania, USA; OLENELLIDAE; LCAM.
- Wanshanxia** RONG & YANG in ZHOU et al., 1977 [wanshanensis] Baojing Fm, Hunan, China; ORDOSIIDAE; MCAM.
- Wanwanaspis** KOBAYASHI, 1966 [Kingstonia semi-eireularis KOBAYASHI, 1933b] Wanwankou Dol, Liaoning, China; KINGSTONIIDAE; UCAM.
- Wanwanoglobus** KOBAYASHI, 1966 [Stenopilus convexus KOBAYASHI, 1933b] Wanwankou Dol, Liaoning, China; KINGSTONIIDAE; UCAM.
- Warburgaspis** PŘIBYL, 1946 [Proetus modestus TÖRNQUIST, 1884] Boda Fm, Dalarna, Sweden; TROPIDOCORYPHIDAE; UORD [j.s.s. of Decoroproetus, fide OWENS, 1970].
- Warburgella** REED, 1931a [Asaphus stokesii MURCHISON, 1839] Mueh Wenlock Lst Fm, England; PROETIDAE; LSIL.
- Warburgella** RAYMOND, 1937 [preocc., replaced by Raymondaspis].
- Warendia** GILBERT-TOMLINSON in HILL et al., 1969 [bidecorata] Nimmaroo Fm, Queensland, Australia; HUNGAIIDAE; LORD.
- Waribole** RICHTER & RICHTER, 1926 [Cyrtosymbole (Waribole) warsteinensis] *Wocklumeria*-Stufe, Kallenhardt, Sauerland, Rhenish Massif, Germany; PROETIDAE; UDEV.
- Wayaonia** LUO, 1974 [hetaopingensis] Hetaoping Fm, Yunnan, China; KAOLISHANIIDAE; UCAM.
- Weania** CAMPBELL in CAMPBELL & ENGEL, 1963 [goldringi] Tuleumba Sst, New South Wales, Australia; PROETIDAE; MISS.
- Weberides** REED, 1942 [Phillipsia mucronata McCOY, 1844] Carboniferous Lst, Tyrone, N Ireland; PROETIDAE; MISS [j.s.s. of Paladin, fide OSMÓLSKA, 1970].
- Weberiphillipsia** OSMÓLSKA, 1970 [Phillipsia kirgisiea WEBER, 1932] Malyi Karatau, Kazakhstan; PROETIDAE; MISS.
- Weberopeltis** MAKSIMOVA in MOORE, 1959 [Bronteus (Thysanopeltis) aculeatus WEBER, 1945] N Ural Mts, Russia; STYGINIDAE; LDEV.
- Wedekindia** SUN, 1935 [preocc. replaced by Wedekindiaspis].
- Wedekindiaspis** XIANG in LU et al., 1965 [cylindrica] Wolungshan Fm, Hebei, China; SAUKIIDAE; UCAM [replacement name for Wedekindia].
- Weeksina** RESSER, 1935 [Asaphiscus ? unispinus WALCOTT, 1916b] Weeks Fm, Utah, USA; LONCHOCEPHALIDAE; UCAM.
- Wegelinia** PŘIBYL & VANĚK, 1981b [Harpes wegelini ANGELIN, 1854] Boda Lst, Dalarna, Sweden; HARPETIDAE; UORD [j.s.s. of Hibbertia, fide EBACH & McNAMARA, 2002].
- Weijiaspis** QIU in QIU et al., 1983 [reflexa] Maoehuang Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM.
- Weishania** ZHU & WITTKÉ, 1989 [constricta] Changshan Fm, Hebei, China; PARABOLINOIDIDAE; UCAM.
- Welleraspis** KOBAYASHI, 1935c [Solenopleura jerseyensis WELLER, 1899] New Jersey, USA; CATILLICEPHALIDAE; UCAM.
- Wenganaspis** YIN in YIN & LI, 1978 [baiyanensis] Mingxinsi Fm, Guizhou, China; REDLICHIIDAE; LCAM.
- Wenganella** YIN in YIN & LI, 1978 [wenganensis] Jindingshan Fm, Guizhou, China; CHENGKOUIDAE; LCAM.
- Wenganlenus** LIN in YIN & LI, 1978 [yongheensis] Niutitang Fm, Guizhou, China; YUNNANOCEPHALIDAE; LCAM.
- Wenkehemnia** RASETTI, 1951 [waleotti] Mount Whyte Fm, British Columbia, Canada; DOLICHOMETOPIDAE; MCAM [j.s.s. of Bathyriseus, fide ROBISON, 1976].
- Wentsuia** SUN, 1935 [granulosa] Changshan Fm, Shandong, China; CHANGSHANIIDAE; UCAM.
- Westergaardella** KOBAYASHI, 1962 [Conokephalina olenorum WESTERGÅRD, 1922] *Parabolinella spinulosa* Zone, Sweden; CONOKEPHALINIDAE; UCAM.
- Westergardia** RAYMOND, 1924 [Boeckia scanica WESTERGÅRD, 1909] Alum Sh, Sweden; OLENIDAE; UCAM.
- Westergardites** TROEDSSON, 1937 [pelturaeformis] Torsuqtagh Fm, Xinjiang, China; OLENIDAE; UCAM.
- Westonaspis** RASETTI, 1945a [laevifrons] Levis Fm, Quebec, Canada; PHYLACTERIDAE; UCAM.
- Westropia** ADRAIN, 1997 [benfieldi] Cape Phillips Fm, Nunavut, Canada; PROETIDAE; LSIL.
- Weyeraspis** HAHN, HAHN & GAWLICK, 1995 [weyeri] Balvium, *sulcata* Zone, Saalfeld, E Thuringian Slate Mts, Germany; PROETIDAE; MISS.
- Weyerites** CRÔNIER & FEIST, 2000 [Phacops (Cryphops?) ensae RICHTER & RICHTER, 1926] Rheinisches Schiefergebirge, Germany; PHACOPIDAE; UDEV.
- Weymouthia** RAYMOND, 1913c [Agnostus nobilis FORD, 1872] Hoppin Sl, Massachusetts, USA; WEYMOUTHIIDAE; LCAM.

- Whitfieldina** RESSER, 1937b [*Conocephalites quadratus* WHITFIELD, 1880] Eau Claire Fm, Wisconsin, USA; NORWOODIIDAE; UCAM [j.s.s. of *Norwoodia*, fide RESSER, 1938c].
- Whittakerites** LUDVIGSEN, 1976 [planatus] Whittaker Fm, Northwest Territories, Canada; CHEIRURIDAE; UORD.
- Whittardolithus** HUGHES et al., 1975 [*Cryptolithus instabilis* HUGHES, 1971] Llanfawr Mdst, Wales; TRINUCLEIDAE; MORD.
- Whittingtonia** PRANTL & PRIBYL, 1949a [*Acidaspis bispinosus* McCOY, 1846] Chair of Kildare Lst, Ireland; ODONTOPLEURIDAE; UORD.
- Whittingtonella** LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989 [martinac] Shallow Bay Fm, Newfoundland, Canada; DOKIMOCEPHALIDAE; UCAM.
- Wilbernia** WALCOTT, 1924b [*Ptychoparia pero* WALCOTT, 1890c] Wilberns Fm, Texas, USA; IDAHOIIDAE; UCAM.
- Wilcoxaspis** WESTROP, 1986a [bulbosa] Mistaya Fm, Alberta, Canada; PTYCHASPIDIDAE; UCAM.
- Williamsina** POULSEN, 1960 [cortesi] *Bolaspidella* Zone, Argentina; ASAPHISCIDAE; MCAM [j.s.s. of *Canotiana*, fide RUSCONI, 1962].
- Wilsonarella** IVSHIN, 1962 [jamesi] Seletinsky Horizon, Kazakhstan; DOKIMOCEPHALIDAE; UCAM.
- Wilsonella** HU, 1968 [pennsylvanica] Warrior Fm, Pennsylvania, USA; CREPICEPHALIDAE; UCAM [j.s.s. of *Coosella*, fide PRATT, 1992].
- Winiskia** NORFORD, 1981 [perryi] Attawapiskat Fm, Ontario, Canada; PROETIDAE; LSIL.
- Winterbergia** HAHN & BRAUCKMANN, 1975a [*Carbonocoryphe hercynica* HAHN, 1967] Erdbach Lst, Bad Grund, W Harz Mts, Germany; PROETIDAE; MISS.
- Witryides** HAHN, HAHN & BRAUCKMANN, 1986 [rosmeria] Ivorium, Tournai, W Belgium; PROETIDAE; MISS.
- Wittekindtia** WOLFART, 1970 [variabilis] Surkh Bum, Afghanistan; PAGODIIDAE; UCAM.
- Wolayella** ERBEN, 1966 [wolayae] Herkunftsschichten, Austria; TROPIDOCORYPHIDAE; LDEV.
- Wolfartaspis** COOPER, 1982 [*Metacryphaeus cornutus* WOLFART, 1968] Belén Fm, Bolivia; CALMONIIDAE; MDEV.
- Wolynaspis** CHERNYSHEVA in KIR'IANOV & CHERNYSHEVA, 1967 [unica] Ukraine; FALLOTASPIDIDAE; LCAM.
- Wongia** SUN, 1924 [triangulata] Kushan Fm, Hebei, China; AVONINIDAE; UCAM.
- Wossekia** RAYMOND, 1916 [*Illaenus katzeri* BARRANDE, 1872] Šárka Fm, Czech Republic; ILLAENIDAE; MORD [j.s.s. of *Ectillaenus*, fide ŠNAJDR, 1957a].
- Wuania** W. ZHANG, 1963 [*Inouyia fongfongensis* W. ZHANG, 1959] Hsuehuang Fm, Hebei, China; WUANIIDAE; MCAM [j.s.s. of *Latilorenzella*, fide W. ZHANG & JELL, 1987].
- Wuanoides** W. ZHANG & YUAN, 1981 [situla] Hsuehuang Fm, Ningxia Hui, China; WUANIIDAE; MCAM.
- Wuchuanella** WU in YIN & LI, 1978 [*Cekovia quadrata* WU, 1977] Lungmachi Fm, Guizhou, China; ILLAENIDAE; LSIL.
- Wudangia** LI in YIN & LI, 1978 [wudangensis] Shilengshui Fm, Guizhou, China; POPYRIASPIDIDAE; MCAM.
- Wuhaina** W. ZHANG & YUAN, 1981 [lubrica] Hsuehuang Fm, Inner Mongolia, China; PTYCHOPARIIDAE; MCAM.
- Wuhuia** KOBAYASHI, 1933a [*Solenopleura belus* WALCOTT, 1905] Fengshan Fm, Shandong, China; DOKIMOCEPHALIDAE; UCAM.
- Wuhushania** W. ZHANG & YUAN, 1981 [cylindrica] Hsuehuang Fm, Inner Mongolia, China; WUANIIDAE; MCAM.
- Wujiajiania** LU & LIN, 1980 [expansa] Siyangshan Fm, Zhejiang, China; OLENIDAE; UCAM.
- Wutaishanaspis** J. ZHANG & WANG, 1992 [orientalis] Changhia Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Wutaishania** J. ZHANG & WANG, 1985 [shaheensis] Hsuehuang Fm, Shanxi, China; AGRAULIDAE; MCAM.
- Wutingaspis** KOBAYASHI, 1944b [tingi] Chiungchussu Fm, Yunnan, China; REDLICHIIIDAE; LCAM.
- Wutingia** ENDO, 1935 [preocc., replaced by *Endoaspis*].
- Wutingshania** ZHU, 1959 [lui] Kushan Fm, Liaoning, China; ANOMOCARIDAE; UCAM.
- Wuxunaspis** YUAN in W. ZHANG et al., 1980a [deltoida] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM [j.s.s. of *Xingrenaspis*, fide W. ZHANG & JELL, 1987].
- Xanionurus** WHITTINGTON & CAMPBELL, 1967 [boucoti] Hardwood Mountain Fm, Maine, USA; ODONTOPLEURIDAE; LUSIL [j.s.s. of *Radiaspis*, fide CHATTERTON & WRIGHT, 1986].
- Xela** JELL in BENTGTON et al., 1990 [drena] Wilkavillina Lst, South Australia; REDLICHIIIDAE; LCAM.
- Xenadoche** HAHN & HAHN, 1982 [dido] Red Lst of 'Erdbach' type, Steeden, Hesse, Rhenish Massif, Germany; PROETIDAE; MISS.
- Xenasaphus** JAANUSSON, 1953 [*Asaphus devexus* EICHWALD, 1840] C1b (Lasnamagi-Uhaku stages), Tallinn, Estonia; ASAPHIDAE; MORD.
- Xenoboloides** BRAUCKMANN, 1987 [*Liobole peregrina* ENGEL & MORRIS, 1980] Flagstaff Sst, New South Wales, Australia; PROETIDAE; MISS.
- Xenocheilos** WILSON, 1949 [minutum] Wilberns Fm, Texas, USA; NORWOODIIDAE; UCAM.
- Xenocybe** OWENS, 1973a [micrommata] Husbergøya Fm, Norway; PROETIDAE; UORD.
- Xenocyclopyge** LU in WANG, 1962 [radiata] Pagoda Fm, Shaanxi, China; CYCLOPYGIDAE; UORD.

- Xenodechenella** PEK & VANĚK, 1991 [chacomansis] Belén Fm, Bolivia; PROETIDAE; LDEV.
- Xenoredlichia** Q.Z. ZHANG in QIU et al., 1983 [Leptoredlichia (Xenoredlichia) suiheensis] Manto Fm, Anhui, China; REDLICHIIDAE; LCAM.
- Xenostegium** WALCOTT, 1924b [Megalaspis belemnurus WHITE, 1877] Pogonip Group, Nevada, USA; ASAPHIDAE; LORD.
- Xestagnostus** ÖPIK, 1967 [legirupa] Georgina Lst, Queensland, Australia; DIPLAGNOSTIDAE; UCAM [j.s.s. of Pseudagnostus, fide PENG & ROBISON, 2000].
- Xialiangshania** ZHEN in LI et al., 1975 [rara] Siliangssu Fm, Shaanxi, China; CHEIRURIDAE; MORD [j.s.s. of Xystocrania, fide PRIBYL et al., 1985b].
- Xianfengia** ZHU & SUN in ZHOU et al., 1977 [puteata] Guangzhuling Fm, Hubei, China; SOLENOLEURIDAE; MCAM.
- Xiangia** PENG, 1987 [taoyuanensis] Huaqiao Fm, Hunan, China; DICERATOCEPHALIDAE; UCAM.
- Xiangqianaspis** ZHOU in W. ZHANG et al., 1980a [hunanensis] Qingzhudong Fm, Hunan, China; ANTAGMIDAE; LCAM.
- Xiangshanaspis** LIN in QIU et al., 1983 [tongshanensis] Hsuehuang Fm, Jiangsu, China; PTYCHOPARIIDAE; MCAM.
- Xiangshania** QIU in QIU et al., 1983 [kiangshanensis] Hsuehuang Fm, Anhui, China; PROASAPHISCIDAE; MCAM.
- Xiangxiia** LIU, 1982 [yongshunensis] Fenxiang, Hunan, China; HUNGAIIDAE; LORD. [j.s.s. of Asaphopsoides, fide PENG, 1990].
- Xiangzhongella** LIU, 1987 [xinshaoensis] Liugiatang Fm, Hunan, China; PROETIDAE; MISS.
- Xiaodaositunia** NAN & ZAN, 1982b [spinosa] Changhia Fm, Liaoning, China; CERATOPYGIDAE; MCAM.
- Xiaofangshangia** QIU, 1980 [divergens] Manto Fm, Jiangsu, China; ANTAGMIDAE; LCAM.
- Xiaomajiella** ZHOU in W. ZHANG et al., 1980a [planimarginis] Lungwangmiao Fm, Yunnan, China; ANTAGMIDAE; LCAM.
- Xiaoshiella** LU & QIAN, 1983a [striata] Changshan Fm, Liaoning, China; PTEROCEPHALIIDAE; UCAM.
- Xichuania** YANG in YANG et al., 1991 [xiuzigouensis] Xijiadian Fm, Henan, China; LISANIIDAE; MCAM.
- Xilingxia** LU in W. ZHANG et al., 1980a [ichangensis] Tianheban Fm, Hubei, China; PTYCHOPARIIDAE; LCAM [j.s.s. of Binodaspis, fide YUAN & ZHAO, 1999].
- Xinanocephalus** LI, 1978 [xinanensis] Hongshiya Fm, Yunnan, China; ASAPHIDAE; LORD.
- Xinglongia** J. ZHANG & WANG, 1985 [hebeiensis] Changhia Fm, Hebei, China; PROASAPHISCIDAE; MCAM.
- Xingrenaspis** YUAN & ZHOU in W. ZHANG et al., 1980a [xingrenensis] Kaili Fm, Guizhou, China; PTYCHOPARIIDAE; MCAM.
- Xingzishania** ZHOU in LI et al., 1975 [lata] Shuijingtuo Fm, Shaanxi, China; REDLICHIIDAE; LCAM.
- Xinhuangaspis** LIU, 1982 [posterus] Xinhuang, Hunan, China; LEIOSTEGIIDAE; LORD.
- Xinjiangia** T. ZHANG, 1981 [yinganensis] Yingan Fm, Xinjiang, China; RAPHIOPHORIDAE; UORD [j.s.s. of Taklamakania, fide W. ZHANG, 1985].
- Xintaia** Q.Z. ZHANG in QIU et al., 1983 [panchegouensis] Kushan Fm, Shandong, China; DAMESELLIDAE; UCAM.
- Xiphogonium** HAWLE & CORDA, 1847 [Proetus loveni BARRANDE, 1846a] Zlichov Lst, Czech Republic; TROPIDOCORYPHIDAE; LDEV.
- Xishuiella** YIN in YIN & LI, 1978 [Mayiella (Xishuiella) xishuiensis] Mingxinsi Fm, Guizhou, China; YINITIDAE; LCAM [j.s.s. of Drepanuroides, fide W. ZHANG et al., 1997].
- Xiuqiella** QIAN & YAO in LU et al., 1974a [rectangula] Shihpai Fm, Sichuan, China; CHENGKOUIDAE; LCAM.
- Xiushanopsis** LI in YIN & LI, 1978 [xiushanensis] Dawan Fm, Sichuan, China; HUNGAIIDAE; LORD.
- Xiushuilithus** ZHOU in LU et al., 1976 [xiushuiensis] Yenwashan Fm, Jiangxi, China; TRINUCLEIDAE; UORD.
- Xiushuiproetus** Q.Z. ZHANG in QIU et al., 1983 [Chuangianoproetus shuangheensis WU, 1977] Xiajiaqiao Fm, Jiangxi, China; PROETIDAE; LSIL.
- Xuanenia** ZHOU in ZHOU et al., 1977 [granulosa] Linhsiang Fm, Hubei, China; PHAROSTOMATIDAE; UORD.
- Xundiania** LUO in LUO et al., 1994 [quadrata] Shuanglongtan Fm, Yunnan, China; ORDOSIIDAE?, LCAM.
- Xuzhouia** QIU, 1980 [zhanglouensis] Manto Fm, Jiangsu, China; ZACANTHOIDIDAE; MCAM.
- Xylabion** LANE, 1971 [Ceraurinus craigensis TRIPP, 1954] Kiln Mdst, Scotland; CHEIRURIDAE; UORD.
- Xyoeax** HOLLOWAY, 1996 [eponcus] Murrindal Lst, Victoria, Australia; STYGINIDAE; LDEV.
- Xystocrania** WHITTINGTON, 1965a [Cheirurus perforator BILLINGS, 1865] Table Cove Fm, Newfoundland, Canada; CHEIRURIDAE; MORD.
- Xystridura** WHITEHOUSE, 1936 [Milesia templetonensis CHAPMAN, 1929] Beetle Creek Fm, Queensland, Australia; XYSTRIDURIDAE; MCAM [replacement name for Milesia].
- Yabeia** RESSER & ENDO in KOBAYASHI, 1935c [laevigata] Changhia Fm, Liaoning, China; SOLENOLEURIDAE; MCAM.
- Yangweizhouia** YUAN & YIN, 1998 [carinata] Chefu Fm, Guizhou, China; DOKIMOCEPHALIDAE; UCAM.

- Yanhaolia** ZHOU et al., 1998a [Pterygomctopus huan-shanensis LU, 1975] Neichiashan Series, Sichuan, China; PTERYGOMETOPIDAE; MORD.
- Yankongia** ZHOU in LU et al., 1974a [dashapoensis] Mingxinsi Fm, Guizhou, China; CHENGKOUIDAE; LCAM [j.s.s. of Zhenbaspis, fide W. ZHANG et al., 1997].
- Yanquetruzia** RUSCONI, 1955b [chupina] Mendoza, Argentina; INDET; UCAM.
- Yanshanaspis** LUO & JIANG, 1985 [yanshanensis] Pojiao Fm, Yunnan, China; PROETIDAE; LDEV.
- Yanshania** J. ZHANG & WANG, 1985 [preocc., replaced by Yanshaniashania].
- Yanshaniashania** JELL nov. [xinglongensis] Changhia Fm, Hebei, China; PROASAPHISCIDAE; MCAM [replacement name for Yanshania].
- Yanshanopyge** GUO & DUAN, 1978 [mirabilis] Kushan Fm, Hebei, China; DAMESELLIDAE; UCAM.
- Yantaiella** QIAN, 1994 [latilimbata] Changshan Fm, Liaoning, China; SHIRAKIELLIDAE; UCAM.
- Yanzhuangia** M. ZHANG & PENG, 1998 [cylindrata] Changshan Fm, Shandong, China; KINGSTONIDAE; UCAM.
- Yaojiayuella** LIN & WU in W. ZHANG et al., 1980b [ocellata] Maochuang Fm, Shanxi, China; PTYCHOPARIIDAE; MCAM.
- Yaopuia** GUO & DUAN in GUO et al., 1982 [tianshifuensis] Yehli Fm, Liaoning, China; LEIOSTEGIIDAE; LORD.
- Yarmakaspis** LISOGOR, 1977a [grygori] Shabaktin Fm, Kazakhstan; LEIOSTEGIIDAE; UCAM.
- Ybexaspis** PŘIBYL & VANĚK in PŘIBYL et al., 1985 [misspelling of Ibexaspis].
- Yeshanaspis** ZHU & JIANG, 1981 [subconicus] Mufushan Fm, Jiangsu, China; ELLIPSOCEPHALIDAE; LCAM.
- Yichangaspis** XIANG & ZHOU, 1987 [yichangensis] Lungmachi Fm, Hubei, China; PROETIDAE; LSIL.
- Yiliangaspis** LUO in LUO et al., 1994 [yiliangensis] Tsanglangpu Fm, Yunnan, China; PTYCHOPARIIDAE; LCAM [j.s.s. of Gunnia, fide YUAN & ZHAO, 1999].
- Yiliangella** W. ZHANG, 1966 [forficula] Tsanglangpu Fm, Yunnan, China; GIGANTOPYGIDAE; LCAM.
- Yiliangellina** W. ZHANG, 1966 [formosa] Tsanglangpu Fm, Yunnan, China; GIGANTOPYGIDAE; LCAM.
- Yinaspis** W. ZHANG & FAN, 1960 [granulatus] Gansu, China; UNCERTAIN; LORD.
- Yinganaspis** T. ZHANG, 1981 [yinganensis] Shaergan Fm, Xinjiang, China; SHUMARDIIDAE; LORD [j.s.s. of Tarimella, fide W. ZHANG, 1985].
- Yingziaspis** M. ZHANG, 1999 [erdagouensis] Changshan Fm, Liaoning, China; PTEROCEPHALIDAE; UCAM.
- Yinites** LU, 1946 [typicalis] Tsanglangpu Fm, Guizhou, China; YINITIDAE; LCAM.
- Yinjiangia** YIN in YIN & LI, 1978 [elongata] Tongzi Fm, Guizhou, China; LEIOSTEGIIDAE; LORD.
- Yinjiangolithus** YIN in YIN & LI, 1978 [Hanchungolithus (Yinjiangolithus) angustus] Meitan Fm, Guizhou, China; TRINUCLEIDAE; MORD [j.s.s. of Hanchungolithus, fide ZHOU & HUGHES, 1989].
- Yinpanolithus** LU in LU & ZHANG, 1974 [yimpanensis] Dawan Fm, Sichuan, China; TRINUCLEIDAE; MORD.
- Yinshanaspis** W. ZHANG & ZHU, 1979 [Hsuaspis (Yinshanaspis) anhuiensis] Houjiashan Fm, Anhui, China; ESTANGIIDAE; LCAM.
- Yishanaspis** YUAN & XIANG, 1998 [xiakouensis] Yonghsien Fm, Guangxi, China; PROETIDAE; UDEV.
- Yohoaspis** RASETTI, 1951 [pachycephala] Cathedral Fm, British Columbia, Canada; PTYCHOPARIIDAE; MCAM.
- Yokusenja** KOBAYASHI, 1935c [vulgaris] *Chuangia* Zone, South Korea; PTEROCEPHALIDAE; MCAM.
- Yongwolija** KOBAYASHI, 1962 [ovata] *Tonkinella* Zone, South Korea; ANOMOCARIDAE; MCAM.
- Yorkella** KOBAYASHI, 1942e [Conocephalites australis] WOODWARD, 1884b] Parara Lst, South Australia; REDLICHIIDAE; LCAM.
- Yosimuraspis** KOBAYASHI, 1960a [vulgaris] Bankoku Fm, South Korea; REMOPLEURIDAE; LORD.
- Youngia** LINDSTRÖM, 1885 [Cheirus trispinosus] YOUNG, 1868] Wood Burn Fm, Scotland; CHEIRURIDAE; LSIL.
- Yoyarrja** RUSCONI, 1955b [puelchana] Mendoza, Argentina; UNCERTAIN; ORD.
- Yuehsienszeella** W. ZHANG in LU et al., 1963 [Ptychoparia szechuanensis] SUN in LU, 1939] Tsanglangpu Fm, Yunnan, China; ANTAGMIDAE; LCAM.
- Yuepingia** LU, 1956 [niobiformis] Guizhou, China; CERATOPYGIDAE; UCAM [j.s.s. of Haniwoides, fide HUGHES & RUSHTON, 1990].
- Yuepingioides** LU & LIN, 1984 [parallelus] Siyangshan Fm, Zhejiang, China; ?ASAPHIDAE; UCAM.
- Yujinia** ZHANG & YUAN in W. ZHANG et al., 1980b [magna] Changhia Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Yuknessaspis** RASETTI, 1951 [paradoxa] Stephen Fm, British Columbia, Canada; PTYCHOPARIIDAE; MCAM.
- Yukonaspis** KOBAYASHI, 1936a [kindlei] Jones Ridge Lst, Alaska, USA; CATILLICEPHALIDAE; UCAM.
- Yukonia** PALMER, 1968 [intermedia] Adams Argillite, Alaska, USA; YUKONIIDAE; LCAM.
- Yukonides** FRITZ, 1972 [lacrinus] Sekwi Fm, North West Territories, Canada; YUKONIIDAE; LCAM.
- Yumenaspis** W. ZHANG & FAN, 1960 [yumenensis] *Dicellograptus-Yumenaspis yumenensis* Zone,

- Chilian Mts, Gansu, China; ALSATASPIDIDAE; MORD.
- Yunlingia** QIU in QIU et al., 1983 [jinxiensis] Anhui, China; ELVINIIDAE; UCAM.
- Yunmengshania** J. ZHANG & WANG, 1985 [shanxiensis] Hsuehuang Fm, Shanxi, China; WUANIIDAE; MCAM.
- Yunnanaspidella** W. ZHANG, 1966 [spinocaudata] Tsanglangpu Fm, Yunnan, China; YINITIDAE; LCAM.
- Yunnanaspis** W. ZHANG, 1966 [bilongispinus] Tsanglangpu Fm, Yunnan, China; YINITIDAE; LCAM.
- Yunnancephalus** KOBAYASHI, 1936c [Ptychoparia yunnanensis MANSUY, 1912] Chiungchussu Fm, Yunnan, China; YUNNANOCEPHALIDAE; LCAM.
- Yurakia** ROZOVA, 1963 [yurakiensis] Yurakiysky Horizon, NE Siberia, Russia; ILLAENURIDAE; UCAM.
- Yushugouia** GUO & DUAN, 1978 [nitida] Hsuehuang Fm, Liaoning, China; PTEROCEPHALIIDAE; MCAM.
- Zacanthellina** REPINA in KHOMENOVSKY & REPINA, 1965 [pulehella] Taryn Horizon, Siberia, Russia; CHENGKOUIIDAE; LCAM.
- Zacanthoides** WALCOTT, 1888 [Embolimus spinosa ROMINGER, 1887] Stephen Fm, British Columbia, Canada; ZACANTHOIDIDAE; MCAM [replacement name for Embolimus].
- Zacanthopsina** PALMER, 1964 [eperephes] Saline Valley Fm, Nevada, USA; ZACANTHOIDIDAE; LCAM.
- Zacanthopsis** RESSER, 1938b [Olenoides levis WALCOTT, 1886] Pioche Sh, Nevada, USA; ZACANTHOIDIDAE; LCAM.
- Zacompis** RAYMOND, 1924 [clarki] Gorge Fm, Vermont, USA; ALSATASPIDIDAE; UCAM.
- Zaozhuangaspis** LIN, 1984 [shandongensis] Changhia Fm, Shandong, China; CREPICEPHALIDAE; MCAM.
- Zaplaops** BALDIS & BLASCO in BALDIS et al., 1976 [zaplensis] Lipéon Fm, Argentina; PHACOPIIDAE; LUSIL.
- Zazvorkaspis** PŘIBYL & VANĚK, 1964 [Cheirus neuter BARRANDE, 1872] Králův Dvůr Fm, Czech Republic; CHEIRURIDAE; UORD.
- Zbirovia** ŠNAJDR, 1956 [Illaenus aratus BARRANDE, 1872] Dobrotivá Fm, Czech Republic; ILLAENIDAE; MORD.
- Zdicella** ŠNAJDR, 1957a [Illaenus zaidleri BARRANDE, 1872] Králův Dvůr Fm, Czech Republic; ILLAENIDAE; UORD.
- Zeliszella** DELO, 1935 [Phacops deshayesi BARRANDE, 1846a] Vinice Fm, Czech Republic; DALMANITIDAE; UORD.
- Zetaproctus** ŠNAJDR, 1983a [miehle] Králův Dvůr Fm, Czech Republic; TROPIDOCORYPHIDAE; UORD.
- Zeteagnostus** ÖPIK, 1979 [incautus] Inca Fm, Queensland, Australia; PTYCHAGNOSTIDAE; MCAM [j.s.s. of Ptychagnostus, fide PENG & ROBISON, 2000].
- Zethus** PANDER, 1830 [uniplieatus] Echinospaeritenkalk, St Petersburg region, Russia; CHEIRURIDAE; MORD [preoc., not? replaced; j.s.s. of Pseudospaerexochus, fide SCHMIDT, 1881].
- Zetillaenus** ŠNAJDR, 1957a [Illaenus wahlenbergianus BARRANDE, 1852] Králův Dvůr Fm, Czech Republic; ILLAENIDAE; UORD.
- Zhaishania** QIU in QIU et al., 1983 [zhaishanensis] Hsuehuang Fm, Jiangsu, China; PROASAPHISCIDAE; MCAM.
- Zhalangtania** ZHOU in ZHOU et al., 1996 [valleculata] Liudaogou Group, Qinghai, China; CHEILOCEPHALIDAE; UCAM [j.s.s. of Cheilocephalus, fide YUAN & YIN, 2001].
- Zhanglouia** QIU, 1980 [zhanglouensis] Manto Fm, Jiangsu, China; REDLICHIIDAE; LCAM.
- Zhangshania** LI & ZHANG in LI et al., 1990 [typicalis] Yuxiansi Fm, Sichuan, China; GIGANTOPYGIDAE; LCAM.
- Zhegangula** HAHN, HAHN & YUAN, 1989 [zhegangensis] Zhe Gang, Guangxi, China; PROETIDAE; PENN.
- Zhejiangoproetus** ZHANG & JU in QIU et al., 1983 [fuyangensis] Dabaidi Fm, Zhejiang, China; PROETIDAE; LSIL.
- Zhenania** LUO, 1983 [preoc., replaced by Zhenanianania].
- Zhenanianania** JELL nov. [carinata] Liushui Fm, Yunnan, China; PTEROCEPHALIIDAE; UCAM [replacement name for Zhenania].
- Zhenbadiscus** S.G. ZHANG in W. ZHANG et al., 1980a [Szechuanaspis (Zhenbadiscus) typicalis] Tsanglangpu Fm, Shaanxi, China; YUKONIIDAE; LCAM [j.s.s. of Hebediscina, fide JELL, 1997].
- Zhenbaspis** W. ZHANG & ZHU in LU et al., 1974a [lata] Shuijingtuo Fm, Shaanxi, China; CHENGKOUIIDAE; LCAM.
- Zhenganites** YIN in YIN & LI, 1978 [guizhouensis] Guniutan Fm, Guizhou, China; ASAPHIDAE; LORD.
- Zhenpingaspis** LI, 1978 [zhenpingensis] Xhenping, Shanxi, China; DOLICHOMETOPIIDAE; LCAM.
- Zhenxiongaspis** LIN & YIN in YIN & LI, 1978 [Zhenbaspis (Zhenxiongaspis) eylindriea] Mingxingsi Fm, Yunnan, China; CHENGKOUIIDAE; LCAM [j.s.s. of Zhenbaspis, fide W. ZHANG et al., 1997].
- Zhifangia** T. ZHANG, 1983 [preoc., replaced by Zhifangiafangia].
- Zhifangiafangia** JELL nov. [barkolensis] Donggurbastau Fm, Xinjiang, China; PROETIDAE; MISS [replacement name for Zhifangia; j.s.s. of Pudoproctus, fide YUAN & XIANG, 1998].
- Zhongtiaoshanaspis** ZHANG & YUAN in W. ZHANG et al., 1980b [ruichengensis] Hsuehuang Fm, Shanxi, China; PROASAPHISCIDAE; MCAM.
- Zhongwcia** ZHOU in ZHOU et al., 1982 [transversa] Xiangshan Fm, Ningxia Hui, China; LORENZELLIDAE; MCAM.

