

Additions and corrections to *Enumeratio Coleopterorum Fennoscandiae, Daniae et Baltiae*

Hans Silfverberg

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The latest checklist of North European Coleoptera was published in 1992, and is now updated with information on new distributional records from the different countries, and with taxonomic and nomenclatural changes. All these additions and corrections are based on published papers.

Silfverberg, H. Finnish Museum of Natural History, Zoological Museum, P.O.Box 17, FIN-00014 Helsingfors.

The latest checklist of North European Coleoptera (Silfverberg 1992) was published a few years ago. The study of these insects has continued, and a considerable number of additions has already been reported. In a few cases recent work has also made it necessary to change some of the names used in the 1992 list.

This paper lists only such additions or changes that have been published, except for some minor corrections, which primarily concern printing errors. References to such publications are given in square brackets, so as to make them immediately distinguishable from any species authors. Lundberg (1995) mentioned in a recent list of Swedish Coleoptera also a large number of new imported species. They are generally not mentioned here although some undoubtedly will be included when more information is at hand. Similarly Hansen (1996) mentions several imported species for Denmark, only part of which are included here.

A considerable number of the additions listed here refer to Estonia, Latvia and Lithuania, an understandable fact, since these countries were not as intensively studied as were other parts of the area covered. Particularly Latvia was often poorly represented in the 1992 list. A recent book by Barševskis (1993) added hundreds of new species to the Latvian fauna. In order to save space it was decided that those species, for which merely an "add A" would have been entered, are not listed together with other additions, but instead as an Appendix 1.

The system used in the 1992 list generally tried to follow latest research. Since then particularly the

work by Lawrence & Newton (1995) suggests some family-level changes. These have not been incorporated in the following list, but are summarized in Appendix 2. Some of the changes are controversial, and in some cases the decision, what should be ranked as a separate family, is a subjective one, but we can expect that at least a considerable number of these changes will be widely accepted. Occasionally Lawrence & Newton also list the families in a different order. Hansen (1996) also discusses many of these cases, where family level systematics can be expected to change. In addition it may be noted that recent work on Scarabaeoidea indicates that Bolboceratidae also should be considered a distinct family, well separated from Geotrupidae (Browne & Scholtz 1995 & 1996).

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- Before **Nebriini** - add **Pelophilini** Kavanaugh, 1996 [Kavanaugh 1996]
- *Leistus piceus* Fröl. - add I [Šablevičius & Ferenca 1995]
- *Nebria brevicollis* (F.) - add EA [Pedmanson 1993, Barševskis 1993]
- *Pelophila* Dej. - transfer to **Pelophilini** [Kavanaugh 1996]
- *Notiophilus germinyi* Fauv. - add synonym *N. stipraisi* Barševskis, 1993 [Kryzhanovski & al. 1995]
- After *Notiophilus germinyi* Fauv. - add *N. substriatus* Waterhouse, 1833 A [Barševskis 1993]

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- *Elaphrus angusticollis* F.Sahlb. - add A [Barševskis 1996a, 1996c]
- *Dyschirius salinus* Schaum - add A [Barševskis 1996a]
- *Dyschirius luedersi* Wagner, 1915 - change to *D. tristis* Stephens, 1827 (*luedersi* Wagn.) [Fedorenko 1996]
- *Dyschirius septentrionum* Munster, 1923 - change to *D. nigricornis* Motschulsky, 1844 (*septentrionum* Munst.) [Fedorenko 1996]
- *Dyschirius nigricornis* Motschulsky, 1844 - change to *D. melancholicus* Putzeys, 1866 (*nigricornis* auct. nec Motsch.) [Fedorenko 1996]; add A [Barševskis 1996c]
- *Dyschirius laeviusculus* Putz. - add D [Hansen 1996]
- After *Dyschirius laeviusculus* Putz. - add *D. rufipes* (Dejean, 1825) A [Barševskis 1996a, 1996c]
- **Brachinini** Bonelli, 1810 - change to **Brachininae** Bonelli, 1810 [Beutel 1992], place at end of Carabidae.
- *Brachinus explodens* Duft. - change A to i [Barševskis 1996a]
- *Patrobus septentrionis* Dej. - delete D [Lundberg 1995, Hansen 1996]
- *Patrobus australis* J.Sahlb. - add A [Barševskis 1996a, Savich 1996]
- *Trechus obtusus* Er. - delete E [Pedmanson 1994]

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- *Bembidion tenellum* Er. - add A [Barševskis 1996a, 1996c]
- *Bembidion lunulatum* (Geoffr.) - add A [Barševskis 1996a, 1996c]
- *Porotachys bisulcatus* (Nicol.) - add A [Barševskis 1996a, Savich 1996]
- *Tachyta nana* (Gyll.) - add D [Hansen & al. 1992]
- *Pterostichus macer* (Marsh.) - add E [Roosileht 1994a]
- *Pterostichus aethiops* (Panz.) - add i for D [Lundberg 1995]

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- *Pterostichus burmeisteri* Heer - change i to S, and D to i [Lundberg 1995, Hansen 1996]
- Before *Sphodrina* - add **Platynini** Bonelli, 1810 [Bonsquet & Laroche 1993]

- After *Calathus melanocephalus* (L.) - add *C. cinctus* Motschulsky, 1850 S D A [Hansen & al. 1995, Lundberg 1995, Barševskis 1996a]
- *Agonum gracile* Sturm - add synonym *A. latvicum* Barševskis, 1993 [Kryzhanovskii & al. 1995]
- After *Agonum lugens* (Duft.) - add *A. holdhausi* (Apfelbeck, 1904) A [Barševskis 1993]
- *Agonum sahlbergii* (Chaud.) - change to *A. chalconotum* Ménériés, 1832 (*sahlbergii* (Chaud.)) [Schmidt 1994b]; add A [Barševskis 1993]
- After *Agonum versutum* Sturm - add *A. hypocrita* (Apfelbeck, 1904) FK [Schmidt 1994a]
- *Agonum moestum* (Duft.) - change to *A. afrum* (Duftschmid, 1812) (*moestum* auct.) FKSND EAI, and add *A. duftschmidi* Schmidt, 1994 (*moestum* (Duftschmid, 1812), nec (Gmelin, 1790)) S [Schmidt 1994a]

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- *Amara gebleri* Dej. - add S A [Barševskis 1994, Lundberg 1995]
- *Zabrus tenebrioides* (Gze.) - delete A [Barševskis 1996a]
- *Panagaeus bipustulatus* (F.) - add N [Solheim 1992]
- *Chlaenius tibialis* Dej. - add synonym *C. kindermanni* auct. nec Chaudoir, 1856 [Barševskis 1996a]
- *Harpalus autumnalis* (Duft.) - add A [Barševskis 1996a, 1996c]
- *Harpalus quadripunctatus* Dejean, 1829 - change to *H. laevipes* Zetterstedt, 1828 (*quadripunctatus* Dej.) [Bousquet & Laroche 1993]
- *Harpalus rufipalpis* Sturm - add E [Miländer 1993b]
- *Harpalus modestus* Dej. - add A [Barševskis 1996a, 1996c]

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- *Harpalus froelichii* Sturm - add K [Pekkarinen 1995]
- *Dicheirotichus rufithorax* (Sahlb.) - add N [Sagvolden & Hansen 1993]
- After *Acupalpus meridianus* (L.) - add *A. suturalis* Dejean, 1829 A [Barševskis 1996a, 1996c]
- *Acupalpus dubius* Schilsky - add A [Barševskis 1996a]
- After *Syntomus truncatellus* (L.) - add *S. ai* Barševskis, 1993 A [Barševskis 1993]

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- *Haliplus variegatus* Sturm - add A [Spuris 1991]
- *Haliplus obliquus* (F.) - add A [Spuris 1991]
- *Haliplus fluviatilis* Aubé - add A [Spuris 1991]
- *Haliplus lineolatus* Mannh. - add A [Spuris 1991]
- *Bidessus grossepunctatus* Vorbr. - add A [Barševskis 1993, Nilsson & Holmen 1995]
- Before Hydroporini - add **Hygrotini** Portevin, 1929 [Nilsson & Holmen 1995]
- **Hygrotus** Steph. - transfer to **Hygrotini** [Nilsson & Holmen 1995]
- **Coelambus** Thoms. - transfer to **Hygrotini** [Nilsson & Holmen 1995]
- *Coelambus polonicus* (Aubé) - add K [Pekkarinen 1995, Nilsson & Holmen 1995]
- *Coelambus parallelogrammus* (Ahr.) - add I [Karalius & Monsevičius 1992]
- *Coelambus novemlineatus* (Steph.) - add E [Miländer 1993b]
- *Coelambus confluens* (F.) - add N [Nilsson & Holmen 1995]
- *Hydroporus kraatzii* Schaum - change to *H. kraatzii* [Nilsson & Holmen 1995]
- *Hydroporus nigrita* (F.) - add A [Spuris 1991]
- *Hydroporus longitarsis* J.Sahlb. - change to *H. semenowi* Jakowlew, 1897 (*longitarsis* J.Sahlb.), and add *H. geniculatus* Thomson, 1854 (*subseriatus* J.Sahlberg, 1910, *pilipes* J.Sahlberg, 1921) FKSN [Nilsson 1994]

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- *Hydroporus nigellus* Mannh. - add A [Barševskis 1993]; transfer synonym *H. valliger* Hellén, 1929 to synonym of *H. morio* [Nilsson 1994]
- *Hydroporus longicornis* Sharp - add A [Nilsson & Holmen 1995]
- *Hydroporus incognitus* Sharp - add AI [Barševskis 1993, Karalius & Monsevičius 1992]
- *Hydroporus striola* Gyllenhal, 1826 - change author to (Gyllenhal, 1826) [Nilsson & Holmen 1995]; add A [Barševskis 1993, Nilsson & Holmen 1995]
- *Graptodytes bilineatus* (Sturm) - add AI [Barševskis 1993, Karalius & Monsevičius 1992]
- **Potamonectes** Zimmermann, 1921 - change to **Nebrioporus** Régimbart, 1906 (**Potamonectes** Zimm.) [Nilsson & Holmen 1995]
- **Potamonectes griseostriatus** (DeG.) - change to **Stictotarsus griseostriatus** (incl. *strandii*), and add **Stictotarsus multilineatus**, sp. dist. [Nilsson & Holmen 1995]
- **Nebrioporus assimilis** (Payk.) - delete D [Nilsson & Holmen 1995]

- **Copelatini** Van der Branden, 1885 - change to **Copelatinae** Van den Branden, and place as first subfamily of Dytiscidae [Nilsson & Holmen 1995]
- *Agabus guttatus* (Payk.) - add AI [Barševskis 1993, Karalius & Monsevičius 1992]
- *Agabus didymus* (Ol.) - add D [Hansen & al. 1994]
- *Agabus uliginosus* (L.) - add A [Spuris 1991]
- *Agabus biguttulus* (Thoms.) - add A [Spuris 1991]
- *Agabus wasastjernai* (Sahlb.) - add A [Barševskis & Savenkovs 1992]
- After *Agabus chalconatus* (Panz.) - add *A. montanus* (Stephens, 1828) D I [Nilsson & Holmen 1995]

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- *Ilybius picipes* Kirby, 1837 - change author to (Kirby, 1837) [Nilsson & Holmen 1995]
- After *Rhantus bistriatus* (Bergstr.) - add *R. incognitus* Scholz, 1927 I [Karalius & Monsevičius 1992]
- *Rhantus latitans* Sharp - add A [Spuris 1991]
- *Hydaticus transversalis* (Pont.) - add A [Spuris 1991]
- *Hydaticus aruspex* Clark - add N [Nilsson & Holmen 1995]
- *Graphoderus austriacus* (Sturm) - add AI [Barševskis 1993, Karalius & Monsevičius 1992]
- *Graphoderus bilineatus* (DeG.) - add N [Olsvik 1992]
- *Graphoderus cinereus* (L.) - add N [Nilsson & Holmen 1995]
- *Cybister lateralimarginalis* (DeG.) - add A [Spuris 1991]
- **Gyrinus** Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Gyrinus opacus* Sahlb. - add A [Spuris 1991]
- *Gyrinus pullatus* Zaitz. - add A [Barševskis & Savenkovs 1992]
- *Gyrinus distinctus* Aubé - add A [Spuris 1991]

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- **Microsporidae** Reichardt, 1976 - change author to Crotch, 1873 [Lawrence & Newton 1995]
- *Helophorus grandis* Ill. - add I [Karalius & Monsevičius 1992]
- *Hydrochus carinatus* Germ. - add I [Karalius & Monsevičius 1992]
- **Oocyclini** Hansen, 1991 - change to **Laccobiini** Bertrand, 1967 [Hansen 1996]
- *Laccobius biguttatus* Gerh. - change B to A [Barševskis 1993]
- *Laccobius striatulus* (F.) - add I [Karalius & Monsevičius 1992]

- *Enochrus coarctatus* (Gredl.) - add A [Barševskis & Savenkovs 1992]

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- *Hydrophilus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Cercyon impressus* (Sturm) - add E [Miländer 1993b]
- *Sphaeridium marginatum* F. - add S [Lundberg 1994]
- *Sphaeridium substriatum* Fald. - add S [Lundberg 1994]
- After *Hydraena gracilis* Germ. - add *H. excisa* Kiesenwetter, 1849 F [Hansen & Hämäläinen 1994]
- *Limnebius papposus* Muls. - add A [Barševskis & Savenkovs 1992]
- *Limnebius truncatulus* Thoms. - change to *L. parvulus* (Herbst, 1797) (*truncatulus* Thoms.) [Jäch 1993]; add I [Karalius & Monsevičius 1992]

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- *Ptilium fissicolle* Rtt. - delete S [Lundberg 1994, Sörensson 1994]
- *Ptilium affine* Er. - delete F [Rutanen 1996]
- *Ptiliolum caledonicum* (Sharp) - add N [Sörensson & Kvamme 1995]
- *Ptinella aptera* (Guér.) - add ND [Silfverberg 1979, Sörensson 1994]
- *Baeocrara japonica* (Matth.) - add ND [Ødegaard 1992, Hansen & al. 1993]
- *Acrotrichis cognata* (Matth.) - add E [Haberman 1993]
- After *Acrotrichis rosskotheni* Sundt - add *A. henrici* (Matthews, 1872) (*fratercula* (Matthews, 1878)) ND [Sörensson & Kvamme 1995, Hansen 1996, Hansen & al. 1996]
- *Acrotrichis lucidula* Rossk. - add D [Hansen & al. 1993]; delete F [Sörensson 1994]
- *Acrotrichis suecica* Sundt - delete F [Sörensson 1994]

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- *Leiodes hybrida* (Er.) - add N [Ødegaard 1992]
- *Leiodes rotundata* (Er.) - delete F [Muona 1995b]
- *Leiodes polita* (Marsh.) - add E [Miländer 1993b]
- *Leiodes cinnamomea* (Panz.) - add D [Hansen & al. 1994, Pedersen 1994]
- *Leiodes oblonga* (Er.) - add I [Karalius & Monsevičius 1992]
- *Leiodes ruficollis* J.Sahlb. - add S [Lundberg 1994]
- *Leiodes dubia* (Kug.) - delete D [Lundberg 1995]

- *Leiodes rufipennis* (Payk.) - add D [Lundberg 1995]
- *Anisotoma glabra* (Kug.) - add E [Miländer 1993b]; change B to A [Barševskis 1993]
- *Liodopria serricornis* (Gyll.) - add E [Roosileht 1994b]
- *Amphicyllis globus* (F.) - add E [Haberman 1993]
- *Amphicyllis globiformis* (Sahlb.) - add E [Miländer 1993b]
- *Agathidium convexum* Sharp - add EA [Haberman 1993, Barševskis 1993]
- *Agathidium nigripenne* (F.) - add E [Roosileht 1994b]; change B to A [Barševskis 1993]

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- *Agathidium badium* Er. - add E [Haberman 1993]
- *Nicrophorus sepultor* Charp. - add A [Telnov 1996]
- *Thanatophilus lapponicus* (Hbst.) - add E [Pedman-son 1993]
- *Nargus velox* (Spence) - add E [Haberman 1993]
- *Nargus badius* (Sturm) - delete F [Rutanen & al. 1994]
- *Choleva septentrionis* Jeann. - delete S [Lundberg 1994]
- *Choleva angustata* (F.) - add E [Roosileht 1994b]

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- *Dreposcia umbrina* (Er.) - add E [Haberman 1993]
- *Sciodrepoides alpestris* Jeann. - add S [Lundberg 1995]
- *Catops picipes* (F.) - add EA [Haberman 1993, Barševskis 1993]
- After *Colon delarouzei* Tourm. - add *C. politum* Peck & Stephan, 1996 S [Peck & Stephan 1996]
- *Colon calcaratum* Er. - delete F [Muona 1995b]
- *Colon viennense* Hbst. - add N A [Silfverberg 1979, Barševskis 1993]
- *Colon bidentatum* (Sahlb.) - add N A [Silfverberg 1979, Barševskis 1993]
- *Eutheia plicata* (Gyll.) - add E [Haberman 1993]
- *Nevraphes ruthenus* Mach. - add SN [Lundberg 1994, Lundberg 1995]
- *Nevraphes talparum* Lokay - delete D [Hansen 1996, Hansen & al. 1996]

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- *Gabrius splendidulus* (Grav.) - add K [Siitonen & al. 1996]
- *Gabrius tirolensis* (Luze) - add i for N [Lundberg 1995]

- After *Gabrius* Curt. - add **Bisnius** Stephens, 1829 [Smetana 1995]
- *Philonthus nitidulus* (Grav.), *P. scoticus* Joy & Toml., *P. diversipennis* Bernh., *P. fimetarius* (Grav.), *P. puella* Nordm., *P. subuliformis* (Grav.), *P. spermophili* Gglb., *P. nigriventris* Thoms., *P. sordidus* (Grav.), *P. parvus* Sharp, *P. pseudoparcus* Brunne and *P. cephalotes* (Grav.) - transfer to **Bisnius** Steph. [Smetana 1995]
- *Bisnius pseudoparcus* (Brunne) - add S [Lundberg 1994]
- **Paragabrius** Coiff. - synonymize with *Philonthus* [Smetana 1995]
- *Philonthus micantoides* Ben. & Lohse - add D [Lundberg 1995, Hansen 1996, Hansen & al. 1996]
- *Philonthus corvinus* Er. - add E [Miländer 1993b]
- *Philonthus succicola* Thoms. - add E [Miländer 1993b]
- *Philonthus spinipes* Sharp - add D [Hansen & al. 1992]
- *Philonthus isthmius* Kangas - synonymize with *P. confinis* Strand [Schuh & al. 1992]
- *Philonthus confinis* Strand - add E [Miländer 1993b]
- *Quedius xanthopus* Er. - add E [Miländer 1993b]; change B to A [Barševskis 1993]
- *Quedius lateralis* (Grav.) - add E [Haberman 1993]
- *Quedius tristis* (Grav.) - add E [Haberman 1993]
- *Quedius balticus* Korge - add E [Haberman 1993]
- *Quedius lucidulus* Er. - add E [Miländer 1993b]
- After *Quedius semiobscurus* (Marsh.) - add *Q. paradisianus* Heer, 1839 A [Barševskis 1993]
- *Atanygnathus terminalis* (Er.) - add E [Haberman 1993]
- *Gyrohypnus scoticus* (Joy) (*angustatus* auct.), change to *Gyrohypnus angustatus* Stephens, 1833 (*scoticus* (Joy)) [Assing 1996a]
- *Gyrohypnus fracticornis* (Müll.) - add E [Miländer 1993b]
- In *Xantholinus* Dej. - add as first in genus *X. flavocinctus* Hochhuth, 1849 (*relucens* auct. nec Gravenhorst, 1806) A [Barševskis & Savenkovs 1992]
- After *Xantholinus audrasi* Coiff. - add *X. rhenanus* Coiffait, 1962 D [Lundberg 1995] and *X. dissimilis* Coiffait, 1956 D [Hansen & al. 1992]
- *Xantholinus tricolor* (Fabricius, 1787) - change to *X. meyeri* Drugmand, 1994 (*tricolor* auct. nec F.) [Drugmand 1994]

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- *Philonthus alpinus* Epph. - add E [Miländer 1993b]
- *Philonthus umbratilis* (Grav.) - change B to A [Barševskis 1993]
- *Spatulonthus* Totth. - synonymize with *Philonthus* [Smetana 1995]
- After *Ontholestes murinus* (L.) - add *O. haroldi* (Eppelsheim, 1884) A [Barševskis 1993]
- *Platydracus latebricola* (Grav.) - add I [Karalius & Monsevičius 1992]
- *Ocypus olens* (Müll.) - add E [Haberman 1993]
- After *Ocypus aeneocephalus* (DeG.) - add *O. cupreus* (Rossi, 1790) A [Barševskis 1993]
- *Ocypus melanarius* (Heer) - add I [Karalius & Monsevičius 1992]
- **Quediini** Kraatz, 1858 - change year to 1857 [Newton & Thayer 1992]
- *Heterothops minutus* Woll. - add D [Hansen & al. 1992]
- *Quedius ochripennis* (Mén.) - delete D [Hansen & al. 1995]; add A [Barševskis 1993]

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- *Quedius brevis* Er. - add E [Miländer 1993b]
- *Quedius lundbergi* Palm - add F [Lundberg 1995]

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- *Rugilus scutellatus* (Motsch.) - add A [Barševskis 1996c]
- *Sunius propinquus* (Bris.) - delete D [Hansen & al. 1994]
- *Lithocharis ochracea* (Grav.) - change to *L. tricolor* (Fabricius, 1787) (*ochracea* (Grav.)) [Drugmand 1994]
- After *Lithocharis tricolor* (F.) - add *L. fuscipennis* Kraatz, 1859 S [Lundberg 1995]
- *Lathrobium fennicum* Renkonen, 1938 - change to *L. rufonitidum* Reitter, 1909 (*fennicum* Renk.) [Gusarov 1994]
- *Lathrobium elongatum* (L.) - add E [Miländer 1993b]
- *Lathrobium rufipenne* Gyll. - add E [Miländer 1993b]
- *Lathrobium volgense* Hochhuth, 1851 - change to *L. boreale* Hochhuth, 1851 (*volgense* Hochhuth, 1851) [Gusarov 1992]
- *Lathrobium ripicola* Czwalina, 1888 - change to *L. pallidipenne* Hochhuth, 1851 (*ripicola* Czwal.) [Gusarov 1992]
- *Lathrobium patris* Benick, 1950 - synonymize with *L. longulum* (Grav.) [Assing 1995]
- *Lathrobium dilutum* Er. - add E [Miländer 1993b]

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- *Stenus bimaculatus* Gyll. - add E [Haberman 1993]
- *Stenus melanarius* Steph. - add E [Miländer 1993b]
- *Stenus ampliventris* J.Sahlb. - delete S [Lundberg 1994]
- *Stenus umbratilis* Cas. - add E [Haberman 1993]
- *Stenus picipes* Steph. - add E [Haberman 1993]
- *Stenus brevipennis* Thoms. - add S E [Lundberg 1995, Miländer 1993b]
- *Stenus sibiricus* J.Sahlb. - delete S [Lundberg 1995]
- After *Stenus sibiricus* J.Sahlb. - add *Stenus noctivagus* Casey, 1884 FKS N [Lundberg 1995]

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- After *Micropeplus tesseraula* Curt. - add *M. staphylinoides* (Marsham, 1802) A [Barševskis & Savenkovs 1992, Barševskis 1993]
- *Micropeplus fulvus* Er. - add N E [Sagvolden & Hansen 1993, Miländer 1993b]
- *Megarhtrus nitidulus* Kraatz - add E [Miländer 1993b]
- *Proteinus crenulatus* Pand. - delete F [Muona 1995b]
- *Proteinus macropterus* (Gravenhorst, 1806) - change to *P. laevigatus* Hochhuth, 1871 (*macropterus* Gyllenhal, 1810, nec Gravenhorst, 1806) [Gusarov 1992]
- *Eusphalerum tenenbaumi* (Bernh.) - add A [Rutenberga 1992]
- *Acrolocha sulcula* (Steph.) - add E [Miländer 1993b]
- *Hapalaraea melis* (Hansen) - add S [Lundberg 1994]
- *Hapalaraea linearis* (Zett.) - add E [Miländer 1993b]
- *Hapalaraea ioptera* (Steph.) - add E [Miländer 1993b]
- *Hapalaraea pygmaea* (Payk.) - add E [Miländer 1993b]
- After *Omalius oxyacanthae* Grav. - add *O. validum* Kraatz, 1858 S [Gillerfors 1993]
- *Omalius excavatum* Steph. - add E [Miländer 1993b]

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- *Olophrum piceum* (Gyll.) - add I [Karalius & Monsevičius 1992]
- *Anthophagus omalinus* Zett. - change B to A [Barševskis 1993]

- *Lesteva sicula heeri* Fauv. - add N [Hansen & Sagvolden 1995]
- *Lesteva longoelytrata* (Gze.) - add E [Miländer 1993b]
- **Coryphiini** Portevin, 1929 - change author to Jacobson, 1908 [Newton & Thayer 1992]
- *Eudectus giraudi* Redt. - add E [Roosileht 1994b]
- **Scaphisomini** Casey, 1893 - change to **Scaphisomatini** Casey, 1894 [Newton & Thayer 1992]

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- **Coprophilini** Erichson, 1839 - change author to Heer, 1839 [Newton & Thayer 1992]
- **Elonium** Samouelle, 1819 (**Coprophilus** Latreille, 1829) - change to **Coprophilus** Latreille, 1829 (**Elonium** Samouelle, 1819, suppressed) [Opinion 1722]
- *Carpelimus subtilicornis* (Roub.) - add E [Haberman 1993]
- After *Anotylus mutator* Lohse - add *A. politus* (Erichson, 1840) A [Barševskis 1993]
- After *Anotylus nitidulus* (Grav.) - add *A. petzi* Bernhauer, 1915 S [Palm & Lundberg 1993]
- After *Anotylus complanatus* (Er.) - add *A. intricatus* (Erichson, 1840) A [Barševskis 1993]
- *Anotylus tetratoma* (Czwal.) - delete S [Palm & Lundberg 1993]
- *Platystethus nitens* (Sahlb.) - add I [Karalius & Monsevičius 1992]

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- *Bledius crassicollis* Lac. - delete S [Palm & Lundberg 1993]
- *Bledius filipes* Sharp - add K [Platonoff 1944]. In the 1960 Catalogue (Lindroth 1960) listed as *B. pudens* Kangas, which was undescribed and accordingly omitted from subsequent catalogues.
- *Bledius erraticus* Er. - add synonym *bosnicus* auct., add F [Clayhills 1996]
- *Bledius bosnicus* Bernh. - delete F SN [Clayhills 1996]
- *Olisthaerus megacephalus* (Zett.) - add E [Roosileht 1994b]
- **Habrocerinae** Mulsant & Rey, 1875 - change year to 1877 [Newton & Thayer 1992]
- *Trichophya pilicornis* (Gyll.) - add E [Roosileht 1994b]
- *Mycetoporus brucki* Pand. - add D [Hansen & al. 1995]
- *Mycetoporus laevicollis* Epp. - add N [Lundberg 1995]