- Zhuangliella** QIU in QIU et al., 1983 [zhuangliensis] Anhui, China; PTEROCEPHALIIDAE; UCAM.
- Zhuitunia** LIU, 1982 [paradoxa] Qiangongping Fm, Hunan, China; IDAHOIIDAE; LORD.
- Zhujia** JU in QIU et al., 1983 [lubrica] Yangliugang Fm, Zhejiang, China; TSINANIIDAE; MCAM.
- Zhuozishania** W.ZHANG & YUAN, 1981 [typica] Hsuehuang Fm, Inner Mongolia, China; PROASAPHISCIDAE; MCAM [j.s.s. of Lioparella, fide W. ZHANG & JELL, 1987].
- Zhusilengops** ZHOU & CAMPBELL, 1990 [Toxophacops (Zhusilengops) ejinensis] Zhusileng Fm, Inner Mongolia, China; PHACOPIIDAE; LDEV.
- Zhuxiella** W. ZHANG & ZHU in W. ZHANG et al., 1980a [hubeiensis] Shuijingtuo Fm, Hubei, China; ESTAINGIIDAE; LCAM [j.s.s. of Hsuaspis (=Estaingia), fide JELL in BENGTON et al., 1990].
- Ziboaspidella** LU et al., 1988 [latilimbata] Maochuang Fm, Shandong, China; PTYCHOPARIIDAE; MCAM.
- Ziboaspis** W. ZHANG, 1963 [laevigatus] Maochuang Fm, Shandong, China; PTYCHOPARIIDAE; MCAM.
- Zlichovaspis** PŘIBYL & VANĚK, 1971a [Odontochile rugosa HAWLE & CORDA, 1847] Dvorce-Prokop Lst. Czech Republic; DALMANITIDAE; LDEV.
- Zoraspis** NAN, 1985a [lobata] Huangbanjishan Fm, Heilongjiang, China; ASAPHIDAE; LORD.
- Zuninaspis** HARRINGTON & LEANZA, 1957 [acuminata] Acoite Fm, Salta, Argentina; ASAPHIDAE; LORD.

SYSTEMATIC LISTING

Abadiellidae HUPÉ, 1953

Abadiella (=Parabadiella; =Danagouia),
Guangyuanaspis, Guangyuania, Lunolenus,
Malongocephalus, Shaanxia, Sibiriaspis.

Acastidae DELO, 1935

Acastava, Acaste, Acastella, Acastellina,
Acastocephala, Acastoides, Acastopyge,
Armorigreenops, Asteropyge, Baniaspis,
Bellacartwrightia, Bradocryphaeus, Braunops,
Breizhops, Centauropyge, Chimaerastella,
Coltrancia, Comura, Cryphina, Delocare,
Deloops, Destombesina, Dunopyge, Echino-
pyge, Erbenochile, Ewacaste, Feruminops,
Gourdonia, Greenops, Gudralisium, Hall-
andclarkeops, Harringtonacaste, Heliopyge
(=Alcaldops), Hexacosta, Hollardops (=Mod-
ellops; =Philipsmithiana), Kayserops, Kenna-
cryphaeus, Kloucekia, Llandovacaste, Meta-
canthina, Mimocryphaeus, Morocconites,
Mrakibina, Neocalmonia, Neometacanthus,
Paracryphaeus, Pelitlina, Phacopidina, Phil-
onyx, Pilletina, Protacanthina, Pseudo-
cryphaeus, Psychopyge, Quadratispina,
Quadrops, Radiopyge, Rheicops, Rhenops,
Saharops, Sanidopyge, Scotiella, Sokhretia,
Stummiana, Talus, Tolkienia, Treveropyge,
Turcopsyge, Walliserops.

Acrocephalitidae HUPE, 1953

Acrocephallella, Acrocephalinella, Acroceph-
alites (=Acantholenus), Acrodirotes, Afghan-
cephalites, Asturiaspis, Brutaspis, Cermat-
aspis, Decus, Diceratocephalina, Elatilimbus,
Ijacephalus, Kepisis, Mansiella, Pseudacro-
cephalaspina, Siligerites, Toxotina, Trifonella.

Agnostidae McCOY, 1849

Acmarrhachis (=Cyclagnostus; =Oxyagnostus;
=Wanagnostus), Agnostus (/Battus; =Acuta-
tagnostus), Aistagnostus, Anglagnostus,
Biciragnostus, Connagnostus, Distagnostus,
Eolotagnostus, Gymnagnostus, Homagnostus,
Idolagnostus, Innitagnostus, Ivshinagnostus,
Kymagnostus, Lotagnostus, Micragnostus,
Obelagnostus, Oncagnostus (=Eurud-
agnostus), Phalacroma (=Platagnostus),
Phalagnostus (=Phalacromina), Quadrahom-
agnostus, Raragnostus, Semagnostus, Strict-
agnostus, Trilobagnostus (=Rudagnostus).

Agraulidae RAYMOND, 1913

Agasella, Agaso, Agraulos (/Arion; /Arionius;
=/Arionides /Arionellus; =Agrauloides),
Batenoides, Chittidilla (=Diandongaspidella
/Diandongaspis), Chondroparia, Clemenella,
Conagraulos, Elankaspis, Lenagraulos, Litav-
kaspis, Metagraulos, Micragraulos, Mung-

yongia, Parachittidilla (=Amurtecephalus),
Paragraulos, Paraplesiagraulos, Phymaspis,
Plesiagraulos, Poriagraulos, Proampyx,
Protochittidilla, Pseudoeteraspis, Pseudoplesi-
agraulos, Qiannanagraulos, Shahaspis, Skrei-
aspis, Sternbergaspis, Taiganella, Tetragono-
cephalus, Tholus, Tianjingshania, Veragrau-
los, Wutaishania.

Aldonaiidae HUPÉ, 1953a

Aldonaia, Granutaspis, Ideria, Perissopyge,
Planaspis, Pumilina, Repinaspis, Tuvanella
(=Eleganolimba), Tuvanellus, Volonellus.

Alokistocaridae RESSER, 1939

Alokistocare (=Pseudoalokistocare),
Alokistocarella, Alokistocaropsis, Altiocculus,
Amecephalina, Amecephaloides, Ameceph-
alus (=Strotocephalus), Annamitia, Arcad-
iaspis, Arellanella, Atopiaspis, Beldirella,
Binella, Bythicheilus, Chancia, Chanciaopsis,
Danzhaiaspis, Diaoyaspis, Ehmania, Ehman-
iella (=Anomalocephalus; =Clappaspis),
Elrathia, Elrathiella (=Coclaspis; =Glosso-
coryphus), Eokaotia, Erdoradites, Furia,
Ganovexopyge (/Scottia), Huochengella,
Inglefieldia, Jenkinsonia, Kailiella, Kaotia,
Katunicare, Kistocarc, Langqia, Lenacare,
Nelgakia, Parapachyaspis, Parehmania
(=Menairia; =Rowia; =Thompsonaspis),
Pedinoccephalina, Peregrinaspis, Plesiam-
cephalus, Proehmaniella, Proveedora,
Pseudomexicella, Schopfaspis, Trachycheilus,
Tympanuella, Utaspis.

Alsataspididae TURNER, 1940

Ajrikina, Alataupleura, Araiopleura,
Calycinoidia, Caputrotundum, Clavatellus,
Falanaspis, Hapalopleura, Huamiaocephalus,
Jegorovaia (=Hermosella), Jiangxiaspis,
Orometopus, Pagometopus, Palquiella,
Paracalymenemene (/Paracalymene LIU),
Plesioptabolina, Pyrimetopus, Rhadino-
pleura, Selenecece (=Alsataspis), Sibirio-
pleura, Skljarella (=Proaraiopleura), Spir-
antyx, Trigocephalus, Yumenaspis,
Zacompsus.

Amgaspidae CHERNYSHEVA, 1960

Amgaspidella, Amgaspis, ?Eodontopleura,
Paramgaspis, Solontzella.

Ammagnostidae ÖPIK, 1967

Ammagnostus (=Lispagnostus; =Agnosto-
glossa; =Tentagnostus), Hadragnostus
(=Formosagnostus; =Kunshanagnostus),
Kormagnostus (=Kormagnostella; =Litagnost-
oides), Proagnostus (=Agnostascus;
=Paragnostascus).

Andrarinidae RAYMOND, 1937

Andrarina (/Liostracus), Groenwallia, Groenwallina.

Anomocarellidae HUPÉ, 1955

Anomocarella (=Psilaspis; =Entorachis), Eoanomocarella, Fissanomocarella, Glyphaspis (=Americare), Hanshania, Huayuania, Liocare, Liopchishania, Liopelta, Luia, Lydiaspis, Megalopsis, Neoanomocarella, Orthodorsum, Paranomocarella, Peishania, (=Parapeishania), Peishanoides, Plebiellus.

Anomocaridae POULSEN, 1927

Abharella, Afghanocare, Amginia, Anomocare, Anomocarina, Anomocarioides, Anomocariopsis, Callaspis, Chondranomocare, Dilatalimbus, Elandaspis, Eocatuiniella, Forchammeria, Formosocephalus, Fuquania, Glyphanellus, Glyphaspellus, Guizhouanomocare, Hanivella, Harataspis, Hunanaspis, Igarkiella, Iohomia, Irinia, Jimanomocare, Juraspis, Kokuria, Kolbinella, Kotuia, Leichneyella, Lomsucaspis, Longxumonia, Macrotoxus, Metanomocare, Nadiyella, Palella, Paracoosia (=Manchurocephalus), Parakotuia, Paranomocare, Pjatkovaspellus, Qinlingia, Rectifrontinella, Sachaspis, Schoricarc, Schoriella, Scintilla, Sivovella, Usoviturus, Wutingshania, Yongwolua.

Antagmidae HUPÉ, 1953

Antagmella, Antagmus, Bagradia, Bicella, Bilimbataia, Cambrophatictor, Crassifimbria, Cyphambon, Erzishania (=Oreisator), Houmengia, Katunia, Lermontoviella, Longshania, Luaspides, Mantoushania, Onchocephalina, Onchocephalus (=Litocodia), Paraantagmus, Periomma, Plesioperiomma, Shilengshuia, Sombrecella, Wanbeiaspis, Xiangqianaspis, Xiaofangshangia, Xiaomajiella, Yuehsienszella.

Aphelaspidae PALMER, 1960

Amorphella, Aphelaspidella, Aphelaspis (=Proaulacopleura; =Clevelandella; =Labiostria), Apheloides, Dicanthopyge, Elegantaspis, Erixanium, Egonocare, Kobayashella, Listroa, Litocephalus, Maduiya, Nganasanella (=Tamaranella), Notoaphelaspis, Olenaspella, Olentella, Paraphelaspis, Pseudaphelaspis, Pseudegonocare, Taenicephalites, Taenora.

Archaeaspididae REPINA, 1979

Archaeaspis, Bradyfallotaspis, Fallotaspidella, Geraldinella, Selindella.

Asaphidae BURMEISTER, 1843

Anataphrus, Araiocaris, Asaphellus (=Asaphelloides; =Asaphoon; =Hemigyraspis; =Megalaspidella; =Plesiomegalaspis), As-

aphus (=Schizophorus), Atopasaphus, Aulacoparia, Aulacoparina, Australopyge, Baltites, Banqiaoites, Basilicus (=Basilicella; =Carinobasilicella; =Dolerobasilicus/Basilicoides; =Mekynophrys; =Parabasilicus), Bellefontia, Birmanitella, Birmanites (=Opsimasaphus), Bohemopyge (/Ptychocheilus), Borogothus, Brachyaspis, Branispis, Burminnesia, Charabaia, Chengkouella, Dubovikites, Ectenaspis, Ekeraspis, Emanuelaspis, Emanuelina, Eoasaphus (/Anorina), Eoisotelus, Erdelia (/Maja), Estoniites, Fuyunia, Gerasaphes, Gog, Gogiura, Golasaphus, Griphasaphus, Guohongjunia, Hazarana, Heraspis, Hoekaspis, Homalopyge, Hunjiangites, Hunnebergia, Huochengia, Iduia, Isabelinia, Isotella, Isoteloides, Isotelus (=Homotelus), Isyrakella, Isyrakopeltis, Kainisiliellina, Kayseraspis, Klabavia, Kobayashia, Lachnostoma, Lamanskytes, Lapidaria, Leningradites, Liomegalaspides, Lisogorites (=Trigonoaspis; =Tangyaia), Liushuicephalus, Lonchobasilicus (=Sino-megalaspis), Lycophron, Megalaspidella, Megalaspides (=Lannacus), Megasaphus, Megatemnoura, Megistaspidella (=Spinopyge), Megistaspis (/Megalaspis; =Megistaspinus; =Rhinaspis), Merlinia, Metaptychopyge, Metayuepingia, Mioptychopyge, Mischynogorites, Nahannia, Neosaphus (=Trematophoris; =Multiasaphus; =Postasaphus; =Subasaphus), Neopeltis, Nerudaspis, Nileoides, Ningkianites, Niobe, Niobella (=Metoptogyrus), Niobides, Niobina, Nobiliasaphus (=Pamirotchchites), Norasaphites, Norasaphus, Norinia, Notopeltis, Ogmiasaphus, Ogyginus, Ogygiocarella, Ogygiocaris, Ogygitella, Ogygites, Ogygitoides, Onchometopus, Parabellefontia, Paramegalaspis (=Dolerasaphus), Paramegistaspis (/Varvaspis), Paraptychopyge, Paratamdaspis, Parayuepingia, Penchiopsis, Platyptychopyge, Plectasaphus, Plesiyuepingia, Popovkiaspis, Popovkites, Praecoparia, Presbynileus (/Paranileus), Priceaspis (=Fitzroyaspis), Proasaphus, Promegalaspides, Protopresbynileus (/Pseudonileus HINTZE, 1953), Protoptychopyge, Proxiniobe, Pseudoasaphinus, Pseudoasaphoides, Pseudoasaphus, Pseudobasilicoides, Pseudobasilicus, Pseudobasilicella, Pseudobasiloides, Pseudogriphasaphus, Pseudogygites, Pseudomegalaspis, Pseudoptychopyge, Pseudoptyocephalus, Psilocephalina, Psilocephalops, Ptychopyge, Ptyocephalus (=Kirkella), Rhino-

- ferus (=Lawiaspis; =Ropschiaspis), Sanbernardaspis, Shergoldina, Stegnopsis, Stenorrhachis, Suriaspis, Tehukeraspis, Thysanopyge (=Basilicoides), Trigonocerca, Trigonocerecella, Tsaidamaspis, Valdaites, Vogdesia, Volchovites, Xenasaphus, Xenostegium, Xinanocephalus, Yuepingioides, Zhenganites (=Eosoptychopyge), Zoraspis, Zuninaspis.
- Asaphiscidae** RAYMOND, 1924
Anomocarellius, Asaphiseus, Blainia, Blainiopsis, Blountiella, Blountina, Canotiana (=Williamsina), Cinnella, ?Conoides, Dunderburgella, Edithiella, Eoasaphiscus HAJRULLINA, Eokaninia (/Kaniniella SIVOV), Eoproetus, Erbenia, Eteraspis, Iniotoma, Kaninia (/Kaniniella SIVOV; =Dolgaia), Kaniniella KOBAYASHI, Lioparia (/Lorentzia, /Pseudoliotrachina; =Emmrichella; =Liaoyangaspis), Luyanhaoaspis (/Luaspis PENG et al., 1995), Minderocrusta, Paraorlovina, Vega, Verkholenella.
- Atopidae** HUPÉ, 1953c
Atopina, Atops (=Ivshiniellus), ?Avalonia, Pseudatops.
- Aulacopleuridae** ANGELIN, 1854
Aulaeopleura (/Arethusa/Arethusina; =Paraulaeopleura), Aulacopleuroides, Beggaspis, Coignops, Cyphaspides, Cyphaspis (=Novakaspis), Dixiphopyge, Harpidella (=Rhinatorion), Latcephalus, Malimanaspis (=Goodsiraspis), Maurotarion (=Goniopleura; =Branisella; =Trieornotarion), Namuropyge (=Coignouina), Otarion (=Aulacopleurella; =Conoparia; =Otarionella), Otarionides, Protoeyphaspides, Pseudotrinodus, Songkania, Tilsleyia.
- Auritamideae** ÖPIK, 1967
Auritama, Metopotropis.
- Avoninidae** LOCHMAN, 1936
Avonina, Wongia.
- Bathycheilidae** PŘIBYL, 1953
Bathycheilus (=Parabathycheilus), Calymenia, Eulomina.
- Bathyuridae** WALCOTT, 1886
Acidiphorus (=Goniotelina; =Goniotelus/Gonivirus), Aksuaspis, Bathyurellus, Bathyurus, Benthamaspis (=Oeulomagnus), Bolbocephalus, Catochia, Ceratopeltis, Eleuthero-centrus, Ermanella, Gignopeltis, Grinnellaspis (/Actinopeltis POULSEN), Hadrohybus, Jeffersonia (=Bathyurina), Licnocephala (=Domina), Lutesvillia, Madaraspis, Peltabellia (=Biolgina), Petigurus, Platyantyx, ?Proseharyia, Psephosthenaspis (=Aponileus; =Ludvigsenella), Pseudoolenoides, Punka, Rananasus, Randaynia, Raymondites, Sinobathyurus, Strigigenalis, Uromystrum.
- Bavarillidae** SDZUY, 1957
Bavarilla, Holoubkocheilus.
- Bigotinidae** HUPÉ, 1953
Bigotina, Bigotinella, Bigotinops, Bulaiaspis, Hupetina, Neobigotina, Ouijjanina, Pruvostina, Serrania.
- Bohemillidae** BARRANDE, 1872
Bohemilla, Fenniops.
- Bolaspidae** HOWELL in MOORE, 1959
Acrocephalops, Bolaspidaspis, Bolaspis, Eldoradia, Rawlinsella.
- Brachymetopidae** PRANTL & PŘIBYL, 1951
Acutimetopus, Asiagena, Australosutura, Brachymetopella, Brachymetopus (/Brachymetopina; =Iriania), Cheiropyge (=Suturikcephalion), Conimetopus, Cordania, Eometopus, Loeipyge, Mystrocephala, Proetides, Radnorina, Spinimetopus.
- Burlingiidae** WALCOTT, 1908
Burlingia, Schmalensecia.
- Calmoniidae** DELO, 1935
Anehiopella, Andinaeaste, Australoacaste, Australops, Awaria, Bainella (=Paradamanites; =Paranaeaste), Belenops, Bouleia (=Dereimsia), Calmonia, Chiarumanipyge, Clarkeaspis, Cryphaeoides, Curuyella, Deltacephalaspis, Eldredgeia, Feistia, Hadroraechus, Jujuyops, Kozlowskiaspis, Malvinella, Malvinocooperella, Metaeryphaeus, Oosthuizenella, Palpebrops, Parabouleia, Paracalmonia (/Proboloides), Pennaia, Phacopina, Plesioconvexa, Plesiomalvinella, Prestalia, Probolops, Punillaspis, Renniella, Romanops, Schizostylus, Talacastops, Tarijaetinoidea (=Bolivianaspis), Tibagya (/Schizopyge), Tormesiseus, Typhloniscus, Vogesina, Wolfartaspis.
- Calodiscidae** KOBAYASHI, 1943
Calodiscus (/Goniodiscus; =Brevidiscus), Chalediscus, Korobovia, Neocobboldia (/Cobboldia; =Margodiscus), Pseudocobboldia, Sinodiscus (=Tologoja).
- Calymenidae** BURMEISTER, 1843
Alcymene, Apocalymene, Arcticalymene, Calymene (/Calymena/Calymaena/ Calymene/Calymmena), Calymenella, Calymenesun, Colpoeoryphe (=Thoralocoryphe), Dekalymene, Diaalymene, Flexicalymene, Gravicayalymene, Limboealymene, Linguocalymene, Liocalymene, Metacalymene, Neseuretinus, Neseuretus (=Synhomalonotus), Nipponoealymene, Onnicayalymene, Papillicalymene, Paraealymene, Platycalymene

(=Sulcocalymene), Pradoella, Protocalymene, Reacalymene, Reedocalymene, Salterocoryphe, Sarrabesia, Spathacalymene, Sthenarocalymene, Tapinocalymene, Thelecalymene, Vietnamia.

Catillicephalidae RAYMOND, 1938

Acheilops, Agelagma (?=Paradistazeris), Buttsia, Buttsiella, Catillicephalo (/Cephalocoelia), Catillicephalites, Coephalocoeliaspis, Cryptoderaspis, Distazeris, Galeaspis, Lajishanaspis, Madarocephalus, Matania, Onchonotellus (=Onchonotina; =Guotangia; =Seletella), Onchonotopsis, Onchonotus, Pemphigaspis (=Hallaspis), Peracheilus (=Acheilus RAYMOND), Qilianshania, Stenochilina, Theodenisia (/Denisia; =Calculites; =Mannschreckia), Triarthropsis, Tumidulaspis, Tuojiangella, Urbanaspis, Waergangia, Welleraspis (=Avonaspis), Yukonaspis.

Cedariidae RAYMOND, 1937

Bonneterrina (=Holstonia; =Piedmontia), Carinamala, Cedaria, Cedarina, Henadoparia, Jimachongia, Vernaculina.

Centropleuridae ANGELIN, 1854

Anopolenus, Beishanella, Centropleura, Clarella, Luhops.

Ceratopygidae LINNARSSON, 1869

?Ajacicrepida, Asiocephalus, Boschchekulia, Cataplotaspis, Ceratopyge, Cermatops, Charchaia (=Aplotaspis), Diceratopyge (=Paracratopyge), Dichelepyge (=Bicornipyge), Dipleurpyge, Guozia, Haniwoides (=Yuepingia), Hedinaspis, Hunanopyge, Hysterolenus (=Ruapyge/ Hectoria), Kaltykelina, Kaufmannella (/Kaufmannia), Kogenium, Lopnorites, Macropyge (=Haniwapyge, =Lichapyge; =Macropygella), Mansuyella, Nannopeltis, Neohedinaspis, Onychopyge (=Prionopyge), Proceratopyge, Promacropyge (=Aksapyge), Pseudohysterolenus, Pseudoyuepingia (=Iwayaspis; =Sayramaspis), Sinoproceratopyge, Tamdaspis (=Psiloyuepingia), Tropidopyge, Wannania, Xiaodaositunia.

Changshaniidae KOBAYASHI, 1935c

Benxiella, Changshania (=Metachangshania; =Prochangshania), Changshanocephalus, Kazelia (=Kazellina), Mecophyrs, Narinosa, Parachangshania, Paramonomonia, Paraqingshuihecella (=Qingshuihecella), Pseudowentsuia, Suribongia, Wentsuia.

Cheilocephalidae SHAW, 1956

Aksayaspis, Cheilocephalus (=Pseudolisania; =Zhalangtania), Emsurella, Lecanoaspis, Mac-

elloura, Oligometopus (=Bernicella), Parakoldinia, Pseudokingstonia, Pseudokoldinia.

Cheiruridae SALTER, 1864

Acanthoparypha, Actinopeltis HAWLE & CORDA, Anasobella, Ancyginaspis, Apollonaspis, Arcticcraurina, Arcia, Areiaspis, Azyptyx, Barrandeopeltis, Borealaspis (=Alreboaspis), Bornholmaspis, Bufoceraurus, Craurina (=Bartoninus), Craurinium, Craurinus (=Remipyga), Crauromeros, Crauropeltis, Craurus (=Eoceraurus), Cheirurus, Chiozoon, Contracheirurus, Courtessolium, Crotalocephalites, Crotalocephalina (/Gibbocephalus; =Mezocrotalus), Crotalocephalus (=Cerauroides; =Pilletopeltis/Boeckia PILLET), Cyrtometopella, Cyrtometopus, Deiphon, Didepanon, Eceoptochile, Eceoptochiloides, Forteyops, Foulonia, Gabriceraurus, Geracephalina, Hadromeria, Hammannopyge, Hapsiceraurus, Heliomera, Heliomeroides, Holia (=Ainoa), Hyrokybe (=Shiqiania), Junggarella, Kawina (=Cydonocephalus), Kolymella, Krattaspis, Ktenoura, Laneites, Lehua, Leviceraurus, Nieszkowskia, Onycopyge, Osekaspis, Pandaspinapyga, Paraceraurus, Parasphaerexochus (=Mayopyge), Parayoungia (=Ichiyamella), Parisoceraurus, Pateraspis, Patomaspis, Placoparina, Pompeckia, Promomma, Protocerauroides, Pseudocheirurus, Pseudosphaerexochus (=Zethus), Radium, Ratinkaspis, Reraspis, Skelipyx, Sphaerexochus (=Korolevium; =Onukia; =Parvixochus), Sphaerocoryphe (=Ellipsocoryphe; =Hemisphaerocoryphe), Stubblefieldia, Sycophantia, Turantyx, Valongia, Whittakerites, Xylabion, Xystocrania (=Xialiangshania), Youngia, Zazvorkaspis.

Chengkouaspidae ZHANG & LIN in W. ZHANG et al., 1980a

Aragotus, Bathynotus (=Pagura), Bathynotellus, Belliceps, Chengkouaspis, Elegestina, Inella, Pseudoresserops, Terechtaspis (=Nellina).

Chengkouidae ZHU in W. ZHANG et al., 1980a

Acanthomiemacca (=Chengkouia; =Jaskovitchella; =Myopsomiemacca), Bidjinella, Changyanga, Miemacca, Turkestanella, Wenganella, Xiuqiella, Zacanthellina, Zhenbaspis (=Yankongia; =Zhenxiongaspis).

Clavagnostidae HOWELL, 1937

Aspidagnostus (=Biragnostus), Clavagnostus (=Tomorhachis; =Culipagnostus; =Stigmagnostus; =Acanthagnostus; =Leptagnostus; =Paraclavagnostus), Triadaspis, Utagnostus.

Condylopygidae RAYMOND, 1913

Condylopyge (/Paragnostus; =Fallagnostus),
Miraculaspis, Pleuroctenium (=Dichagnostus).

Conocoryphidae ANGELIN, 1854

Bailiaspis, Bailiella (=Liaotungia; =Lio-
cephalus; =Tangshihella), Cainatops (=Cornu-
coryphe), Conocoryphe (/Conocephalites;
=Conocephalus; =Couloumania), Cteno-
cephalus, Elyx (/Eryx), Hartella, Parabailiella,
Tchiaspis.

Conocephalinidae HUPÉ, 1953

Buitella, Catumiella, Conocephalina (=Lobo-
cephalina; =Ruzickai/Lobocephalus),
Gorskia, Maspakites, Meisteraspis, Meister-
ella, Miranda, Oirorella, Suludella, Wester-
gaardella.

Corynexochidae ANGELIN, 1854

Abakania, Acontheus (=Aneucanthus; =Aneu-
acanthus), Bonnaspis, Chatiana (=Parachata-
iana), Clavigellus, Corynexochella, Corynex-
ochina, Corynexochus (=Karlia), Eochatiana,
Eocorynexochus, Hartshillia, Hartshillina,
Milaspis, Miranella, Olinaspis, Sanaschtyk-
golia, Shivelcius, Trinia.

Crepicephalidae KOBAYASHI, 1935c

Bagongshania, Beikuangaspis, Cayupania,
Coosella (=Wilsonella), Coosia, Coosina,
Coosinoides, Crepicephalina (=Mesocrepi-
cephalus), Crepicephalus, Hsuchuangua,
Idioura, Kasatchaspis, Neimonggolaspis,
Perforina, Pseudocrevicephalus, Sinocoosella,
Sinocrevicephalus, Sneedvillia, Temnoura
(=Asteromajia), Tetraccroua, Uncaspis,
Zaozhuangaspis.

Cyclopygidae RAYMOND, 1925

Amicus, Aspidacglina, Circulocrania, Cyclo-
pyge (/Egle/Aeglina), Degamella, Ellipsot-
aphrus, Emmrichops, Gastropolus (=Lisogor-
aspis), Girvanopyge (=Cremastoglottos;
=Gamops; =Nanlingia), Heterocyclopyge
(=Selenoptychus), Microparia (=Gallagnost-
oides), Novakella (=Incisopyge), Paramicro-
paria, Phylacops, Pricyclopyge (=Bicyclo-
pyge), Prospectatrix, Psilacella, Quadratapyge,
Sagavia, Symphysops, Waldminia, Xeno-
cyclopyge.

Dalmanitidae VOGDES, 1890

Anchiopsis, Andreaspis, Argentopyge, Banil-
atites, Bessazon, Blanodalmanites, Chaco-
murus, Chattiaspis, Coronura, Corycephalus,
Crozonaspis, Dalmanites (/Dalmania;
=Guaranites; =Hausmannia ETHERIDGE &
MITCHELL; =Helioccephalus/Malvernica;
=Makaspis; =Ommokris), Dalmanitina, Dal-
manitoides, Dalmaniturus, Daytonia, Deloites,

Delops, Destombesites, Dreyfussina (=Pre-
phacopidella), Duftonia, Eodalmanitina,
Eudolatites, Fenestraspis, Forillonaria,
Francovichia, Furacopyge, Gamonedaspis,
Glyptambon, Guichenia, Huntoniatonia
(/Huntonia), Kasachstania, Lygdozoon,
Malladaia, Morgatia, Mucronaspis (=Guay-
kinites), Mytocephala (=Mirops), Neo-
probolium, Odontocephalus, Odontochile
(/Hausmannia HALL & CLARK), Ormathops,
Pericopyge, Phalangoccephalus, Preodont-
ochile, Prodontochile, Prosocephalus, Retam-
aspis, Reussiana, Roncellia, Schoharia, Song-
xites, Struveria, Synphoria (/Eocorycephalus;
/Neosynphoria), Synphoroides, Thuringaspis,
Toletanaspis, Trypaulites, Vokovicia, Zel-
iskella, Zlichovaspis (=Devonodontochile;
=Spinodontochile).

Damesellidae KOBAYASHI, 1935c

?Adelogonus, Ariaspis, Bergeronites (=Spino-
panura), Blackwelderia (=Parablackwelderia),
Blackwelderioides, Chiawangella, Cyrtoprora,
Damesella (=Haibowania; =Eodamesella),
Damesops (=Meringaspis; =Paradamesops),
Dipentaspis, Dipyrigotes, Drepanura, Duams-
annella, Fengduia, Guancenshania, ?Her-
cantyx, Histiomona, Jiawangaspis, Liuheaspis,
Metashantungia, Neodamesella, Palacadotes
(=Pseudobergeronites), Paradamesella (=Fal-
kopingia), Parashantungia, Pingquania (=Ox-
ygonaspis), Pionaspis, Protaitzehoia, Pseudo-
blackwelderia, Shantungia, Stephanocare,
Taihangshania, Taitzehoia, Teinistion
(=Dorypygella), Xintaia, Yanshanopyge.

Diaphanometopidae JAANUSSON in MOORE, 1959

Diaphanometopus, Gyrometopus, Prodal-
manitina.

Diceratocephalidae LU, 1954

Anopocodia, Aulacodigma, Cyclolorenzella,
Diceratocephalus, Fenghuangella (=Cyclo-
lorenzellina), Hwangjuella, Jiangnania,
Tangshihlingia, Tholifrons (=Paraphoreo-
tropsis), Torifera, Xiangua.

Dikelocephalidae MILLER, 1889

Berkeja, Blandicephalus, Briscoia, Camar-
aspoides, Dikelocephalus, Elkia, Goumenzia,
Hoytaspis, Iranella, Kasachstanaspis, Mono-
cheilus, Olimus, Oscolia, Parabriscoia, Pat-
alolaspis, Princetonella (/Calyptomma), Ptero-
cephalops RASETTI, Randicephalus, Stigma-
cephalus, Walcottaspis.

Dimeropygidae HUPÉ, 1953

Celmus (=Crotalurus; =Ischyrophyma),

Dimeropyge (/Haploconus), Dimeropygiella, Glaphurella, Ischyrotoma, Pseudohystricurus.

Dinesidae LERMONTOVA, 1940

Amginoerbia, Botomella (=Sayanella), Chakasskia, Chakasskiella, Compsoccephalus (/Lepidocephaloides), Densocephalus, Dilataspis, Dinesus, Erbia (=Paratollaspis), Erbiella, Erbina, Erbiopsidella, Erbiopsis, Ghwaiella, Paraerbia, Piriforma, Pokrovskiella, Proerbia, Pseudoerbia, Pseudoerbiopsis, Rondocephalus, Tingyuania, Tollaspis, Tumulina.

Dionididae GÜRICH, 1907

Aethedionide, Digrypos, Dionide (/Dione; /Polytomurus; =Dionidepyga; =Trigrypos), Dionideina, Dionidella, Huangnigangia, Paradionide, Tongxinaspis, Trinucleoides.

Diplagnostidae WHITEHOUSE, 1936

Agnostotes, Baltagnostus (?=Trilagnostus), Denagnostus, Diplagnostus (=Enetagnostus; =Tasagnostus), Dolichagnostus, Iniospheniscus, Linguagnostus (=Cristagnostus), Machairagnostus, Nahannagnostus, Oedorhachis, Oidalagnostus (=Ovalagnostus), Pseudagnostus (=Litagnostus; =Plethagnostus; =Pseudagnostina; =Rhaptagnostus; =Sulcatagnostus; =Xestagnostus), Pseudoglyptagnostus (=Glyptagnostotes), Pseudorhaptagnostus (=Neoagnostus; =Euplethagnostus; =Hyperagnostus; =Tarayagnostus; =Calagnostus), Trisulcagnostus (=Tririmagnostus).

Dokimocephalidae KOBAYASHI, 1935c

Acrocephalina, Alckcinella, Anemocephalus, Anuloides, Apachia (=Apachilites), Bellaspidella, Bellaspis, Beothuckia, Burnetiella (/Burnetia), Calocephalites, Chalfontia, Conaspis, Crusoiina, Deckera, Dellea (=Eshelmania), Delleana, Didwudina, Dokimocephalus, Fastigaspis, Glyptometopsis, Glyptometopus, Iddingsia (=Plataspella), Jingxiana, Kindbladia, Kiowaia, Kyphocephalus, Lorrettina, Obrucheviaspis, Pinctus, Plakhinella, Pseudosaratogia, Puanella, Ritella, Saimachia, Sulcocephalus, Taenicephalina, Tatulaspis, Tchuostachia, Whittingtonella, Wilsonarella, Wuhuia (=Deadwoodia), Yangweizhouia.