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- *Lordithon exoletus* (Er.) - add K [Siitonen & al. 1996]
- *Lordithon trinitatus* (Er.) - add E [Miländer 1993b]
- *Bolitobius formosus* (Grav.) - add E [Haberman 1993]
- *Sepedophilus constans* (Fowl.) - add K [Siitonen & al. 1996]
- *Tachyporus scitulus* Er. (*macropterus* auct.) - add I [Karalius & Monsevičius 1992]
- *Tachyporus corpulentus* J.Sahlb. - add I [Karalius & Monsevičius 1992]
- *Tachinus basalis* Er. - add K [Siitonen & al. 1996]
- After *Tachinus* - add *Erchomus* Motschulsky, 1857 (*Coproporus* Kraatz, 1858), with *E. colchicus* (Kraatz, 1858) A [Barševskis 1993], and *E. heterocerus* (Fauvel, 1898) SN [Lundberg 1995]
- *Aleochara intricata* Mannh. - add E [Miländer 1993b]

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- *Aleochara albovillosa* Bernh. - add E [Miländer 1993b]
- *Aleochara verna* Say - add S [Jonasson 1994]
- *Oxypoda lapponica* Lundberg, 1980 - synonymize with *O. hansseni* Strand, 1946 [Lundberg 1995]
- *Oxypoda exoleta* Er. - add I [Karalius & Monsevičius 1992]
- *Oxypoda recondita* Kr. - add I [Karalius & Monsevičius 1992]
- *Oxypoda lucens* Muls. & Rey - change to *O. arborea* Zerche, 1994 (*lucens* auct.) [Zerche 1994]
- *Oxypoda brachyptera* (Steph.) - add E [Haberman 1993]
- *Ocyusa maura* (Er.) - add E [Miländer 1993b]

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- *Calodera protensa* Mannh. - add A [Assing 1996b]
- *Calodera uliginosa* Er. - add E [Miländer 1993b]
- *Calodera riparia* Er. - add A [Assing 1996b]
- *Parocytusa rubicunda* (Er.) - add E [Öunap 1993]
- *Parocytusa longitarsis* (Er.) - add E [Miländer 1993b]
- After *Ischnoglossa elegantula* (Mannh.) - add *Ischnoglossa obscura* Wunderle, 1990 F S D [Gillerfors 1993, Hansen & al. 1995, Lundberg 1995]
- *Thiasophila angulata* (Er.) - add E [Miländer 1993b]
- After *Thiasophila angulata* - add *T. lohsei* Zerche, 1987 S [Lundberg 1994]

- *Crataraea suturalis* (Mannh.) - add E [Miländer 1993b]
- *Ocalea rivularis* Mill. - add E [Miländer 1993b]
- *Ilyobates nigricollis* (Payk.) - add E [Haberman 1993]
- After *Amarochara umbrosa* (Er.) - add *A. bonnairei* (Fauvel, 1865) D [Hansen & al. 1995]
- *Meotica apicalis* Ben. - add E [Haberman 1993]
- *Meotica exillima* Sharp - change ? to D [Hansen 1996]

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- *Gnypeta rubrior* Toth. - add E [Haberman 1993]
- *Hydrosmecta subtilissima* (Kr.) - delete D [H Hansen & al. 1993]
- After *Hydrosmecta subtilissima* (Kr.) - add *H. septentrionum* (Ben.) (spec. dist.) D [H Hansen & al. 1993]
- *Liogluta alpestris* (Heer) - add E [Haberman 1993]

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- *Atheta* (*Philhygra* Mulsant & Rey, 1873) - change to *Philhygra* (gen. dist.) [Muona 1995a]
- *Philhygra nannion* (Joy, 1931) - change to *Philhygra parca* (Mulsant & Rey, 1874) (*nannion* (Joy)) [Muona 1995a]
- After *Philhygra britteni* (Joy) - add *P. mahleri* Muona, 1995 D [Muona 1995a, Hansen & al. 1995]
- *Philhygra ripicola* (Hanssen) - add synonym *P. flavithorax* (Benick, 1976) [Muona 1995a]
- *Philhygra tmolosensis* (Bernh.) - read S (misplaced)
- After *Atheta amacula* (Steph.) - add *A. pittionii* Scheerpeltz, 1950 F [Lundberg 1995]
- *Atheta excelsa* Bernh. - add D [Hansen & al. 1995]
- *Atheta nitella* Brund. - transfer to *Anopleta* Muls. & Rey [Lundberg 1995]
- *Atheta wirenii* Brund. - add F [Siitonen 1993]
- *Atheta nessleringi* Bernh. - add D [Hansen & al. 1994]
- *Atheta negligens* (Muls. & Rey) - add N E [Hanssen & al. 1985, Haberman 1993]
- *Atheta sodalis* (Er.) - add E [Miländer 1993b]
- *Atheta pandionis* Scheerp. - add E [Miländer 1993b]
- *Atheta subterranea* (Muls. & Rey) - add E [Miländer 1993b]

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- *Atheta marcida* (Er.) - add E [Miländer 1993b]
- *Atheta cauta* (Er.) - add E [Roosileht 1994b]

- *Atheta laevana* (Muls. & Rey, 1852) - add E [Miländer 1993b]
- *Atheta heymesii* Hubenth. - add S [Lundberg 1995]
- *Atheta britanniae* Bernh. & Scheerp. - delete F [Muona 1995b]
- *Atheta crassicornis* (F.) - add E [Miländer 1993b]
- *Atheta euryptera* (Steph.) - add E [Miländer 1993b]

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- After *Alianta* Thoms. - add *Trichiusa* Casey, 1893, with *T. immigrata* Lohse, 1984 S D [Andersson 1993, Hansen & al. 1993]
- *Lyprocorrhe anceps* (Er.) - add E [Miländer 1993b]
- *Nehemitropia lividipennis* (Mannh.) - add E [Miländer 1993b]
- *Acrotone pilosicollis* (Brund.) - add I [Karalius & Monsevičius 1992]
- *Acrotone obfusata* (Grav.) - add I [Karalius & Monsevičius 1992]
- After *Acrotone consanguinea* (Epph.) - add *A. pseudotenera* (Cameron, 1933) (*rassii* Muona, 1993) F S D [Gillerfors 1995, Hansen & al. 1994, Muona 1993a]
- *Acrotone parens* (Muls. & Rey) - add N [Tømmerås 1994]
- *Acrotone muscorum* (Bris.) - add E [Roosileht 1994b]
- *Acrotone pusilla* (Brundin, 1952) - change to *A. benicki* (Allen, 1940) (*pusilla* (Brundin)) [Allen 1994]
- *Acrotone sylvicola* (Kr.) - add E [Miländer 1993b]
- *Falagrioma concinna* (Er.) - add F N [Tømmerås 1994, Lundberg 1995]
- *Zyras funestus* (Grav.) - add E [Miländer 1993b]
- *Zyras cognatus* (Märk.) - add E [Miländer 1993b]
- *Zyras lugens* (Grav.) - add E [Miländer 1993b]
- *Zyras laticollis* (Märk.) - add E I [Miländer 1993b, Karalius & Monsevičius 1992]

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- *Lomechusa emarginata* (Payk.) - add E [Roosileht 1994b]
- *Gyrophana nitidula* (Gyll.) - add K [Siitonen & al. 1996]
- After *Gyrophana affinis* Mannh. - add *G. kangasi* Rutanen, 1994 F [Rutanen 1994b]
- *Gyrophana rugipennis* Muls. & Rey - delete F [Muona 1995b]
- *Gyrophana poweri* Crotch - add E [Roosileht 1994b]

- *Gyrophana munsteri* Strand - add E [Haberman 1993]
- *Gyrophana lucidula* Er. - add E [Haberman 1993]
- *Gyrophana joyi* Wend. - add I [Karalius & Monsevičius 1992]
- *Leptusa pulchella* (Mannh.) - add E [Miländer 1993b]
- *Leptusa fumida* (Er.) - add E [Miländer 1993b]
- *Leptusa ruficollis* (Er.) - add E [Haberman 1993]
- **Diestofina** Mulsant & Rey, 1871 - change to **Sil-usina** Fenyes, 1918 [Newton & Thayer 1992]

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- *Autalia impressa* (Ol.) - add E [Miländer 1993b]
- *Hygronoma dimidiata* (Grav.) - add E [Miländer 1993b]
- *Cypha hanseni* (Palm) - add K [Siitonen & al. 1996]
- *Bibloporus bicolor* (Denny) - add E [Miländer 1993a]
- *Biblopectus minutissimus* (Aubé) - add D [Hansen & al. 1992]
- *Euplectus kirbii revelierei* Rtt. - add E [Miländer 1993a]
- *Euplectus piceus* Motsch. - add E [Miländer 1993a]
- *Euplectus decipiens* Raffr. - add E [Miländer 1993a]
- *Euplectus bescidicus* Rtt. - add E [Miländer 1993a]

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- *Euplectus fauveli* Guilleb. - add K E [Siitonen & al. 1995, Miländer 1993a]
- *Plectophloeus nitidus* (Fairm.) - add E [Haberman 1993a]
- *Batrisodes venustus* (Reich.) - add K E [Miländer 1993a, Siitonen & al. 1996]
- *Batrisodes hubenthali* Rtt. - add E [Miländer 1993a]
- *Batrisodes adnexus* (Hampe) - add E [Miländer 1993a]
- *Bryaxis curtisii* (Leach) - add N [Hauge & al. 1975]
- *Trichonyx sulcicollis* (Reich.) - add F [Martikainen 1994]
- *Brachygluta haematica sinuata* (Aubé) - add EA [Miländer 1993a, Barševskis 1993]
- *Brachygluta paludosa* (Peyr.) - change D to i [Hansen 1996]
- *Reichenbachia juncorum* (Leach) - add E [Haberman 1993a]
- *Trissemus impressus* (Panz.) - add E [Miländer 1993a]
- *Pselaphaulax dresdensis* (Hbst.) - add E [Miländer 1993a]

- **Ctenistini** Reitter, 1882 - change author to Blanchard, 1845 [Newton & Thayer 1992]
- *Tyrus mucronatus* (Panz.) - add E [Miländer 1993a]

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- **Abraeinae** Marseul, 1857 - change author to MacLeay, 1819 [Newton & Thayer 1992]
- **Abraeini** Marseul, 1857 - change author to MacLeay, 1819 [Newton & Thayer 1992]
- *Plegaderus saucius* Er. - add E [Miländer 1993b]
- *Acritus minutus* (Hbst.) - add E [Roosileht 1994b]
- *Acritus homoeopathicus* Woll. - add A [Barševskis & Savenkovs 1992]
- **Teretriini** Bickhardt, 1916 - change year to 1914 [Newton & Thayer 1992]
- **Saprinini** Lacordaire, 1854 - change author to Blanchard, 1845 [Lawrence & Newton 1995]
- After *Saprinus semistriatus* (Scriba) - add *S. subnitescens* Bickhardt, 1909 D A [Hansen & al. 1995, Barševskis 1993], and *S. tenuistrius* Marseul, 1855 A [Telnov & Kovalevsky 1996]
- *Saprinus virescens* (Payk.) - add E [Kesküla 1993]
- *Saprinus aeneus* (F.) - add D A [Lundberg 1995, Barševskis 1993]
- *Chalcionellus decemstriatus* (Rossi) - add E [Roosileht 1994b]
- *Hypocaccus rugiceps* (Duft.) - add N [Ødegaard 1992]
- *Platylomalus complanatus* (Panz.) - delete S [Lundberg 1995]
- *Paromalus flavicornis* (Hbst.) - add EA [Roosileht 1994b, Telnov & Kovalevsky 1996]
- *Paromalus parallelepipedus* (Hbst.) - add E [Õunap 1993]
- **Onthophilinae** Gistel, 1856 - change author to MacLeay, 1819 [Newton & Thayer 1992]

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- *Margarinotus punctiventer* (Mars.) - delete S & D [Lundberg 1995, Hansen & al. 1994]
- *Margarinotus marginatus* (Er.) - add A [Telnov & Kovalevsky 1996]
- **Platysomatini** Bickhardt, 1917 - change year to 1914 [Newton & Thayer 1992]
- *Platysoma angustatum* (Hoffm.) - add E [Õunap 1993]
- *Platysoma lineare* Er. - add E [Õunap 1993]
- **Holeleptini** Lacordaire, 1854 - change author to Hope, 1840 [Newton & Thayer 1992]
- *Clambus nigrellus* Rtt. - add F [Mannerkoski & Helve 1994]

- After *Cyphon palustris* Thoms. - add *C. ruficeps* Tournier, 1868 A [Barševskis 1993]

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- **Dascillidae** Lacordaire, 1857 (1836) - change author to Guérin-Ménéville, 1843 (1834) [Lawrence & Newton 1995]
- *Geotrupes spiniger* (Marsh.) - add N [Sagvolden & Hansen 1993]
- **Copris** Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Onthophagus joannae* Golj. - add D [Rössner 1992, Hansen & al. 1993]
- *Aphodius punctatosulcatus* Sturm, 1805 (*sabulicola* Thomson) - change to *A. hirtipes* Fischer v. Waldheim, 1844 (*sabulicola* Thoms., *punctatosulcatus* auct.) [Ahrens & Zorn 1996]
- *Aphodius sphacelatus* (Panz.) - add synonym *punctatosulcatus* Sturm, 1805 [Ahrens & Zorn 1996]
- *Aphodius scrofa* (F.) - add E [Miländer & al. 1993, Miländer 1993b]

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- *Aphodius nemoralis* Er. - add E [Miländer & al. 1993]
- *Aphodius piceus* Gyll. - add E [Miländer & al. 1993]
- *Aphodius lugens* Creutz. - add E [Miländer & al. 1993]
- *Aphodius lividus* (Ol.) - add E [Miländer & al. 1993]
- *Heptaulacus testudinarius* (F.) - add E [Miländer & al. 1993]
- *Pleurophorus caesus* (Creutz.) - add A [Telnov 1996]
- *Omaloplia ruricola* (F.) - change to *O. nigromarginata* (Herbst, 1785) (*occidentalis* Baraud, 1965, *ruricola* auct.) DEAI [Hansen & al. 1994, Rössner 1995]
- **Melolontha** Müller, 1764 - change author to Fabricius, 1775 [Opinion 1754]
- *Polyphylla fullo* (L.) - add A [Barševskis & Savenkovs 1992]
- After *Hoplia zaitzevi* Jacobs. - add *H. praticola* Duftschmid, 1805 A [Telnov 1996]
- *Tropinota hirta* (Poda) - add i for S [Lundberg 1995]
- *Oxythyrea funesta* (Poda) - add A [Telnov 1996]

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- *Platycerus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- **Dryopidae** Fleming, 1821 - change author to Billberg, 1820 (1817) [Lawrence & Newton 1995]
- **Elmidae** Westwood, 1838 - change author to Curtis, 1830 [Lawrence & Newton 1995]
- *Limnius muelleri* (Er.) - delete D [Nilsson 1993]
- After *Limnius muelleri* (Er.) - add *L. intermedius* Fairmaire, 1881 D [Nilsson 1993]
- *Dryops griseus* (Er.) - add A [Silfverberg 1995b]
- *Dryops similaris* Bollow - change B to E [Silfverberg 1995b]
- *Limnichus sericeus* (Duft.) - add F [Mannerkoski 1996a]
- *Heterocerus obsoletus* Curt. - add E [Miländer 1993b]
- **Lycidae** Laporte de Castelnau, 1840 - change year to 1836 [Lawrence & Newton 1995]
- After *Dicyoptera aurora* (Hbst.) - add *D. erythrop-tera* Baudi, 1871 A [Barševskis 1996c]

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- **Lampyridae** Fleming, 1821 - change author to Latreille, 1817 [Lawrence & Newton 1995]
- *Phosphaenus hemipterus* (Gze.) - add A [Telnov 1996]
- *Cantharis pulicaria* F. - add E [Miländer 1994]
- *Cantharis fulvicollis* Fabricius, 1792 - change to *Cantharis flavilibris* Fallén, 1807 (*fulvicollis* Fabricius, 1792, nec Scopoli, 1763) [orig.]
- *Cantharis decipiens* Baudi - add A [Barševskis 1996c]
- *Cantharis paludosa* Fall. - add I [Karalius & Monsevičius 1992]
- *Rhagonycha luea* (Müll.) - add E [Roosileht 1994b]
- **Silinae** Gorham, 1881 - change author to Mulsant, 1862 [Lawrence & Newton 1995]
- **Malthininae** LeConte, 1861 - change author to Kiesenwetter, 1852 [Lawrence & Newton 1995]
- In *Malthodes* Kiesw. - add as first in genus *M. debilis* Kiesenwetter, 1852 A [Barševskis 1993]
- After *Malthodes dispar* (Germ.) - add *M. europaeus* Wittmer, 1970 A [Barševskis 1993]
- After *Malthodes maurus* (Cast.) - add *Malthodes misellus* Kiesenwetter, 1852 F [Rutänen 1994a]
- *Malthodes brevicollis* (Payk.) - add A [Rutenberga 1992]

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- **Denticollinae** Reitter, 1905 (1856) - change author to Stein & Weise, 1877 (1856) [Lawrence & Newton 1995]
- Before *Athous* Eschtz. - add **Hemicrepidius** Germar, 1839 (*Pseudathous* Méquignon, 1930) and **Crepidophorus** Mulsant & Guillebeau, 1853 [Becker 1979]
- *Athous hirtus* (Hbst.) and *A. niger* (L.) - transfer to **Hemicrepidius** Germ. [Becker 1979]
- *Athous mutilatus* Rosh. - transfer to **Crepidophorus** Muls. & Gllb. [Becker 1979]
- *Crepidophorus mutilatus* (Rosh.) - delete N [Lundberg 1995]
- *Liotrichus affinis* (Payk.) - add E [Roosileht 1994b]

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- *Procræus tibialis* (Lac.) - add E [Haberman 1993]
- **Brachygonus** Buysson, 1912 - add synonym **Reitterelater** Platia & Cate, 1990 [Lohse 1992a]
- *Brachygonus megerlei* (Lacordaire, 1835) - change to *B. dubius* (Platia & Cate, 1990) (*megerlei* auct.) [Platia & Cate 1990, Lohse 1992a]
- After *Ampedus hjorti* (Rye) - add *A. nemoralis* Bouwer, 1980 S [Lundberg 1994]
- *Ampedus lepidus* (Mäkl.) - add i for S [Lundberg 1995]
- *Melanotus villosus* (Geoffr.) - add F D [Muona 1994b, Hansen & al. 1992]
- *Melanotus punctolineatus* (Peler.) - add S [Lundberg 1994]
- *Agriotes ustulatus* (Schall.) - add D [Hansen & al. 1993]

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- *Dicronychus equiseti* (Hbst.) - delete KS [Silfverberg 1996, Lundberg 1986]
- *Dicronychus equisetioides* Lohse - add K A [Silfverberg 1996]
- After *Hylochares* Latr. - add **Calyptocerini** Muona, 1993 [Muona 1993b]
- Before *Melasis* Ol. - add **Isorhipis** Boisduval & Lacordaire, 1835, with *I. marmottani* Bonvouloir, 1871 N E [Roosileht 1994b, Muona 1995d]
- **Dirhaginae** Reitter, 1911 - change to **Dirhagini** [Muona 1993b]
- *Microrhagus lepidus* Rosh. - add K A [Muona 1994a, Barševskis 1993]
- *Microrhagus lindbergi* (Palm) - synonymize with *M. lepidus* [Muona 1994a, 1995c]

- *Microrhagus pygmaeus* (F.) - add E [Miländer 1993b]
- Before *Rhacopus* Hampe - add *Dirrhagofarsus* Fleutiaux, 1935 (*Attenuorhagus* Olexa) [Muona 1993b]
- *Rhacopus attenuatus* (Mäkl.) - transfer to *Dirrhagofarsus* [Muona 1993b]
- **Xylobiinae** Reitter, 1911 - change to **Xylobiini** [Muona 1993b]
- **Otho** Lac. - transfer to **Calyptocerini** [Muona 1993b]
- *Xylophilus corticalis* (Payk.) - add E [Roosileht 1994b]
- After *Xylophilus* Mannh. - add **Epiphanini** Muona, 1993 [Muona 1993b]
- **Hylis** Goz. - transfer to **Epiphanini** [Muona 1993b]
- *Hylis procerulus* (Mannh.) - add E [Öunap 1993]
- *Hylis cariniceps* (Rtt.) - delete K [Muona 1994a]; add N [Hansen & Sagvolden 1995]
- *Hylis olexai* (Palm) - delete FK [Muona 1994b]
- **Dromaeolini** Leiler, 1976 - change to **Macraulacini** Fleutiaux, 1923 [Muona 1993b]
- *Aulonothroscus laticollis* (Ryb.) - add K [Siitonen & al. 1996]
- *Trixagus duvali* (Bonv.) - change to *T. duvalii* [orig.]; add D [Lundberg 1995]; delete synonym *exul* (Bonv.) [Leseigneur 1995]
- *Trixagus obtusus* (Curt.) - delete D [Lundberg 1995]
- After *Trixagus caucasicus* Rtt. - add *T. atticus* Reitter, 1921 D [Hansen & al. 1992; Hansen & al. 1994]

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- *Descarpentriesina* Leraut, 1993 (*Poecilonota* auct.) - change to *Poecilonota* Eschscholtz, 1829 (*Descarpentriesina* Leraut) [Opinion 1825]
- *Poecilonota* Eschscholtz, 1829 (*Scintillatrix* Obenberger, 1956) - change to *Scintillatrix* Obenberger, 1956 [Opinion 1825]
- After *Scintillatrix rutilans* (F.) - add *S. dives* (Guillebeau, 1889) (*decepiens* auct. nec Gebler, 1847) A [Barševskis & Savenkovs 1992; Hellrigl 1972]
- *Oxypteris* Kirby, 1837 (*Melanophila* auct.) - change to *Melanophila* Eschscholtz, 1829 (*Oxypteris* Kirby, 1837) [Opinion 1826]
- *Melanophila* Eschscholtz, 1829 (*Phaenops* Dejean, 1833) - change to *Phaenops* Dejean, 1833 [Opinion 1826]
- *Chrysobothris chrysostigma* (L.) - change D to i [Hansen 1996]

- **Agrilini** Laporte de Castelnau & Gory, 1839 - change author to Laporte de Castelnau, 1835 [Lawrence & Newton 1995]
- *Agrilus ater* (L.) - add K [Siitonen & al. 1996]
- *Agrilus angustulus* (Ill.) - delete F [Muona 1994b]
- *Agrilus roberti* Chev. - add E [Roosileht 1994b]
- *Agrilus pseudocyanus* Kiesw. - change to *A. delphinensis* Abeille de Perrin, 1897 (*pseudocyanus* auct.) [Jendek 1995]
- *Agrilus betuleti* (Ratz.) - add D [Martin & Munch 1992]
- *Agrilus suvorovi populneus* Schaefer, 1946 - change to *A. populneus* (sp. dist.) [Mühle 1992]
- In *Coraeus* Cast. & G. - add as first in genus *C. undatus* (Fabricius, 1787) A [Barševskis & Savenkovs 1992]
- *Aphanisticus pusillus* (Ol.) - add S D [Lundberg 1994, Hansen & al. 1992]
- **Trachyini** Laporte de Castelnau & Gory, 1839 - change author to Laporte de Castelnau, 1835 [Lawrence & Newton 1995]
- **Byrrhidae** Latreille, 1806 - change year to 1804 [Lawrence & Newton 1995]
- After *Simplocaria semistriata* (F.) - add *S. acuminata* (Erichson, 1847) A [Telnov 1996]
- *Simplocaria metallica* (Sturm) - add A [Telnov 1996]

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- **Byrrhus** Müller, 1764 - change author to Linnaeus, 1767 [Opinion 1754]
- **Syncalypitini** Portevin, 1931 - change author to Mulsant & Rey, 1869 [Lawrence & Newton 1995]
- After *Curimopsis setigera* (Ill.) - add *C. setosa* (Waltl, 1838) A [Telnov 1996]
- **Laricobiinae** Ganglbauer, 1899 - change author to Mulsant & Rey, 1864 [Lawrence & Newton 1995]
- **Dermestidae** Latreille, 1807 - change year to 1804 [Lawrence & Newton 1995]
- *Dermestes frischii* Kug. - change i to D [Lundberg 1995]; add A [Barševskis 1993]
- *Attagenus unicolor* (Brahm) - add i for E [Miländer 1993b]
- After *Attagenus unicolor* (Brahm) - add *A. brunneus* Faldermann, 1835 A [Barševskis 1993], and *A. augustatus* Ballion, 1871 i (for S) [Åkerlund 1995]
- *Trogoderma variabile* Ball. - add i for S [Lundberg 1995]
- *Trogoderma angustum* (Sol.) - change i to D [Hansen 1996]; add A [Barševskis 1993]

- *Trogoderma versicolor* (Creutz.) - add i for A [Telnov 1996]
- *Trogoderma granarium* Everts - change i to D [Lundberg 1995, Hansen 1996]
- *Globicornis corticalis* (Eichh.) - delete F [Mannerkoski 1996b]
- *Anthrenus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Anthrenus flavipes* LeC. - change i to D [Lundberg 1995, Hansen 1996]
- *Anthrenus verbasci* (L.) - add i for N [Mehl 1989]; add A [Barševskis 1993]
- *Anthrenus fuscus* Ol. - add i for N [Mehl 1989]

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- **Thaumaphrastinae** Anderson, 1949 - change to **Thorictinae** Wollaston, 1854, **Thaumaphrastini** Anderson, 1949 [Cammaerts & Cammaerts 1994]
- *Trogoxylon impressum* (Com.) - add i for S [Lundberg 1995]
- *Dinoderus minutus* (F.) - add i for N [Mehl 1989]
- *Bostrichus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Bostrichus capucinus* (L.) - change i to N, add i for D [Lundberg 1995, Hansen 1996]
- *Rhyzopertha dominica* (F.) - change i to D [Hansen 1996]
- *Dinoderus minutus* (F.) - add i for D [Hansen 1996]
- **Anobiidae** Kirby, 1837 - change author to Fleming, 1821 [Lawrence & Newton 1995]
- *Ernobius longicornis* (Sturm) - add EA [Miländer 1993b, Barševskis 1993]
- *Ernobius abietinus* (Gyll.) - add E [Miländer 1993b]
- *Ernobius abietis* (F.) - add E [Miländer 1993b]
- *Priobium carpini* (Hbst.) - change B to A [Barševskis 1993]
- *Ptilinus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]

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- *Xyletinus laticollis* (Duft.) - add E [Roosileht 1994b]
- *Xyletinus tremulicola* Y.Kangas - add F [Rutanen 1995a & b]
- *Lasioderma serricorne* (F.) - change i to D [Hansen 1996]; add A [Barševskis 1993]
- *Stagetus borealis* Isr. - add K [Siitonen & al. 1995]
- *Dorcatoma flavicornis* (F.) - add N [Hansen & al. 1985]
- *Dorcatoma dresdensis* Hbst. - add E [Miländer 1993b]

- *Anitys rubens* (Hoffm.) - add N [Paulsen 1991]
- *Mezium sulcatum* (F.) - add i for D [Hansen 1996]
- *Trigonogenius globulus* Sol. - add i for N [Mehl 1989]
- *Sphaericus gibboides* (Boield.) - change i to D [Lundberg 1995, Hansen 1996]
- *Pseudeurostus hilleri* (Rtt.) - add i for D [Lundberg 1995]
- *Ptinus dubius* Sturm - add E [Miländer 1993b]
- *Ptinus clavipes* Panz. - change i to D [Hansen 1996]
- *Ptinus pusillus* Sturm - delete S [Lundberg 1995]
- *Ptinus villiger* Rtt. - change B to A [Barševskis 1993]
- *Ptinus subpilosus* Sturm - change to *P. subpilosus* [orig.]; change B to A [Barševskis 1993]
- After *Ptinus subpilosus* Sturm - add *P. pilosus* Müller, 1821 A [Barševskis 1993]
- **Hylecoetinae** Böving & Craighead, 1931 - change author to Gistel, 1856 [Lawrence & Newton 1995]