Dolerolenidae KOBAYASHI, 1951

Dolerolenus (/Olenopsis; =Malungia), Giordanella, Granolenus, Paramalungia.

Dolichometopidae WALCOTT, 1916

Aegumaspis Amphoton (=Eurodeois; =Amphotonella; =Paramphoton; =Sunia), Anoria, Asperocare, Athabaskia, Athabaskiella, Atypicus, Basanellus, Bathyuriscidella, Bathyuriscus (=Orria; =Orriella; =Wenkchemnia),

Borovikovia, Centonella, Chilometopus, Chilonorria, Clavaspidella, Corynexochides, Deiradonyx, Dolicholeptus, Dolichometopsis, Dolichometopus, Drozdoviella, Erratobalticus, Ezhuangia, Fuchouia (=Parafuchouia; =Pseudofuchouia), Glossopleura (=Sonoraspis), ?Granularaspis (/Granularia), Guraspis, ?Hanburia, Hemirhodon, Horonastes, Itydeois, Kannoriella, Klotziella, Lianhuashania, Mendospidella, Neopoliellina, Parapoliella, Poliella (=Bornemannia), Poliellaspidella, Poliellaspis, Poliellina, Politinella, Polypleuraspis, Prosymphysurus, Pseudamphoton, Ptarmigania, Saimixiella, Sestrostege, Shanghai, Sinijanella, Suvorovaaspis, Undillia, Zhenpingaspis.

Doryagnostidae SHERGOLD et al., 1990

Doryagnostus (=Ccratagnostus; =Rhodotypiscus).

Dorypygidae KOBAYASHI, 1935c

Atdabanella, Basocephalus, Bonnaria, Bonnia, Bonniella, Bonnima, Bonnioides, Bonniopsis, Dorypygaspis, Dorypyge, Dorypygina, Dorypygoides, Duyunia, Fordaspis, Hicksia, Holteria, Jiuquania, Kharausnurica, Kootenia (=Notasaphus), Kooteniella (=Babakovia), Kooteniellina, Kootenina, Liokootenia, Mengzia, Metakootenia, Namiolenoides, Neolenus, Ogygopsis (=Taxioura), Olenoides, Paraolenoides, Popigaia, Prokootenia, Protypus (=Bicaspis), Pulvillaspis, Rabutina, Saryaspis, Shipaiella, Strettonia, Tabatopygellina, Tadjikia, Tienzhuia, Tolanaspis.

Edelsteinaspidae HUPE, 1953

Alacephalus, Edelsteinaspis, Gelasene, Keeleaspis, Labradoria (=Sinolenus), Labradorina, Laticephalus, Litaspis, Nehanniaspis, Neoredlichina, Nodiceps, Paleofossus, Polliaxis, Torosus, Venosus.

Ellipsocephalidae MATTHEW, 1887

Acadolenus, Alueva, Antatlasia, Argunaspis, Asiatella, Bergeroniaspis, Bergeroniellus, Blayacina, Brevitermierella (=Paratermierella), Cambrunicornia, Catadoxides, Charaulaspis, Chorbusulina, Comluella, Culmenaspis, Ellipsocephalus (=Germaropyge), Ellipsostrenua, Glabrella, Hamatolenus, Hupeolenus, Issafeniella, Kadyella, Kameschkoviella, Kijanella, Kingaspidoidea (=Elatius), Kingaspis (=Mesclaiia), Krolina, Kymataspis, Latikingaspis, Latouchia, Latuzella, Lermontovia, Limataceps, Limouolenus, Lotzeia, Lusatiops (=Jalonella), Mohicana, Myopsolenus (=Collyrolenus), Myopsostrenua, Nelegeria, Olekmaspis, Ornament-

aspis, Orodes, Ourikaia, Paramicmacca, Paraprotolenella, Pauliceps, Planolimbus, Protagraulos, Protaldonaia, Protolenella, Protolenus (/Bergeronia; =Matthewlenus), Pruvostinoides, Pseudoasiatella, Pseudokadyella, Pseudolenus, Pseudoprotolenella, Ptychoparopsis (=Berabichia), Rinconia, Sailycaspis, Sectigena, Strenuaeva (=Hindermeyeria), Strenuella, Tadakoustia, Termieraspis, Termierella, Thoralaspis, Timnaella, Triangulaspis (=Acutaspis; =Angustaeva; =Plenudiscus; =Triangullina), Yeshanaspis.

Ellipsocephaloididae HUPÉ, 1955

Ellipsocephaloides.

Elviniidae KOBAYASHI, 1935c

Chariocephalus, Dartonaspis, Drumaspis, Dunderbergia, Dytremacephalus, Elburgia, Elvinaspis, Elvinia (=Moosia), Elviniella, Elvinioides, Elyaspis, Enshia, Irvingella (=Irvingellina; =Parairvingella; =Komaspis), Jessievillia, Kujandina, Maladioides, Maladiopsis, Megadundabergia, Metisaspina, Onchopltis, Paraenshia, Parakomaspis, Pesaia, Protemnites (=Prismenaspis), Pseudomaladioides, Pseudosaukia, Qingshuihella, Schmidtaspsis, Yunlingia.

Emuellidae POCOCK, 1970

Balcoracania, Emuella, Holyoakia.

Encrinuridae ANGELIN, 1854

Aegrotocatellus, Alwynulus, Atractocybeloides, Atractopyge (=Cybelella), Avalanchurus, Balizoma, Batocara (=Pacifurus/Australurus), Bevanopsis, Billevittia, Brianurus (/Briania), Celtencrinurus, Coronaspis, Coronocephalus (=Coronocephalina; =Sentucucullus), Cromus (=Encrinuraspis), Curriella, Cybele (=Cybelina), Cybeloides, Cybelurus (=Miracybele), Dayongia, Deacybele, Dindymene (=Cornovica), Distyrax, Dnestrovites, Elsarella, Encrinuroides, Encrinurus (=Saoria), Eodindymene, Erratencrinurus, Fragiscutum, Frammia, Frencrinuroides, Jhntemplcia, Kailia, Koksorens, Langgonia, Lasaguaditas, Libertella, Lyrapyge, Mackenziurus, Mitchellaspis (/Mitchellia), Nuclurus, Oedicybele (=Dindymenella; =Jemtella), Paracybeloides, Paraencrinurus, Parakailia, Perirehadulus, Perryus, Physemataspis, Plasiaspis, Prophysemataspis, Prostrix, Rongxiella, Sinocybele, Staurocephalus, Stiktocybele, Struszia, Tewonia, Walencrinuroides, Wallacia.

Eodiscidae RAYMOND, 1913

Dawsonia (=Aculeodiscus; =Metadiscus), Eodiscus (=Spinodiscus; =Deltadiscus), Helepag-

etia, Kiskinella, Macannaia, Opsidiscus (/Aulacodiscus), Pagetia (=Eopagetia; =Mesopagetia), Pagetides (=Discomesites), Sinopagetia.

Estaingiidae OPIK, 1970 [Sec Note 6]

Alanisia, Chulanolenus, Coreolenus, Eomalungia, Estaingia (=Hsuaspis, =Pseudichangia; =Zhuxiella; =Sematiscus; =Strenax), Hupeia, Ichangia, Longmenshanina, Longxianaspis, Madianaspis, Mundocephalina, Ningxiaspis, Olekmanellus, Paraichangia, Pararaia (=Proichangia; =Tannuolaspis), Protolenoides, Shangsiaspis, Shifangia, Shiqihepsis, Sichuanolenus, Subcia, Szechuanolenus, Yinshanaspis.

Eulomidae KOBAYASHI, 1955

Acrocephalaspina, Altaispis, ?Amzasskiella (=Triplaccephalus), Archaeuloma, Baikadamaspis, Bilacunaspis, Butyrinia, Crucicephalus, Dolgeuloma (/Rosovaspis/ Pseudoacrocephalites ROSOVA), Duplora, Euduplora, Euloma (=Calymenopsis), Guizhoucephalina, Iveria, Karataspis, Ketyna (=Kujandaspis), Latculoma, Limpeina, Loparella, Lopeuloma, Luyanhaoia, Miaculoma, ?Natmus, Pareuloma (=Gansucephalina), Pesaiina, Plecteuloma, Probilacunaspis, Proteuloma (=Mioeuloma), Pseudoacrocephalites MAKSIMOVA, Sanduspis, Spineuloma, Stigmatoa.

Eurekiidae HUPÉ, 1953

Bandalaspis, Bayfieldia, Corbinia, Eurekia, Lecocephalus, Lochmanaspis, Magnacephalus, Maladia, Tostonia.

Fallotaspidae HUPÉ, 1953

Choubertella, Daguinaspis (=Eodaguinaspis; =Epidaguinaspis), Eofallotaspis, Fallotaspis, Lenallina, Parafallotaspis, Pelmanaspis, Profallotaspis, Repinaella, Wolynaspis.

Gigantopygidae HARRINGTON in MOORE, 1959

Bornemannaspis, Gigantopygus, Parayiliangella, Pseudoyiliangella, Yilliangella (=Palaeoaspis), Yilliangellina, Zhangshania.

Glyptagnostidae WHITEHOUSE, 1936

Agnostardis, Glyptagnostus (=Barrandagnostus).

Harpetidae HAWLE & CORDA, 1847

Arraphus, Bohemoharpes (=Declivoharpes; =Unguloharpes), Bowmania, Brachyhipposiderus, Conococheaguea, Dolichoharpes, Dubhglasina (=Australoharpes; =Sinoharpes), Entomaspis (=Hypothetica), Eoharpes (/Harpina), Eotrinnucleus, Harpes (=Helioharpes; =Reticuloharpes), Heterocaryon, Hibbertia (/Platyharpes; =Harpesoides;

- =Metaharpes; =Paraharpes; =Thorslundops; =Wegelinia, Kathrynia, Kielania (=Lowtheria), Lioharpes (=Fritchaspis), Palaeoharpes, Scotoharpes (=Aristoharpes; =Sclenoharpes).
- Harpididae** WHITTINGTON, 1950
Chencunia, Dictyocephalites, Fissocephalus, Harpides, Harpidoidea, Kitatella, Loganopeltis, Loganopeltoides, Metaharpides, Paraharpides, Pscemiaspis.
- Hebediscidae** KOBAYASHI, 1944
Delgadella (=Alemtejoia; =Delgadodiscus; =Delgadoia; =Pagetiellus; =Pentagonalia), Dicerodiscus, Hebediscus, Luvsanodiscus, Natalina (=Limbadiscus), Neopagetina (/Pagetina), Parapagetia (=Planodiscus), Tchernyshevioidea.
- Holmiidae** HUPÉ, 1953
Andalusiana, Baltobergstroemia, Callavia (=Cephalacanthus/Callavalonia; =Cobboldus), Cambropallas, Elliptocephala (/Georgiellus, /Ebeneria), Holmia (=Esmeraldina), Holmiella, Iyouella, Kjerulfia, Palmettaspis, Postfallotaspis, Schmidtiellus (/Schmidtia).
- Holocephalinidae** HUPÉ, 1953b
Dasometopus, Holocephalina (=Carausia), Holocephalites, Meneviella (/Menevia, /Salteria/ Errinys), Szuyella.
- Holotrachelidae** WARBURG, 1925
Holotrachelus, Kinderlania.
- Homalonotidae** CHAPMAN, 1890
Arduennella, Brongniartella (=Pamirotellus; =Portaginus), Burmeisterella, Burmeisteria, Digonus, Dipleura, Eohomalonotus (/Brongniartia SALTER), Homalonotus, Hucmacaspis, Iberocoryphe, Kerfornella, Leiostegina, Parahomalonotus, Plaesiacomia, Platycoryphe (=Liangshanaspis), Scabrella, Trimerus.
- Hungaiidae** RAYMOND, 1924
Asaphopsoides (=Dainellicauda; =Xiangxia), Ciliocephalus, Dactylocephalus, Dikella, Dikeloccephalopsis, Dikelokephalina, Dikelus, Hungaia (=Acrohybus), Hungioides (=Argentinos), Leimitzia, Meitanopsis, Songtaoia, Warendia, Xiushanopsis.
- Hystricuridae** HUPÉ, 1953
Amblyceranium, Etheridgaspis, Flectihystricurus, Genaliticurus, Glabretina, Guizhouhystricurus, Hillyardina (=Metabowmania), Hintzecurus, ?Holubaspis (/Holubia), Hyperbolochilus, Hystricurus (=Vermilionites), Ibexicurus, Lavadamia, Nyaya, Omuliovia, Pachycranium, Paenebeltella, Parahystricurus, Paraplethopeltis, Politicurus, Psalikilopsis, Psalikilus, Rollia, Rossicurus, Tanybregma, ?Taoyuania (=Batyraspis), Tasmanaspis, Tersella.
- Idahooidae** LOCHMAN, 1956
Aguilarella, Arrhenaspis, Brabbia, Comanchia, Duibianaspis, Elviraspis, Langyashania, Lauzonella, Levisella, Loganellus (=Highgatea), Maladioidella (=Kuruktagella; =Cedarcellus), Noelaspis, Patronaspis, Psalaspis, Pyttstrigis, Saratogia (=Idahoia; =Meeria), Shitaia, Valtroessia, Wafangia, Wilbernia, Zhuitunia.
- Ignotogregatidae** W. ZHANG & JELL, 1987
Ignotogregatus.
- Illaenidae** HAWLE & CORDA, 1847
Alloillaenus, Bumastoides, Dysplanus, Ectillaenus (=Wossekia), Harpillaenus, Hyboaspis, Illaenus (/Cryptonymus; =Actinolobus; =Deucalion; =Svobodapeltis), Nanillaenus, Ninglangia, Octillaenus, Ordosaspis, Parillaenus, Platillaenus, Ptilillaenus, Quadrillaenus, Snajdria, Spinillaenus, Stenopareia, Trigoneckovia, Ulugtella, Vysocania, Wuchuanella, Zbirovia, Zdicella, Zetillaenus.
- Illaenuridae** VOGDES, 1890
Ambonolium, Illaenurus, Lecanopyge, Minicephalus, Olenekella, Platydiamesus, Polyariella, Rasettaspis, Rasettia (/Platycolpus), Resseraspis, Tatonaspis Yurakia.
- Inouyiidae** W. ZHANG, 1963
Catinouyia, Eoinouyia, Huainania, Inouyia, Parahuainania, Parainouyia, Parajialaopsis, Parawuania, Plesiowuania, Proinouyia, Pseudinouyia.
- Isocolidae** ANGELIN, 1854
Cyphoniscus, Effnaspis, Hanzhongaspis, Holdenia (/Tiresias), Isocolus (/Astyages), Kielanella, Liangshanocephalus, Paratiresias, Pradesia, Pseudopetigurus, Taimyraspis, Thoroloculus, Triarthroids.
- Ityophoridae** WARBURG, 1925
Frognaspis, Ityophorus.
- Jakutidae** SUVOROVA, 1959
Argasalina, Bathyuriscellus, Bathyuriscopsis, Daldynia, Gibscherella, Jakutus, Janshimicus, Jucundaspis, Judaiella, Kobdus, Lenaspis, Malykania, Manaspis, Prouktaspis, Uktaspis, Vologdinaspis.
- Judomiidae** REPINA, 1979
Judomia, Judomiella, Paranevadella, Sinskia.
- Kaolishaniidae** KOBAYASHI, 1935c
Anhuiaspis, Ceronocare, Donggouia, Eokaolishania, Eomansuyia, Eotingocephalus, Hapsidocare, Henikaolishania, Kabutocrania, Kaolishania, Kaolishaniella, Liaotropis, Mansuyia, Mansuyites (=Parapalacorona),

?Mimana, Palaeorona, Palemansuyia, Parakaolishania, Paramansuyella (/Paramansuyia), Peiehiashania, Prolloydia, Shidiania, Taianocephalus, Tangjiaella, Tingocephalus, Tugurellum, Wayaonia.

Kingstoniidae KOBAYASHI, 1933

Acheilus CLARK, Ankoura, Blountia (=Homodictya; =Protillaenus; =Stenocombus), Brachyaspidion (/Brachyaspis MILLER, 1936), Bynumia, Bynumina, Calvipelta, Clelandia (/Harrisia; =Bynumiella), Ithycephalus, Kingstonella, Kingstonia (=Ucebia), Kingstonioides, Komaspidella (=Buttsina; =Ataktaspis), Larifugula, Maryvillia, Pugionicauda, Saonella, Shuizuia, Wanwanaspis, Wanwanoglobus, Yanzhuangia.

Kueichowiidae LU, 1965

Kueichowia, Shatania.

Leiostegiidae BRADLEY, 1925

Aedotes, Aethochuangia, Agerina (=Otarionellina/Otarionella), Alloleiostegium, Ampullatocephalina, Annamitella (=Bathyuriscops; =Endoaspis/Wutingia; =Proetiella; =Monella), Aspidochuangia, Baoshanaspis, Brackebuschia (=Bodenbenderia; =Hexianella), Cholopilus, Chosenia (=Leiostegioides), Chuangia (/Schantungia; =Parachuangia; =Pterochuangia), Chuangiella, Chuangina, Chuangioides, Chuangiopsis, Chuangites, Constrietella, Eochuangia, Euleiostegium, Evansaspis, Gonicheirus, Iranaspis, Iranochuangia, Jinanaspis, Kepisis, Leiostegium (=Endocrania), Leptochuangia, Linguichuangia, Loydia, Madaoyuities, Manitouella, Mareouella, Meropalla, Paraojia, Paraleiostegium, Paraonychopyge, Paraszechuanella, Perischodory, Plethopeltella, Pseudocalymene (=Eucalymene), Pseudoleiostegium, Reubella, Sailoma, Shanehengziella, Sobovaspis, Szechuanella, Tinaspis, Xinhuangaspis, Yaopua, Yarmakaspis, Yinjiangia.

Lichakephalidae TRIPP, 1957

Acidaspidella, Acidaspides, Acidaspidina, Archikainella, Belovia, Bestjubella, Brutonia, Colossaspis, Eoacidaspis, Lichakephalus, Lichokephalina, Metaacidaspis, Paraacidaspis, Usoviana.

Lichidae HAWLE & CORDA, 1847

Acanthopyge (=Euargus), Akantharges, Allichas, Amphilichas (/Paralichas/Platymetopus; =Acrolichas; =Kerakephalichas; =Tctralichas), Apatolichas, Arctinurus (/Oncholichas; /Platynotus; /Pterolichas), Autoloxolichas, Borealarges, Ceratarges (/Arges), Ceratolichas, Conolichas (=Cypho-

lichas), Craspedarges, Dieranogmus, Dicanopeltis (=Dicanopeltoides; =Nonix; =Raymondarges; /Trachyllichas; =Tsunyiilichas), Echinolichas, Eifliarges, Gaspelichas, Hemiarges (=Choneilobarges), Homolichas, Hoplolichas (=Cyranolichas), Hoplolichoides, Jasperia, Leiolichas, Lichas (=Apolichas; =Autolichas), Lobopyge (=Belenopyge), Lyrlichas, Mephiarges, Metalcilichas, Metalichas, Metopolichas (/Metopias; =Holoubkovia; =Macroterolichas), Ncolichas, Nipponarges, Ohleum, Oinochoe, Otarozoum, Paraleiolichas, Perunaspis (=Nitidulopyge), Platyllichas (=Linguecephalichas), Probolichas, Pseudotupolichas (=Arctinuroides), Radiolichas (=Diplolichas; =Septidonta), Richterarges, Rontrippia, Terataspis, Terranovia, Trimerolichas, Trochurus (=Corydocephalus; =Plusiarges; =Makromuktis), Uralichas (=Bohemolichas; =Platopolichas), Uripes.

Lisaniidae W.ZHANG, 1963

Dazhuia, Eoshengia (=Baojingia), Extranian, Klimaxocephalus, Lisania (=Aojia), Megalisanian, Metalisanian, Paralisanianella, Paraojia, Parashengia, Platylisanian, Quandraspis, Redlichaspis (=Lisaniella), Rinella, Shengia, Xichuanian.

Liostracinidae RAYMOND, 1937

Aplexura, Doremataspis, Liostracina, Lynaspis.

Llanoaspididae LOCHMAN, 1944

Amquia, Arcuolimbus, Deiracephalus (/Asteraspis), Genevievella (=Placosema; =Nixonella; =Torridella), Llanoaspidella, Llanoaspis, Metisaspis, Nahanniecephalus, Paraecedaria (/Pilgrimia), Rogersvillia, Sacha, Stenelymus, Tagenarella.

Lonchocephalidae HUPÉ, 1953

Amiaspis, Bolaspidellus, Calymenidius, Caulaspina, Caulaspis, Durinia, Glaphyraspis (=Raschella), Graciella, Hawkinsaspis (/Hawkinsia), Interalia, Kuraspis, Kuraspoides, Lazarunkiura, Letniites, Lonchocephalus (=Bueksella), Monosuleatina, Neoglaphyraspis, Nordia, Olegaspis, Prolonchocephalus, Pseudotalbotina, Quebecaspis, Raaschellina, Talbotina, Terranovella, Trymataspis, Weeksina.

Lorenzelliidae W.ZHANG, 1963

Damiaoaspis, Eujinnania, Inouyops, Inoyellaspis, Jiangjunshania, Lonchinouyia, Lorenzella, Paralorenzangella (/Paralorenzella Q.Z. ZHANG), Paralorenzella LUO, Paraporiorenzella, Porilorenzella (=Jinnania), Pseudolorenzella, Ptyctolorenzella, Zhongweia.

- Mapaniidae** W.ZHANG, 1963
Ansigduoa, Hualongia, Mapania, Mapanopsis, Metanomocarella, Paramapania, Pseudomapania, Quitacetra, Quitalia.
- Marjumiidae** KOBAYASHI, 1935c
Anemocephalops, Crepichilella, Glyphopeltis, Holmdalia, Ithyektyphus, Lecanopleura, Loulania, Marjumi, Modocia (=Armonia; =Metisia; =Perioura; =Semnocephalus), Nasocephalus, Nericella, Nericia, Pearylandia, Petruninaspis, Schyilaspis, Shickshockia, Syspacheilus.
- Mayiellidae** W. ZHANG, 1966
Mayiella, Qiaodiella, Qiaotingaspis.
- Menneraspididae** POKROVSKAYA, 1959
Menneraspis.
- Menomoniidae** WALCOTT, 1916
Balderia, Biaverta, Bolaspidella (= Deissella; =Howellaspis), Bridgeia, Coenaspis, Coenaspoides, Deltophthalmus, Dresbachia, Hysteroptera (=Apedopyanus), Josina, Knechtelia, Menomonina (=Densonella/Millardia), Tavsena, Verditerrina.
- Metadoxididae** WHITEHOUSE, 1939
Churkinia, Conomicmacca, Enantiaspis, Fuminaspis, Hongshiyanaspis, Metadoxides (=Anadoxides), Minusinella, Onaraspis, Pratusgusella.
- Metagnostidae** JAEKEL, 1909
Arthrorhachis (=Metagnostus; =Girvanagnostus), Chatkalagnostus (=Oculagnostus), Corrugatagnostus (=Segmentagnostus; =Granulatagnostus; =Cenagnostus), Diplorrhina (=Mesospheniscus; =Quadragnostus; =Pseudoperonopsis), Dividuagnostus (=Pezizopsis), Galbagnostus, Geragnostella, Geragnostus (=Geratrinodus; =Neptunagnostella), Granulagnostus, Homagnostoides, Novoagnostus, Trinodus.
- Missisquoiidae** HUPÉ, 1953
Fuzhouwania, Hardyia, Lunacrania (=Paranumia), Parakoldinioidia (=Macroculites; =Missisquoia; =Rhamphopyge; =Tangshanaspis), Pseudokoldinioidia, Tasmanocephalus.
- Monkaspidae** KOBAYASHI, 1935c
Jinxiaspis, Liaoningaspis, Liaoningella, Metalioparella, Monkaspis (=Kushanopyge; =Paraliaoningaspis), Nomadinis, Proliaoningaspis, Walcottaspidella.
- Namanoiidae** LERMONTOVA, 1951b
Chondrinouyina, Erkelina, Inouyina, Juliaspis, Kassinius, Namanoia, Sinoschistometopus, Tarynaspis.
- Nektaspida** RAYMOND, 1920
Buenaspis, Corcorania, Liwia (/Livia), Misszhouia, Naraoia, Soomaspis, Tarricoia, Tegopelte.
- Neltneriidae** HUPÉ, 1953
Bondonella, Neltneria.
- Nepeidae** WHITEHOUSE, 1939
Ascionepea, Fercnepea, Follicepe, Loxonepea, Nepea, Penarosa (=Trincepa).
- Nevadiidae** HUPÉ, 1953
Buenellus, Cambroinyoella, Cirquella, Limniphacos, Nevadella, Nevada, Plesionevadia, Pseudojudomia, Szuyomia.
- Nileidae** ANGELIN, 1854
Aocaspis, Barrandia, Berkutaspis, Borthaspidella, Bumastides, Elongatanileus, Homalopteon, Illaenopsis (=Eurymetopus; =Procephalops; =Rokycania/Pseudobarrandia), Kodymaspis, ?Lakaspis, Neopsilocephalina, Nileus (=Rcmopleuridioides), Parabarrandia, Parabumastides, Paranileus, Peraspis, Petrobokia, Platypeltoides (/Platypeltis), Poronileus, Psilocephalinella (/Psilocephalus/Psilocephalina/Borthaspis), Shenjiawania, Symphyroxochus, ?Symphysurina (=Symphysurinella; =Symphysuroides), Symphysurus, Troedssonina, Varvia.
- Norwoodiidae** WALCOTT, 1916
Cedaraspis, Garbiella, Hardyoides (=Norwoodina), Holcacephalus, Levisaspis, Norwoodella, Norwoodia (=Whitfieldina), Paranorwoodia, Xenocheilos.
- Odontopleuridae** BURMEISTER, 1843
Acanthalomina, Acidaspis, Anacaenaspis (=Bruxaspis), Apianurus, Archaeopleura, Boedaspis, Borkopleura, Brutonaspis, Calipernurus, Ceratocera, Ceratocephala (=Bouyongia; =Onchaspis; /Traplocera), Ceratocephalina, Ceratonurus, Chlustinia, Dalaspis, Diacanthaspis, Dicranurus, Dudleyaspis, Edgecombeaspis, Eoleonaspis (=Bojokoralaspis), Exallaspis, Gaotania, Globulaspis, Hispaniaspis, Isoprusia (=Mauraspis), Ivanopleura, Kettneraspis (=Grossia), Koneprusia, Laethoprusia, Leonaspis (=Acanthaloma), Meadowtownella, Miraspis (=Elbaspis), Ningnanaspis, Odontopleura, Orphanaspis, Periallaspis, Primaspis, Proceratocephala (=Drummuckaspis), Radiaspis (=Xanionurus; =Charybdaspis), Rinconaspis, Selenopeltis (=Languedopeltis; =Polyeres), Selenopeltoides, Sinespinaspis, Stelckaspis, Taemasaspis (=Gondwanaspis; =Snoderaspis), Uriarra, Whittingtonia.
- Olenellidae** WALCOTT, 1890
Angustolenellus, Arcuolenellus, Biceratops, Bolbolenellus, Bristolia, Fremontella, Fritz-

olenellus, Gabriellus, Laudonia, Lochman-olenellus, Mesolenellus, Mesonacis (=Fre-montia), Mummaspis, Nephrolenellus, Olenel-loides, Olenellus (/Barrandia), Paedumias, Peachella, Wanneria.

Olenidae BURMEISTER, 1843

Acerocare, Acerocarina (/Cyclognathus), Aciculolenus, Anaximander, Angelina (=Keidelaspis), Apoplanias, Asilluchus, Baikonuraspis, Balnibarbi, Bienvillia (=Diatemnus; =Mendoparabolina), Boeckaspis (/Boeckia BRÖGGER; =Sphaerophthalmella), Bondarevites, Bulbolenus, Chekiangaspis, Cloacaspis, Ctenopyge, Cyclognathina, Danarcus, Desmetia, Eoctenopyge, Euonchono-tina, Eurycare, Granitzia, Hanerania, Helier-anella, Highgatella, Huangshiaspis, Hunan-olenus, Hypermeccaspis (=Spitsbergaspis), Inkouia (=Agalatus), Isidrella, Jujuyaspis (=Alimbetaspis), Leiobienvillia, Leptoplas-tides (=Andesaspis; =Beltella; =Chunkingaspis; =Parabolinopsis; =Rampartaspis), Leptoplastus, Leurostega, Magnomma, Mesoctenopyge, Moxomia, Neoolenus, Neoparabolina, Nericiaspis, Olenus (=Simulolenus), Orkekeia, Parabolina (/Odontopyge), Para-bolinella, Parabolina, Parabolinites, Para-olenus, Paraplicatolina, Peltocare, Peltura (/Anthes; =Anopocare), Pelturina, Plicatolina, Plicatolinella, Porterfieldia, Prohedina, Protopeltura, Psilocara, Remizites, Rhodonaspis, Saltaspis, Shihuigouia, Sphaerophthalmus, Svalbardites, Talbotinella, Triarthrus (/Brongniartia EATON), ?Ullaspis, Westergaardia (=Sphaerophthalmoides), Westergaardites, Wujiagiania.

Ordosiidae LU, 1954

Delinghaspis, Kontrastina, Nidanshania, Ordosia, Paralevisia, Plesioinouyella, Poshania, Pseudotaitzuia, Taitzuia, Taitzuina, Tylo-taitzuia, Wanshanian, Xundianian.

Oryctocephalidae BEECHER, 1897

Arthrocephalus (=Arthrocephalites; =Prot-oryctocara; =Oryctocarella), Balangia, Barkly-ella, Cheiruroides (=Inikanella), Curvorycto-cephalus, Duodingia, Duyunaspis, Eorycto-cephalus, Euarthrocephalus, Feilongshania, Haliplanktos, Hunanocephalus, Kunshanaspis, Lancastria (=Changaspis; = Chienaspis; =Goldfieldia; =Paraoryctocephalops; =Pseudolancastria), Metabalangia, Metarth-ricocephalus, Microroryctocara, Neocheirur-oides, Opsiosoryctocephalus, Oryctocara, Oryctocephalina, Oryctocephalites, Orycto-cephaloides, Oryctocephalops, Orycto-

cephalus (=Vinakainella), Oryctometopus, Ovatoryctocara, Paleoryctocephalus, Para-changaspis, Paracheiruroides, Protorycto-cephalus, Sandoveria, Shabaella, Taijiang-occephalus, Teljanzella, Tonkinella, Udjanella.

Pagodiidae KOBAYASHI, 1935c

Arcifimbria, Bienella, Datsonia, Girandia, Idamea, Lichengaspis, Lotosoides, Oreadella, Pagodia, Pagodioides, Phoretropis, Pro-chuangia, Ptychopleurites (/Ptychopleura; =Aposolenopleura; =Punctularia), Sagitaspis, Sagitoides, Selctoides, Wittckindtia.

Palaeolenidae HUPÉ, 1953a

Alataurus, Bajangoliaspis, Enammocephalus, Ferralsia, Gigoutella, Habrocephalus, Hoffet-cella, Latipalaeolenus, Megapalaeolenus, Palae-olenella, Palaeolenides, Palaeolenus, Resim-opsis, Schistocephalus, Torgaschina, Ulak-hanella, Validaspis.

Panderiidae BRUTON, 1968

Hembarrandia (/Pseudonileus KOBAYASHI, 1951b), Ottenbyaspis, Panderia (/Rhodope), Pogrebovites.

Papyriaspidae WHITEHOUSE, 1939

Badainjaranaspis, Metapianaspis, Papyriaspis, Pianaspis, Prohedinaspis, Prohedinia (=Toso-tychia), Sanduhedinaspis, Wandelella, Wang-cunia, Wudangia.

Parabolinoididae LOCHMAN, 1956

Abdulinaspis, Apomodocia, Boestrupia, Croixana, Jasmundia, Kendallina (/Kendallia), Minkella, Orygmaspis, Parabolinoides (=Ber-nia), Pedinocephalus, Pesaiella, Rokaspis, Stigmacephaloides, Taenicephalops, Taenice-phalus (=Bemaspis; =Maustonia), Weishania.

Paradoxididae HAWLE & CORDA, 1847

Acadoparadoxides (/Entomolithus/Entomo-stracites; =Eoparadoxides), Anabaraceps, Anabaraspis, Bajanaspis, Baltoparadoxides, Phanoptes (=Eccaparadoxides; =Macrocerca), Hydrocephalus (=Phlysaecium; =Rejkoceph-alus), Paradoxides (=Vinicella), Plutonides (/Plutonia), Primoriella, Schagonaria, Schoriina.

Peronopsidae WESTERGÅRD, 1936

Archaeagnostus, Cotalagnostus, Eoagnostus, Gratagnostus, Hypagnostus (=Spinagnostus; =Cyclopagnostus; =Breviagnostus; =Meta-hypagnostus), Lisogoragnostus (=Abagnostus; =Scanagnostus), Micagnostus, Peronopsella, Peronopsis (/Mesagnostus; =Euagnostus; =Acadagnostus; =Axagnostus; =Itagnostus), Sphaeragnostus, Svenax.

Phacopidae HAWLE & CORDA, 1847

Acernaspis (=Eskaspis; =Otdenus; =Murphy-

cops), Acuticryphops, Adastocephalum, Afrops, Ainasuella, Altaesajania, Ananaspis, Angulophacops, Arduennops, Atopophacops, Babinops, Boeckops, Burtonops, Chotecops (=Cordapeltis), Cryphops (/Gortania/Microphthalmus), Cultrops, Denckmannites (/Denckmannia), Dianops, Dienstina, Drotops, Ductina, Echidnops, Echinophacops, Eldredgeops, Eocryphops, Eophacops (/Pterygomtopidella: =Bullicephalus), Geesops, Hypsipariops, Illaenula, Kainops, Liolophops, Lochkovella, Nandanaspis, Nephranomma, Nephranops, Nyterops, Omegops, Orygmatos, Paciphacops, Pedinopariops, Phacopidella (/Glockeria), Phacops, Plagiolaria, Portlockia, Prokops, Rabienops, Reedops, Rhinophacops, Rhinoreedops, Sambremcuaspis, Signatops, Somatrikelon, Spinicryphops, Struveaspis, Struveops, Tangbailaspis, Teichertops, Toxophacops, Trimeroccephalus (/Eutrimeroccephalus), Viaphacops, Weyerites, Zaplaops, Zhusilengops.