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- **Peltinae** Latreille, 1807 - change author to Kirby, 1837 [Lawrence & Newton 1995]
- **Gymnochilini** Lacordaire, 1854 - change to **Calitinae** Reitter, 1922 [Slipinski 1992]
- *Peltis* Müller, 1764 - change author to Kugelann, 1792 [Opinion 1754]
- **Temnochila** Westwood, 1835 - change to **Temnoscheila** Westwood, 1835 [orig.]
- *Opilo domesticus* (Sturm) - add N [Zachariassen 1992]
- *Thanasimus femoralis* (Zett.) - add D [Hansen 1996, Hansen & al. 1996]
- **Korynetinae** Laporte de Castelnau, 1840 - change year to 1836 [Lawrence & Newton 1995]
- *Korynetes caeruleus* (DeG.) - add A [Barševskis 1996c]
- *Necrobia ruficollis* (F.) - add E [Kesküla 1993]
- *Necrobia rufipes* (DeG.) - add E [Kesküla 1993]
- *Aplocnemus tarsalis* (Sahlb.) - add A [Telnov 1996]

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- *Dasytes nigrocyanus* Muls. & R. - delete F [Mannerkoski 1996b]
- *Dasytes subaeneus* Schönh. - change ? (for D) to i, add A [Hansen 1996, Rutenberga 1992]
- *Ebaeus pedicularius* (L.) - delete F S AI [Lundberg 1995]
- After *Ebaeus pedicularius* - add *Ebaeus lapplandicus* Evers, 1993 F SN AI [Evers 1993, Sagvolden & Hansen 1993, Lundberg 1995]

- *Axinotarsus marginalis* (Cast.) - add A [Telnov 1996]
 - *Clanoptilus barnevillei* (Puton) - add D [Hansen & al. 1993]
 - After *Anthocomus fasciatus* (L.) - add A. *bipunctatus* (Harrer, 1784) A [Barševskis 1993]
 - *Anthocomus equestris* (F.) - add E [Öunap 1993]
 - **Kateretidae** Erichson, 1843 - change to **Brachypteridae** Erichson, 1845 (**Kateretidae** Ganglbauer, 1899) [Lawrence & Newton 1995]
 - *Brachypterolus villiger* (Reitter, 1885) - change to *B. antirrhini* (Murray, 1864) (*villiger* (Rtt.)) [Audisio 1993]
 - **Carpophilinae** Erichson, 1843 - change year to 1842 [orig.]
 - **Carpophilini** Erichson, 1843 - change year to 1842 [orig.]
 - *Carpophilus hemipterus* (L.) - change i to D [Hansen 1996]
 - *Carpophilus mutilatus* Er. - add i for D [Hansen 1996]
 - **Laria** Scopoli, 1763 (**Pria** Stephens, 1830) - change to **Pria** Stephens, 1830 (**Laria** Scopoli, 1763, suppressed) [Opinion 1809]
 - *Eपुरaea melanocephala* (Marsh.) - delete F [Mannerkoski 1996b]
 - *Eपुरaea florea* Erichson, 1845 and *E. abietina* J.Sahlberg, 1889 - change to *E. pallescens* (Stephens, 1832) (*florea* Er., *abietina* J.Sahlb.) [Spornraft 1992]
 - *Eपुरaea deubeli* Rtt. - add K [Siitonen & al. 1995]
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- *Eपुरaea angustula* Sturm - add I [Karalius & Monsevičius 1992]
 - *Eपुरaea longipennis* Sjöberg, 1939 - change to *E. dolosa* Kirejtshuk, 1995 (*rugulosa* auct., *longipennis* auct.) FKS N [Audisio 1993, Kirejtshuk 1995]
 - *Eपुरaea opalizans* J.Sahlb. - add D [Hansen & al. 1994]
 - *Eपुरaea marseuli* Rtt. - change B to A [Barševskis 1993]
 - *Eपुरaea longula* Er. - add K [Siitonen & al. 1995]
 - *Eपुरaea placida* Mäkl. - add D [Hansen 1996, Hansen & al. 1996]
 - *Eपुरaea adumbrata* Mannh. - synonymize with *E. terminalis* (Mannh.) [Spornraft 1992]
 - *Eपुरaea longiclavis* Sjöb. - delete D [Lundberg 1995]
 - *Eपुरaea danica* Sjöb. - delete F [Muona 1995b]; add A [Barševskis 1993]
- *Eपुरaea distincta* (Grimm.) - add AI [Barševskis & Savenkovs 1992, Karalius & Monsevičius 1992]
 - *Eपुरaea biguttata* (Thunb.) - add A [Barševskis & Savenkovs 1992]
 - *Eपुरaea unicolor* (Ol.) (*x-rubrum* J.Sahlb.) - add A [Barševskis & Savenkovs 1992]
 - *Eपुरaea variegata* (Hbst.) - add A [Barševskis & Savenkovs 1992]
 - *Eपुरaea muehli* Rtt. - add A [Barševskis & Savenkovs 1992]
 - *Eपुरaea deleta* Er. - synonymize with *E. silacea* (Hbst.) [Spornraft 1992]
 - *Meligethes atratus* (Ol.) - add EA [Miländer 1993c, Barševskis 1993]
 - After *Meligethes corvinus* Er. - add *M. caudatus* Guillebeau, 1897 SND [Audisio 1993]
 - *Meligethes anthracinus* Bris. - add S E [Audisio 1993, Miländer 1993c]
 - *Meligethes subaeneus* Sturm - add E [Miländer 1993c]
 - After *Meligethes subaeneus* Sturm - add *M. matronalis* Audisio & Spornraft, 1990 D [Hansen & al. 1992; Hansen & al. 1994]
 - *Meligethes bidens* Bris. - add E [Miländer 1993c]
 - After *Meligethes difficilis* (Heer) - add *M. kunzei* Erichson, 1845 A [Barševskis 1993]
 - After *Meligethes haemorrhoidalis* Först. - add *M. buyssoni* Brisout de Barneville, 1882 A [Barševskis 1993], and *M. persicus* Faldermann, 1837 (*pedicularius* auct., *viduatus* auct.) FKS N EAI [Audisio 1993, Lundberg 1995]
 - *Meligethes pedicularius* (Gyll.) - delete FK N [Lundberg 1995]
 - *Meligethes viduatus* (Heer) - synonymize with *M. pedicularius* (Gyll.) [Audisio 1993]
 - After *Meligethes maurus* Sturm - add *M. incanus* Sturm, 1845 E [Miländer 1993c]
 - *Meligethes nigrescens* Steph. - add E [Haberman 1993]
 - *Meligethes tristis* Sturm - add E [Miländer 1993c]
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- *Pocadius adustus* Rtt. - add S [Lundberg 1995]
 - **Pocadiodes** Ganglbauer, 1899 - change to **Lordyrodus** Reitter, 1884 (**Pocadiodes** Gglb.) [Audisio 1993]
 - *Thalycra fervida* (Ol.) - add E [Roosileht 1994b]
 - *Cyllodes ater* (Hbst.) - add E [Haberman 1993]
 - After *Glischrochilus hortensis* (Geoffr.) - add *G. quadrisignatus* (Say, 1835) A [Barševskis 1993]
 - *Monotoma conicicollis* Aubé - add E [Miländer 1992]

- *Monotoma angusticollis* (Gyll.) - add E [Miländer 1992]
- *Monotoma spinicollis* Aubé - add N [Sagvolden & Hansen 1993]
- *Monotoma brevicollis* Aub. - add EA [Miländer 1992, Barševskis 1993]
- *Monotoma brevicornis* Motsch. - delete F [Muona 1995b]
- *Monotoma bicolor* Villa - add E [Miländer 1992]
- *Monotoma testacea* Motsch. - add E [Miländer 1992]
- *Monotoma longicollis* (Gyll.) - add E [Miländer 1992]
- *Psammoecus desjardinsi* Guér. - add i for D [Hansen 1996]

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- *Cucujus* Müller, 1764 - change author to Fabricius, 1775 [Opinion 1754]
- *Cryptolestes duplicatus* (Waltl) - add i for D [Lundberg 1995, Hansen 1996]
- *Cryptolestes ferrugineus* (Steph.) - change B to A [Barševskis 1993]
- *Cryptolestes abietis* (Wank.) - add E [Miländer 1993b]
- *Cryptolestes spartii* (Curt.) - delete i for D [Hansen & al. 1993]
- After *Cryptolestes spartii* - add *C. capensis* (Waltl, 1832) i (for D) [Hansen & al. 1993]
- After *Cryptolestes pusillus* (Schönh.) - add *C. pusilloides* (Steel & Howe, 1952) i (for D) [Hansen & al. 1993]
- *Cryptolestes turcicus* (Grouv.) - change i to D [Lundberg 1995, Hansen 1996]
- *Pteryngium crenatum* (F.) - add DE [Roosileht 1994b, Hansen 1996, Hansen & al. 1996]
- Before *Cryptophagus* Hbst. - add *Micrambe* Thomson, 1863, gen. dist. [Reška 1994]
- *Cryptophagus bimaculatus* (Panz.), *C. lindbergorum* Bruce, *C. villosus* Heer, *C. abietis* (Payk.) and *C. longitarsis* J.Sahlb. - transfer to *Micrambe* Thoms. [Reška 1994]
- *Micrambe bimaculatus* (Panz.) - add E [Miländer 1993b]
- *Cryptophagus angustus* Ganglbauer, 1899 - change to *C. parallelus* Brisout de Barneville, 1863 (*angustus* Ggbl.) [Reška 1994]
- *Cryptophagus cylindrus* Kiesw. - add E [Haberman 1993]
- *Cryptophagus lapponicus* Gyll. - add E [Miländer 1993b]

- *Cryptophagus instabilis* Bruce, 1936 - change to *C. tuberculatus* Mäklin, 1853 (*instabilis* Bruce) [Ljubarsky 1992]
- *Cryptophagus labilis* Er. - add N [Hanssen & al. 1985]
- *Cryptophagus confusus* Bruce - add K [Siitonen & al. 1995]
- *Cryptophagus postpositus* J.Sahlberg, 1903 - change to *C. immixtus* Rey, 1889 (*postpositus* J.Sahlb.) [Reška 1994]

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- *Spavius glaber* (Gyll.) - add E [Miländer 1993b]
- *Antherophagus nigricornis* (F.) - change B to A [Barševskis 1993]
- *Atomaria pseudatra* Rtt. - add E [Haberman 1993]
- *Atomaria gutta* Newm. - add E [Miländer 1993b]
- *Atomaria berlinensis* Kraatz, 1853 - change to *A. rubella* Heer, 1841 (*berlinensis* Kr.) [Johnson 1992]; add A [Barševskis 1993]
- *Atomaria atricapilla* Steph. - add EA [Miländer 1993b, Barševskis 1993]
- *Atomaria nitidula* (Marsh.) - add D [Hansen & al. 1993]
- *Atomaria ruficornis* (Marsham, 1802) - change to *A. testacea* Stephens, 1830 (*ruficornis* (Marsham, 1802) nec (Gmelin, 1790)) [Johnson 1992]; add A [Barševskis 1993]
- *Atomaria nigriventris* Steph. - add E [Miländer 1993b]
- *Atomaria consanguinea* Johnson, 1976 - change to *A. punctithorax* Reitter, 1887 (*consanguinea* Johns.) [Johnson 1992]
- *Atomaria fuscicollis* Mannerheim, 1852 - change to *A. nigrirostris* Stephens, 1830 (*fuscicollis* Mannh.) [Johnson 1992]; add A [Barševskis 1993]
- After *Atomaria bella* Rtt. - add *A. lohsei* Johnson & Strand, 1968 D [Hansen & al. 1992]
- *Atomaria pulchra* Er. - add EA [Miländer 1993b, Barševskis 1993]

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- *Tritominae* Shuckard, 1840 - change author to Curtis, 1834 [Lawrence & Newton 1995]
- *Tritoma* Müller, 1764 - change author to Fabricius, 1775 [Opinion 1754]
- *Tritoma subbasalis* (Rtt.) - add EA [Öunap 1993, Barševskis & Savenkovs 1992]
- *Triplax rufipes* (F.) - change B to EA [Miländer 1993b, Barševskis 1996c]

- *Phalacrus fimetarius* (Fabricius, 1775) - change to *P. corruscus* (Panzer, 1797) (*fimetarius* auct. nec F.) [Hansen 1996]
- *Phalacrus dieckmanni* Vogt - add D [Hansen & al. 1994]
- *Phalacrus championi* Guill. - change B to A [Barševskis 1993]
- *Phalacrus caricis* Sturm - add N A [Sagvolden & Hansen 1993, Barševskis 1993]
- *Phalacrus brisouti* Rye, 1872 - change to *P. fimetarius* (Fabricius, 1775) (*brisouti* Rye) [Hansen 1996]
- *Olibrus corticalis* (Panz.) - add N [Sagvolden & Hansen 1993]
- After *Olibrus norvegicus* Munst. - add *O. flavicornis* (Sturm, 1807) FKS N EA [Lundberg 1995]
- *Cerylon ferrugineum* Steph. - add E [Öunap 1993]
- **Sphaerosomatidae** Ganglbauer, 1899 (1856) - add synonym **Alexiidae** Imhoff, 1856 [orig.]
- *Sphaerosoma pilosum* (Panz.) - add E [Roosileht 1994b]
- **Endomychidae** Leach, 1815 - after family name add **Merophysinae** Crowson, 1955, with genus *Holoparamecus* Curtis, 1833 and species *H. caularum* (Aubé, 1843) S D [Lundberg 1994, Hansen & al. 1994]