Pharostomatidae HUPÉ, 1953

Eopharostoma, Paivinia, Pharostomina (=Colpocoryphoides), Prionocheilus (=Pharostoma), Ptychometopus, Thulincola (=Pharostomaspis), Xuanenia.

Phylacteridae LUDVIGSEN & WESTROP in LUDVIGSEN et al., 1989

Aphelotoxon (=Ponumia), Cliffia, Drabia, Phylacterus (=Liostracinoides), Westonaspis.

Pilekiidae SDZUY, 1955

Anacheiruraspis, Anacheirus, Chashania, Demeterops, Emsurina, Koraiopsis, Landyia, Macrogrammus, Metapilekia, Metapliomerops, Parapilekia, Pilekia, Pliomeroides, Pseudopliomera, Seisonia, Sinoparapilekia, Victorispina.

Plethopeltidae RAYMOND, 1925

Arapahoa (=Hesperaspis), Exigua (=Brassicacephalus), Koldinia, Koldiniella, Kuljumbina, Lampropeltis, Leiocoryphe, Meniscocoryphe, Notaiella, Plethopeltides, Plethopeltis (=Plethomctopus; =Enontioura), Plethopeltoides (=Kulyumbopeltis), Poriplethopeltis, Pseudokoldinella, Semicyclocephalus, Stenopilus, Strotocephala, Tolstotchichaspis.

Pliomeridae RAYMOND, 1913a

Anapliomera, Benedettia, Canningella, Colobionin, Coplacoparia, Cybelopsis, Ectenotus, Encrinurella, Evropeites, Gogoella, Guizhoupliomerops, Hawleia, Hintzeia, Humaencrinuroides, Ibexaspis, Josephulus, Kanoshia, Leiostrototropis, Liexiaspis, Ngaricephalus, Obliteraspis, Ovalocephalus

(=Hammatocnemis; =Paratzuchiocnemis), Parahawleia, Parapliomera, Perissopliomera, Placoparia, Pliomera (/Amphion), Pliomerella, Pliomeridius, Pliomerina (/Pliomeraspis), Pliomerops, Protoencrinurella, Protopliomerella, Protopliomerops (=Stototropis), Pseudocybele, Pseudomera, Quinquecosta, Rossaspis, Strotactinus, Tesselacauda, Tienshihfuia, Tzuchiocnemis.

Polycyrtaspididae ÖPIK, 1967

Hebeia, Polycyrtaspis.

Proasaphiscidae W.ZHANG, 1963

Acanthocephalus Alomataspis, Chelidonocephalus, Dananzhuangaspis, Daopingia, Deltocephalus, Derikaspis, Dignaceps, Eoasaphiscellus (/Eoasaphiscus LU & YUAN), Eymeokops (=Kolpura), Farsia, Gangdeeria, Gloria, Grandiocolus (/Megalophthalmus; =Honania), Guankouia, Hadraspis, Hatangia, Heukkyoella, Holanshania, Honanaspis, Hsiaoshia, Huaibeia, Hundwarella (=Anomocaraspis), Hunjiangaspis, Iranochresterius, Iranolccsia (/Irania; =Michaspis; =Heyellingella), Itcheriella, Jiangsuaspis, Jiangsucephalus, Jiangsuia, Jiubaspis, Jixianella (/Jixiania), Koptura (=Parakoptura), Kopungiella, Kutsingocephalus, Leichuangia, Lioparella (=Zhuozishania), Luliangshanaspis, Luonanocephalus, Manchuriella, Maotunia, Memmatella, Miaobanpoia, Paofeniellus, Paragangdeeria, Parazhongtiaoshanaspis, Plectocrania, Plcsigangdeeria, Proasaphiscina, Proasaphiscus, Pseudanomocarina, Pseudonericella, Raduginella, Severina, Shanxiella, Shuangshania, Stella, Sudanomocarina, Szeaspis (=Spitiaspis), Tankhella, Tengfengia, Teratokoptura, Tylotaspis, Ulania, Urjungaspis, Wutaishanaspis, Xiangshania, Xinglongia, Yanshania, Yujinia, Zhaishania, Zhongtiaoshanaspis.

Proetidae SALTER, 1864

Aayemenaytcheia, Acanthophilipsia, Aceropectus, Acropyge, Alaskalethe, Altajaspis, Ameropiltonia, Ameura, Ampulliglabella, Anambon, Anglibole, Angustibole, Anisopyge, Anujaspis, Appendicysta, Aprathia, Archaeocoryphe, Archegonus (Cylindraspis), Ascetopeltis, Astroproetus (=Clypoproetus; =Enodiproetus; =Sibiroproetus), Australokaskia, Bailielloides, Bapingaspis, Basidechenella, Bedicella, Beleckella, Belgibole, Benesovella, Bitumulina, Blodgettia, Bohemi-proetus, Bolivocrania, Boliviproetus, Bollandia, Bonnaspidella, Borealia, Brevibole, Brevi-Phillipsia, Burgesina, Calybole, Camsellia,

Capricornia, Carbonoeryphe, Carbonoproetus, Carlopsia, Carniphillipsia, Ceratoproetus, Chauffouraspis, Chaunoproetoides, Chaunoproetus (=Carnieia), Chiides, Chiops, Chlupacula, Chuanqiano-proetus, Clavibole, Combewoodia, Comptonaspis, Coniproetus, Conophillipsia, Constantina, Craspedops, Crassibole, Crassiproetus, Cummingella, Cyphinioides, Cyphoproetus, Cyrtodechenella, Cyrtoproetus, Cyrtosymbole, Cystispina, Daihuaia, Dayinaspis, Dechenella (/Eudechenella), Dechenelloides, Dechenellurus, Deinoproetus, Delaria, Deltadechenella, Diabole, Diaeoryphe, Ditomopyge (=Cyphinium; =Permo-proetus; =Neophillipsia), Doublatia, Drevermannia, Dudu, Dushania, Effops, Ejinoproetus, Elegenodechenella, Elima-proetus, Elliptophillipsia, Endops, Ense-oryphe, Eoeyphinium, Eoeyrtosymbole, Eodrevermannia, Eomicrophillipsia, Eopalpebralia, Eosoproetus, Eowinterbergia, Erbenaspis, Erbenites, Evagena, Exoehops, Flexidechenella, Formonia, Franeenaspis, Franeonicabole, Frithjofia, Fusciniopyge, Ganinella, Gapeevella, Geigibole, Georhithronella, Gerastos (=Dohmiella; =Kegeliella), Gitarra, Globusia, Globusiella, Globusoidea, Gomiites, Gracemerea, Griffithidella, Griffithides, Grossoproetus, Haasia, Hamioproetus, Hassiabole, Hedstroemia (=Milesdavis; =Paehyproetus), Helioproetus, Helmutia, Helokybe, Hentigia, Hesslerides, Hildaphillipsia, Humeia, Humilogriffithides, Hunanoproetus, Hypaproetus, Iranaspidion, Jimbokranion, Jinia, Karginella, Kaskia, Kathwaia, Kerpenella, Khalfinella, Kollarcephalus, Kolymoproetus, Kosovo-proetus, Krambedrysia, Kulmiella, Kulmogriffithides, Lacunoporaspis, Laevibole, Langgonbole, Latibole, Latiglobusia, Latiproetus, Lauchellum, Lichanoeryphe, Lingua-phillipsia, Liobole, Liobolina, Longilobus, Longiproetus, Lophiokephalion, Lugalella, Luojiashania, Macrobole, Mahaiella, Malaya-proetus, Malehi, Mannopyge, Megaproetus, Menorcaspis, Mercbolina, Metaphillipsia, Mierophillipsia, Microspatulina, Mirabole, Monodechenella, Moravoeryphe, Moseh-glossis, Myoproetus, Namuraspis, Neogriffithides (=Siciliproetus), Neokaskia, Neoproetus, Nipponaspis, Nitidocare, Nodiphillipsia, Novoameura, Nunnaspis, Oehlertaspis (/Oehlertia), Oidalaproetus, Orbito-proetus, Ormistonaspis, Ormistonina, Ormis-

toniella, Osmolskia, Otodechenella, Paladin (=Weberides), Palaeophillipsia, Paleodechenella, Palpebralia, Panibole (=Proliobole), Parachunoproetus, Paradechenella, Parafrihthjofia, Paraglobusia, Paragriffithides, Paramirabole, Parangustibole, Parapalpebralia, Paraphillipsia, Paraproetus, Parawarburgella, Particeps, Parvidumus, Paryfenus (/Colymbus), Pedino-eryphe, Pedinodechenella, Perexigupyge, Perliproetus, Phillibole, Phillibolina, Philliboloides (/Phillibolina), Phillipsia, Phyllaspis, Piltonia, Planilobus, Planokaskia, Plesio-wensus, Podoliproetus, Pontipalpebralia, Praedechenella, Pragoproetus, Prantlia (=Mal-vernocare), Prodiacoryphe, Proetoecephalus, Proetus (/Euproetus; /Aeonina; =Devono-proetus; =Falcatooproetus; =Forbesia; =Seotoproetus; =Trigonaspis), Pseudobollandia, Pseudocyrtosymbole, Pseudodeeh-enella (=Arcticormistonina), Pseudodudu, Pseudogerastos, Pseudophillipsia, Pseudo-proetus, Pseudosilesiops, Pseudospatulina, Pseudowaribole, Pudoproetus (=Zhifangia), Pulcherproetus, Pusillabole, Racrinoproetus, Reediella, Rhenocynoproetus, Rhenogriffides, Richterella, Rosehillia, Rugulites (/Podolites), Ryckholtia, Schaderthalaspis, Schizophillipsia, Schizoproetina, Schizoproetoides, Schizo-proetus, Semiproetus, Scvillia, Silesiops, Simaproetus, Sinobole, Sinocyrtoproetus, Sinopaladin, Sinoproetus, Sinosymbole, Skemmatocare, Skemmatopyge, Spatulina, Spergenaspis, Spinibole, Spinibolops, Struve-proetus, Sulcubole, Tawstockia, Taynaella, Teherkesovia, Tetinia, Thaiaspella, Thaiaspis, Thalabaria, Thebanaspis, Thigriffides, Timoraspis, Triproetus, Tropiconiproetus, Tropicocare, Tschernyschewiella (/Schmidtia), Typhloproetus, Unguliproetus, Vander-grachtia, Vidria, Vittaella, Wagnerispina, Waideggula, Waigatehella, Warburgella (/Holometopus; =Owensella), Waribole, Weania, Weberiphillipsia (=Spinolimbella), Westropia, Weyeraspis, Winiskia, Winter-bergia, Witryides, Xenadoche, Xenoboloides, Xenocybe, Xenodechenella, Xiangzhongella, Xiushuioproetus, Yanshanaspis, Yichangaspis, Yishanaspis, Zhegangula, Zhejiangoproetus.

Prosopiscidae FORTEY & SHERGOLD, 1984
Prosopiseus.

Pterocephaliidae KOBAYASHI, 1935e

?Anecocephalus, Beigongia, Bromella, Camaraspis, Cernuolimbus, Cilia, Dikelo-cephalioides, Dikelocephalites, Dingxiangaspis, Flabellocephalus, Guangxiaspis, Housia

(=Housiella), Jubileia, Labiostrella, Labiostrina (=Abia), Longlingaspis, Lunacephalus, Luotuolingia, Morosa, Parahousia, Paramaladioidella, Pauciella, Pedinaspis, Pedinocephalites, Pelicephalus, Petalocephalus, Plesiocilia, Prchousia, Proapatokephaloides, Prodikelocephalites, Pterocephalia (/Pterocephalus; =Hederacauda), Pterocephalina, Pterocephalopsinus (/Pterocephalops LIN & ZHANG in ZHU et al., 1979), Pulchricapitus (=Reaganaspis), Qilianaspis, Sigmocheilus, Stenambon, Strigambitus, Tiantouzhania, Tunicephalus, Uxunella, Xiaoshiella, Yingziaspis, Yokusenian, Yushugouia, Zhenania, Zhuangliella.

Pterygomtopidae REED, 1905b

Achatella, Bolbochasmops, Calliops, Calyptaulax (=Ligometopus; =Homalops), Carinopyge, Ceratevenkaspis, Chasmops, Denella, Elasmaspis, Eomonorachus, Estoniops, Evenkaspis, Ingriops, Isalaux, Isalauxina, Keilapyge, Liocnemis, Monorakos, Oculichasmops, Oelandiops, Parevenkaspis, Podowrinella, Pterygomtopus, Rollmops, Ruegenometopus, Sceptaspis, Schmidtops, Scopelochasmops, Toxochasmops, Tricopelta, Truncatometopus, Upplandiops, Uralops, Valdariops, Vironiaspis, Volkops, Yanhaoia.

Ptychagnostidae KOBAYASHI, 1939

Allobodochus, Criotypus, Goniagnostus, Lejopyge (/Miagnostus), Myrmecomimus, Onymagnostus (=Agnostonymus), Pseudophalacroma, Ptychagnostus, (=Triplagnostus; =Huaragnostus; =Solenagnostus; =Pentagnostus; =Aristarius; =Aotagnostus; =Acidus; =Canotagnostus; =Zetagnostus), Schismagnostus, Tomagnostella, Tomagnostus.

Ptychaspididae RAYMOND, 1924

Alborsella, Changia (=Coreanocephalus; =Quadraticephalus; =Fengshania), Eoptychaspis, Eowuhua, Euptychaspis, Idiomesus, Kathleenella, Keithia, Keithiella, Macronoda (=Promesus), Plectrella, Proricephalus, Ptychaspis (=Asioptychaspis), Saukioides (/Pseudosaukia; /Jeholaspis), Sunwaptia, Wilcoxaspis.

Ptychopariidae MATTHEW, 1887

Achlysoptysis, Altikolia, Altitudella, Amecephalites, Asthenopsis, Austinvillia, Balangcunaspis, Bashania, Bathyholcus, Bathyocos, Billingsaspis, Binodaspis (=Xilingxia), Blairella, Bolaspidina, Brunswickia, Bulkuraspis, Caborella, Callidaspina, Callidaspis, Cathayanella, Champlainia, Chengshanaspis, Chiughisicus, Chunghwaella, Conopolus, Dananzhuangia, Deltina, Douposicella (=Tongshania),

Elrathina, Entsyna, Eodouposiella, Eokochaspis, Eosoptychoparia, Eospencia, Eurostina, Finecrestia, Gaotanaspis, Gaphuraspis, Gedongaspis, Gunnia (=Ellotia; =Yiliangaspis), Hadrocephalites, Hadrokraspedon, Hamptonella, Hejinaspis, Hemicricometopus, Hewenia, Holasaphus, Horbusonia, Illtydaspis, Jangudaspi, Jialaopsis, Jianchangia, Jimaoshania, Jumenia, Kermanella, Kochaspis (/Palaeocrepecephalus), Kochiella (=Eiffelaspis), Kochiellina, Kochina, Kounamkites, Kuningaspis (=Benxiaspis), Laminurus, Laoyingshania, Lianglangshania, Loriella, Luguoaia, Luxella, Lyriaspis, Majiangia, Manailina, Meitania, Metisella, Mexicella, Monanocephalus, Mopanshanian, Mrassina, Mufushania, Nangaocephalus, Nangaoia, Nangaops, Nangoia, Nassovia, Nelsonia, Neokochina, Nyella, Olenekina, Onchocephalites, Ontoella, Orienturus, Orlovina, Orloviella, Pachyaspidella, Pachyaspis, Palmeraspis, Panacus, Paraeosoptychoparia, Paragunnia, Paramecephalus (=Parahiolites), Paraperiomma, Paraplagiura, Parapoulsenia, Parashuiyuella, Paraziboaspis, Perimetopus, Periomella, Piazella, Pingluaspis, Piochaspis, Plagiura (=Ruichengella; =Plagiurella), Pokrovskayaspis, Poulsenella, Poulsenia, Poulseniella, Probowmania, Probowmaniella (=Proshantungaspis), Probowmanops, Proliostracus, Prometania, ?Protohedinia, Pseudoliostracus, Silostracus, Ptychoparella (=Eoptychoparia; =Syspacephalus; =Elrathina), Ptychoparia (=Agraulopsis; =Ptychoparioides), Qiaotouaspis, Qingshuiheia, Reedus, Regina, Regius, Runnania, Salankanaspis, Sanhuangshania, Sanwania, Schistometopus, Semisphaerocephalus, Seriaspis, Shangarella, Shantungaspis, Shuiyuella, Sinoptychoparia, Spencella, Spencia (=Staurholcus), Stoecklinia, Sujaraspis, Suluktella, Taijiangia, Tianspidella, ?Townleyella, Trachyostracus, Trigonyangaspis (/Trigonaspis), Tukalandaspis, ?Ulrichaspis, Variopelta, Vermoniella, Vica, Volocephalina, Wanhuoia, Weijiaspis, Wuhaina, Xiangshanaspis, Xingrenaspis (=Spitella; =Danzhaina; =Wuxunaspis), Yaoyiyuella, Yohoaspis, Yuknessaspis, Ziboaspidella, Ziboaspis.

Raphiophoridae ANGELIN, 1854

Ampyx (/Brachyampyx), Ampyxella, Ampyxina, Ampyxinella, Ampyxoides, Anisonotella, Bulbaspis, Caganaspis, Carinoecranium, Cerampyx, Cnemidopyge, Collis, Edmundsonia, Ellsaspis, Endymionia (/Endymion),

Globampyx, Jiuxiella (=Miboshania), Kanlingia, Lonchodomas, Malinaspis, Malongullia (=Ampyxinops), Mendolaspis, Metalonchodomas, Miaopopsis, Nambeetella, Nanshanaspis, Parabolbaspis, Parampyx, Pseudampyxina, Pytine, Raphioampyx, Raphiophorus, Raymondella (/Reedaspis), Rhombampyx, Salteria, Sinampyxina, Sinoluia, Taklamakanian (=Xinjiangia).

Raymondinidae CLARK, 1924

Glaphurina, Glaphurus, Raymondina (/Raymondia), Tagazella, Varanella.

Redlichiiidae POULSEN, 1927

Breviredlichia, Chaoaspis, Chengjiangaspis, Conoredlichia, Elganellus, Eoredlichia (=Archaeops; =Saukiandops; =Galloredlichia; =Pararedlichia), Hesa, Igleciella, Irgitkhemia, Jingyangia, Kepingaspis, Kuanyangia, Lati-redlichia, Lemdadella, Leptoredlichia (=Paraleptoredlichia), Maopingaspis, Metaredlichia, Mianxianella, Nebidella, Neoredlichia, Ningqiangaspis, Olgaspis, Pachyredlichia, Parawutingaspis, Parazhenbaspis, Pseudoredlichia, Pseudowutingaspis, Pteroredlichia (=Spinoredlichia), Redlichia (/Hoeferia; =Mesodema; =Dongshania), Redlichops, Sapushania, Sarassina, Sardaspis, Sardoredlichia, Syndianella, Tolbinella, Ushbaspis (=Metaredlichoides), Wengangaspis, Wutingaspis, Xela, Xenoredlichia, Yorkella, Zhanglouia.

Redlichinidae ZHANG & LIN in W. ZHANG et al., 1980a

Asthenaspis, Kolbaspis, Parasajanaspis, Redlichina, Sajanaspis, Sekwiaspis, Tungusella.

Remopleurididae HAWLE & CORDA, 184

Aktugaiella, Amphitryon (/Caphyra; =Brachypleura), Aotiaspis, Apatokephalina, Apatokephaloides, Apatokephalops (=Aristokainella; =Wanliangtingia), Apatokephalus, Apiflabellum, Arator, Artokephalus, Atratebia, Auricula, Binervus, Blosyropsis, Cavia, Deanokephalus, Diplapatokephalus, Dislobosaspis, Eoapatokephalus, Eorobergia, Haniwa, Hastiremopleurides, Hexacopyge, Hualongella, Hukasawaia, Hypodicranotus, Ivshinaspis, Jiia, Jingheella, Jinshaella, Kainella, Kainellina, Kainelloides, Lacorsalina, Lingukainella, Lohanpopsis, Loshanella, Lulongia, Makbelaspis, Mendosina, Menoparia, Naustia, Oculus, Poletaevia, Portentosus, Praepatokephalus, Proapatokephalops, Pseudokainella (=Elkanaspis; =Parakainella; =Fatocephalus), Pugilator, Remopleurella, Remopleurides, Remopleuridiella, Richardsonaspis, Richardsonella (=Lakella; =Protapatokephalus),

Robergia, Robergiella, Scinocephalus, Sculptaspis, Sculptella, Sigmakainella, Spinocephalus, Taishania, Teratorhynchus, Tibikephalus, Tramoria, Yosimuraspis (=Eoyosimuraspis; =Metayosimuraspis).

Rhysometopidae ÖPIK, 1967

Plectrifer, Qiandongaspis, Rhysometopus, Rostrifinis.

Rorringtoniidae OWENS in OWENS & HAMMANN, 1990

Cyamella (/Cyamops; =Paracyamella), Hanjiangaspis, Isbergia, Madygenia (=Pseudobirmanites), Protarchaeogonus, Rorringtonia (=Analocaspi; =Chenaspi; =Trigonoproetus), Solariproetus.

Sarkiidae HUPE, 1953

Sarkia.

Saukiandidae HUPÉ, 1953

Australaspis, Clariondia, Despujolsia, Dolerolichia, Eops, Ezhimia, Longianda, Pareops, Perrector (=Rawops), Planocephalus, Pseudosaukianda, Realaspis, Resserops, Richterops (=Marsaisia), Saukianda.

Saukiidae ULRICH & RESSER, 1930

Anderssonella (/Anderssonia, /Sunina), Calvinella, Caznaia, Danzhaisaukia, Diemansaukia, Eosaukia (=Scolosaukia), Galerosaukia, Guangnania, Hamashania, Lichengia, Linguisaukia, Liquania, Lophoholcus, Lophosaukia, Mareda, Metacalvinella, Mictosaukia, Mictosaukioidia, Paracalvinella, Pileaspis, Platysaukia, Prosaukia (=Stenosaukia), Pseudocalvinella, Saukia, Saukiella, Sinosaukia, Stigmaspis, Tellerina, Thailandium, Wedekindiaspis (/Wedekindia).

Scharyiidae OSMÓLSKA, 1957

Lasarchopyge, Niuchangella, Panarchaeogonus, Scharyia.

Shirakiellidae HUPÉ, 1953

Neoshirakiella, Pseudotaishania, Shirakiella, Yantaiella.

Shumardiidae LAKE, 1907

Acanthopleurella, Changchowilla, Conophrys, Elaphraella, Eoshumardia, Gaoloupingia, Koldinioidia (=Akoldinioidia), Kuruktaspis, Kweichowilla, Leioshumardia, Leoforteyia, Liriamnica, Parashumardia, Puanoccephalus, Shumardia, Shumardoella (/Shumardella), Shumardops, Stigmametopus, Tarimella (=Yinganaspis), Thomondia, Trianguraspis.

Solenopleuridae ANGELIN, 1854

Abakanopleura, Acanthometopus, Acrocephalaspis, Aiaiaspis, Aidarella, Aikhaliella, Albansia, Aldanaspis, Badulesia, Bigranulella, Bijelina, Braintreeella, Canotaspis, Catasoleno-

pleura, Changqingia (=Austrosinia), Colliceus, Conicephalus, Crusoia, Daldynaspis, Datongites, Denaspis, Eilura, Ejinaspis, Erratojincella, Foveatella, Gonzaloia, Gushanaspis, Herse (/Solenopleurina; =Parasolenopleura WESTERGARD), Huzhuia, Hyperoparia, Jiagouia, Jincella, Kabuqia, Kaipingella, Karagandoides, Keguinia, Lashushania, Levisia, Lingyuanaspis, Liosolenopleura, Maiaspis, Manublesia, Markhaspis, Mataninella, Menocephalites (=Parataizua), Minupeltis, Mukrania, Munija, Neoacrocephalites, Neosolenopleurella, Niligna, Ninaspis, Notocoryphe, Paracrocephalites (/Arctaspis), Paramenocephalites (=Solenoparina), Parasolenoparia, Parasolopleurena (/Parasolenopleura POLETAEVA), Parayabeia, Pardailhania, Perneraspis (/Perneria), Pinguia, Plesisolenoparia, Proavus, Protrachoparia, Pseudosolenoparia, Rcillopleura, Rimouskia, Rina, Sao (=Acanthocnemis; =Acanthogramma, =Crithias; =Endogramma; =Enneacnemis; =Goniacanthus; =Micropyge; =Monadina; =Monadella; =Selenosema; =Staurogmus; =Tetracnemis), Shanghaiaspis, Sohopleura, Solenoparia, Solenoparaps, Solenopleura, Solenopleurella, Solenopleuropsis, Squarrosella, Suyougouia, Tabalquia, Tangwangzhaia, Tjungella, Trachoparia, Usumunaspis, Velieuxia, Wafangdiania, Xianfengia, Yabeia.

Styginidae VOGDES, 1890

Alceste, Altaepeltis, Amphoriops, Ancyropyge, Andegavia (=Sagittapeltis), Arctipeltis, Australoscutellum, Avascutellum (=Ctenoscutellum; =Rutoscutellum), Bojoscutellum (=Holomeris), Boreoscutellum, Breviscutellum, Bronteopsis (=Homoglossa), Brontocephalina, Brontocephalus, Bubupeltina, Bumastella, Bumastus, Calyoscutellum, Cavetia, Cekovia, Chichikaspis, Chugaevia, Ciliscutellum, Cornuscutellum, Craigheadia, Cybantyx, Decoroscutellum, Delgadoa, Dentaloscutellum, Dulanaspis, Ekwanoscutellum, Eobronteus, Eokosovopeltis (=Heptabronteus), Eoscutellum, Exastipyx, Excetra, Failleana (=Opsypharus), Flexiscutellum, Goldillaenoides, Goldillaenus, Hallanta, Hidascutellum, Illaenoides, Illaenoscutellum, Izarnia, Japonoscutellum, Kirkdomina, Kobayashipeltis, Kolihapeltis, Kosovopeltis (=Heptabronteus), Kotsypeltis, Lamproscutellum, Leioscutellum, Ligiscus, Liolalax (/Lalax), Litotix, Meitanillaenus, Meridioscutellum, Meroperix, Metascutellum, Microscutellum, Mulciberaspis, Neoscutellum, Octo-

bronteus (=Stoermeraspis/ Stoermeria), Opoa, Ottoaspis, Paracybantyx, Paralejurus, Paraphillipsinella (/Phillipsella; =Protophilipsinella), Perischoclonus, Phillipsinella, Planiscutellum (=Protoscutellum), Platyscutellum, Poroscutellum, Protobronteus, Protostygina, Pseudoeobronteus, Pseudostygina, Quyuania, Radioscutellum, Raymondaspis (/Warburgella RAYMOND), Rhaxeros (/Rhax), Sangzhiscutellum, Scabriscutellum (/Dicranactis), Scutellum (=Bronteus/ Brontes; =Goldfussia/Brontes; =Goldius), Septimopeltis, Spiniscutellum, Stygina, Styginella, Tenuipeltis, Thaleops (=Hydrolaenus), Theamataspis, Thomastus, Thysanopeltella, Thysanopeltis, Tosacephalus, Turgicephalus, Unicapeltis, Uraloscutellum, Waisfeldaspis, Weberopeltis, Xyoeax.

Sunaspidae W.ZHANG & JELL, 1987

Sunaspidella, Sunaspis.

Taihungshaniidae SUN, 1931

Asaphellina, Asaphopsis, Omeipsis, Pacootella, Renhuaia, Taihungshania (=Miquelina), Tungtzuella.

Telephinidae MAREK, 1952

Carolinites (=Dimastocephalus; =Keidelia; =Tafnaspis), Fialoides, Goniophrys, Oopites, Opipeuter (=Ompheter), Paraphorocephala, Phorocephala (=Carrickia), ?Pyraustocranium, Telephina (/Telephus), Telephops.

Toernquistiidae HUPÉ, 1953

Chomatopyge, Mesotaphraspis, Toernquistia (=Paratoernquistia), ?Toernquistina.

Tricrepecephalidae PALMER, 1954

Erediaspis, Meteoraspis (=Greylockia; =Colcopachys), Prometeoraspis, Tricrepecephalus (/Paracrepecephalus).

Trinucleidae HAWLE & CORDA, 1847

Anebolithus, Australomyttonia, Bancroftolithus, Bergamia (=Bohemaspis; =Brandysops; =Cochliorrhoe), Bettonolithus, Botrioides, Broeggerolithus (=Ulricholithus), Costonia, Cryptolithoides, Cryptolithus, Deanaspis, Declivolithus, Decordinaspis, Eirelithus, Famatinolithus, Furcalithus, Guandacolithus, Gymnostomix, Hanchungolithus (=Ichangolithus; =Yinjangolithus), Huenickenolithus, Incaia, Jianxilithus, Lloydolithus, Lordshillia, Marekolithus, Marrolithoides, Marrolithus, ?Microdiscus, Myinda, Myindella, Myttonia, Nankinolithus, Ningkianolithus (=Ceratoolithus; =Hexianolithus), Novaspis, Onnia, Paratretaspis, Paratrinucleus, Parkesolithus, Pragolithus, Protoincaia, Protolloydolithus, Reedolithus, Reuscholithus, Salterolithus

(=Smeathenia), Stapeleyella, Telaeomarolithus, Tetrapsellium, Tretaspis, Trinucleus (/Edgellia), Whittardolithus, Xiushuilithus, Yinpanolithus.

Tropidocoryphidae PŘIBYL, 1946

Alberticoryphe, Astycoryphe, Bojocoryphe, Buchiproetus, Centriproetus, Cornuproetus, Cyrtosymboloides, Dalarnepeltis, Daleje-proetus, Decoroproetus (Ogmocnemis; =Proetidella, Warburgaspis), Denemarkia, Diademaproetus, Dipharangus, Eopiriproetus, Erbenicoryphe, Eremiproetus (=Natatoraspis; =Dufresnoyiproetus), Gracilocoryphe, Gruetia, Guilinaspis, Hollardia, Ignoproetus, Interproetus, Koneprusites, Krohbole, Lardeuxia, Laticoryphe, Lepidoproetus, Linguaproetus, Lodenicia, Longicoryphe, Macroblepharum, Miriproetus, Nagaproetus, Paraeremiproetus, Paralardeuxia, Paralepido-proetus, Parvigena, Perakaspis, Phaetonellus, Phaseolops, Piriproetoides, Piriproetus, Pribylia, Prionopeltis (/Phaetonides/Phaeton), Prodrevermannia, Proetina, Proetopeltis, Pterocoryphe, Pteroparia, Quadratroetus, Rabuloproetus, Ranunculoproetus, Remacut-anger, Richteraspis, Rokycanocoryphe, Sculptoproetus, Slimanella, Spinoproetus, Stenoblepharum (=Viruanaspis), Tafilaltaspis, Tropicoryphe, Tropidocoryphe, Vicinoproetus (/Vicinopeltis), Voigtaspis, Wolayella, Xiphogonium (=Trautensteinproetus), Zetaproetus.

Tsinaniidae KOBAYASHI, 1935c

Blandiaspis, Dictyella, Esseigania, Guluheia, Jiawangshania, Leiaspis, Lonchopygella, Paradiptytes, Shergoldia, Taipakia, Tsinania (=Dictyites, /Dictya), Zhujia.

Tsunyidiscidae S. ZHANG in W. ZHANG et al., 1980a

Tsunyidiscus (=Mianxiandiscus; =Liangshandiscus; =Emeidiscus; =Hupeidiscus; =Shizhudiscus; =Guizhoudiscus).

Utiidae KOBAYASHI, 1935c

Amginouyia, Antagmopleura (=Poljakovia), Chondragraulina, Chondagraulos, Okun-evaella, Utia.

Weymouthiidae KOBAYASHI, 1943

Abakolia (=Costadiscus), Acidiscus, Acimetopus, Analox, Bathydiscus, Bolboparia, Cephalopyge, Cobboldites, Leptochilodiscus (=Kerberodiscus), Litometopus, Mallagnostus (=Ladadiscus; ?=Jinghediscus), Meniscuchus, Ninadiscus, Oodiscus, Runcinodiscus, Semadiscus, Serrodiscus (=Paradiscus), Stigmadiscus, Tannudiscus, Weymouthia.

Wuaniidae W. ZHANG & YUAN, 1981

Eotaitzuia, Houmaia, Inouyella, Jixianaspis, Latilorenzella (=Wuania), Lophodesella, Megagraulos, Pseudosolenopleura, Rencunia, Ruichengaspis, Wuanoidea, Wuhushania, Yunmengshania.

Xystriduridae WHITEHOUSE, 1939

Galahetes, Inosacotes, Polydinotes, Xystridura (/Milesia).

Yinitidae HUPÉ, 1953

Drepanopyge, Drepanuroidea (=Xishuiella), Hongjunshaoia, Longduia, Meitanella, Paokannia, Parapaokannia, Parayinites, Pseudopaokannia, Qingkouia (=Paradrepanuroidea), Yinites, Yunnanaspidella, Yunnanaspis.

Yukoniidae S. ZHANG in W. ZHANG et al., 1980a

Alaskadiscus, Egyngolia (=Mongolodiscus), Ekwapagetia, Hebediscina (=Szechuanaspis; =Zhenbadiscus), Lenadiscus, Yukonia, Yukonides.

Yunnanocephalidae HUPÉ, 1953

Elicicola, Luaspis, Pensacola, Wangzishia, Wenganlenus, Yunnanocephalus (/Pseudoptychoparia).

Zacanthoididae SWINNERTON, 1915

Albertella, Albertellina, Albertelloidea Chuchiaspis, Danjiangella, Delamarina (/Delamarella), Eozacanthoides, Fieldaspis, Mendogaspis, Mexicaspis, Micmaccopsis, Panxinnella, Paralbertella, Parkaspis, Prozacanthoides, Pseudozacanthopsis, Ptarmiganoides, Qingzhenaspis, Stephenaspis, Thoracocare, Tianshanocephalus, Ursinella, Vanuxemella (=Vistoia), Xuzhouia, Zacanthoides (/Embolimus), Zacanthopsina, Zacanthopsis.