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- **Madaini** Gordon, 1975 - change to **Cynegetini** Thomson, 1866 [Hansen 1996]
- *Scymnus ater* Kug. - read S (misplaced)
- *Nephus limonii* (Donisth.) - add S [Lundberg 1994]

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- After *Hippodamia notata* (Laich.) - add *H. undecimnotata* (Schneider, 1792) A [Telnov 1996]
- *Oenopia conglobata* (L.) - change D to ? [Hansen & al. 1995]
- *Sericoderus lateralis* (Gyll.) - add A [Barševskis & Savenkovs 1992]
- *Corylophus cassidoides* (Marsh.) - add A [Barševskis & Savenkovs 1992]
- *Enicmus brevicornis* (Mannh.) - add N [Lundberg 1995]
- *Enicmus lundbladi* Palm - add N [Lundberg 1995]
- *Enicmus apicalis* J.Sahlb. - add K [Siitonen & al. 1995]
- *Dienerella separanda* (Reitter, 1887) - change to *D. clathrata* (Mannerheim, 1844) (*separanda* auct. nec Rtt.); add D [Hansen & al. 1992, Hansen 1996]
- *Dienerella argus* (Rtt.) - add i for A [Telnov 1996]

- *Dienerella costulata* (Rtt.) - add i for D [Hansen 1996]
- After *Dienerella costulata* (Rtt.) - add *D. elegans* S [Lundberg 1995]

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- *Stephostethus pandellei* (Bris.) - add E [Miländer 1993b]
- *Aridius australicus* (Belon, 1887) (*norvegicus* (Strand, 1940)) - change to *A. norvegicus* (Strand, 1940) (sp.dist.) [Rücker 1995]
- *Corticaria umbilicata* (Beck) - add E [Miländer 1993b]
- *Corticaria longicornis* (Hbst.) - delete D [Lundberg 1995, Hansen 1996]; add A [Barševskis 1993]
- *Corticaria lapponica* (Zett.) - add E [Miländer 1993b]
- *Corticaria fennica* Johns. - add S [Lundberg 1995]
- *Corticarina lambiana* (Sharp) - add D A [Hansen & al. 1994, Barševskis 1993]
- *Melanophthalma distinguenda* (Com.) - add S D [Gillerfors 1995, Hansen & al. 1994]
- *Biphyllus lunatus* (F.) - change D to ? [Hansen & al. 1992]
- *Cis jacquemartii* Mell. - add EA [Miländer 1993b, Barševskis 1993]
- *Cis glabratus* Mell. - add K D [Hansen & al. 1994, Siitonen & al. 1996]
- *Cis rugulosus* Mell. - change B to A [Barševskis 1993]
- *Cis punctulatus* Gyll. - add E [Miländer 1993b]
- *Cis castaneus* Mell. - delete F [Mannerkoski 1996b]
- *Cis dentatus* Mell. - add K [Siitonen & al. 1995]
- *Cis fissicornis* Mell. - add FK [Rutanan 1995a, Siitonen & al. 1996]
- *Ennearthron cornutum* (Gyll.) - add E [Haberman 1993]
- *Ennearthron laricinum* (Mell.) - add E [Miländer 1993b]

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- *Ennearthron palmi* Lohse - add K [Siitonen & al. 1996]
- *Orthocis linearis* (J.Sahlb.) - delete D [Hansen & al. 1995]; add A [Barševskis 1993]
- *Hadreule elongatula* (Gyll.) - add I [Šablevičius & Ferenca 1995]
- *Xylographus bostrychoides* (Duf.) - change D to i [Hansen 1996]
- *Octotemnus glabriculus* (Gyll.) - add E [Miländer 1993b]
- **Colydiidae** Erichson, 1845 - change year to 1842 [orig.]

- **Colydiinae** Erichson, 1845 - change year to 1842 [orig.]
- **Colydiini** Erichson, 1845 - change year to 1842 [orig.]
- *Aulonium trisulcum* (Geoffr.) - delete S [Lundberg 1994]
- *Synchita humeralis* (F.) - add E [Miländer 1993b]
- **Diodesmini** Reitter, 1911 - synonymize with **Synchitini** [Ivie & Slipinski 1990]
- After *Orthocerus clavicornis* (L.) - add *O. crassicornis* (Erichson, 1845) A [Barševskis 1993]
- *Mycetophagus atomarius* (F.) - add E [Roosileht 1994b]
- *Typhaea decipiens* Lohse - add S [Lundberg 1994]
- *Chrysanthia viridissima* (L.) - add A [Rutenberga 1992]

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- *Chrysanthia nigricornis* (Westhoff, 1881) - change to *C. geniculata* Heyden, 1877 (*nigricornis* Westh.) [Kubisz 1992]
- **Pythidae** Blanchard, 1845 - change author to Solier, 1834 [Lawrence & Newton 1995]
- **Pyrochroa** Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Boros schneideri* (Panz.) - add K [Saalas 1937]
- *Phytobaenus amabilis* F.Sahlb. - add E [Roosileht 1994b]

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- After *Vanonus brevicornis* (Perr.) - add *V. pruinosus* (Kiesenwetter, 1861) A [Barševskis 1996b]
- *Euglenes lokvenci* (Roub.) - synonymize with *E. pygmaeus* [Lohse 1992b]
- *Euglenes oculatus* (Payk.) - add N [Hanssen & al. 1985]
- **Anthicidae** Lacodaire (error for Latreille), 1825 - change author to Latreille, 1819 [Lawrence & Newton 1995]
- **Notoxus** Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- **Anthicinae** Latreille, 1825 - change year to 1819 [Lawrence & Newton 1995]
- As first in Anthicinae - add **Formicomus** LaFerté-Sénéctère, 1848, with *F. pedestris* (Rossi, 1790) A [Telnov 1996]
- *Anthicus sellatus* (Panz.) - transfer to *Cordicomus* [Uhmann 1992]
- *Anthicus axillaris* Schmidt - delete F [Mannerkoski 1996b]
- *Anthicus kolenatii* Kolen. - transfer to *Omonadus* [Uhmann 1992]

- *Omonadus formicarius* (Gze.) - add A [Telnov 1996]
- *Sticticomus tobias* (Mars.) - add A [Telnov 1996]
- **Cerocoma** Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- **Zonitidinae** Lacordaire, 1857 - change to **Nemognathinae** Laporte de Castelnau, 1840 [Lawrence & Newton 1995]
- *Eledona agricola* (Hbst.) - add K [Pekkarinen 1995]
- **Diaperis** Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]

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- *Myrmexchixenus subterraneus* Chev. - add E [Miländer 1993b]
- *Blaps mucronata* Latr. - change i to S [Lundberg 1995]
- **Oplocephala** Laporte de Castelnau & Brullé, 1831 - change to *Neomida* Dahl, 1823 (**Oplocephala** Cast. & Brullé) [Stebnicka 1991]
- *Alphitophagus bifasciatus* (Say) - add A [Barševskis & Savenkovs 1992]
- *Palorus subdepressus* Woll. - add i for S [Lundberg 1995]
- *Palorus ratzeburgii* (Wissm.) - change i to D [Hansen 1996]
- *Tribolium madens* (Charp.) - add i for D [Hansen 1996]
- *Alphitobius diaperinus* (Panz.) - change i to S [Lundberg 1995]
- *Alphitobius laevigatus* (F.) - change i to S [Lundberg 1994]
- Before *Gnatocerus* Thunb. - add **Martianus** Fairmaire, 1893, with *M. dermestoides* (Chevrolat, 1878) S [Lundberg 1995]
- *Cynaesus opacus* Champ. - add S [Ferrer 1995]
- *Cynaesus angustatus* (LeC.) - change to *C. angustus* (LeC.) [Ferrer 1995]
- *Stenomax lanipes* (Linnaeus, 1771) - change to *S. aeneus* (Scopoli, 1763) (*lanipes* (L.)) [Schawaller 1995]

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- *Corticeus pini* (Panz.) - add i for S [Lundberg 1995]; add A [Barševskis 1993]
- *Prionychus ater* (F.) - add E [Kesküla 1993]
- *Hymenalia rufipes* (F.) - add N A [Hansen & Sagvolden 1995, Barševskis 1996c]
- *Anaspis arctica* Zett. - add E [Roosileht 1994b]
- After *Variimorda villosa* (Schrank) - add *V. brian-tea* (Comolli, 1837) A [Barševskis 1993]

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- *Mordellistena brevicauda* (Boh.) - change D to ? [Hansen & al. 1993]
- After *Mordellistena multicicatrix* Kangas - add *M. secreta* Horák, 1983 S [Lundberg 1994]
- After *Mordellistena humeralis* (L.) - add *M. rufifrons* Schilsky, 1894 A [Barševskis 1993]
- *Eustrophus dermestoides* (F.) - add E [Miländer 1994]
- After *Orchesia micans* (Panz.) - add *O. fusiformis* Solsky, 1871 A [Barševskis 1993]
- *Orchesia undulata* Kr. - add E [Öunap 1993]
- *Anisoxya fuscula* (Ill.) - add N [Hansen & Sagvolden 1995]
- *Dircaea australis* Fairm. - add A [Telnov 1996]
- *Rushia parreyssii* (Muls.) - add D [Hansen 1996]
- *Serropalpus barbatus* (Schall.) - add i for D [Hansen 1996]

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- In *Zilora* Muls. - add as first in genus *Z. sericea* (Sturm, 1807) EA [Miländer 1993b, Barševskis 1993]
- *Zilora ferruginea* (Payk.) - add E [Öunap 1993]
- *Melandrya barbata* (F.) - add N [Lundberg 1995]
- *Prionus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Tetropium aquilonium* Plav. - add S [Lundberg 1993]
- *Stenocorus* Fabricius, 1775 - change author to Geoffroy, 1762 [Opinion 1754]
- *Evodinus borealis* (Gyll.) - add A [Barševskis & Savenkovs 1992]

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- *Anoplodera livida* (F.) - add K [Pekkarinen 1995, Siitonen & al. 1996]
- *Anoplodera reyi* (Heyd.) - change D to i [Hansen 1996]
- *Leptura mimica* Bates, 1884 - change to *Leptura annularis* Fabricius, 1801 (*arcuata* Panzer, 1793, nec Linnaeus, 1758) [Pesarini & Sabbadini 1994]
- *Molorchus umbellatarum* (Schreb.) - add N E [Lundberg 1995, Miländer 1994]

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- *Semanotus undatus* (L.) - change D to i [Hansen 1996, Hansen & al. 1996]

- After *Callidium aeneum* (DeG.) - add *C. rufipenne* (Motschulsky, 1860) D [Lundberg 1995]
- *Acanthoderes* Audinet-Serville, 1835 - change to *Aegomorphus* Haldeman, 1847 (*Acanthoderes* auct.) [Sama 1994]

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- *Saperda octopunctata* (Scop.) - add S [Lundberg 1995]
- *Macroplea mutica* (F.) - add A [Telnov 1996]
- *Donacia sparganii* Ahr. - add I [Karalius & Monsevičius 1992]
- *Crioceris* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Crioceris duodecimpunctata* (L.) - add E [Öunap 1993]
- After *Oulema melanopus* (L.) - add *O. duftschmidi* (Redtenbacher, 1874) S D [Hansen 1994, Lundberg 1995]
- *Zeugophora scutellaris* Suffr. - add I [Karalius & Monsevičius 1992]

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- *Smaragdina cyanea* (Fabricius, 1775) - change to *Smaragdina salicina* (Scopoli, 1763) (*cyanea* (F.)) [Beenen & Winkelman 1993]
- *Cryptocephalus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Cryptocephalus cordiger* (L.) - add N [Lundberg 1995]
- *Cryptocephalus caerulescens* Sahlberg, 1839 - change year to 1838 [orig. & Reuter & Luther 1909]
- *Cryptocephalus pallifrons* Gyll. - add AI [Barševskis 1993, Karalius & Monsevičius 1992]
- *Cryptocephalus exiguus* Schn. - add I [Šablevičius & Ferencs 1995]
- *Chrysolina diversipes* (Bedel, 1892) - change to *C. sturmi* (Westhoff, 1882) (*diversipes* (Bed.)) [Beenen & Winkelman 1993]
- *Chrysolina sanguinolenta* (L.) - add A [Barševskis 1996c]

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- After *Chrysolina geminata* (Payk.) - add *C. quadrigemina* (Suffrian, 1851) D [Hansen 1996]
- *Galerucella aquatica* (Geoffr.) - add D [Lundberg 1995]
- *Galerucella griseascens* (Joannis, 1866) - change year to 1865 [Beenen & Winkelman 1993]

- *Galeruca* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Galeruca laticollis* Sahlb. - add I [Karalius & Monsevičius 1992]

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- After *Phyllotreta tetrastigma* (Com.) - add *P. dilatata* Thomson, 1866 S D [Lundberg 1995, Hansen 1996]
- *Aphithona pallida* (Bach) - add S [Leiler 1993]
- *Aphithona pygmaea* (Kutsch.) - add E [Haberman 1993]
- *Longitarsus plantagomaritimus* Dollm. - add S [Lundberg 1995]
- *Longitarsus scutellaris* Rey - change to *L. lewisii* Baly, 1874 (*scutellaris* auct. nec Rey) [Leonardi & Doguet 1990]
- *Longitarsus aeneicollis* (Fald.) - delete S [Lundberg 1995], add E [Miländer 1993b]
- After *Longitarsus absynthii* Kutsch. - add *L. obliteratus* (Rosenhauer, 1847) A [Barševskis 1993]
- *Altica* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Altica cirsii* Israelson, 1956 - synonymize with *A. carduorum* (Guér.) [Kangas & Rutanen 1993]
- After *Altica tamaricis* Schr. - add *A. deserticola* Weise, 1889 A [Barševskis 1993]
- *Altica pusilla* Duftschmid, 1825 - change to *A. helianthemii* (Allard, 1859) (*pusilla* Duftschmid, 1825, nec Gyllenhal, 1813) [Warchalowski 1995]
- After *Batophila rubi* (L.) - add *B. fallax* Weise, 1888 A [Barševskis 1993]
- *Asiorestia* Jacobson, 1925 - change to *Neocrepidodera* Heikertinger, 1911 (*Asiorestia* Jacobson) [Konstantinov & Vandenberg 1996]