AGNOSTINA (FAMILY UNCERTAIN)

Agnostogonus, Armagnostus, Blystagnostus, Delagnostus, Dignagnostus, Gallagnostus, Glaberagnostus (=Toragnostus), Grandagnostus, Hastagnostus, Leiagnostus (=Phoidagnostoides; =Ciceragnostus), Megagnostus, Peratagnostus (=Monaxagnostus), Phalagnostus, Phoidagnostus, Plurinodus, Skryjagnostus, Valenagnostus.

OLENELLINA (FAMILY UNCERTAIN)

Poletaevella.

REDLICHINA (FAMILY UNCERTAIN)

Akbashichia, Fandianaspis, Iolgia, Micangshania, Xingzishania.

FAMILY UNCERTAIN

Aethia, Agyrenella, Aligerites, Altiplanelaspis, Amechilus, Araeocephalus, Arglina, Aulacopleurina, Bifodina, Bijaspis, Carmon, Cayastaia, Chishanheella, Costapyge, Crossoura,

Curiaspis, Deltacare, Dipharus, Discagnostus, Dolgaiella, Entsyna, Eoampyx, Eocheirus, Eulomella, Fabulaspis, Faciura, Fengtienia, Gdowia, Gladiatoria, Gonioteleoides, Goycoia, Hospes, Hybocephalus, Idiorhapha, Irvingelloides, Ishpella, Isidreana, Jonotus, Jurietella, Kirengina, Kleptothule, Loxoparia, Loxopeltis, Lusampa, Macnairides, Maximovella, Metaprodamesella, Muchattellina, Nanshilmenia, Neoprodamesella, Ocononella, Paraxenocephalus, Pcculicephalina, Pichyken, Pliomereilus, Prodamesella (=Metaprodamesella; =Neoprodamesella), Pseudoclelandia, Pseudodipharus, Pseudosalteria, Pseudosarkia, Punctaspis, Qijiangia, Ressleria, Robroyia, Sakhaspidella, Spizharaspis, Subitella, Sukhanaspis (=Kerbinella), Tersiceps,

Thymurus, Toxotis, Trapezocephalina, Typhlokorynetes, Yinaspis, Yoyarria.

FAMILY INDETERMINATE

Aguaraya, Anthracopeltis, Aytounella, Cancapolia, Chalchaquiana, Chambersiellus, Columbicephalus, Cuchulain, Cuyanaspis, Desmus, Diplozyga, Eilidh, Ellesides, Epu-meria, Glossicephalus, Hagiorites, Hoekasp-iella, Hsiaella, Huaquinchai, Huilichia, Kilmahogia, Leptopilus, Levinia, Melopetasus, Mendodiscus, Meneghinella, Menocephalus, Mial, Neilsoniella, Ncochilonorria, Neotaeni-cephalus, Nicoljarvius, Pegelina, Perthiellus, Pichunia, Pichynturia, Piliolites, Pseudo-levinia, Querandinia, Tambakia, Tchabdania, Triarthrella, Yanquetruzia.

NOMINA NUDA

- Acanthaspides IVSHIN, 1956
 Acrocephaliniella POLETAEVA & ROMANENKO, 1970
 Adelopus RAFINESQUE, 1932
 Afghanopyge DOORKOOP et al., 1970
 Aglagalia HUPÉ, 1960
 Aguilarella BENEDETTO, 1977
 Alalites IVSHIN, 1970
 Alataja POLETAEVA & ZHURAVLEVA, 1959
 Aldanaspidella POKROVSKAYA, 1961
 Aldanoceps SUVOROVA, 1961
 Aldoncllus KOPTEV, 1969
 Alsatiops TERMIER & TERMIER, 1950
 Altaepeltis MAXIMOVA, 1968
 Altajaharpes PETRUNINA, 1984
 Altajanella PETRUNINA, 1984
 Amplicephalus STITT, 1970
 Anaspidella PETRUNINA, 1970
 Anatocephalus YAVORSKY, 1940
 Andinopyge BRANIŠA, 1965
 Anopsites RAFINESQUE, 1832
 Antagmellus LERMONTOVA in ZHURAVLEVA & REPINA, 1959
 Antatlaeva HUPÉ, 1960
 Apatokephalopsis LERMONTOVA in YAVORSKY, 1940
 Archaeharpes SINGLETON in BEAVIS, 1976
 Arcipeltis MAXIMOVA, 1968
 Arimichevia POLETAEVA, 1970
 Baltitites BALASHOVA, 1969
 Batchatiella POLETAEVA in POLETAEVA et al., 1970
 Belsuops BALASHOVA, 1967
 Bergerolimbus HUPÉ, 1960
 Bergeronopsis HUPÉ, 1960
 Billingsura ULRICH in ULRICH & COOPER, 1938
 Blackwelderiella GRABAU, 1937
 Bonniaspis KOPTEV, 1972
 Branišia VILLAROEL, 1968 [published as Tarijactinoides].
- Burnetoides IVSHIN, 1962
 Butsiaspis IVSHIN in POLETAEVA et al., 1970
 Calgachia LAMONT, 1978 [see Note 4]
 Carapeltis BALASHOVA, 1967
 Carlopsia LAMONT, 1949
 Cenagnostus WHITTARD, 1940
 Cheirurella APOLLONOV, 1970
 Chinghizella BORUKAEV & IVSHIN, 1952
 Choffatia DELGADO, 1907
 Chondragraulaspis KOPTEV, 1969
 Chondranomocarella POSPELOV & FEDYANINA, 1958
 Chorionotus MEYER, 1853
 Clavagnostotes LU & LIN, 1981
 Conokephaluella HUPÉ, 1960
 Coosellina SIVOV in POLETAEVA et al., 1970
 Coprulus RICHTER & RICHTER, 1939
 Cornucephalus KOLOBOVA, 1969
 Crepicephalops IVSHIN, 1962
 Ctenosura WESTERGARD in KOBAYASHI, 1933
 Devonocoryphe YUAN, 1988
 Dinesina LERMONTOVA in VOLOGDIN, 1940
 Diopsites RAFINESQUE, 1832
 Diplaspis RAYMOND in SCHUCHERT & DUNBAR, 1934
 Elandaspis VINKMAN, 1958
 Ellipsuella HUPÉ, 1960
 Eocorynexochus KOROBEINIKOVA,
 Erbiaspis KOPTEV, 1972
 Erbocephalus SIVOV, 1955
 Fimbricauda PETRUNINA, 1984
 Gentilaspis HUPÉ, 1961
 Geoplaxus RAFINESQUE, 1832
 Grabauia RESSER & ENDO in ENDO, 1932
 Helioproctoides YUAN, 1988
 Hemirhodonella POLETAEVA et al., 1970
 Idiomessina RESSER & ENDO in ENDO, 1932
 Irbitaspis KOROBEINIKOVA, 1974
 Issafenina HUPÉ, 1960

- Iuttooides* PETRUNINA, 1984
Jakutina KOPTEV in KOROBKOVA & KOROBKOV, 1967
Jangudina BOGNIBOVA et al., 1971
Kabutoerina E. ROMANENKO in POLETAEVA et al., 1970
Kaltatina KOPTEV, 1972
Kamlacus PETRUNINA, 1984
Karatalina POKROVSKAYA in VLADIMIRSKY & ZADOROZHNYAYA, 1970
Kegelops ALBERTI, 1970
Kerbiopsis POKROVSKAYA, 1961
Kitatagnostus PETRUNINA, 1966
Kolbinia KOPTEV, 1962
Koobonnia TOMASHPOLSKAYA in BOGNIBOVA, 1965
Kooteniopsis MAKAEV, 1939
Koshkulaspis KOPTEV, 1969
Krejcia NOVAK in PRANTL & PŘIBYL, 1947a
Kupsinellus PETRUNINA in POLETAEVA et al., 1970
Lekanaspis RAYMOND in CLARK, 1924
Levirobergia PETRUNINA, 1984
Liostracephalus IVSHIN, 1970
Ludmilina POKROVSKAYA, 1961
Maakaspis POKROVSKAYA in DEMOKIDOV & POKROVSKAYA, 1965
Macguiganella LAMONT, 1978 [see Note 4]
Megalaspidicus PETRUNINA, 1984
Metaharpes LAMONT, 1948
Metaptcles GREEN in RAFINESQUE, 1832
Modociella IVSHIN in POLETAEVA et al., 1970
Monkaspina POLETAEVA, 1969
Moretaeva HUPÉ, 1960
Munagnostus IVSHIN in KHALFIN, 1960
Nelegrina ROZOVA
Neoldalanaspis ROZOVA in DATSENKO & LAZARENKO, 1964
Neocrepecephalus HSU in HSU & MA, 1948
Octomeris DEKAY in RAFINESQUE, 1831
Olenophalus TOMASHPOLSKAYA in BOGNIBOVA, 1965
Omeishania SUN in TAN & LEE, 1933
Oniscites MARTIN, 1809
Opsidiscinella REPINA in MUSATOV, 1965
Orientaliaspis OGIENKO & SKURATOVA, 1987
Orietella REPINA & OKUNAEVA, 1969
Osceolina ULRICH in ULRICH & RESSER, 1930
Ovacephalus ELLINWOOD, 1953
Owenella WALCOTT, 1908
Palaeoryctocephalops BOGNIBOVA & SHCHEGLOV, 1970
Paracolpoeryphe DESTOMBES et al., 1959
Parakingaspidoidea HUPÉ, 1960
Parapseudagnostus PETRUNINA, 1966
Parazacompus LOCHMAN, 1964
Pentacopyge ZHOU et al., 1999
Pisumia POKROVSKAYA in VLADIMERSKY & ZADOROZHNYAYA, 1970
Phumacephalus SINGLETON in LINDNER, 1964
Planilimbatella ENDO, 1932
Planispinosa ENDO, 1932
Plumocephalus SINGLETON in BEAVIS, 1976
Polytoma BIGSBY, 1868
Preconocephalina POKROVSKAYA, 1961
Protomansuyia ENDO, 1935
Pseudagnostella/Pseudoagnostella, KOROLEVA, 1982
Pseudartabas LAMONT, 1948
Pseudoalokistocare REPINA, 1965
Pseudoinouyina REPINA in MUSATOV, 1965
Pseudotermierella HUPÉ, 1960
Ptychostegium WALCOTT, 1923
Ptychura ENDO, 1932
Qiannanocoryphe YUAN, 1988
Quadrinuraspis IVSHIN, 1962
Quadrogryphaeus DURKOOP et al., 1968
Resseropsis HUPÉ, 1960
Rhyssaspis ZHOU et al., 1999
Richardsoniaspis IVSHIN, 1958
Richteria PHLEGER, 1936
Rochaeva HUPÉ, 1960
Rogeria WALCOTT, 1923
Romaniella ELDRIDGE & BRANIŠA in ELDRIDGE & ORMISTON, 1979
Rosalia POSPELOV & FEDYANINA, 1971
Saouraspis THORAL in POUÉYTO, 1958 [see also WHITEMAN, 1971]
Satpaevella IVSHIN, 1965
Saukaspis ULRICH & RESSER, 1930
Scandagnostus MAKAEV, 1939
Serkisia HUPÉ, 1960
Serksioides HUPÉ, 1960
Setonia SHAW, 1968
Sibiriopeltis PETRUNINA, 1984
Sodalitia WALCOTT, 1923
Sokoliops BURSKIJ, 1970
Solenaspis KOPTEV, 1962
Spissicephalus LOCHMAN, 1940
Stenomtopus ANGELIN in LINNARSSON, 1880
Sulcinotia ZHANG & YUAN, 1979
Suraehia POKROVSKAYA, 1965
Syannigina KOROBEINIKOVA, 1974
Tageneraspis DEMOKIDOV & LAZARENKO, 1964
Taidonurus PETRUNINA, 1984
Tazemmourtia HUPÉ, 1960
Telinus POKROVSKAYA in VLADIMIRSKY & ZADOROZHNYAYA, 1970
Terranurus IVSHIN in POLETAEVA et al., 1970
Tesselacaudella BALASHOVA, 1967
Thielaspis THOMAS & SINGLETON, 1956
Triangularia RESSER & ENDO in ENDO, 1932
Tuberaspis IVSHIN in POLETAEVA et al., 1970
Tivaspis IVSHIN, 1962
Tuvima POKROVSKAYA, 1959
Ukukites POKROVSKAYA, 1961
Ulmia WALCOTT, 1923
Vacuaspis BALASHOVA, 1967
Villicumia HUPÉ in BORELLO, 1971
Zigzuella HUPÉ, 1960

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CLASSIFICATION OF THE TRILOBITE SUBFAMILIES HYSTRICURINAE AND
HINTZECURINAE SUBFAM. NOV., WITH NEW GENERA FROM THE LOWER
ORDOVICIAN (IBEXIAN) OF IDAHO AND UTAH

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The Hystricuridae, previously regarded by most workers as a paraphyletic group, is considered on the basis of new and revised silicified species from Utah and Nevada. Major subgroups of hystricurids appear to be monophyletic, but the sister group relationships of several related families require investigation. The Hystricurinae is restricted to *Hystricurus* Raymond, 1913, *Tersella* Petrunina, 1973, and *Flectihystricurus* gen. nov. (type species: *Hystricurus flectimembrus* Ross, 1951). A new subfamily Hintzecurinae is diagnosed. The subfamily appears to be restricted to the upper Skullrockian Stage, and comprises the new genera *Hintzecurus* (t.s.: *Hystricurus paragenalatus* Ross, 1951), *Genalaticurus* (t.s.: *Hystricurus genalatus* Ross, 1951), *Ibexicurus* (t.s.: *I. parsonsi* sp. nov.), *Lavadamia* (t.s.: *L. joplinae* sp. nov.), *Politicurus* (t.s.: *Hystricurus politus* Ross, 1951), and *Rossicurus* (t.s.: *Hystricurus lepidus* Hintze, 1953). □ *Trilobites*, *Hystricuridae*, *Ordovician*, *Idaho*, *Utah*.

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The Hystricuridae has long been considered a grade group of trilobites from which other elements of the Order Proetida Fortey & Owens, 1975, were derived. Although some speculation has been offered (e.g., Fortey and Owens, 1975), there have been no explicit attempts to demonstrate analytically that particular hystricurids are sister taxa of particular derived families and that Hystricuridae is hence paraphyletic. Obstacles to progress have included the generally very poor knowledge we have of most hystricurid species and relatively sparse sampling of the Skullrockian and Stairsian interval of the Lower Ordovician. Silicified faunas from the Great Basin offer the potential for nearly complete knowledge of many species, including a great number of undescribed hystricurid taxa.

The House Formation is the lowest Ordovician rock unit in western Utah and eastern Nevada. It is well exposed and abundantly fossiliferous in its type area, the Ibex region of western Utah (Fig 1A). Trilobites from the formation were described by Hintze (1953), and coeval faunas from the Garden City Formation in Utah (Fig. 1B) were described by Ross (1951). J.M.A. and

S.R.W. are engaged in a comprehensive, field-based study of the Lower Ordovician (Ibexian) faunas of Ross (1951) and Hintze (1953), the first result of which was revision of some dimorphygids from the upper Fillmore and Wahwah formations (Adrain et al., 2001). We continue the revision here with the description of the Hintzecurinae subfam. nov. comprising 6 new hystricurid genera from the upper House Formation and the equivalent part of the Garden City Formation, together with a new genus of the nominate subfamily.

The new material recovered from the Ibexian of the Great Basin will require many publications to describe fully, and a monograph is in progress on the hystricurids of the House Formation and Garden City Formation equivalent. It is desirable that new genus names necessary to accommodate the hystricurids be made available, in order to facilitate analysis of Skullrockian biostratigraphy and evolutionary patterns, and so that they may be included in the compilation by Jell & Adrain (this volume). To recognise the Hintzecurinae, it is important that the status and content of *Hystricurus* and the nominate Hystricurinae be

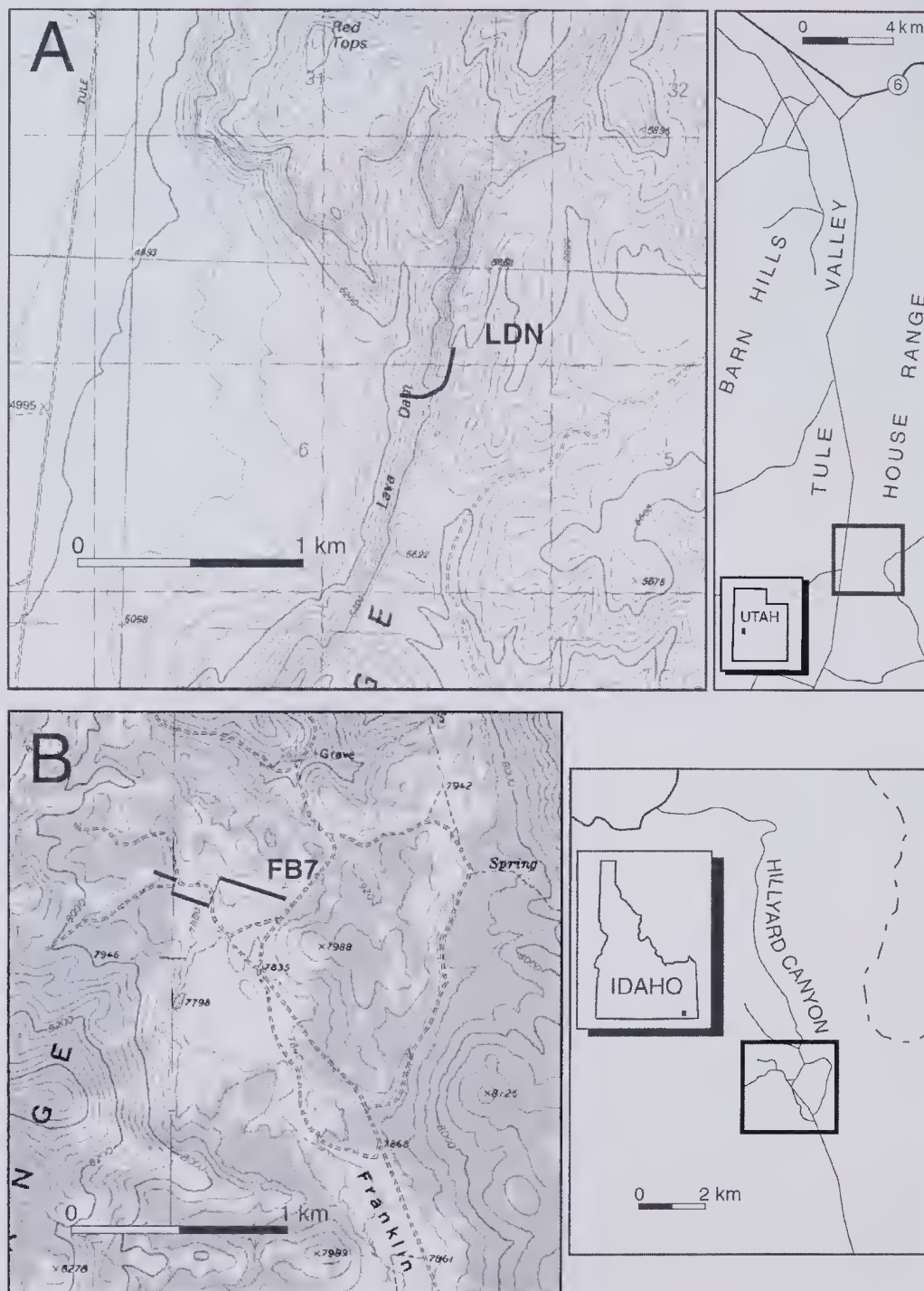


FIG. 1. A, location and line of section Lava Dam North (LDN), Ibox area, southern House Range, Millard County, western Utah. B, location and line of section Franklin Basin 7 (FB7; Locality 7 of Ross, 1951), Bear River Range, Franklin County, southeastern Idaho.

clarified. We refigure the holotype of the type species of *Hystericurus*, illustrate some other members of the genus recovered from the Ibexian of the Great Basin, and erect *Flectihystericurus*. Subsequent publications will describe additional species of the genera erected herein (referred to in remarks on each taxon below) and will treat the remainder of the family.

STRATIGRAPHIC AND BIOSTRATIGRAPHIC BACKGROUND

The lithostratigraphical nomenclature of the Lower and Middle Ordovician succession in western Utah was established by Hintze (1951). The Pogonip Group was a broadly applied term for the package of strata between the distinctive regional marker units of the Dunderberg Formation (Upper Cambrian, Steptoean) and the Eureka Quartzite (upper Whiterockian to Mohawkian). In modern stratigraphic usage, the group is recognized as Lower and Middle Ordovician. In the Eureka district, east-central Nevada (Nolan et al., 1956), the group overlies the Upper Cambrian Windfall Formation, and comprises in ascending order the Goodwin, Ninemile, and Antelope Valley Formations. Hintze (1951) recognised the Pogonip Group in western Utah and easternmost Nevada as overlying the Upper Cambrian Notch Peak Formation (Walcott, 1908; see Hintze et al., 1988) and comprising in ascending order his new House, Fillmore, Wahwah, Juab, Kanosh, and Lehman Formations.

The type section of the House Formation is Hintze's (1951, 1953) Section A in the central House Range of the Ibex area. Other important sections reported on by Hintze (1953) include his Section B and basal Section C (the southern House Range) and Section E (Middle Mountain, to the west of Crystal Peak and immediately northwest of the Wah Wah Mountains). Other sections including part or all of the House Formation that have received substantial study include Lava Dam Five (Hintze et al., 1988) and Lava Dam North (Hintze, 1973) in the southern House Range, Lawson Cove (Miller et al., 2001) in the northern Wah Wah Mountains, and a section in the northwestern Drum Mountains (Miller et al., 2001). Miller et al. (2001) divided the formation into three members, in ascending order, the Barn Canyon, Burnout Canyon, and Red Canyon Members (Fig. 2).

Two prominent units within the House Formation form useful regional marker beds. The massive upper bed of the formation lies

immediately above a characteristic articulate brachiopod coquina that is also rich in sclerites of trilobites presently assigned to *Paraplethopeltis* (Hintze's [1953] Zone C, and Ross et al.'s [1997] 'Paraplethopeltis Zone'). The upper bed is clearly distinguished in steeper cliff-forming sections, and the contact with the overlying and lithologically similar Fillmore Formation is drawn at the point at which the rocks become slope-forming. This physiographic expression can vary, however. In sections along Middle Mountain, the lowest beds of the Fillmore are more resistant than in the southern House Range and form additional small cliffs rather than a slope. A second regional marker is the cliff-forming Burnout Canyon (middle) Member of the House Formation. This 15-20m thick unit is heavily chertified and forms a characteristic rusty brown cliff throughout the Ibex area. Hintze (1951, 1953) referred to it as the 'brown marker bed'.

There are few lithological criteria separating the Barn Canyon Member of the House Formation from the underlying Lava Dam Member of the Notch Peak Formation. The boundary has been drawn on physiographic evidence, namely a break in slope from the cliff-forming Notch Peak to the ledge-and-slope forming House, and also on the upper extent of stromatolitic units common in the Lava Dam Member. Miller et al. (2001) noted that development of stromatolites is often laterally discontinuous and shows significant regional variation. They instead defined the base of the House Formation on the occurrence, said to be geographically widespread, of a coquina formed of sclerites of the trilobite *Symphysurina*. This significantly extends the stratigraphic range of the House Formation, as this boundary is 40m lower than that of Hintze et al. (1988; Miller et al., 2001).

With this redefined boundary, the base of the House Formation corresponds nearly exactly to the base of the *Symphysurina brevispicata* Subzone, according to the trilobite identifications of Loch et al. (1999). In current trilobite biostratigraphy, the '*Symphysurina* Zone' of Ross et al. (1997) extends through the Burnout Canyon Member (although identifiable fossils are sparse in these rocks). The Red Canyon Member includes the '*Bellefontia-Xenostegium* Zone' ('*Bellefontia* Zone' of Miller et al., 2001, fig. 1) and, near its top, the '*Paraplethopeltis* Zone'. The base of the '*Leioostegium-Kainella* Zone' of the overlying Stairsian Stage is drawn at the base of the uppermost massive bed of the

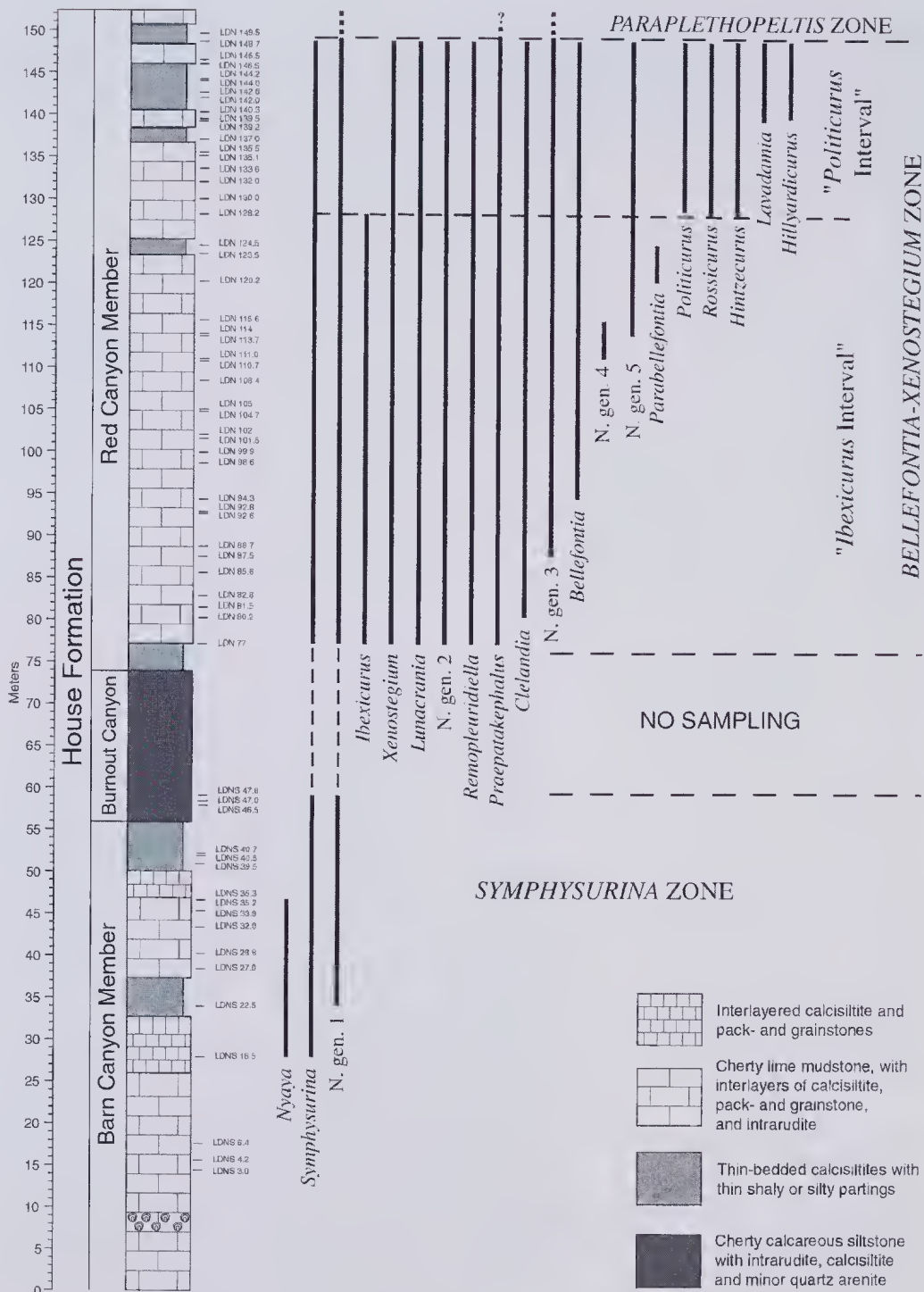


FIG. 2. Sampling horizons and trilobite genus ranges in the House Formation, section Lava Dam North (see Fig. 1). The ranges of all recovered taxa are depicted, including the six new genera described herein plus a further five unnamed genera (N. gen 1-5).

House Formation. The candidate for the global Cambrian-Ordovician boundary datum, the first appearance of '*Iapetognathus* sp. nov. 1' occurs within the '*Symphysurina* Zone', near the base of the '*Symphysurina bulbosa* Subzone' (Loeh et al., 1999; Miller et al., 2001).

Miller (1969) documented the conodont succession of the upper Notch Peak and lower House Formations and Ethington (1978) and Ethington & Clark (1981) treated the conodonts of the House Formation. Popov et al. (2002) described inarticulate braehiopods from the boundary interval. Despite generally good knowledge of House Formation biostratigraphy, the most common macrofaunal elements - trilobites - remain extremely poorly known. No photographic illustrations or systematic revisions of House Formation trilobites have appeared since Hintze (1953). Trilobite biostratigraphy of the boundary interval has been discussed only on the basis of unverified identifications in faunal lists and species range charts (Ross et al., 1997; Loeh et al., 1999; Miller et al., 2001), and these have been concentrated mostly on the Cambrian-Ordovician boundary.

Similarly the only published illustrations of trilobites from the Skullrockian part of the Garden City Formation since Ross (1951) are of material from the Cambro-Ordovician boundary interval at Ross's Locality 7 (FB7 of this paper) by Taylor & Landing (1982, text-fig. 5).

Both regions, and in particular the House Formation in the Ibex area, contain some of the richest and best preserved silicified trilobite faunas in the world. The Skullrockian faunas are dominated by hystrieurids, *Symphysurina* and asaphids, with less common remopleuridids, missisquoiids, and *Clelandia*. In this paper, we begin a full revision of the hystrieurids from the Skullrockian of the Ibex area and Bear River Range. Ross (1951) and Hintze (1953) together formally named only five species of Skullrockian hystrieurids: *Hystrieurus millardensis* Hintze, 1953, from the Barn Canyon Member, *Hystrieurus genalatus*, *H. paragenalatus* and *H. politus* (all Ross, 1951) from the lower Garden City Formation and *H. lepidus* Hintze, 1953, from the Red Canyon Member. All of Ross's species also occur in the Red Canyon Member in the Ibex area. New field sampling has revealed at least 32 new hystrieurid species from the Skullrockian part of these sections.

Of these previously named species, a pygidium was confidently assigned only for *H. millard-*

ensis. *Hystrieurus lepidus* was based on a cranidium and two librigenae. The librigenae are not congeneric with the cranidium (see below) and hence the species has until now been known from a single specimen.

MATERIALS AND METHODS

REPOSITORY. All illustrated material is housed in the Paleontology Repository, Department of Geoscience, University of Iowa, with specimen number prefix SUL.

ABBREVIATIONS. Sag. = sagittally; exsag. = exsagittally; tr. = transverse.

SAMPLING. *Garden City Formation.* We have remeasured and recollected sections at Ross's (1951) localities 5 (east side of Hillyard Canyon; our HC5), 6 (west side of Hillyard Canyon; our HC6) and 7 (Franklin Basin, just south of Hillyard Canyon; our FB7) in the Bear River Range of southeastern Idaho. New section measurements at all three localities begin at the contact between the St. Charles Formation and the Garden City Formation, and are hence directly comparable to the footages above this contact given by Ross (1951). The holotype of *H. genalatus* is from Section HC6 and those of *H. paragenalatus* and *H. politus* are from FB7. Beds yielding silicified fossils are relatively few in the Garden City Formation, at least as compared to the Pogonip Group in the Ibex area. Upper Skullrockian faunas occur at HC6 27.0-31.5m and at FB7 39.2-44.0m, and these intervals are surely the type localities for Ross's Skullrockian species. They are uniform between the sections with all species shared. An upper Skullrockian fauna also occurs at Section HC5 38.1m, but comparison with the undescribed faunal succession in the Ibex area indicates it is older than the HC6/FB7 horizons. It contains undescribed species of *Rossicurus* and *Politicurus*, but appears to have no species in common with HC 6 27.0-31.5 and FB7 39.0-44.2m. Ross (1951) did not report sample sizes. We processed more than 90kg of rock from FB 7 39.2-44.0m. We have not counted trilobite sclerites, but total sample size is on the order of thousands of specimens.

Some material is described from the Stairian of the Garden City Formation, including specimens from 'Zone E' ('*Tesselacanda* Zone') at Section HC5 106.7m and FB7 102.1m, and from 'Zone F' ('*Rossaspis superciliosa* Zone') at Section HC6 127.5-131.3m.

House Formation. We measured and collected sections in the Ibcx area at Lava Dam North (Fig. 2; southern House Range; our LDN and LDNS), the topmost part of Section B (southern House Range, about 3km north of Lava Dam North; our B-TOP), all of Section E (our EEE) at Middle Mountain, and a section through the uppermost House and Fillmore farther to the north on Middle Mountain (our MME). All House Formation material figured herein was collected from section LDN.

At Lava Dam North, it is possible to access the top of the section via a rough jeep track leading from a road running north from the Steamboat Pass road (Fig. 1A). This allowed extensive sampling of silicified fossils. We collected 43 horizons in the type section of the Red Canyon Member at LDN, a mean sampling density of one sample per 1.69m. Sampling is fairly evenly spaced throughout the member (Fig. 2). Only the uppermost sample, LDN 149.5m, failed to yield abundant silicified fossils. This sample is from the brachiopod coquina of the '*Paraplethopeltis* Zone'. Large '*Paraplethopeltis*' sclerites were evident in outcrop, but only fragmentary librigenae were silicified. Fossils in these beds are pervasively silicified at section B-TOP. The other 42 horizons yielded abundant and well preserved silicified trilobites. The amount of rock processed from each horizon ranged from 2.68kg to 34.42kg, with an average of 12.22kg. Full counts of silicified trilobite sclerites have not been made, but numbers per horizon range from dozens in the smallest samples to typically hundreds in most samples, to thousands in the richest samples.

This level of sampling contrasts markedly with that which Hintze (1953) was able to carry out. Hintze reported collections from 15 trilobite-bearing House Formation horizons at Section E, 11 from Section B, and 9 from Section A. This is a stratigraphic sampling density about 15-25 % as intense as ours (we collected 57 trilobite-bearing horizons in total at LDN and LDNS). Taking into account the probable contrasts in individual sample sizes (Adrain et al., 2001: 947-948), overall sampling intensity in the present study may be conservatively estimated as at least a 40-fold increase over that on which the Ross et al. (1997) biostratigraphy was based.

Our line of section at LDN is not identical to Hintze's (1973; followed by Miller et al., 2001). The lower part of Hintze's section proceeds up a slope to the north of a prominent gully leading to the upper part of the section. This line of section

was evidently chosen for posterity, so that the painted numbers left by Hintze (1973) would be available for future investigators. A section within the gully, by contrast, is much more subject to change through flash flooding and storm runoff. However, it is also much more fully exposed than the section on the slope and is where we chose to measure the bottom part of our section. Our LDN section joins Hintze's (1973) Lava Dam North section in the lower part of the type section of the Red Canyon Member, and the sections are largely coincident from that point on (but see discussion of fault below). Silicified fossils are most easily prospected and collected in slope-and-ledge forming ridge-crest exposures, where beds often weather in bedding plane exposures. The Red Canyon Member in the upper part of LDN is weathered and exposed in this way, but the Barn Canyon Member is more steeply exposed in both the gully of our section and the slope of Hintze's section. However, the upper part of the Barn Canyon Member is well exposed on a ridge crest immediately to the south of LDN, which we measured and collected as Section LDNS. All of our Barn Canyon collections at Lava Dam are from LDNS and all of our Red Canyon collections are from LDN. Figure 2 shows the LDN section, with the position of the LDNS collections in their correlative positions. Bed by bed correlation of the sections is trivial, as they are adjacent and both include the datum of the base of the Burnout Canyon Member. We did not obtain trilobites from the Burnout Canyon Member.

The described type section of the Red Canyon Member (Hintze, 1973; Miller et al., 2001) contains one significant error in the interval of 480-496' of Hintze's measurements. Here Hintze's section runs across a low saddle in the ridge. Miller et al. (2001: 64) described continuous section across this feature: 'Unit is poorly exposed in a low saddle; dip of beds indicates a small syncline in this saddle [486-488]'. In fact, the saddle is a fault block. There is a prominent trilobite-rich bed at 480' at the base of the saddle, which lies just beneath a distinctive brown siltstone bed. The same bed (with an identical fauna) is repeated at 488' on the far side of the saddle. We collected another rich bed at 494' at the end of the saddle, and an extremely rich bed dominated by the asaphid *Parabellefontia* at 496'. These horizons, however, are separated by a fault which terminates the saddle. Section is continuous downslope beneath Hintze's 496' and to the north

of the fault. Here, the rich 480'/488' trilobite bed can be located in exactly the same proximity to the distinctive brown siltstone as at 480' on the far side of the saddle. These beds can therefore be used to correlate across the complex faulted interval. In our measurement, the rich 480'/488' trilobite bed occurs at LDN 113.7m, the siltstone at LDN 114.0m, the 494' trilobite bed is repeated at LDN 115.6m, and the *Parabellefontia* bed (496' in Hintze's measurement) is at LDN 124.5m. Hence, the Hintze & Miller et al. sections repeat 8 feet of section, but omit about 9m (which is faulted out between their 494' and 496'). This is significant because the affected interval is rich in silicified trilobites and contains substantial species turnover.

Fillmore Formation. Although this paper concentrates on hystricurids from the upper House Formation and equivalent, some Stairsian material from the Fillmore Formation is figured to illustrate the basis for the revised diagnosis of the Hystricurinae provided below. We measured and redescribed the lower Fillmore Formation at our Section MME, Middle Mountain (see above) and Hintze's Sections C and G. At MME, the contact between the House and Fillmore Formations is drawn at 8.8m. 'Zone D' (*Leiostegium-Kainella* Zone') and 'Zone E' (*Tesselacauda* Zone') are represented at MME by rich silicified faunas. The top of the section (MME 132.0m) is within 'Zone F' (*Rossaspis superciliosa* Zone'). Section G begins within the lower Fillmore Formation. The lower part of the section has not yielded silicified collections. The first rich horizons encountered, from which some specimens are figured herein, are at G 26.6m and 27.0m. These faunas are not easily assigned to either 'Zone E' or 'Zone F' and are in a stratigraphically intermediate position between them. They are similar in generic composition to both but share few or no species with either zone. This interval awaits proper biostratigraphic zonation once the faunas are more fully described. A rich horizon at G 48.5m is within 'Zone F' (*Rossaspis superciliosa* Zone').

SYSTEMATIC PALAEOONTOLOGY

Family HYSTRICURIDAE Hupé, 1953

INCLUDED GENERA. *Amblycranium* Ross, 1951; *Etheridgaspis* Kobayashi, 1940; *Flectihystricuris* gen. nov.; *Genalaticurus* gen. nov.; *Glabretina* Lochman, 1965; *Guizhouhystricuris* Yin in Yin & Li, 1978; *Hillyardina* Ross, 1951 (= *Metabowmania*

Kobayashi, 1955); *Hintzecurus* gen. nov.; *Hystricuris* Raymond, 1913 (= *Vermilionites* Kobayashi, 1955); *Hyperbolochilus* Ross, 1951; *Ibexicurus* gen. nov.; *Lavadamia* gen. nov.; *Nyaya* Rozova, 1963; *Omuliovia* Chugaeva, 1962; *Pachycranium* Ross, 1951; *Paenebeltella* Ross, 1951; *Parahystricuris* Ross, 1951; *Paraplethopeltis* Bridge & Cloud, 1947; *Politricurus* gen. nov.; ?*Psalikilopsis* Ross, 1953; ?*Psalikilus* Ross, 1951; *Rollia* Cullison, 1944; *Rossicurus* gen. nov.; *Tanybregma* Jell & Stait, 1985a; *Tasmanaspis* Kobayashi, 1940; *Tersella* Petrunina, 1973.

EXCLUDED OR QUERIED GENERA. *Natmus* Jell, 1985, from the Digger Island Formation of Victoria is an exceedingly micropygous trilobite with a cephalic caecal sculpture of raised, anastomosing lines, prominent pits in the anterior border furrow, and a pustulose swelling in the preglabellar field in some specimens. It was one of the examples used by Fortey & Hughes (1998) in their argument that the preglabellar swelling represented a brood pouch. In this view, Jell's (1985) species *N. victus* and *N. tuberus* are potential sexual dimorphs of a single species. *Natmus* is similar in many respects to Late Cambrian *Crucicephalus ocellatus* Shergold, 1972, and Early Ordovician *Amzasskiella* Poletaeva in Khalifin, 1960 (= *Triplacephalus* Lu & Qian in Zhou et al., 1977, fide Peng, 1984). All have very similar, eulomid-like, glabellar furrows, strong caecal sculpture on the cephalic pleurae, extremely strong eye ridges, anterior border furrow pits, preglabellar 'brood pouch' swelling in at least some specimens, and many thoracic segments with a minute pygidium. *Natmus* differs from the other taxa mainly in that its pleural lobes are not extremely broad and 'olenimorph' (sensu Fortey & Owens, 1990). Jell (1985) noted that there were no obvious comparisons of *Natmus* within the hystricurids, beyond a general resemblance to *Psalikilus* Ross, 1951. *Psalikilus pikum* Hintze, 1953, is strikingly homomorphic on *Natmus* in general cranial dimensions, prominent eye ridge, and stalked eye, but lacks the caecal sculpture, preglabellar swelling, anterior border furrow pits, and extremely micropygous condition. Instead it has the conventional tuberculate sculpture and paired cephalic spine array typical of hystricurids. Hence, we regard *Natmus* as unrelated to the hystricurids. Classification of the group to which it belongs requires work. Lu and Qian (in Zhou et al. 1977) erected *Triplacephalidae* for *Amzasskiella*, *Crucicephalus*, and *Triplacephalus*

(since placed in synonymy of *Amzasskiella*), but the broader affinity of this 'family' is uncertain. Peng (1990) placed it in synonymy of Nepeidae Whitehouse, 1939, a group with a rich history in the Middle and Upper Cambrian of Australia (e.g., Öpik, 1967, 1970), an opinion followed by Fortey & Hughes (1998).

Taoyuania Liu in Zhou et al., 1977 (= *Batyraspis* Apollonov & Chugaeva, 1983), fide Lu & Zhou, 1990, Peng, 1990), has been considered a hystricurid, but its affinities are problematic. It is known from the uppermost Cambrian and lower Tremadoc. Cranidia of species of *Taoyuania* achieve a fairly large adult size, with prominent, dense, tuberculate sculpture on the cranium, a long anterior border, large palpebral lobes, and a slender occipital spine (Peng, 1990, pl. 8, figs 1-9). They certainly bear strong resemblance to hystricurids. Librigenae are unknown. There are problems with a hystricurid affinity, however. Peng (1990: 86) felt that the pygidium of *Taoyuania nobilis* Peng, 1984 (Peng, 1984, pl. 9, fig. 6) 'shows a close relationship to some hystricurid genera on account of the transversely semi-elliptical outline, the short (sag.) axis and the bisected pleurae'. While this is generally true, it also bears prominent and densely spaced terrace lines, subparallel with its margin, distributed across its broad and concave border and onto its pleurae. This morphology is unknown in any hystricurid. Further, the glabella is hour-glass shaped, pinching in the opposite the front of the palpebral lobe, then expanding around the frontal lobe. This, too, is unknown in any hystricurid, but is characteristic of leiostegiids. Apollonov and Chugaeva (1983) classified their *Batyraspis*, which we agree is a synonym of *Taoyuania*, in Leiostegiidae. Peng (1990), in arguing for a hystricurid affinity, noted that a prelabellar field is not typical of leiostegiids. The prelabellar field of *Taoyuania* is very short, however, particularly sagittally, and it appears to bear a very weakly developed plectrum (Peng, 1990, pl. 8, figs 1,2,4), indicating a possibly conterminant hypostome (sensu Fortey & Hughes, 1990). Available evidence is equivocal: *Taoyuania* may prove to be a hystricurid, or it may prove to be a leiostegiid.

Holubaspis Přibyl, 1950, is distributed through the Bohemian lower and upper Tremadoc (see Mergl, 1984, 1994). It has been classified (Vaněk, 1965; Mergl, 1984, 1994) as Hystricuridae, with Vaněk (1965) making comparison with *Psalikilopsis* Ross, 1953. The

genus does not resemble *Psalikilopsis*. The pygidium of *Holubaspis*, misassigned by Vaněk (1965) to *Eulomina* (Mergl, 1984: 37), is very small, with only two axial rings and a narrow pleural area, whereas that of *Psalikilopsis* is large, with four axial rings, a large, vertical 'border', and flange-like pleural processes which merge and project posteriorly as a spine (Ross, 1953, pl. 63, figs 2, 6, 7). The cranium of *Psalikilopsis* has a distinct prelabellar field, whereas that of *Holubaspis* entirely lacks one. *Holubaspis* does have a tuberculate sculpture on the cranium and particularly on the librigena (Mergl, 1994, pl. 4, figs 7, 8) that is very similar to that developed by hystricurids. Its vaulted cephalon and librigenal spine, which is nearly lost in the holaspid, is broadly comparable to those of some undescribed taxa from the House Formation, and its hypostome (Mergl, 1984, pl. 4, fig. 10) is strikingly similar to those we have recovered in association with Great Basin hystricurids. Its pygidium, however, is not closely comparable to that of any other hystricurid. *Holubaspis* seems best regarded as a possible hystricurid, but evaluation of its close affinity may require discovery of new data.

Kobayashi (1955) erected a number of genera from the McKay Group of southern British Columbia, Canada, with type species known from sparse (often single specimen) and poorly illustrated material. Potential hystricurids among these include *Gonioteloides*, *Metabowmania* and *Neotaenicephalus*. We agree with Boyce (1989) that *Metabowmania* is a junior synonym of *Hillyardina*. *Neotaenicephalus* is so poorly known (a single very poorly preserved cranium) that it is impossible to compare with other taxa. We consider it a nomen dubium and restrict it to its type. *Gonioteloides* is problematic. Berg & Ross (1959) illustrated a pygidium assigned to *G. cf. monoceras* Kobayashi, from the Manitou Formation of Colorado, and compared its prominent posterior projection with those of *Psalikilopsis cuspidata* Ross, 1953, and *Psalikilus paraspinosum* Hintze, 1953, which they illustrated (Berg & Ross, 1959, pl. 21, fig. 6) for the first time. Cephalic morphology of *Gonioteloides*, however (Adrain & Westrop, unpubl. data) is not remotely comparable to that of *Psalikilus*. We regard the affinities of *Gonioteloides* as uncertain pending full documentation.

REMARKS. The origin and phylogenetic structure of Bathyruridae is the subject of work in progress by J.M.A. and S.R.W. Of relevance here

is the status of *Omuliovia* and *Etheridgaspis*. Zhou & Fortey (1986) assigned *Omuliovia* Chugaeva, 1962, to the Bathyuridae, noting its close similarity and possible synonymy with the then poorly known *Etheridgaspis* Kobayashi, 1940. The type species of *Etheridgaspis* was revised by Jell & Stait (1985b), who classified the genus as Hystricuridae. They noted similarity with *Omuliovia*, and considered that 'If this similarity has any phylogenetic basis it could be used in support of the suggestions by Fortey and Owens (1975) that the Bathyuridae, where *Omuliovia* is placed, may have evolved from the Hystricuridae'. This implies a monophyletic Bathyuridae and a paraphyletic Hystricuridae. Zhou & Fortey, in contrast, stated 'Fortey and Owens (1975: 229) concluded that some of the bathyurids may have had their origin in the subfamily Hystricurinae. The transitional characters of *O. granosa* between bathyurid and some earlier hystricurid forms indicate that *Omuliovia* is most likely one of the bathyurids which were derived from the hystricurid stock'. This implies a polyphyletic Bathyuridae and a paraphyletic Hystricuridae. This reflects an earlier suggestion by Fortey & Owens (1975: 228-229) that the 'bathyurines' may have had an independent 'hystricurid' origin than did the 'bathyrellines'. If this were really the case, then maintaining them together in the Bathyuridae would be unsupported and they should be classified as separate families. Further, if both *Omuliovia* and *Etheridgaspis* were truly sister taxa to some or all Bathyuridae, they should be classified as such, instead of in a paraphyletic Hystricuridae. We consider, however, that both genera are hystricurids and are not related to Bathyuridae. Based on work in progress and new Ibexian diversity, we regard Bathyuridae as monophyletic. Bathyurinac and Bathyrellinae, however, are unlikely to each prove monophyletic as presently conceived.

Hystricurus has been one of the biggest, largely meaningless, taxa of convenience in post-Cambrian trilobite work. The bulk of hystricurid species, most inadequately described, have been assigned to the genus. Reasons for this are twofold. First, most hystricurid species have been very poorly known. Even those described by Ross (1951) and Hintze (1953) have typically not been definitely associated with pygidia or even librigenae and, although well illustrated for their time, much more comprehensive documentation is possible. In general, tuberculate hystricurids have simply been

assigned to *Hystricurus*. A second reason is that the morphology of the type species, *H. conicus* has been obscure, allowing indiscriminate treatment of the genus. *Hystricurus conicus*, like many of Raymond's genera and type species, should not have been designated type species of a new genus. It is based on a single poorly preserved specimen which has previously not been photographically illustrated. However, with the additional material described by Desbiens et al. (1996) and revision of the holotype (see below), its affinity among better known species is clear. The distinctive clade to which it belongs can now be effectively diagnosed, and the concept of its subfamily clarified.

Work in progress on comprehensive revision of all previously named hystricurid species along with an even greater number of new and undescribed taxa from the Pogonip Group and the Garden City Formation facilitates a new classification of the Hystricuridae. Previously almost universally regarded as a paraphyletic group (e.g., Fortey & Owens, 1975; Lee & Chatterton, 1997), it is increasingly clear that hypotheses of phylogenetic relationship are possible and that large components of the hystricurids form putative clades. Outstanding questions involve the origins and sister group relationships of the Dimeropygidae Hupé, 1953, Aulacopleuridae Angelin, 1854, and Bathyuridae Walcott, 1886. These, however, appear largely tractable on the basis of the new information accumulating from our Ibexian field sampling. As a result, we can begin to recognise hystricurid subfamilies whose monophyly can be asserted and tested. Here, we diagnose Hystricurinae and Hintzeturinae. Genera listed above as assigned to Hystricuridae but not listed under either of the subfamilies dealt with below are assignable to new, as yet unnamed, subfamilies and are the subject of works in progress.

Subfamily HYSTRICURINAE Hupé, 1953

INCLUDED GENERA: *Flectihystricurus* gen. nov.; *Hystricurus* Raymond, 1913; *Tersella* Petrunina, 1973.

DIAGNOSIS. Cranidia with very short anterior sections of facial suture; anterior part of cranium relatively narrow and small; very large eyes and large palpebral lobes; glabella 'fiddle-shaped' with anterior, waisted constriction; posterior fixigenae extended prominently in transverse direction; pygidium relatively large,

with at least three fully developed segments, and often prominent posterior pleural spines.

Hystricurus Raymond, 1913

TYPE SPECIES. *Bathyurus conicus* Billings, 1859, from the Beauharnois Formation of Quebec, Canada.

OTHER SPECIES. *Hystricurus deflectus* Heller, 1956; *Hystricurus eos* Kobayashi, 1955; *Hystricurus oculilunatus* Ross, 1951; *Hystricurus* sp. nov. A, herein; *Hystricurus* sp. nov. B, herein.

DIAGNOSIS. Glabella strongly 'fiddle-shaped', with moderate to prominent waisting anteriorly; eye extremely large and palpebral lobe very long; librigenal field narrow and genal spine short; occipital ring and posterior border lacking spinose sculpture; pygidium with 3 or 4 fully defined and tuberculate axial rings, a pair of tubercles or short spines on the terminal piece, and a large spine on the distal part of the posterior pleural band of at least the first segment, which merges into the anterior pleural band of the next most posterior segment; pygidium with prominent smooth vertical 'wall' under pleural spines, and well-developed ventral border bearing lateral terrace lines.

REMARKS. *Hystricurus*, as defined herein, is a highly distinctive clade of Laurentian species. Its sister taxon appears to be *Tersella* Petrunina, 1973, which occurs on the Siberian Platform (type species *T. strobilata* Petrunina, 1973; other species include *Nyaya novozemelica* Burskiy, 1970, *N. paichoica* Burskiy, 1970, *T. (?) magna-oculus* Burskiy, 1970, *T. concinna* Petrunina, 1973, *T. altaica* Petrunina, 1973 and *Hystricurus (?) oculus* Weber, 1948 [Antsygin, 1978]). *Hystricurus sainsburyi* Ross, 1965, should also be assigned to *Tersella*. Ross's fauna, from the Seward Peninsula, Alaska, has strong Siberian affinities and may be derived from an accreted terrane. *Tersella* shares the very strongly waisted glabellar form of *Hystricurus*, the narrow anterior part of the cranium, the large eyes, and the general dimensions of the pygidium. It is distinct, however, in that its frontal area is even more reduced than that of *Hystricurus*, it typically shows a dorsally convex, almost swollen, preglabellar field, its eyes are even larger and its palpebral lobes correspondingly huge, its preglabellar furrow is transverse as opposed to arcuate anteriorly, its pygidium usually lacks spines, and it typically lacks the coarsely tuberculate dorsal sculpture of *Hystricurus*. *Hystricurus* is compared with *Flectihystricurus* gen. nov. below.

The pygidial pleural spines characteristic of *Hystricurus* are, on the evidence of isolated thoracic segments and small pygidia, clearly derived from the distal parts of the posterior pleural bands (this is also the position of the much less prominent spines in *Flectihystricurus*). However, in large specimens, including all of those illustrated in Fig. 4, they are extended posteriorly to effectively straddle the posterior pleural band and the anterior pleural band of the next most posterior segment. The interpleural furrow is interrupted by, deflects slightly posteriorly, and terminates against the spine. This condition is restricted to, and synapomorphic for, *Hystricurus*.

Species of *Hystricurus* from the Pogonip Group and Garden City Formation will be described in detail in a forthcoming work. Some are figured here (Fig. 4) and discussed briefly below to demonstrate the generic concept.

Hystricurus conicus (Billings, 1859) (Fig. 3)

Bathyurus conicus Billings, 1859: 366, fig. 12c.
Hystricurus conicus (Billings); Raymond, 1913: 60, pl. 7, fig. 9.
Hystricurus conicus (Billings); Desbiens et al., 1996: 1146, pl. 3, figs 1-8, 10-12, 15 [with synonymy to date].

MATERIAL AND OCCURRENCE. Holotype, GSC 516, 'Beekmantown Group near Beauharnois, Quebec'; additional material figured by Desbiens et al. (1996), who demonstrated that the species - and the specimen studied by Billings - is from the Ogdensburg Member of the Beauharnois Formation, Beekmantown Group, Montreal area, Quebec, Canada. They considered that the fauna containing *Hystricurus conicus* correlates with the *Strigigenalis caudata* Zone of the Catoche Formation of western Newfoundland (see Boyce, 1989) and with 'Zone G2' of the Great Basin succession.

REMARKS. The holotype has not previously been photographically illustrated. It is unquestionably conspecific with those figured by Desbiens et al. (1996) and demonstrates the short frontal area, glabellar waisting, and very large palpebral lobes shared with the other species (Fig. 4). *H. conicus* is most similar to *H. oculilunatus*, differing most obviously in the much coarser tuberculate sculpture and shorter genal spine.

Hystricurus oculilunatus Ross, 1951 (Fig. 4A,E,I)

Hystricurus oculilunatus Ross, 1951: 47, pl. 10, figs 1-3, 5, 8, 9, 12.
unassigned pygidia from Zone 'F' (not described); Ross, 1951: pl. 17, figs 23, 28, 29 (only).

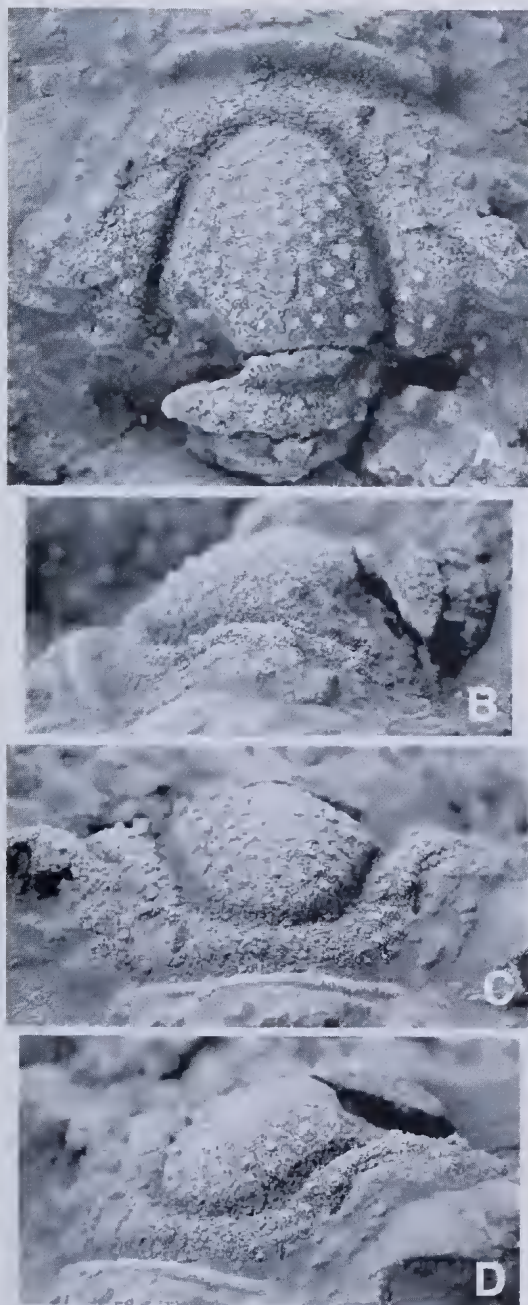


FIG. 3. *Hystricurus conicus* (Billings, 1859), holotype, GSC 516, from the Ogdensburg Member, Beauharnois Formation, Montreal area, Quebec, dorsal, left lateral, anterior and oblique views, $\times 3$.

MATERIAL AND OCCURRENCE. SUI 999736, 99737, Stairsian ('Zone F - *Rossaspis superciliosa* Zone'),

Fillmore Formation, Section G 48.5m, southern Confusion Range, Ibex area, Millard County, western Utah.

REMARKS. *Hystricurus oculilunatus* has been considered by Boyce (1989: 38-39) to be very widely distributed in North America. Almost all of these claims need to be investigated on the basis of much more abundant, better preserved, and better illustrated material than is presently available. Boyce's material from the Boat Harbour Formation of western Newfoundland appears to differ from *H. oculilunatus* in its much coarser tuberculate sculpture and much more laterally bowed palpebral furrow. *Hystricurus oculilunatus* differs from *Hystricurus* spp. nov. A and B in its narrow and more transversely arcuate frontal area, slightly less waisted glabella, and much more strongly tuberculate and spinose pygidium. It differs from *H. deflectus* in its anteriorly broader cranidium, longer palpebral lobes, and pygidia with less robust spines and a shorter vertical 'wall' beneath the pleurae.

***Hystricurus* sp. nov. A**
(Fig. 4B,F,J)

MATERIAL AND OCCURRENCE. SUI 99738 (Section FB7 102.1m), 99739 (Section HC5 106.7), Stairsian ('Zone E - *Tesselacauda* Zone'), Garden City Formation, Bear River Range, Franklin County, southeastern Idaho.

REMARKS. *Hystricurus* sp. nov. A is most similar to the stratigraphically younger species *Hystricurus* sp. nov. B, from which it differs in its shorter anterior border and pygidium with pleural spines prominently developed on, versus absent from, the second and third segments.

***Hystricurus* sp. nov. B**
(Fig. 4C,G,K)

MATERIAL AND OCCURRENCE. Assigned specimens SUI 99740, 99741, Stairsian (strata between Zones 'E' and 'F'), Fillmore Formation, Section G 26.6m, southern Confusion Range, Ibex area, Millard County, western Utah.

REMARKS. *Hystricurus* sp. nov. B was compared with *Hystricurus* sp. nov. A, which it closely resembles, above.

***Hystricurus* cf. *deflectus* Heller, 1956**
(Fig. 4D,H,L)

Hystricurus deflectus Heller, 1956: 43, pl. 18, fig. 6.
Hystricurus deflectus Heller; Boyce, 1989: 40, pl. 12, figs 1-10, pl. 13, figs 1-10 (with full synonymy).

MATERIAL AND OCCURRENCE. SUI 99742, 99743, Stairsian ('Zone D - *Leiostegium-Kainella* Zone'), Fillmore Formation, Section MME 22.3m.

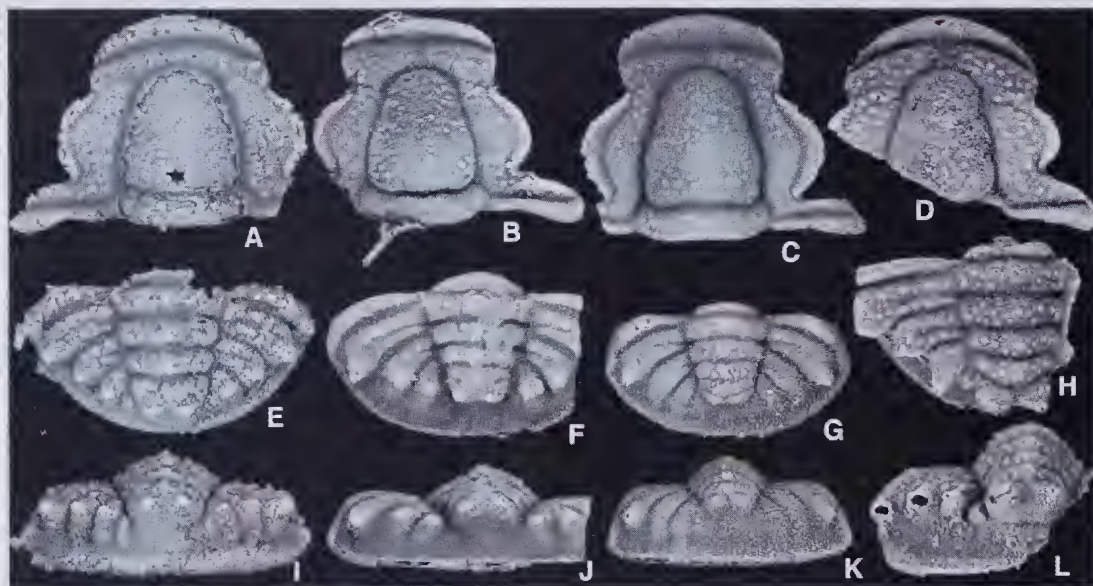


FIG. 4. *Hystricurus* spp. A, E, I, *Hystricurus oculilunatus* (Ross, 1951), Stairsian, Fillmore Formation, Section G 48.5m. A, cranidium, SUI 99736, dorsal view, $\times 5$. E, I, pygidium, SUI 99737, dorsal and posterior views, $\times 3.5$. B, F, J, *Hystricurus* sp. nov. A, Stairsian (*Tesselacauda* Zone), Garden City Formation. B, cranidium, SUI 99738, dorsal view, $\times 3.5$ (FB7 102.1m). F, J, pygidium, SUI 99739, dorsal and posterior views, $\times 6$ (HC5 106.7m). C, G, K, *Hystricurus* sp. nov. B, Stairsian, Fillmore Formation, Section G 26.6m. C, cranidium, SUI 99740, dorsal view, $\times 6$. G, K, pygidium, SUI 99741, dorsal and posterior views, $\times 6$. D, H, L, *Hystricurus* cf. *deflectus* Heller, 1956. Stairsian (*Leiostrigium-Kainella* Zone), Fillmore Formation, Section MME 22.3m. D, cranidium, SUI 99742, dorsal view, $\times 5$. H, L, pygidium, SUI 99743, dorsal and posterior views, $\times 3.5$.

REMARKS. *Hystricurus deflectus* is not well known on the basis of Heller (1956). Boyce (1989) assigned material from the Boat Harbour Formation of western Newfoundland to Heller's species. Material from the lower Stairsian of the Fillmore Formation is closely comparable with Boyce's taxon, though probably not conspecific. The species are very similar in cranidial dimensions, particularly the narrow anterior part of the glabella. Pygidia arc also most closely comparable, but the pleural furrows of Boyce's species run obliquely posterolaterally, whereas those of the Fillmore species are nearly transverse. The Fillmore species also has a broader pleural area proximal to the fulcrum and apparently even more pronounced pygidial spines.

Flectihystricurus gen. nov.

TYPE SPECIES. *Hystricurus flectimembrus* Ross, 1951, from the Stairsian of the Garden City Formation, southeastern Idaho.

OTHER SPECIES. *Hystricurus acumenasus* Ross, 1951, Stairsian, Garden City Formation, Idaho; *Hystricurus wilsoni* Gobbett, 1960, Stairsian, Lower Oslobreen Limestone, Spitsbergen.

DIAGNOSIS. Posterior fixigena nearly transversely straight and extended laterally; short median occipital spine flanked by at least one pair of shorter spines on occipital ring; cranidial posterior border with short, posterodorsally directed spines; librigenal lateral border dorsoventrally flattened and lacking tuberculate sculpture; base of genal spine interrupting posterior/lateral border furrows and extending toward librigenal field; genal spine flattened and blade-like in section; pygidium with axis merged posteriorly with border, 4-5 axial rings.

REMARKS. *Flectihystricurus* comprises an easily recognised clade currently with 3 named species. Species of *Flectihystricurus* differ from those of *Hystricurus* in their relatively wider frontal areas, smaller eyes, spinose occipital ring and posterior cranidial border, more clongate librigenae with blade-like genal spines, and pygidia with flattened pleurae, lacking a pair of terminal axial tubercles or spines.

Although known from relatively coarsely preserved material, *F. wilsoni* compares closely with Ross's Garden City taxa (Gobbett, 1960).

The main difference lies in the assigned pygidia, which appear to lack pleural spines. Both *F. acumennasus* and *F. flectimembrus* have thoracic segments (not figured) with prominent dorsally produced spines near the fulcrum, and small spines are also present in this position on the first pygidial segment. *Flectihystricurus wilsoni* does show the long fulcral spine on an isolated thoracic segment (Gobbett, 1960, pl. 15, fig. 14).

***Flectihystricurus flectimembrus* (Ross, 1951)
(Fig. 5)**

Hystricurus flectimembrus Ross, 1951: 48, pl. 10, figs 25, 26, 29-33, pl. 11, figs 16-18, 20-33.

MATERIAL AND OCCURRENCE. Topotypes SUI 99744-99750 from Section HC6 127.5-131.3m. Stairsian ('Zone F - *Rossaspis superciliosa* Zone'), Garden City Formation, west side of Hillyard Canyon, Bear River Range, Franklin County, southeastern Idaho.

DIAGNOSIS. Anterior cranial border only slightly longer sagittally than exsagittally; librigena with tubercles scattered over most of field; pygidium with five axial rings, prominent pleural spine near fulcrum of first posterior pleural band, smaller spines set much closer to axis on second and third bands.