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- *Chaetocnema heikertingeri* Lubischev, 1963 - change to *C. brevicollis* (Thomson, 1866) (*heikertingeri* Lub.) [Döberl 1994]
- After *Dibolia occultans* (Koch) - add *D. timida* (Illiger, 1807) A [Barševskis 1993]
- *Psylliodes luteola* (Müll.) - add E [Roosileht 1994b]
- After *Psylliodes crambicola* Lohse - add *P. cupreata* (Duftschmid, 1825) A [Barševskis 1993]
- After *Psylliodes cucullata* (Ill.) - add *P. reitteri* Weise, 1888 A [Barševskis 1993]
- *Hypocassida subferruginea* (Schrank) - delete S [Lundberg 1995]
- *Cassida margaritacea* Schall. - add A [Barševskis & Savenkovs 1992]

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- *Bruchus* Müller, 1764 - change author to Linnaeus, 1767 [Opinion 1809]
- In *Bruchidius* Schky. - add as first in genus *B. marginalis* (Fabricius, 1777) A [Barševskis 1996c]
- *Callosobruchus chinensis* (L.) - add i for N [Mehl 1989]
- *Callosobruchus maculatus* (F.) - add i for N [Mehl 1989]
- *Tropideres albirostris* (Hbst.) - add I [Šablevičius & Ferenca 1995]
- *Tropideres dorsalis* (Thunb.) - add A [Palm 1992a]
- *Enedreytes sepicola* (F.) - add N [Lundberg 1995]
- *Dissoleucas niveirostris* (F.) - add A [Palm 1992a]
- *Anthribus* Müller, 1764 - change author to Geoffroy, 1762 [Opinion 1754]
- *Anthribus fasciatus* Forst. - add A [Palm 1992a]
- *Anthribus nebulosus* Forst. - add A [Palm 1992a, Barševskis 1993]

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- *Apion austriacum* Wagn. - add D A [Hansen & al. 1993, Barševskis 1993]
- *Apion stolidum* Germ. - add I [Wanat 1995]
- *Apion origani* Plan. - delete D [Lundberg 1995]
- *Apion interjectum* Desbr. - add K [Kangas 1982]
- *Apion ononicola* Bach, 1854 - change to *A. ononidis* Gyllenhal, 1827 (*ononicola* Bach) [Behne 1994]
- *Apion laticeps* Desbr. - add K [Pekkarinen 1995]
- After *Apion curtirostre* Germ. - add *A. oblongum* Gyllenhal, 1839 A [Barševskis 1993]
- *Apion frumentarium* (L.) - delete N [Lundberg 1995]
- *Apion cruentatum* Walt. - add N [Kvamme 1981]
- After *Apion virens* Hbst. - add *A. elegantulum* Germar, 1818 A [Barševskis 1993]
- *Apion aestimatum* Faust - add A [Rutenberga 1992]

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- *Apion craccae* (Linnaeus, 1867) - change year to 1767 [orig.]
- *Otiorhynchus hungaricus* Germ. - delete S [Lundberg 1994]
- *Otiorhynchus porcatus* (Hbst.) - add E [Haberman 1993]
- *Otiorhynchus desertus* Rosh. - add A [Palm 1996]
- After *Otiorhynchus atroapterus* (DeG.) - add *O. dieckmanni* Magnano, 1979 S [Lundberg 1995, Palm 1996], and *O. orbicularis* (Herbst, 1795) I [Šablevičius & Ferenca 1995]

- After *Simo hirticornis* (Hbst.) - add *S. variegatus* (Boheman, 1843) D [Palm 1995]
- *Trachyphloeus digitalis* (Gyll.) - delete K [Palm 1996]
- *Trachyphloeus scabriculus* (L.) - add K [Palm 1996]
- *Omiamima mollina* (Boh.) - add S A [Lundberg 1995, Barševskis 1993]
- *Omiamima concinna* (Boh.) - delete I [Palm 1996]
- *Phyllobius parvulus* (Ol.) - delete D [Hansen & al. 1992], add E [Haberman 1993], change B to A [Barševskis 1993]
- *Phyllobius vespertinus* (F.) - add A [Palm 1996]

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- *Polydrusus impressifrons* Gyll. - add S [Lundberg 1995, Sörensson 1995]
- *Polydrusus ruficornis* (Bonsdorff, 1785) - change to *P. fulvicornis* (Fabricius, 1792) (*ruficornis* (Bonsdorff, 1785) nec (Linnaeus, 1758)) [Palm 1996]
- After *Eusomus* Germ. - add *Sciaphobus* Daniel, 1904, with *S. rubi* (Gyllenhal, 1813) S [Dufberg 1995]
- *Barypeithes araneiformis* (Schrank) - add i for S [Lundberg 1994a & b]
- *Strophosoma melanogrammum* (Forst.) - add subspecies *septentrionale* Pelletier, 1995 N [Pelletier 1995]
- *Strophosoma fulvicorne* Walt. - add N [Palm 1996]
- *Barynotus moerens* (F.) - add K [Palm 1996]
- *Tropiphorus elevatus* (Hbst.) - add A [Palm 1996, Barševskis 1996c]
- Before *Chlorophanus* Sahlb. - add *Cycloderes* Sahlberg, 1823, with *C. pilosulus* (Herbst, 1795) I [Palm 1996]
- *Chlorophanus gibbosus* (Paykull, 1792) - change to *C. pollinosus* (Fabricius, 1792) (*gibbosus* (Paykull, 1792) nec (Gmelin, 1790)) [Palm 1996]
- In *Sitona* Germ. - add as first in genus *S. gressorius* (Fabricius, 1792) S I [Lundberg, 1995, Palm 1996, Šablevičius & Ferenca 1995]
- *Sitona cambricus* Steph. - delete S, add D [Palm 1992b]
- *Sitona ononidis* Sharp, 1866 - change to *S. lateralis* Gyllenhal, 1834 (*ononidis* Sharp) [Korotyaev 1994], add FK [Silfverberg 1995c]

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- *Sitona lineellus* (Bonsd.) - add AI [Palm 1996]
- *Larinus planus* (F.) - delete F [Silfverberg 1995a]

- After *Lixus myagri* (Ol.) - add *L. punctiventris* Boheman, 1836 ? (for A) [Barševskis 1993]
- *Lixus bardanae* (F.) - add E [Öunap 1993]
- After *Coniocleonus nebulosus* (L.) - add *C. nigrosuturatus* (Goeze, 1777) ? (for A) [Barševskis 1993]
- Before *Hypera* Germ. - add *Donus* Jekel, 1864, with *D. tessellatus* (Herbst, 1795) A [Barševskis 1993]
- *Hypera venusta* (F.) - delete F [Mannerkoski 1996b]

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- *Thryogenes fiorii* Zumpt - change to *T. atrirostris* Lohse, 1992 (*fiorii* auct.) [Palm 1993]
- *Dorytomus filirostris* (Gyll.) - add D [Palm & Esser 1994]
- *Dorytomus dejeani* Faust - add A [Barševskis 1996c]
- In *Cionus* Clairv. & Schell. - add as first in genus *C. alauda* (Herbst, 1784) N [Solheim 1992]

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- *Anthonomus pomorum* (L.) - delete F [Mannerkoski 1996b]
- *Anthonomus ulmi* (DeG.) - delete F, add EA [Mannerkoski 1996b, Miländer 1993b, Barševskis 1993]
- *Anthonomus conspersus* Desbr. - add D A [Hansen & al. 1994, Barševskis 1993]
- *Anthonomus rufus* Gyll. - delete F [Mannerkoski 1996b]
- *Rhynchaenus alni* (L.) - add K A [Pekkarinen 1995, Barševskis 1993]
- After *Rhynchaenus* Clairv. & Sch. - add *Tachyerges* Schönherr, 1826 and *Isochnus* Thomson, 1859 [Kojima & Morimoto 1996]
- *Rhynchaenus decoratus* (Germ.), *R. rufitarsis* (Germ.), *R. salicis* (L.), *R. stigma* (Germ.) and *R. pseudostigma* Temp., 1982 - transfer to *Tachyerges* Schönh. [Kojima & Morimoto 1996]
- *Rhynchaenus populicola* Silfv., *R. foliorum* (Müll.), *R. flagellum* (Er.) and *R. angustifrons* (West) - transfer to *Isochnus* Thoms. [Kojima & Morimoto 1996]
- *Gymnetron villosulum* Gyll. - add A [Barševskis 1996c]

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- *Miarus graminoides* (Kangas) - delete S [Lundberg 1994]
- *Pentarthrum huttoni* Woll. - change i to D [Lundberg 1995, Hansen 1996]

- *Euophryum rufum* (Broun) - add i for N [Mehl 1989], change i to D [Lundberg 1995, Hansen 1996]
- *Euophryum confine* (Broun) - add i for N [Mehl 1989], change i to D [Hansen & al. 1992]

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- *Phloeophagus lignarius* (Marsh.) - add E [Roosileht 1994b]
- *Phloeophagus thomsoni* (Grill) - add E [Haberman 1993]
- After *Magdalis phlegmatica* (Hbst.) - add *M. rufa* Germar, 1824 A [Barševskis 1996c]
- *Magdalis ruficornis* (L.) - add A [Barševskis 1996c]
- After *Liparus coronatus* (Gze.) - add *L. glabrirostris* Küster, 1849 I [Šablevičius & Ferenca 1995]
- *Acalles parvulus* Boh. - delete D [Lundberg 1995]
- After *Acalles parvulus* Boh. - add *A. misellus* Boheman, 1844 D [Lundberg 1995], and *A. lemur* (Germar, 1824) A [Barševskis 1993]
- After *Baris artemisiae* (Hbst.) - add *B. spitzyi* Motschulsky, 1847 E [Miländer 1993b], and *B. dalmatina* Brisout de Barneville, 1870 A [Barševskis 1993]

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- *Scleropterus serratus* (Germ.) - add A [Barševskis 1996c]
- *Poophagus* Schönherr, 1833 - change year to 1837 [orig.]
- *Thamiocolus sahlbergi* (Sahlb.) - add D [Lundberg 1995]
- *Ceutorhynchus pleurostigma* (Marsh.) - add synonym *assimilis* (Paykull, 1792), nec (Fabricius, 1775) [Colonnelli 1993; Dieckmann & Behne 1994]
- *Ceutorhynchus assimilis* (Paykull, 1792) - change to *C. obstructus* (Marshall, 1802) (*assimilis* auct. nec (Paykull, 1792), nec (Fabricius, 1775)) [Colonnelli 1993; Dieckmann & Behne 1994]

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- *Ceutorhynchus granulicollis* Thomson, 1865 - change to *Ceutorhynchus gerhardti* Schultz, 1899 (*granulicollis* Thomson, 1865, nec (Schönherr, 1837)) [Colonnelli 1986; Dieckmann & Behne 1994]
- *Ceutorhynchus pyrrorhynchus* (Marsh.) - delete F [Mannerkoski 1996b]
- After *Ceutorhynchus pyrrorhynchus* (Marsh.) - add *C. suturalis* (Fabricius, 1775) A [Barševskis 1996c]
- *Ceutorhynchus trimaculatus* (F.) - delete F [Mannerkoski 1996b]

- *Sitophilus oryzae* (L.) - change i to D [Hansen 1996]; add A [Barševskis 1993]
- *Sitophilus zeamais* Motsch. - add i for N, change i to D [Mehl 1989, Hansen 1996]

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- *Hylesinus varius* (F.) - add E [Öunap 1996]
- *Hylurgus ligniperda* (F.) - add E [Voolma & Öunap 1994]
- *Scolytus scolytus* (F.) - delete SN [Lundberg 1995], add E [Voolma & al. 1995]
- *Scolytus triarmatus* (Egg.) - elevate to distinct species, SND [Lundberg 1995, Hansen & al. 1995]
- *Scolytus mali* (Bechst. & Sch.) - add E [Voolma & Öunap 1994]
- *Orthotomicus longicollis* (Gyll.) - add K A [Siitonen & al. 1996, Barševskis 1993]
- As first in *Ips* - add *I. cembrae* i (for S) D [Lundberg 1995, Hansen 1996, Hansen & al. 1996]
- *Dryocoetes villosus* (F.) - add I [Karalius & Monsevičius 1992]
- *Trypodendron proximum* (Nij.) - add K E [Muona 1994b, Voolma 1996]

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- *Xyleborus monographus* (F.) - add E [Haberman 1993]
- *Trypophloeus discedens* Palm - add E [Süda 1996]
- *Trypophloeus grothii* (Haged.) - change to subspecies of *T. granulatus* (Ratz.) [Pfeffer 1994]

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Appendix 1. Further Coleoptera recorded as new for Latvia (from Barševskis 1993)