DESCRIPTION. Cranidium with sagittal length (excluding median occipital spine) 60% of maximum width across posterior fixigenae; width across midpoint of palpebral lobes 67% maximum width; glabellar width about 75% sagittal length (excluding L0); anterior border short, about 60% sagittal length of L0, decreasing in length abaxially, posterior aspect flat in profile and inclined steeply toward anterior border furrow, dorsal and anterior aspect convex in profile; anterior border furrow uniformly very short, deep and sharply inscribed, with median break in course to describe very shallow inverted 'V' shape; preglabellar field relatively long, with faint median furrow in smaller specimens; anterior sections of facial suture short, anteriorly divergent and only slightly bowed laterally; preglabellar field and frontal area with sculpture of evenly scattered moderate tubercles; palpebral lobe large, laterally protruded; palpebral furrow deep, subsemicircular forming rim around lobe; palpebral lobe in horizontal plane in anterior view, with a single arcuate row of fine tubercles around rim; interocular fixigena about as wide as sagittal length of preglabellar field, tuberculate sculpture more sparse than on frontal area or posterior fixigena; glabella only slightly inflated, with evenly spaced sculpture of moderate

tubercles, denser than on any other part of cranidium; S1 and S2 discernible in large specimens as distinct incised furrows adjacent to axial furrow, but very short; axial furrow slightly anteriorly divergent in front of shallow junction with S0, deeper and gently anteriorly convergent in front of S1, with relatively sharp break in course to run into gently anteriorly arcuate preglabellar furrow, yielding subrectangular glabellar outline in plan view; S0 long, deeper laterally than medially; L0 slightly longer sagittally than exsagittally, with short median spine running from posterior margin, flanked by two shorter spines with bases more anteriorly set, several additional short spines and tubercles; posterior border furrow long and shallow; posterior fixigena very short, with single transverse tubercle row on large specimens; posterior border longer and nearly lobate distal to fulcrum, extended nearly directly laterally, with sculpture of fine tubercles and very short posteriorly directed spines.

Librigena with field about 2.5 times as long (exsag.) as wide beneath midlength of eye; eye low and long; eye socle of single very narrow band, separated from visual surface by very narrow furrow and from field by slightly deeper furrow; field with sculpture of scattered fine to moderate tubercles on adaxial three quarters of area, with area near posterior border furrow, base of genal spine, and along lateral border furrow smooth; lateral border furrow shallow but not wholly effaced, interrupted posteriorly by base of genal spine; lateral border flattened, slightly narrower anteriorly than posteriorly, with sculpture of very fine terrace lines on dorsal and ventrolateral aspects; posterior border very narrow, terminating against base of genal spine; genal spine as long as remainder of librigena including anterior projection, somewhat flattened, with faintly impressed furrow running down dorsal aspect, sculpture lateral to furrow and ventrally of very closely spaced fine terrace lines, spine with strong posterior curvature and tapering gently to sharp tip; doublure separated from border by sharp break in slope, nearly flat, reaching beneath adaxial area of field; panderian notch absent.

Rostral plate, hypostome and thorax not yet identified.

Pygidium with sagittal length 50% maximum anterior width; axis narrow, occupying 30% of anterior width; well-defined border around pygidium, broader laterally; margin broadly laterally convex posteriorly, with modest anterior

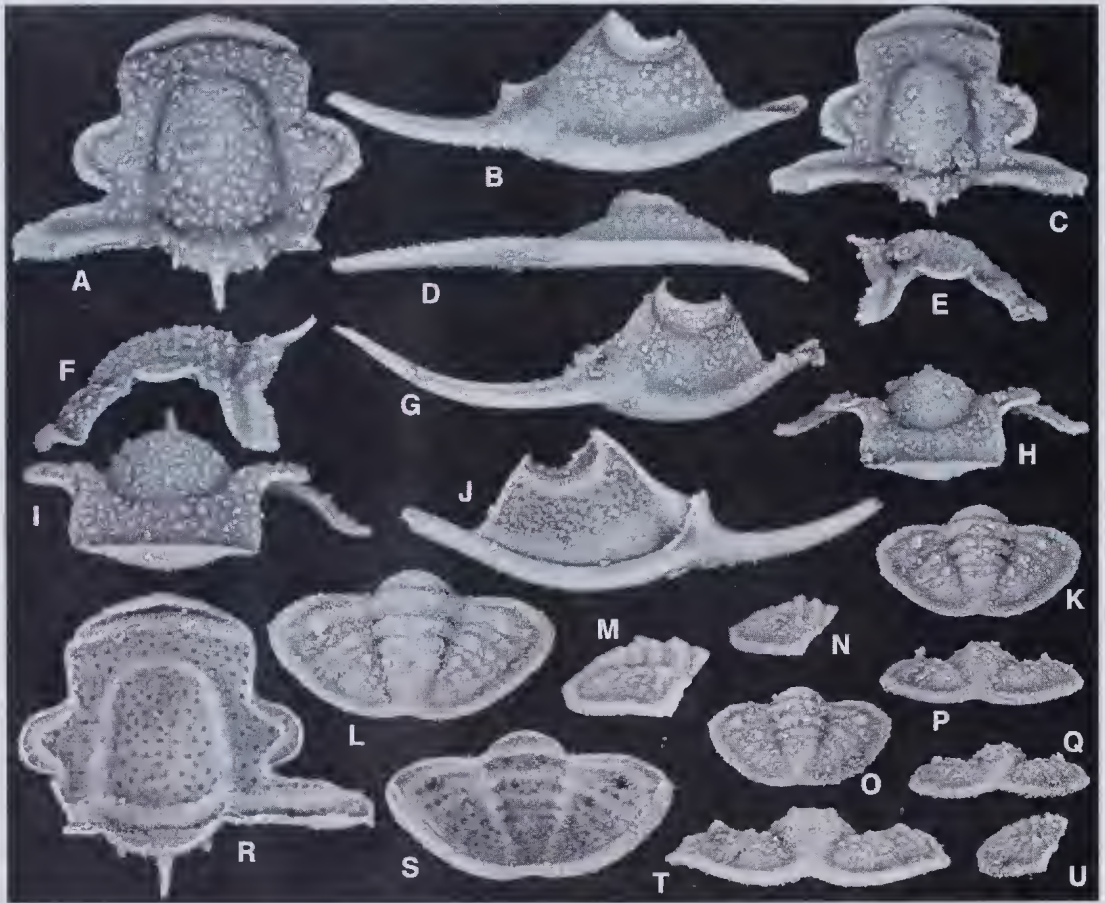


FIG. 5. *Flectihystricurus flectimembrus* (Ross, 1951), from the Garden City Formation (Stairian, *Rossaspis superciliosa* Zone). A, F, I, R, cranidium, SUI 99744, dorsal, left lateral, anterior and ventral views, $\times 7.5$ (HC6 131.3m). B, D, J, right librigena, SUI 99745, external, ventrolateral and internal views, $\times 7.5$ (HC6 131.3m). C, E, H, cranidium, SUI 99746, dorsal, right lateral and anterior views, $\times 10$ (HC6 131.3m). G, right librigena, SUI 99747, external view, $\times 7.5$ (HC6 131.3m). K, N, P, pygidium, SUI 99748, dorsal, right lateral and posterior views, $\times 7.5$ (HC6, 127.5m). L, M, S, T, pygidium, SUI 99749, dorsal, right lateral, ventral and posterior views, $\times 7.5$ (HC6 127.5m). O, Q, U, pygidium, SUI 99750, dorsal, posterior and right lateral views, $\times 7.5$ (HC6 127.5m).

inflection medially, gently expressed as dorsal inflection in posterior view; axial rings 5, fifth very faintly defined, short, faint pseudo-articulating half ring on second segment only, with sculpture of pair of larger tubercles and scattered very fine tubercles, becoming minute posteriorly; axial furrows shallow and narrow, evenly convergent posteriorly; ring furrows with deep lateral 'slots,' but shallow medially, only first and second fully inscribed medially; elongate terminal piece grades into posteromedian pygidial border; pleural and interpleural furrows defined on first four segments, fourth very faint; posterior pleural band of first segment about

twice length of anterior band, bands of posterior segments more nearly subequal in length; first posterior pleural band with prominent short spine just distal to fulcrum; second and third segments with much smaller spines/tubercles set nearer to axis; anterior and posterior pleural bands of segments posterior to first with additional transverse row of fine tubercles; double row narrow, wider laterally than medially, with sculpture of closely spaced fine terrace lines.

REMARKS. *Flectihystricurus flectimembrus* differs from *F. acumennasus* in the lack of that species' large, subtriangular anteromedian extension of the anterior border furrow, longer

preglabellar field, shorter subsidiary occipital spines, librigena with a greater number of tubercles occupying larger area of field, less effaced lateral border furrow, and less flattened lateral border and genal spine. It differs from *F. wilsoni* in its less inflated glabella, less dense cranial tuberculate sculpture, librigenal field with tuberculate sculpture effaced along lateral border furrow, versus much more densely and broadly distributed, more blade-like lateral border and genal spine, and pygidium with pleural spines present versus absent. In librigenal morphology, *F. flectimentibus* is intermediate between the more conventional morphology of *F. wilsoni*, in which the lateral border and genal spine are more nearly tubular and the field is densely tuberculate, and *F. acumennasus*, in which the tuberculate sculpture is restricted to an area beneath the eye, the lateral border furrow is partially effaced, and the lateral border and genal spine are most plainly blade-like.

Subfamily HINTZECURINAE subfam. nov.

INCLUDED GENERA. *Genalaticurus* gen. nov.; *Hintzecurus* gen. nov.; *Ibexicurus* gen. nov.; *Lavadamia* gen. nov.; *Politicurus* gen. nov.; *Rossicurus* gen. nov.

DIAGNOSIS. Hystricurid trilobites with relatively small pygidia usually with only 2-3 axial rings; anterior sections of facial sutures long, cranidia broad anteriorly and subquadrate excluding posterior fixigenae; librigenal field relatively small; thorax (as far as is known) of 9-10 segments with axial spine on sixth (axial spines, tentatively, appear to occur in all species based on association of disarticulated segments).

REMARKS. Hintzecurines share a suite of apomorphies distinguishing them from other hystricurids. Comparison is made below with Hystricurinae, because that is presently the only other putative hystricurid clade recognised. However, Hintzecurinae appears to be monophyletic in light of emerging knowledge of both the remainder of the hystricurids and potential Cambrian relatives such as the marjumioidaeans.

Hintzecurines are plainly differentiated from the hystricurines in cranial and pygidial details. All known hystricurids have at least three fully and completely expressed pygidial segments, and often more. Hystricurine pygidia always bear prominent spines on the posterior pleural bands, while hintzecurines never do. Hystricurines have much larger eyes, resulting in much larger

palpebral lobes. In addition, their posterior fixigenae are typically extended transversely, while the anterior sections of the facial sutures are very short. As a result, hystricurine cranidia are much more anteriorly restricted than those of hintzecurines, but considerably broader posteriorly. The glabellae of hystricurines are typically fiddle-shaped, with a distinct anterior waisting, versus more or less evenly bullet-shaped in hintzecurines. Hystricurine librigenae, in addition to features associated with the much larger eyes, typically have a larger and relatively much longer field, and are less flexed in ventrolateral view.

Hintzecurines appear to be restricted in occurrence to the upper Skullrockian. In the most completely fossiliferous and best sampled section, they appear at the very top of the Barn Canyon Member in strata assigned by Loch et al. (1999) to the *Symphysurina bulbosa* Subzone. When sampling resumes at the base of the Red Canyon Member, hintzecurines are abundant, with two or three species tentatively assigned to *Ibexicurus* at every sample horizon from LDN 77m through LDN 111m. Additional genera (some undescribed) then make their first appearance. *Politicurus*, *Hintzecurus*, and *Rossicurus* all appear at horizon LDN 128.2. This also marks the last appearance of *Ibexicurus*, and the only known horizon at which *Ibexicurus* occurs with the former genera. The 'Bellevontia-Xenostegium Zone' can therefore be subdivided into a lower *Ibexicurus* Interval and an upper *Politicurus* Interval (Fig. 2).

Hintzecurus gen. nov.

TYPE SPECIES. *Hystricurus paragenalatus* Ross, 1951, from the Garden City Formation, Ibexian (Skullrockian), Idaho.

OTHER SPECIES. At least two undescribed new species in the Red Canyon Member, House Formation, Ibex area, Utah: *Hintzecurus* sp. nov. 1, LDN 128.2-132.0m and EEE 95.0m; *Hintzecurus* sp. nov. 2, LDN 146.5m.

ETYMOLOGY. After Lehi F. Hintze, in recognition of his superb pioneering work on the trilobite faunas of the Pogonip Group in the Ibex region.

DIAGNOSIS. Cranidium broad, with posteriorly directed spines along some or all of posterior margin of posterior border; genal field small, narrow with only a few tubercles; genal spine slender, tuberculate, strongly curved; pygidia with broad posterolateral pleurae and only weak posteromedian embayment.

REMARKS. *Hintzeceurus* is ubiquitous from horizon LDN 128.2m through LDN 148.7m in the Red Canyon Member, House Formation, represented by *H. paragenalatus* and two new, undescribed species in our collections.

***Hintzeceurus paragenalatus* (Ross, 1951)**
(Fig. 6)

Hystericurus paragenalatus Ross, 1951: 42, pl. 8, figs 14-26. Indefinitely assigned pygidia from zone 'B'; Ross, 1951: pl. 9, figs 3,4,6,8,9,11,17 [only].

MATERIAL AND OCCURRENCE. Topotypes SUI 99569-99574 from Section FB7 39.0-44.2m, Garden City Formation, Franklin Basin, Bear River Range, Franklin County, southeastern Idaho, SUI 99751 from Section LDN 144.0m, Red Canyon Member, House Formation, southern House Range, Ibex area, Millard County, western Utah. All Skullrockian ('Zone B - *Bellefontia-Xenostegium* Zone').

DIAGNOSIS. Glabella relatively small; anterior border relatively long, dorsally smooth; posterior cranial border with fringe of short posteriorly directed spines extended along most of width; genal spine very long, curved, with posterolateral fringe of small spines; pygidium with tuberculate sculpture on anterior axial rings and pleural bands.

DESCRIPTION. Cranidium (excluding posterior fixigenae) subquadrate, with length slightly less than 90% of width across palpebral lobes; width across palpebral lobes about 75% of width across posterior fixigenae; glabella gently tapered and well-rounded anteriorly, occupying about 70% of cranial length and slightly more than 40% of cranial width across palpebral lobes; strongly convex, raised well above fixigenae and accounting for about 60% of cranial height in anterior view; longitudinal profile of glabella curved gently upward from occipital furrow to reach maximum height opposite palpebral lobes, then curved gradually downward to preglabellar furrow; axial and preglabellar furrows firmly impressed grooves; occipital furrow well-incised, nearly transverse medially but curved strongly forward towards axial furrow; occipital ring accounts for about 20% of glabellar length; S1 and S2 expressed near axial furrow as narrow, oblique bands that lack sculpture; L1 about 120% length of occipital ring; L2 equal to length of occipital ring; frontal lobe occupies about 33% of glabellar length; frontal area divided into convex, forwardly curved border and downsloping preglabellar field by well-defined border furrow; border slightly less than 50% of frontal area length; arcuate palpebral lobe nearly flat, raised slightly

above fixigena, centred opposite S1 furrow; length about 33% of glabellar length; palpebral furrow well-incised, arcuate groove; palpebral ridge absent; interocular fixigena broad, equal to slightly less than 50% of glabellar width across S1 furrows, and sloping steeply upward from axial furrow to become nearly flat adjacent to palpebral furrow; anterior sections of facial sutures initially divergent, before swinging inward at, or just behind, anterior border furrow; posterior sections strongly divergent before curving backward at posterior border furrow, so that course is weakly sigmoidal; posterior fixigenae with firmly impressed posterior border furrow; border convex and equal to slightly less than 10% of glabellar length; glabella, fixigenae and anterior half of anterior border with sculpture of small, closely-spaced tubercles; row of prominent, spine-like tubercles present along posterior margin of L0; similar tubercles form row along posterior margin of posterior border, decreasing in size laterally away from glabella, with larger tubercle at posterior corner of cranidium.

Librigena with long, curved genal spine equal to about 300% length of librigenal field; field broad, subtrapezoidal in outline, and steeply upsloping; visual surface of eye mounted on narrow, wire-like eye socle; lateral border furrow expressed only below anterior 1/2 to 2/3 of librigenal field; lateral border convex anteriorly, merging with librigenal field posteriorly; posterior border furrow well-defined; convex posterior border extending onto genal spine as weak, carinate ridge; convex doublure extending inward as far as lateral and posterior borders; upper half of librigenal field with small, closely-spaced tubercles; lateral border with coarse granules; outer edge of genal spine with row of coarse tubercles; posterior border with row of small, spine-like tubercles, similar to those along posterior margin of cranidium, that extend for short distance along inner edge of genal spine; doublure with fine terrace ridges.

Rostral plate not recovered. Hypostome not identified.

Thorax of 9 segments, with axial spine on the sixth; segment 1 same width as segment 5, segment 2 same width as segment 4; segment 3 widest in thorax; segments posterior to 3 narrow gradually and evenly so that thoracic lateral margin and pygidial margin describe even curve; pleural tips of segments 1-6 with single short posteriorly-directed spine, tips of segments 7-9 subquadrate and lacking spines; axial rings of



FIG. 6. *Hinzecurus paragenalatus* (Ross, 1951). A-S from the Garden City Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Franklin Basin, section FB7 39.0-44.2m; topotype material. A, G, J, N, O, cranidium, SUI 99569, dorsal, left lateral, anterior, ventral and oblique views, $\times 6$. B, H, K, cranidium, SUI 99570, dorsal, anterior and left lateral views, $\times 6$. C, E, F, pygidium, SUI 99571, posterior, right lateral and dorsal views, $\times 7.5$. D, right librigena, SUI 99572, external view, $\times 6$. I, L, M, left librigena, SUI 99573, external, internal and ventrolateral views, $\times 6$. P-S, pygidium, SUI 99574, ventral, right lateral, posterior and dorsal views, $\times 7.5$. T-X from the Red Canyon Member, House Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Ibex area, section Lava Dam North 144.0m, thoracopygidium, SUI 99751, dorsal, ventral, left lateral, posterior and anterior views, $\times 7.5$.

segments 1-5 with strong and dense tuberculate sculpture, ring of segment 6 with weaker tubercles around thick median spine based, rings of segments 7-9 lacking tuberculate sculpture; anterior and posterior pleural bands of all segments subequal in length; pleural furrow long, shallow, and nearly straight; fulcrum very distally set, most of pleural lobe proximal to fulcrum; pleurae of segments 1-7 with transverse tubercle rows on pleural bands, much stronger on posterior bands; pleural bands of segments 8 and 9 with only very fine and widely scattered tubercles; axial furrow deep, narrow on all segments; axial spine on sixth segment thick at base but tapering rapidly distally, not extending to posterior border of pygidium, posteriorly directed and apparently held subparallel to and immediately on top of posterior thoracic and pygidial axial rings; pleural tips of all segments except 1 and 2 underlain by broad (tr.) doublure with anteroposteriorly directed short terrace lines.

Pygidium subtrapezoidal, with nearly transverse posterior margin; maximum width slightly less than twice length; weakly convex, with maximum height in posterior view about 30% of maximum width; axis moderately convex, accounting for about half of pygidial height in posterior view, short, occupying slightly less than 70% of pygidial length, and gently tapered, maximum width equal to about 33% of maximum cranial width; axial furrows shallow grooves; three axial rings and terminal piece decrease progressively in length posteriorly, so that terminal piece equal to about 80% of length of anteriormost ring; ring furrows well incised, nearly transverse; semielliptical articulating half ring equal to about half length of anteriormost axial ring; pleural fields very weakly inflated near axial furrow, then slope gently downward towards border; anteriormost pleural furrow well-incised, upto 2 additional faint furrows may be evident on pleural field; interpleural furrows barely perceptible; gently convex border separated from pleural field by shallow border furrow; arched weakly upward behind axis in posterior view; axial rings and pleural bands with fine granules; pygidial doublure with fine terrace ridges.

REMARKS. Two obviously distinct undescribed species of the genus have been identified from the Red Canyon Member, House Formation. *Hintzeurus paragenalatus* differs from an older species from LDN 128.2-132m and EEE 95m

particularly in the much longer and much more curved genal spines. It differs from a younger species from LDN 146.5m most strikingly in the dense, small, posteriorly directed spines over most of the posterior aspect of the cranial posterior border, versus restricted to the adaxial part in the younger species, and in the pygidium with a distinct tuberculate sculpture on the axial rings and at least anterior pleural areas, versus almost entirely smooth in the younger species.

Ibexicurus gen. nov.

TYPE SPECIES. *Ibexicurus parsonsi* from the House Formation, Ibexian (Skullrockian), Utah.

OTHER SPECIES. *Hystricurus hillyardensis* Stitt, 1983; *?Hystricurus rawni* Poulsen, 1927; more than a dozen undescribed hintzeurine species occur in the *Ibexicurus* Interval of the Red Canyon Member at Ibex, some or all of which are assignable to *Ibexicurus* (see Remarks below).

ETYMOLOGY. For the Ibex area.

DIAGNOSIS. Preglabellar field long; cranium relatively vaulted; palpebral furrows weakly inscribed; pygidium relatively large, with broad pleurae with subdued or absent tuberculate sculpture.

REMARKS. There are many undescribed hintzeurine species from the lower *Ibexicurus* Interval of the Red Canyon Member, and most of them will probably be referable to *Ibexicurus*. Precise hypotheses of the phylogenetic structure of the subfamily must await full description of all its members and cladistic analysis, but care has been taken to select a type species for *Ibexicurus* that is representative of a distinct, apparently monophyletic, subset of the species occurring in the *Ibexicurus* interval. Other of the *Ibexicurus* Interval species are apparently plesiomorphic.

Hystricurus hillyardensis was erected by Stitt (1983) from the McKenzic Hill Limestone of Oklahoma. The name, however, was in reference to *Hystricurus* sp. D of Ross (1951), which Stitt considered conspecific with the Oklahoma specimens and which occurs at Hillyard Canyon. Stitt also considered '*Hystricurus* cf. *H.* sp. D Ross' of Winston & Nicholls (1967), from the Wilberns Formation of central Texas conspecific with his new taxon and considered (1983, p. 25) *H. hillyardensis* 'a widespread and stratigraphically useful taxon'. In our opinion, the association of sclerites in the illustrated Oklahoma material is incorrect, and the 3 occurrences are collectively so poorly documented that it is barely possible to assess their relationships, let

alone support a claim of conspecificity. The Oklahoma specimens, however, are almost certainly not conspecific with the Garden City material. Ross's (1951) '*Hystricurus* sp. D' was based on 2 incomplete crackout cranidia from HC5. They have a broad, inflated, quite coarsely tuberculate, glabella and a short (sag., exsag.), broad anterior border with a narrowly incised border furrow. The holotype cranidium of *H. hillyardensis*, in contrast, has a narrow, less robustly tuberculate, glabella and a long anterior border, with a shallow border furrow that is uneven in depth along its course. A second cranidium assigned by Stitt (1983, pl. 4, fig. 4) from a separate section and horizon is more similar, but is doubtfully conspecific with the holotype. The three cranidia figured by Winston & Nicholls (1967) are so incomplete and poorly illustrated as to be uninterpretable.

There are several undescribed species in the lower *Ibexicurus* Interval of the Red Canyon Member of the House Formation which are clearly related to *I. hillyardensis* and show that the holotype cranidium and paratype librigena illustrated by Stitt (1983, pl. 4, figs 3, 5) are definitely correctly associated, but that the pygidium is likely not. It is unfortunate that *I. hillyardensis* was erected on the basis of such sparse and incompletely known material.

***Ibexicurus parsonsi* sp. nov.**
(Fig. 7)

ETYMOLOGY. For Gram Parsons.

MATERIAL AND OCCURRENCE. Holotype SUI 99599 and paratypes SUI 99600-99602 from Section LDN 115.6m. Skullrockian ('Zone B - *Bellefontia-Xenostegium* Zone'), Red Canyon Member, House Formation, southern House Range, Ibex area, Millard County, western Utah. Known only from type horizon.

DIAGNOSIS. Interoocular fixigenae broad; cranidium with relatively widely spaced sculpture of moderate sized tubercles, more dense on glabella; librigenal field only sparsely tuberculate; pygidium broad and with dorsal sculpture considerably effaced.

DESCRIPTION. Cranidium with sagittal length about 65% maximum width across posterior fixigenae; width across midpoint of palpebral lobes about 77% width across posterior fixigenae; glabella occupying about 70% of cranial sagittal length; maximum width of glabella achieved across rear of L1, slightly less than sagittal length excluding L0; anterior border

with strong dorsal convexity in sagittal profile, tubular, but with flatter anteromarginal aspect; moderate tubercles on anterodorsal and anterior aspect, none along posterior part; anterior border furrow deep, short (sag., exsag.), and incised, course not evenly arcuate but very slightly deflected posteriorly in two places on either side of midline; anterior border furrow, slight deflections excepted, and anterior border describing a convex forward very shallow transverse arc, more transversely straight medially; anterior sections of facial suture strongly bowed laterally, reaching maximum divergence opposite rear part of preglabellar field, maximum point of divergence in front of adaxial one third of palpebral lobes; preglabellar field quite long, about 18% of sagittal length of cranidium in plan view, with moderate dorsal inflation independent of slope of anterior part of glabella in sagittal profile; broad frontal area and preglabellar field with sculpture of fairly large, uniform, widely spaced, prominent tubercles; interocular fixigena broad and dorsally convex, with tuberculate sculpture similar to that on frontal area, except tubercles slightly smaller and more densely crowded, absent from smooth strip adjacent to axial furrow; palpebral furrow shallow but more or less distinct, bowed slightly laterally opposite main body of palpebral lobe; palpebral lobe moderately large, protruded laterally, in horizontal plane in anterior profile, with sculpture of 4-5 small tubercles in row parallel with lateral margin; axial furrow shallow posteriorly, junction of axial, occipital, and posterior border furrows forms smooth subtriangular depressions opposite rear of glabella; axial furrows gently anteriorly convergent in front of this depression, bow in to form subtle constriction of glabella just in front of anterior edge of palpebral lobes, strongly anteriorly convergent in front of this and running smoothly into preglabellar furrow; preglabellar and anterior part of axial furrow of similar depth, deeper than posterior part of axial furrow; glabella subquadrate to bullet-shaped, only moderately inflated in sagittal profile, though distinctly elevated above remainder of cranidium in anterior profile, with sculpture of tubercles of similar size to those on interocular fixigenae, but much more densely crowded - glabellar tuberculate sculpture is densest of entire cephalon; glabellar furrows not incised, reflected as very slight lateral depressions and smooth areas adjacent to axial furrow; S0 deep abaxially, immediately adjacent to smooth triangular area marking junction with posterior border furrow



FIG. 7. *Ibexicurus parsonsi* gen. et sp. nov., from the Red Canyon Member, House Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Ibex area, section Lava Dam North 115.6m. A, D, G, J, cranidium, holotype, SUI 99599, dorsal, right lateral, anterior and ventral views, $\times 5$. B, C, F, cranidium, SUI 99600, dorsal, anterior and right lateral views, $\times 6$. E, H, I, K, pygidium, SUI 99601, posterior, ventral, dorsal and right lateral views, $\times 6$. L-N, right librigena, SUI 99602, ventrolateral, external and internal views, $\times 6$.

and axial furrows, shallower medially; L0 long, longer sagittally than exsagittally, with sculpture of mixed moderate and fine tubercles mainly on posterior part; anterior part sloping into shallowed median part of S0 smooth; posterior border furrow long, relatively shallow, shortest (exsag.) and deepest on proximal part; posterior border lengthening steadily abaxially, devoid of sculpture except for a few very fine tubercles on posterior edge proximally.

Librigena with width at midpoint of eye slightly less than half maximum exsagittal length; genal spine about 80% exsagittal length of remainder of librigena excluding anterior

projection; posterior border furrow and posterior part of lateral border furrow shallow, meeting at acute posterior 'point' above base of genal spine; lateral border furrow becoming deeper anteriorly; field with relatively sparse sculpture of fine to moderate sized tubercles, entirely smooth in area adjacent to lateral border furrow; eye socle of single band, more prominent in thicker anterior lobe; lateral border convex and densely tuberculate, with finer tubercles arranged in rows along ventrolateral aspect; lateral border wider posteriorly, narrowing opposite midpoint of eye; genal spine with tuberculate sculpture similar to that of posterior part of lateral

border, stout at base, tapering evenly and rapidly posterior to moderately blunt tip, with slight posterior curvature; doublure sharply inturned from ventrolateral edge of lateral border, creating distinct ridge along inturn, extended medially completely across ventral aspect of lateral border furrow, forming shallow angle under base of genal spine, panderian notch absent.

Rostral plate unknown. Hypostome not identified. Thorax not yet identified, but abundant isolated segments bearing axial spines occur at the type horizon, some of which almost certainly belong to the species.

Pygidium with sagittal length (including articulating half ring) slightly less than half maximum width; axis quite narrow, occupying just less than a third of pygidial width at broadest point anteriorly; axis with maximum width about 85% sagittal length; pygidium with subdued dorsal sculpture, large but partly effaced tubercles on first and second axial rings, very faint tubercles on third; tubercles on adaxial half of anterior and posterior pleural bands of first segment, only on very adaxial part of bands of second segment, and indiscernible on pleurae of third segment; axis with three defined axial rings and effaced terminal piece; axial furrows shallow, evenly convergent posteriorly, axis weakly but fully defined posteriorly, with posterior extent well in front of median part of pygidial border; ring furrows much deeper abaxially near contact with axial furrow, slot-like, but shallow medially; 3 ring furrows developed, though third is quite subtle; nearly effaced pseudo-articulating half ring on second segment; first pleural furrow shallow but distinct to contact with inner edge of border; posterior interpleural and pleural furrows increasingly shallower and effaced; anterior and posterior pleural bands subequal in length (exsag.); border distinct anteriorly, quite broad, less distinct from effaced pleurae posteriorly, clearest in posterior profile; doublure slightly broader laterally, narrowest medially.

REMARKS. *Ibexicurus parsonsi* is distinguished from most of the many undescribed species of the genus in the Red Canyon Member of the House Formation by its relatively broad interocular fixigena, sparsely tuberculate librigenal field, relatively short genal spine, and broad, considerably effaced pygidium.

Rossicurus gen. nov.

TYPE SPECIES. *Hystricurus lepidus* Hintze, 1953, from the House Formation, Ibexian (Skullrockian), Utah.

OTHER SPECIES. *Rossicurus* sp. nov. 1 (LDN 128.2-132.0); *Rossicurus* sp. nov. 2 (LDN 135.5m); *Rossicurus* sp. nov. 3 (LDN 142.0-144.2m), *Rossicurus* sp. nov. 4 (HCS 38.1m).

ETYMOLOGY. After Rueben J. Ross, Jr., in recognition of his superb pioneering work on the trilobite faunas of the Garden City Formation in southern Idaho and northern Utah.

DIAGNOSIS. Hintzeurines with very vaulted cephalon, broad librigenal fields, short to very short genal spines, and small, narrow pygidia which are either smooth or which bear a characteristic single knob-like tubercle on the adaxial part of the posterior pleural band of the first segment.

REMARKS. Hintze (1953) established the type species on the basis of 3 sclerites, the holotype cranidium and two librigenae, from his locality E-13 in Section E, Middle Mountain, regarded as 'high Zone B'. It is now apparent that Hintze's holotype is not conspecific with the assigned librigenae, which clearly belong to *Politicurus*. In collections at Middle Mountain (our Section MME) and the House Range (LDN), *Rossicurus lepidus* is restricted to the very highest (approx. 2m) interval of the 'Bellefontia-Xenostegium Zone' and is part of the last diverse Red Canyon Member fauna. It cooccurs with undescribed new species of *Politicurus* (to which Hintze's [1953] paratype librigenae belong), *Hintzeurus* and *Genaliticurus*. *Rossicurus* appears at the same time as *Politicurus* and *Hintzeurus* at the base of the *Politicurus* Interval, and is ubiquitous and often common at all horizons through the interval.

Rossicurus lepidus (Hintze, 1953) (Fig. 8)

Hystricurus lepidus Hintze, 1953: 166, pl. 7, figs 12a-c [not figs 10a,b, 11, =*Politicurus* sp. nov.].

MATERIAL AND OCCURRENCE. SUI 99575-99580, from Section LDN 146.5m, Skullrockian ('Zone B - Bellefontia-Xenostegium Zone'), Red Canyon Member, House Formation, southern House Range, Ibex area, Millard County, western Utah. Hintze's (1953). Holotype is from his sampling horizon E-13, at 385' (117.3m) in his Section E, Middle Mountain, Ibex area, Utah.

DIAGNOSIS. Posterior fixigena with very little lateral protrusion; anterior border very strongly transversely arched in anterior view; cephalon strongly vaulted; librigenal field broad; genal spine short; pygidium small and narrow, with prominent border and lacking tuberculate sculpture except for large knob-like tubercles on ad-



FIG. 8. *Rossicurus lepidus* (Hintze, 1953), from the Red Canyon Member, House Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Ibex area, section Lava Dam North 146.5m. A, B, D, E, cranidium, SUI 99575, dorsal, ventral, left lateral and anterior views, $\times 10$. C, F, J, cranidium, SUI 99576, dorsal, anterior and left lateral views, $\times 10$. G, left librigena, SUI 99577, external view, $\times 7.5$. H, I, right librigena, SUI 99578, internal and external views, $\times 7.5$. K-N, pygidium, SUI 99579, dorsal, right lateral, posterior and ventral views, $\times 7.5$. O-Q, pygidium, SUI 99580, right lateral, dorsal and posterior views, $\times 7.5$.

axial part of posterior pleural band of first segment and smaller repetition on second segment.

DESCRIPTION. Cranidium with sagittal length about 70% of maximum width across posterior fixigenae; width across midpoint of palpebral lobes about 90% of maximum width; glabella occupying 80% of sagittal cranial length in plan view; glabella with maximum width opposite midpoint of palpebral lobes, occupying 40% cranial width across palpebral lobes; glabellar maximum width 80% length excluding L0; anterior border with moderate dorsal and anterior convexity, not as 'tubular' as in many other hintzeurines, lacking sculpture dorsally, sculpture of subdued tubercles and terrace lines on anterior aspect; anterior border relatively short (sag., exsag.), longest medially, tapering in length laterally; anterior margin not transverse but broadly arcuate; anterior border strongly

transversely bowed in anterior view; anterior border furrow running nearly transversely, with only slight anterior arch, moderately deep, short (sag., exsag.) and incised; preglabellar field short, about same sagittal length as anterior border in plan view, with only minor independent dorsal inflation in sagittal profile; anterior sections of facial suture strongly bowed laterally, giving frontal area lobate appearance, maximum point of divergence set anteriorly just behind median part of anterior border furrow; interocular fixigena broad, narrowest opposite front of palpebral lobe; posterior fixigena forming very short (exsag.) strip in front of posterior border furrow; posterior fixigena, interocular fixigena, and frontal area with similar sculpture of nearly thorn-like moderate sized tubercles, sculpture more sparse and subdued on preglabellar field; palpebral furrow well incised

and distinct, bowed strongly laterally; palpebral lobe crescentic, nearly ridge-like, narrow, with sculpture of scattered fine tubercles; palpebral lobe about 1/3 length of cranidium; axial furrow distinctly shallower than S0 or posterior border furrow, junction of three furrows forms shallow area on adaxial part of posterior fixigena; axial furrows initially slightly anteriorly divergent, then anteriorly convergent in front of rear of palpebral lobe, joining at slight angle (best seen ventrally) with anteriorly arcuate preglabellar furrow of similar depth; glabella with elongate, semi-elliptical outline, fairly strongly dorsally inflated in sagittal profile, not markedly raised above interocular fixigenae in anterior view, with dense tuberculate sculpture; tubercles somewhat finer than those on interocular fixigena and frontal area; S1 incised in smaller specimens as faint, strongly posteromedially directed furrow deepest at contact with axial furrow, effaced except as subtle 'notch' in larger specimens; S0 very short (sag., exsag.) and deeply incised; L0 long, longest medially, with sculpture of largest tubercles on cranidium along posterior edge, fine tubercles on anterior part, confluent with posterior border, not obviously interrupted by axial furrow; posterior border shallow adaxially, but very deep along most of width; posterior border lengthening steadily abaxially, with sculpture of partially effaced but fairly large tubercles along posterior aspect; posterior fixigenae much less protruded laterally than in most *hintzeurines*.

Librigenal field with width at midpoint of eye about 60% maximum length; field with substantial lateral convexity; eye relatively large, twice as long as wide; eye socle of very distinct but narrow single band, slightly wider anteriorly, set off from visual surface by shallow and narrow but distinctly inscribed furrow and from field by much deeper furrow; field with sculpture over most of surface of densely scattered small to moderate tubercles, more crowded than on frontal area of cranidium; lateral border furrow shallow and quite broad, deepest anteriorly, field with smooth sector along furrow; posterior border furrow deep where cut by facial suture, but immediately shallowed toward base of genal spine; lateral border narrow, about same width as visual surface, with sculpture of subdued, partially effaced tubercles for the most part slightly smaller than those on field, and faint terrace lines on ventrolateral aspect, subparallel with lateral margin; posterior border shorter (exsag.) than width (tr.) of lateral border, lacking

sculpture; genal spine about 2/3 length of remainder of cheek excluding anterior projection, with subdued tubercles on proximal part but tapering rapidly and losing sculpture, with sharp point; genal spine nearly straight, with little posterior curvature; doublure reaching adaxial edge of ventral aspect of lateral border furrow, smooth and slightly concave, panderian notch absent.

Rostral plate not recovered. Hypostome and thorax not identified.

Pygidium with sagittal length (including articulating half-ring) 55% of maximum anterior width; axis occupying 40% of width anteriorly; axial furrow very narrow but firmly inscribed, shallowing posteriorly; axis with three distinct axial rings, third ring effaced along posterior aspect, grading into ill-defined terminal piece, rear of axis poorly defined except by break in slope in sagittal profile; axial rings lacking sculpture; pseudoarticulating half-rings present on second and third segments; ring furrows very short and deeply inscribed laterally, shallower and slightly bowed posteriorly medially; strong border of similar length/width developed around entire pygidium, with closely spaced subparallel terrace lines except on dorsal aspect; first pleural furrow well inscribed, deflected in course slightly at fulcrum, contacting inner edge of border; posterior interpleural and pleural furrows increasingly effaced, those of third segment not visible; pleural bands of first and second segments with minute, nearly effaced transverse rows of tubercles (best seen ventrally); posterior pleural band slightly longer (exsag.) than anterior band; posterior pleural band of first segment with large knob-like tubercle/spine immediately adjacent to axial furrow; smaller similar structure on second segment, about 1/4 the size of first, and minute ventral trace visible on third segment; posterior pygidial margin with strong median embayment; in posterior view, pleurae proximal to fulcrum held in horizontal plane, pleurae distal to fulcrum quite steeply declined, posteroventral margin with strong dorsal notch; doublure moderately narrow, of similar width everywhere, with sculpture of very fine terrace lines.

REMARKS. *Rossicurus lepidus* is the youngest member of the genus recovered from the Ibex sections. It differs from older undescribed species in the greater degree of transverse cephalic arching, stronger cranidial vaulting, shorter genal spine with broader field, and entirely smooth pygidium with very strong knob-like tubercle on first segment.

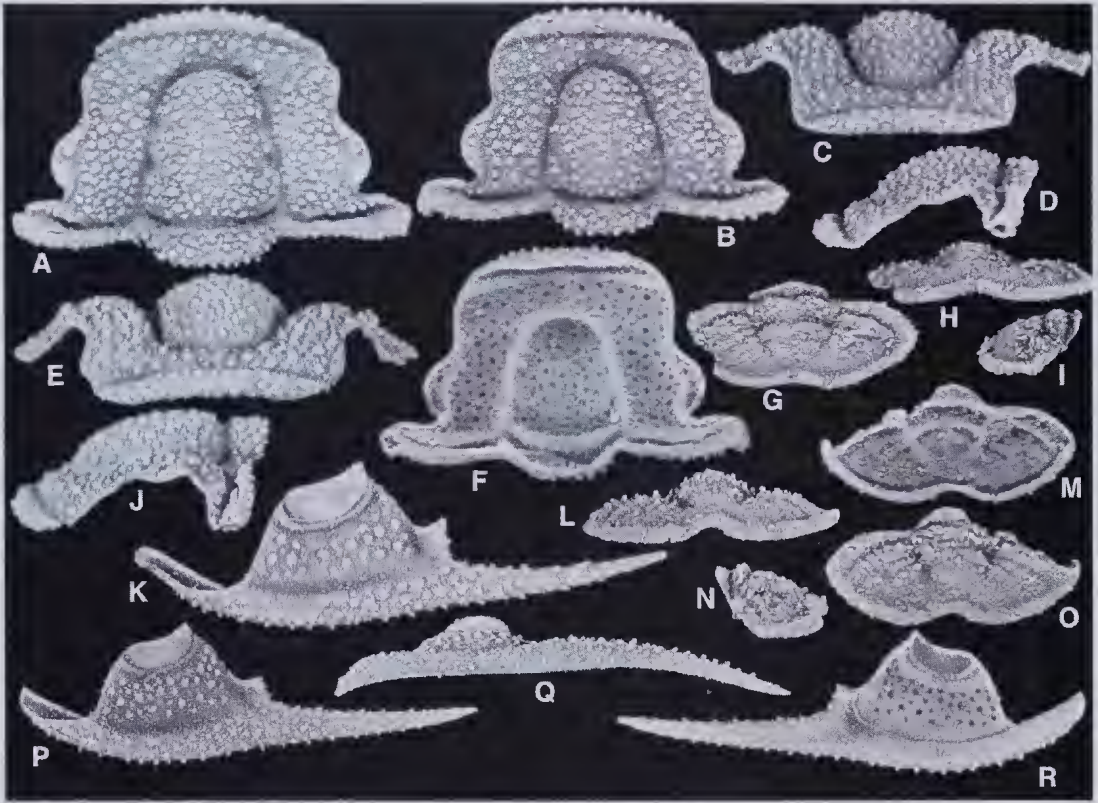


FIG. 9. *Genalaticurus genalatus* (Ross, 1951), from the Garden City Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Franklin Basin, section FB7 39.0-44.2m. A, E, J, cranidium, SUI 99581, dorsal, anterior and left lateral views, $\times 6$. B-D, F, cranidium, SUI 99582, dorsal, anterior, left lateral and ventral views, $\times 10$. G-I, pygidium, SUI 99583, dorsal, posterior and right lateral views, $\times 7.5$. K, left librigena, SUI 99584, external view, $\times 7.5$. L-O, pygidium, SUI 99585, posterior, ventral, left lateral and dorsal views, $\times 6$. P-R, left librigena, SUI 99586, external, ventrolateral and internal views, $\times 7.5$.

Genalaticurus gen. nov.

TYPE SPECIES. *Hystericurus genalatus* Ross, 1951, from the Garden City Formation, Ibexian (Skullrockian), Idaho.

OTHER SPECIES. *Genalaticurus* sp. nov. 1 (LDN 146.5m).

ETYMOLOGY. After the type species.

DIAGNOSIS. Cranidial sculpture dense, of distinctive flat-topped tubercles; very broad interocular fixigenae; anterior border strongly tuberculate along dorsal and posterior aspect; pygidium small, tuberculate, with a very strong posteromedian inflection.

REMARKS. *Genalaticurus* is compared with *Lavadamia*, the taxon it most resembles, under discussion of that genus below.

Genalaticurus genalatus (Ross, 1951) (Fig. 9)

Hystericurus genalatus Ross, 1951: 40, pl. 8, figs 1-13.
Indefinitely assigned pygidia from zone 'B', Ross, 1951: pl. 9, figs 12?, 18? [only].

MATERIAL AND OCCURRENCE. SUI 99581-99586 from Section FB7 39.0-44.2m, Garden City Formation, Franklin Basin, Bear River Range, southeastern Idaho. Also occurs at Section LDN 144.0-144.2m, Red Canyon Member, House Formation, southern House Range, Ibex area, Millard County, western Utah. All Skullrockian ('Zone B - *Bellefontia-Xenostegium* Zone').

DIAGNOSIS. As for genus.

DESCRIPTION. Cranidium (excluding posterior fixigenae) subquadrate in outline, with length about 80% of width across palpebral lobes; width across palpebral lobes slightly less than 80% of width across posterior fixigenae;

glabella gently tapered and rounded anteriorly, occupying about 75% of cranial length and about 40% of cranial width across palpebral lobes; convex, accounting for about 60% of cranial height in anterior view, but raised only slightly above adjacent portions of fixigenae; longitudinal profile of glabella arched very gently upward between occipital ring and point opposite mid-point of palpebral lobe, then curved gradually downward to preglabellar furrow; axial and preglabellar furrows well-incised grooves; occipital furrow firmly impressed, nearly transverse medially but curved gently forward towards axial furrow; occipital ring occupies about 20% of glabellar length; S1 and S2 expressed only near axial furrows as faint, oblique bands that lack sculpture; L1 about 140% length of occipital ring; L2 roughly length of occipital ring; frontal lobe about 30% of glabellar length; frontal area divided into gently inflated preglabellar field and convex, forwardly curved border by firmly impressed border furrow; border about 40% of frontal area length; gently curved palpebral lobe centred opposite S1 with length equal to slightly less than 40% of glabellar length; separated from fixigena by finely etched, arcuate palpebral furrow; palpebral ridge absent; palpebral region of fixigena broad, equal to about 50% of glabellar width at S1; slopes steeply upward from axial furrow to become gently inflated near, and raised slightly above, palpebral lobe; anterior sections of facial sutures very weakly divergent before swinging inward just behind anterior border furrow; posterior sections sharply divergent before curving backward near posterior border furrow, producing a faintly sigmoid course; posterior fixigenae with deep posterior border furrow; convex posterior border about 10% of glabellar length; surface of cranium with large rounded tubercles and scattered smaller tubercles; along posterior border and occipital ring, some tubercles spinose.

Librigena with gently curved genal spine, somewhat longer than librigenal field; field broad, subtrapezoidal, steeply upsloping; visual surface of eye mounted on wire-like eye soe; lateral and posterior borders broad, shallow and do not join; lateral border strongly convex, wide and tubular; posterior border shorter and gently convex; doublure extends inward as far as lateral and posterior border furrows; field with large, rounded tubercles augmented by scattered, smaller tubercles; tubercles on lateral border and genal spine pointed and weakly spinose; doublure with fine terrace ridges.

Pygidium transversely subelliptical, length equal to about 40% of width, with well-defined, narrow median embayment; weakly convex, with height in posterior view more than 25% of maximum width; gently tapered, posteriorly rounded axis weakly arched, occupies about 55% of pygidial height in posterior view; accounts for 75% of pygidial length and about 25% of maximum pygidial width; axial furrows very shallow grooves; at least on axial rings and terminal piece separated by shallow, weakly curved ring furrows; second, ill-defined axial ring on some specimens; short, arcuate articulating half ring; anteriormost axial ring about 30% of axis length; pleural field gently inflated near axial furrow, then flexed gradually downward towards border; two pairs of pleural and interpleural furrows; posterior and lateral borders narrow, weakly convex rims, merging with anteriormost pleural band; border furrow shallow but well-defined; pleural bands and axial rings with small rounded to pointed tubercles, borders smooth.

REMARKS. *Genalaticurus genalatus* is common through the uppermost Red Canyon Member of the House Formation. It is not, however, ubiquitous through its range. It is absent, for example, from horizon LDN 144m, which has yielded a rich sample of hintzeurines with which *G. genalatus* occurs at other horizons. *G. genalatus* is succeeded at LDN 146m by a subtly differentiated undescribed species.

Politicurus gen. nov.

TYPE SPECIES. *Hystricurus politus* Ross, 1951, from the Garden City Formation, Ibexian (Skullrockian), Idaho.

OTHER SPECIES. *Hystricurus?* sp. F of Ross (1951); at least five further undescribed effaced species and two undescribed strongly tuberculate species are present in the Red Canyon Member, House Formation, and the Garden City Formation.

ETYMOLOGY. After the type species.

DIAGNOSIS. Large for subfamily. Stout occipital spine on rear of L0 (reduced in large adults of undescribed, stratigraphically youngest species); usually dorsally effaced, with only subdued tubercles on frontal area and librigenal field; genal spine very long and strongly curved; pygidium long, nearly semicircular, posteromedian embayment not visible in dorsal view.

REMARKS. *Politicurus* is represented in the House and Garden City Formations by multiple

unnamed and undescribed species in addition to the type. The species form two groups, which may require generic subdivision. *Politicurus politus* represents the more diverse and abundant group (upon which the diagnosis above is based), species of which usually possess a stout occipital spine and either lack tuberculate sculpture or have only subdued sculpture restricted to the frontal areas and, in some species, the librigenal field. At least five new species of this group have thus far been identified. A second group is characterized by dense and abundant tuberculate sculpture over most of the cranidium and librigenal field, small spines flanking the short and slender medial occipital spine, and much greater transverse convexity of the anterior border. This group is represented in our collections by two undescribed species.

Politicurus is the largest hystricurid trilobite in all collections in which it occurs. Large pygidia are typical and until an articulated specimen (Fig. 11) was recovered, it was assumed that the genus was less micropygous than other hintzeurines. Instead, given that *P. politus* is quite strongly micropygous, it must have achieved a very large size. The largest pygidia recovered are nearly 1cm across. Given the proportions of the exoskeleton (Fig. 11), these individuals would have been around 14cm in length, excluding the posterior extent of the thoracic axial spine.

P. politus is certainly quite different from other hintzeurines, with its large, dorsally effaced exoskeleton, occipital spine, semicircular pygidium, and very long genal and thoracic axial spines. The strongly tuberculate species mentioned above, however, are intermediate in these features and much more closely resemble typical hintzeurines. There is little question that *Politicurus* is an effaced hintzeurine.

The only other species of *Politicurus* for which sclerites have been illustrated is '*Hystricurus* sp. F' of Ross (1951), which is probably conspecific with the specimens assigned by Hintze (1953, pl. 6, figs 7-1) to *P. politus*. As recognised by Ross, this species differs from *P. politus* in its much narrower palpebral lobes. In addition, it has a much more dorsally directed occipital spine with a more robust base. As one of Hintze's specimens (1953, pl. 6, fig 8) demonstrates, the occipital spine is also more than twice the length of that of *P. politus*. Undescribed species of *Politicurus* amongst the effaced group vary in cranial dimensions and dorsal convexity, thickness, length, and even presence of occipital spine, flexure of the librigena, length and curvature of the genal

spine, and dimensions and other features of the pygidium.

***Politicurus politus* (Ross, 1951)**
(Figs 10,11)

Hystricurus? *politus* Ross, 1951: 45, pl. 9, figs 23,24,27,28,32,33, pl. 15, figs 1-6.

Indefinitely assigned pygidia from zone 'B'; Ross, 1951: pl. 9, fig. 1 [only].

MATERIAL AND OCCURRENCE. Topotypes SUI 99593-99597, from Section FB7 39.0-44.2m, Garden City Formation, Franklin Basin, Bear River Range, Franklin County, southeastern Idaho. SUI 99598, from Section LDN 144.0m, Red Canyon Member, House Formation, southern House Range, Ibex area, Millard County, western Utah. All Skullrockian ('Zone B - *Bellefontia-Xenostegium* Zone').

DIAGNOSIS. Cranidium only moderately vaulted; occipital spine slender and posteriorly directed; subdued tubercles present on frontal area and anterior part of librigenal field; palpebral lobes large, with well defined palpebral furrow; librigena strongly flexed, genal spine long and curved.

DESCRIPTION. Cranidium with sagittal length (excluding occipital spine) about 65% maximum width across posterior fixigenae; width across maximum point of divergence of anterior sections of facial sutures approx. 85% width across midpoint of palpebral lobes; glabella with sagittal length (in dorsal view) 75% length of cranidium excluding occipital spine; glabella anterior to S0 with maximum width across rear of L1 subequal to sagittal length; type and topotype specimens are somewhat flattened, but glabella with moderate sagittal convexity, describing arc with curvature significantly greater than that of cranidium in general; anterior border with steep posterior scarp along anterior border furrow, dorsally flattened along most of length (sag.; exsag.), and strongly curved, tubular in sagittal section anteriorly, similar in length sagittally and exsagittally (apparent reduction in exsagittal length is due to bisection by facial suture); anterior border strongly upturned relative to slope of frontal area, with relatively weak transverse flex in anterior view (though this could be muted by flattening); anterior border dorsally smooth; anterior border furrow short (sag.; exsag.) and deeply incised, nearly transverse but with faint 'W' shape in dorsal view, of similar depth along course; preglabellar field and frontal area with scattered tubercles, low and only faintly expressed in large holaspides, and very fine caecal pitting; preglabellar field with sagittal



FIG. 10. A-R, *Politicurus politus* (Ross, 1951), from the Garden City Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Franklin Basin, section FB739.0-44.2m; topotype material. A, H, J, cranium, SUI 99593, dorsal, oblique and right lateral views, $\times 5$. B, L-N, right librigena, SUI 99594, dorsal, internal, external and ventrolateral views, $\times 5$. C, D, F, G, pygidium, SUI 99595, dorsal, posterior, left lateral and ventral views, $\times 7.5$. E, K, O, P, cranium, SUI 99596, ventral, dorsal, anterior and left lateral views, $\times 7.5$. I, Q, R, pygidium, SUI 99597, left lateral, posterior and dorsal views, $\times 7.5$.

length slightly greater than that of L0, strong dorsal convexity immediately anterior to preglabellar furrow, gentler and more even in slope anteriorly; anterior sections of facial suture moderately anteriorly divergent in front of palpebral lobe, widest divergence just behind anterior border furrow, strongly anteriorly convergent opposite anterior border furrow and anterior border; eye ridge faintly expressed to almost wholly effaced in large holaspides, running from junction of preglabellar and axial

furrow posterolaterally to front of palpebral lobe, with slight anterior curvature; interocular fixigena broad, lacking dorsal sculpture, gently inclined toward glabella; palpebral furrow shallow but perceptibly incised along its length, describing sinuous 'W' shape; palpebral lobe relatively large, kidney-shaped, lacking dorsal sculpture, set in horizontal plane, lateral outline nearly semicircular in dorsal view; glabella bullet-shaped in dorsal outline, axial furrows laterally bowed and gently anteriorly convergent,

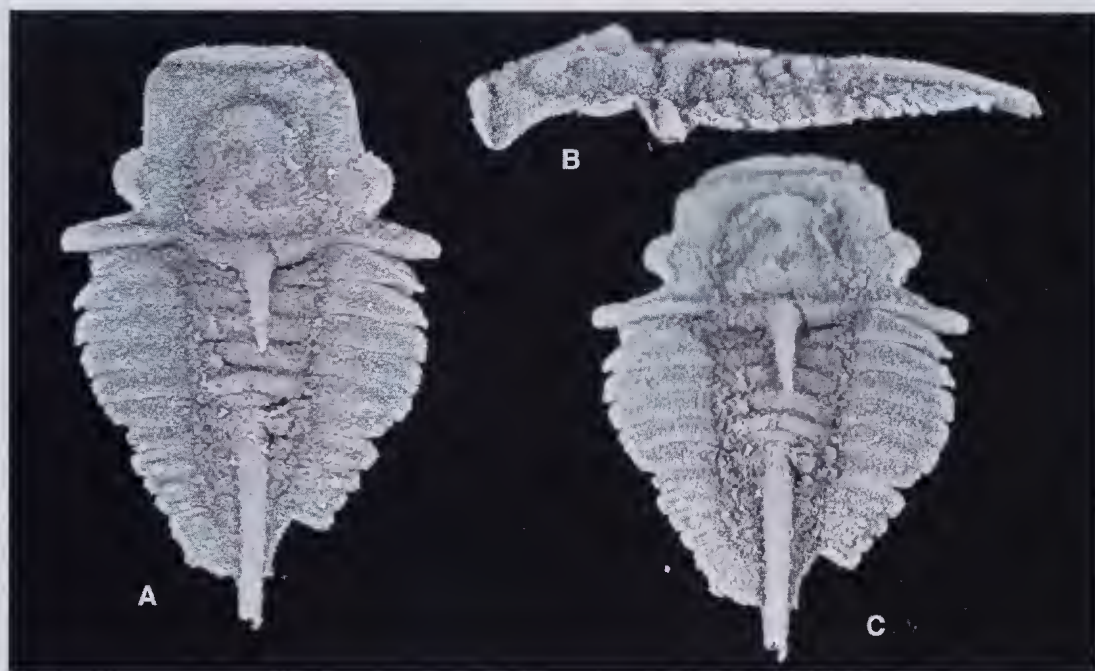


FIG. 11. *Politicurus politus* (Ross, 1951), from the Red Canyon Member, House Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Ibex area, section Lava Dam North 144.0m. A-C, articulated individual lacking librigenae, SUI 99598, dorsal, left lateral and dorsal pygidial views, $\times 10$.

running without interruption into preglabellar furrow; occipital, axial, and preglabellar furrow similar in length/width and depth, narrowly incised; preglabellar furrow anteriorly arcuate; glabellar furrows very weakly expressed, only S1 discernible on all large specimens; glabella lacking dorsal sculpture; posterior fixigena slightly swollen and dorsally convex opposite L1, running into very short (exsag.) strip abaxially in front of posterior border; L0 lacking dorsal sculpture, longer medially than laterally; occipital spine with base set at rear of L0, 40-45% sagittal length of remainder of cranidium, slender, tapering distally to point, elevated slightly above horizontal plane, tip curved gently dorsally; posterior border running nearly exactly transversely, contiguous with L0 (not interrupted by axial furrow), longer distally (past fulcrum) than proximally, tubular in section, lacking dorsal sculpture; posterior border furrow running from tripartite junction with axial and occipital furrows, very short and incised, markedly deeper in front of fulcrum; doublure beneath posterior border short (exsag.) proximally, considerably longer distally.

Librigena with field very broad and convex;

entire librigena flexed, describing more or less smooth arc in posterolateral view; eye relatively small and narrow (tr.); eye socle of very thin and subdued single band, set off from eye and field by very narrow furrows; field mostly smooth, with widely scattered and very subdued tubereles on anterior part only; lateral border furrow shallow but narrow and with distinct course; lateral border furrow and lateral border with strong lateral convexity; posterior border furrow deeper than lateral border furrow; posterior and lateral border furrows do not meet, but end at broad shallow area in front of genal spine base; lateral border tubular, broader posteriorly, with sculpture of extremely fine terrace lines on lateral and ventrolateral aspect; genal spine extremely long, strongly curved, tapering to sharp point; doublure quite narrow, with very distinct sculpture of terrace lines running subparallel to margins, continued posteriorly along proximal-ventral aspect of genal spine, panderian notch absent.

Hypostome not identified.

Thorax of 10 segments, with large axial spine on sixth; first segment narrower than width of cranial posterior fixigenae; second segment

wider and third segment widest, nearly but not quite as wide as posterior fixigenae; segments 4-6 narrow rapidly, segments 7-10 also progressively narrower, but not narrowing as rapidly as 4-6; in general, segments are long (sag., exsag.) and lack dense or scattered tuberculate sculpture; segments 1-6 lack tuberculate sculpture except for pleural tips; segments 7-10 bear a single prominent tubercle on distal part of posterior pleural band; segments 1 and 2 have a single short, posteriorly directed spine at pleural tip; segments 3-10 have a pair of very short spines/tubercles at pleural tips; axis occupying 40% of thoracic width across segment 1, 34% across segment 3, 35% across segment 6, and 45% across segment 10; axial furrows shallow; pleural furrows very shallow and long anteriorly, more furrow-like and circumscribed on posterior segments; anterior pleural band ridge-like distally on first two segments to accommodate large articulatory facet; anterior and posterior pleural bands not well defined on segments 1-6; pleurae with distinct marginal border matching that of pygidium on segments 7-10; axial rings smooth; robust, smooth median spine developed on sixth axial ring, length in articulated specimen not known with certainty, but isolated segments (not figured) show that spine was very long and extended posteriorly well past rear of pygidium.

Pygidium long, broadly semicircular; sagittal length 55-60% width; posterior margin smoothly arcuate and semicircular, with gentle median dorsal inflection in posterior view; border of similar width developed around entire pygidium, with dorsal sculpture of fine terrace lines; axis occupying 40% maximum pygidial width anteriorly; axial furrows nearly straight, shallow but well inscribed, posteriorly convergent, effaced posteromedially but more or less fully circumscribing rear of axis; three distinct axial rings, faint fourth not fully differentiated from terminal piece; ring furrows deep, similar depth across width; very prominent pseudoarticulating half ring on second segment, smaller on third; axial rings lack dorsal sculpture; faint muscle impression discernible on lateral aspect of at least first and second rings; pleural and interpleural furrows vary in degree of expression among specimens, typically first pleural furrow quite strong and posterior furrows increasingly effaced; anterior and posterior pleural bands similar in length; most specimens with scattered but subdued fine tuberculate sculpture over most of pleural area, but some nearly lack tubercles; doublure relatively narrow, and of similar width

everywhere, with sculpture of very fine, closeset terrace lines.

REMARKS. *Politicurus politus* occurs in the Garden City and House Formations. It is the second youngest species known, and bears a relatively slender and short occipital spine compared to most older species.

Lavadamia gen. nov.

TYPE SPECIES. *Lavadamia joplinae*, from the House Formation, Ibexian (Skullrockian), Utah.

OTHER SPECIES. Monotypic.

ETYMOLOGY. After 'Lava Dam', the weathered Tertiary lava flow from which section Lava Dam North takes its name.

DIAGNOSIS. Glabella relatively small, not strongly inflated, and subtriangular; palpebral lobes large and set posteriorly; occipital ring shelf-like, with 4-7 prominent short spines running posteriorly from posterior margin; librigenal field relatively small, mostly lacking sculpture; genal spine very long; pygidium apparently much smaller relative to cranidium than any other member of subfamily, with only 2 discernible segments and nearly lacking in dorsal sculpture.

REMARKS. The striking morphology of this species is not matched by that of any other hintzeurine. The options are to classify it in a taxon of convenience or to erect a monotypic genus. Since it seems clear that the species is not an ingroup member of any of the clades recognised as new hintzeurine genera herein, it seems preferable to erect a new genus. Of other hintzeurines, *Hintzeurus paragenalatus* has genal spines of similar length. Early species of *Hintzeurus* (undescribed) do not have long genal spines, however, and the spine length almost certainly evolved independently within *Hintzeurus*. *Hintzeurus* is not otherwise closely comparable to *Lavadamia joplinae*. *Genalaticurus* is perhaps the most similar taxon, with comparable cranial dimensions, incision of glabellar furrows, and most nearly approaching the subtriangular glabellar shape of *Lavadamia*. The pygidium of *Genalaticurus* is also relatively small, though not nearly so much as that of *Lavadamia*. In other features the genera are less similar: *Genalaticurus* has narrow palpebral lobes more typical of other members of the subfamily, is densely tuberculate over the entire cephalon, and has a librigena that does not

resemble that of *Lavadamia*, with broad tuberculate field, deeper lateral border furrow, and short, tuberculate genal spine. Most obviously, *Genalaticurus* lacks the prominent posterior occipital spine row characteristic of *Lavadamia*. It is possible that *Lavadamia* and *Genalaticurus* are sister taxa.

***Lavadamia joplinae* sp. nov.**
(Fig. 12)

ETYMOLOGY. After Janis Joplin.

MATERIAL AND OCCURRENCE. Holotype SUI 99587 and paratypes SUI 99588-99592, from Section LDN 142.6m, Skullrockian ('Zone B - Bellefontia-Xenostegium Zone'), Red Canyon Member, House Formation, southern House Range, Millard County, western Utah. Known only from the type horizon.

DIAGNOSIS. As for genus.

DESCRIPTION. Cranidium with sagittal length 67% width; width across midpoint of palpebral lobes 80% width; glabella occupying 80% of sagittal length of cranidium; glabella with maximum width across rear of L1 90% sagittal length (excluding L0); anterior margin gently and evenly arched; anterior border with nearly flat dorsal aspect, sharp break in slope at about midlength, and anterior aspect that is slightly anteriorly convex in sagittal profile; anterior border lacking sculpture on rear half, with fairly densely scattered fine tubercles on anterior aspect; anterior border furrow relatively long and shallow for subfamily; anterior border and border furrow of similar length (sag., exsag.); anterior sections of facial sutures bowed laterally, maximum point of divergence opposite rear third of preglabellar field; palpebral lobes posteriorly set for subfamily, large, length (exsag.) 30% sagittal cranial length, held in horizontal plane in anterior view, broad and crescentic, with sculpture of closely scattered but subdued small tubercles; palpebral furrow not strongly impressed but distinct, sharp break in slope at adaxial edge of crescentic palpebral lobe, furrow bowed laterally to run subparallel to lateral margin of lobe; preglabellar field about 130% length (sag.) of anterior border, with only slight dorsal inflation in sagittal profile; preglabellar field and anterior frontal areas with very subdued sculpture of nearly effaced small tubercles; interocular fixigena broad, dorsally convex in transverse profile, sloping more toward glabella than palpebral lobe, with sculpture of densely packed medium tubercles much larger and more crowded than on frontal area; posterior fixigena

very limited in extent, extremely short (exsag.) strip in front of posterior border furrow; axial furrows straight and quite strongly anteriorly convergent, running into strongly arched preglabellar furrow to circumscribe subtriangular glabella; axial furrow shallower on posterior half than anterior half; S1 discernible in large specimens, running strongly posteromedially toward S0, not well impressed, defining small, subdued triangular L1, indistinct in some specimens; S2 subtle notch; glabella weakly inflated, with sculpture of dense moderate tubercles on rear 3/4, similar to that of interocular fixigena, tubercles effaced from anterior lobe; L0 long, inclined dorsally, lacking sculpture over most of surface, with 4-7 prominent but short, posteriorly-directed spines running from posterior margin, very small tubercle or tubercles in posteromedian area; S0 similar in depth to axial furrow, deeper laterally in some specimens, of uniform depth in others; axial, occipital, and posterior border furrows meeting at tripartite junction, only slightly shallowed; posterior border furrow deep, short (exsag.); posterior border tubular, with 1 or 2 subdued tubercles on adaxial part, lengthening (exsag.) abaxially.

Librigenal field with width at midlength of eye 35% exsagittal length, smooth and devoid of sculpture except for subdued tubercles on posterior part along posterior section of facial suture in smaller specimens; visual surface very convex; eye socle of very narrow but distinct single band, set off from visual surface and field by very narrow inscribed furrows of similar depth; posterior and lateral border furrows very shallow; lateral border narrow, with sculpture of densely crowded, fine, and subdued tubercles similar to that on anterior aspect of cranial anterior border; genal spine very long, tapering gradually to sharp point, with fine dorsomedian furrow and faint tubercles carried along from lateral border for short distance from base on lateral aspect of spine; doublure broad, reaching base of field, with sculpture of very fine terrace lines.

Rostral plate, hypostome, and thorax not identified.

Pygidium small, sagittal length 45% width; maximum width of axis 30% pygidial width; prominent fairly broad border and distinct but shallow border furrow; posterior margin arcuate in plan view for most of course, deflected anteriorly and dorsally in median embayment; axial furrow shallow, not meeting to fully circumscribe axis posteriorly; 2 axial rings



FIG 12. *Lavadamia joplinae* gen. et sp. nov., from the Red Canyon Member, House Formation (Skullrockian, *Bellefontia-Xenostegium* Zone), Ibex area, section Lava Dam North 142.6 m. A, B, D, G, M, cranium, holotype, SUI 99587, dorsal, oblique, anterior, left lateral and ventral views, $\times 7.5$ (structure on upper left quadrant of M is a small asaphid transitory pygidium attached to specimen). C, F, I, cranium, SUI 99588, dorsal, anterior and left lateral views, $\times 7.5$. E, H, right librigena, SUI 99589, ventrolateral and external views, $\times 6$. J, K, left librigena, SUI 99590, external and internal views, $\times 7.5$. L, P, Q, T, pygidium, SUI 99591, dorsal, right lateral, posterior and ventral views, $\times 10$. N, O, R, S, pygidium, SUI 99592, posterior, right lateral, dorsal and ventral views, $\times 10$.

discernible, second one partially effaced, terminal piece with structure largely effaced; first ring furrow inscribed along course, much deeper laterally; second ring furrow effaced medially; first and second pleural and interpleural furrows discernible, becoming progressively effaced posteriorly; posterior pleural band longer (exsag.) than anterior band; pygidium lacking dorsal sculpture except for minute tubercles on pleural bands of first segment; doublure relatively narrow.

REMARKS. *Lavadamia joplinae* is common at LDN 142.6m, but does not occur at any other horizon in the Lava Dam North section. At Middle Mountain, it is very common at MME 0.6m, but again restricted to a single horizon. Uniquely among the new hintzeurine genera in the *Politicurus* Interval, it has not been recovered from the Garden City Formation.

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