- Elaphrus lapponicus* Gyll.
Trechus austriacus Dej.
Pterostichus adstrictus Eschzt.
Calathus mollis (Marsh.)
Agonum scitulum Dej.
Agonum consimile (Gyll.)
Amara littorea Thoms.
Amara convexiuscula (Marsh.)
Badister meridionalis Puel
Badister dorsiger (Duft.)
Ophonus rupicola (Sturm)
Ophonus schaubergerianus (Puel)
Ophonus puncticeps Steph.
Anisodactylus nemorivagus (Duft.)
Stenolophus teutonius (Schrk.)
Perigona nigriceps (Dej.)
Demetrias imperialis (Germ.)
Dromius linearis (Ol.)
Haliplus interjectus Lindb.
 (transversus auct.)
Haliplus sibiricus Motsch.
 (lindbergi Falk.)
Hydroporus elongatulus Sturm
Agabus clypealis (Thoms.)
Agabus melanocornis Zimm.
Helophorus flavipes (F.)
 (viridicollis Steph.)
Anacaena globulus (Payk.)
Enochrus quadripunctatus (Hbst.)
Cercyon laminatus Sharp
Cercyon tristis (Ill.)
Limnebius truncatellus (Thunb.)
Saprinus planiusculus Motsch.
Gnathoncus nannetensis (Mars.)
Carcinops pumilio (Er.)
Margarinotus obscurus (Kug.)
Ptiliola kunzei (Heer)
Leiodes silesiaca (Kr.)
Leiodes gyllenhalii Steph.
Catops grandicollis Er.
Catops nigriclavus Gerh.
Colon rufescens Kr.
Colon serripes (Sahlb.)
Cephennium thoracicum Müll. & K.
Scydmorephes sparshalli (Denny)
Stenichnus scutellaris (Müll. & K.)
Bisnius subuliformis (Grav.)
Philonthus lepidus (Grav.)
Philonthus furcifer Renk.
 (virgo auct.)
Philonthus fumarius (Grav.)
Ocyopus pedator (Grav.)
Quedius maurus (Sahlb.)
Quedius vexans Epp.
Quedius nigriceps Kr.
Quedius nitipennis (Steph.)
Hypnogyra glabra (Nordm.)
Xantholinus longiventris Heer
Stenus pusillus Steph.
Eusphalerum lapponicum (Mannh.)
Phloeonomus pusillus (Grav.)
Scaphidium quadrimaculatum Ol.
Scaphisoma agaricinum (L.)
Scaphisoma inopinatum Löbl
Scaphisoma boleti (Panz.)
Scaphisoma subalpinum Rtt.
Scaphisoma balcanicum Taman.
Scaphisoma boreale Lundbl.
Deleaster dichrous (Grav.)
Anotylus clypeonitens (Pand.)
Bledius dama Motsch.
Bledius femoralis (Gyll.)
Bledius erraticus Er.
Tachinus marginellus (F.)
Lomechusa paradoxa (Grav.)
Biblopectus spinosus Raffr.
Meliceria tragardhi Palm
Brachygluta fossulata (Reich.)
Clambus gibbulus (LeC.)
Euclinetus haemorrhoidalis (Germ.)
Scirtes orbicularis (Panz.)
Maladera holosericea (Scop.)
Dryops auriculatus (Geoffr.)
Dryops ernesti Goz.
Cantharis annularis Mén.
 (as *C. oculata* "Gyll.", cf. Horion 1953)
Malthinus balteatus Suffr.
Malthinus frontalis (Marsh.)
Cidnopus parvulus (Panz.)
Dicronychus cinereus (Hbst.)
Eucnemis capucina Ahr.
Agrilus paludicola Krog. ?
Lamprobyrrhulus nitidus (Schall.)
Cytilus auricomus (Duft.)
Byrrhus pustulatus (Forst.)
Anthrenus polonicus Mrocz.
Ernobius kiesenweitteri Schky.
Anobium nitidum F.
Anobium rufipes F.
Anobium thomsoni (Kr.)
Hadrobregmus denticollis (Creutz.)
Hadrobregmus confusus (Kr.)
Xyletinus fibyensis Lundbl.
Xyletinus longitarsis Janss.
Xyletinus planicollis Lohse
Dorcatoma robusta Strand
Ptinus sexpunctatus Panz.
Hylecoetus dermestoides (L.)
Necrobia violacea (L.)
Dasytes flavipes (Ol.)
Epuraea fageticola Aud.
Epuraea boreella (Zett.)
Epuraea pygmaea (Gyll.)
Epuraea melina (Er.)
Omosita depressa (L.)
Nitidula bipunctata (L.)
Pocadius ferrugineus (F.)
Rhizophagus ferrugineus (Payk.)
Rhizophagus picipes (Ol.)
Ahasverus advena (Waltl)
Psammoeceus bipunctatus (F.)
Laemophloeus muticus (F.)
Telmatophilus typhae (Fall.)
Telmatophilus schoenherrii (Gyll.)
Cryptophagus pseudodentatus Bruce
Cryptophagus corticinus Thoms.
Cryptophagus lycoperdi (Scop.)
Cryptophagus pilosus Gyll.

- Antherophagus pallens* (L.)
Atomaria zetterstedti (Zett.)
Atomaria lewisi Rtt.
Atomaria atra (Hbst.)
Atomaria basalis Er.
Atomaria mesomela (Hbst.)
Atomaria scutellaris Motsch.
Atomaria analis Er.
Atomaria linearis Steph.
Atomaria atrata Rtt.
Ootypus globosus (Waltl)
Curelius exiguus (Er.)
Dacne bipustulata (Thunb.)
Olibrus bimaculatus Küst.
Stilbus atomarius (L.)
Stilbus oblongus (Er.)
Cerylon deplanatum (Gyll.)
Scymnus femoralis (Gyll.)
Orthoperus punctatus Wank.
Orthoperus punctulatus Rtt.
Orthoperus atomus (Gyll.)
Orthoperus mundus Matth.
Orthoperus nigrescens Steph.
Latridius pseudominutus (Strand)
Latridius nidicola (Palm)
Enicmus histrio Joy & Toml.
Stephostethus angusticollis (Gyll.)
Corticaria abietorum Motsch.
Corticaria polypori J.Sahlb.
Corticarina similata (Gyll.)
Corticarina obfuscata Strand
Corticarina truncatella (Mannh.)
Corticarina latipennis (J.Sahlb.)
Cis alter Silfv.
Cis hanseni Strand ?
Cis comptus Gyll.
Cis setiger Mell.
Cis bidentatus (Ol.)
Orthocis alni (Gyll.)
Orthocis linearis (J.Sahlb.)
Orthocis pygmaeus (Marsh.)
Mycetophagus salicis Bris.
Mycetophagus populi (F.)
Chrysanthia viridissima (L.)
Oedemera femorata (Scop.)
Colposis mutilatus (Beck)
Bolitophagus reticulatus (L.)
Opatrum riparium Scr.
Corticeus longulus (Gyll.)
Pseudocistela ceramboides (L.)
Cyrtanaspis phalerata (Germ.)
Anaspis flava (L.)
Tetratoma ancora F.
Monochamus saltuarius Gebl.
Pogonocherus ovatus (Gze.)
Saperda similis Laich.
Phytoecia virgula (Charp.)
Donacia brevitarsis Thoms.
Liliocercis lilii (Scop.)
Oulema erichsonii (Suffr.)
Zeugophora subspinosa (F.)
Zeugophora turneri Pow.
Labidostomis tridentata (L.)
Cryptocephalus sexpunctatus (L.)
Cryptocephalus vittatus F.
Cryptocephalus bilineatus (L.)
Cryptocephalus labiatus (L.)
Cryptocephalus pusillus F.
Phaedon laevigatus (Duft.)
Galerucella pusilla (Duft.)
Lochmaea crataegi (Forst.)
Luperus luperus (Sulz.)
Altica engstromi J.Sahlb.
Altica chamaenerii Lindb.
Neocrepidodera transversa (Marsh.)
Crepidodera aurea (Geoffr.)
Crepidodera plutus (Latr.)
Crepidodera lamina (Bed.)
Dibolia cryptocephala (Koch)
Sphaeroderma rubidum (Graells)
Psylliodes cuprea (Koch)
Pilemostoma fastuosa (Schall.)
Cassida vibex L.
Cassida ferruginea Gze.
Cassida denticollis Suffr.
Cassida prasina Ill.
Bruchus atomarius (L.)
Bruchus affinis Fröl.
Bruchus pisorum (L.)
Cimberis attelaboides (F.)
Pselaphorhynchites nanus (Payk.)
Pselaphorhynchites tomentosus (Gyll.)
Apion penetrans Germ.
Apion urticarium (Hbst.)
Apion astragali (Payk.)
Apion ebeninum Kby.
Apion opeticum Bach
Apion vorax Hbst.
Apion facetum Gyll.
Otiorrhynchus tristis (Scop.)
Phyllobius oblongus (L.)
Phyllobius arborator (Hbst.)
Sitona griseus (F.)
Sitona cylindricollis (Fähr.)
Larinus jaceae (F.)
Dorytomus minutus (Gyll.)
Dorytomus melanophthalmus (Payk.)
Dorytomus rufatus (Bed.)
Dorytomus salicinus (Gyll.)
Dorytomus salicis Walt.
Anthonomus humeralis (Panz.)
Anthonomus sorbi Germ.
Anthonomus brunnipennis Curt.
Tachyerges rufitarsis (Germ.)
Tachyerges pseudostigma (T.)
Pissodes piceae (Ill.)
Baris artemisiae (Herbst)
Phytobius velaris (Gyll.)
Phytobius quadricorniger Colonn.
Auleutes epilobii (Gyll.)
Rutidosoma fallax (Otto)
Ceutorhynchus ignitus Germ.
Ceutorhynchus barbareae Suffr.
Ceutorhynchus campestris Gyll.
Hylurgops starki Egg.
Hylastes ater (F.)
Scolytus multistriatus (Marsh.)
Scolytus laevis Chap.
Lymantor coryli (Perr.)
Trypodendron signatum (F.)
Xyleborus dispar (F.)
Xyleborus cryptographus (Ratz.).

Appendix 2. The families and subfamilies of North European Coleoptera as arranged by Lawrence & Newton (1995).

Myxophaga	Scydmaenidae	Agrilinae
Microsporidae	Silphidae	Byrrhoidea
Adephaga	Silphinae	Byrrhidae
Gyrinidae	Nicrophorinae	Byrrhinae
Haliplidae	Staphylinidae	Syncalyptinae
Trachypachidae	Omaliinae	Elmidae
Noteridae	Proteininae	Dryopidae
Dytiscidae	Micropeplinae	Limnichidae
Copelatinae	Pselaphinae	Heteroceridae
Laccophilinae	Phloeocharinae	Psephenidae
Hydroporinae	Olisthaerinae	Eubriinae
Colymbetinae	Tachyporinae	Elateroidea
Dytiscinae	Trichophyinae	Eucnemidae
Rhysodidae	Habrocerinae	Melasinae
Carabidae	Aleocharinae	Eucneminae
Omoproninae	Scaphidiinae	Macraulacinae
Carabinae	Oxytelinae	Throscidae
Cicindelinae	Oxyporinae	Elateridae
Loricerinae	Steninae	Lissominae
Elaphrinae	Euaesthetinae	Agrypninae
Scaritinae	Paederinae	Denticollinae
Trechinae	Staphylininae	Negastrinae
Harpalinae	(incl. Xantholininae)	Elaterinae
Brachininae	Scarabaeiformia	Cardiophorinae
Polyphaga	Scarabaeoidea	Drilidae
Staphyliniformia	Lucanidae	Lycidae
Hydrophiloidea	Aesalinae	Erotinae
Hydrophilidae	Lucaninae	Calochrominae
Helophorinae	Trogidae	Lampyridae
Georissinae	Geotrupidae	Cantharidae
Hydrochinae	Bolboceratinae	Cantharinae
Spercheinae	Geotrupinae	Silinae
Hydrophilinae	Scarabaeidae	Malthininae
Sphaeridiinae	Aphodiinae	Bostrichiformia
Sphaeritidae	(incl. Aegialiinae)	Derontoidea
Histeridae	Scarabaeinae	Derodontidae
Abraeinae	Melolonthinae	Laricobiinae
Saprininae	(incl. Sericinae &	Bostrichoidea
Dendrophilinae	Hopliinae)	Nosodendridae
Onthophilinae	Rutelinae	Dermestidae
Histerinae	Dynastinae	Dermestinae
Hetaerinae	Cetoniinae	Thorictinae
Staphylininoidea	(incl. Valginae &	Trinodinae
Hydraenidae	Trichiinae)	Thylodrinae
Hydraeninae	Elateriformia	Attageninae
Ochthebiinae	Scirtoidea	Megatominae
Ptiliidae	Eucinetidae	(incl. Anthreninae)
Ptiliinae	Clambidae	Bostrichidae
Nanosellinae	Calyptomerinae	Bostrichinae
Acrotrichinae	Clambinae	Dinoderinae
Agrytidae	Scirtidae	Lyctinae
Leiodiidae	Dascilloidea	Anobiidae
Leiodinae	Dascillidae	Eucradinae
Coloninae	Buprestoidea	(Hedobiinae)
Cholevinae	Buprestidae	Ptininae
Platypyllinae	Buprestinae	Dryophilinae

Ernobiinae	Anommatae	Pythidae
Anobiinae	Bothriiderinae	Pyrochroidae
Ptilininae	Cerylonidae	Salpingidae
Xyletininae	Alexiidae	Agleninae
Dorcatominae	(Sphaerosomatidae)	Salpinginae
Cucujiformia	Endomychidae	(incl. Lissodeminae)
Lymexyloidea	Holoparamecinae	Anthicidae
Lymexylidae	Leiestinae	Aderidae
Hylecoetinae	Endomychinae	Scraptiidae
Lymexylinae	Lycoperdininae	Scraptiinae
Clerioidea	Mycetaeinae	Anaspidinae
Phloiophilidae	Coccinellidae	Chrysomeloidea
Trogossitidae	Coccidulinae	Cerambycidae
Peltinae	Scymninae	Prioninae
Lophocaterinae	Chilocorinae	Spondylidinae
Calitinae	Coccinellinae	(incl. Aseminae)
Trogossitinae	Epilachninae	Necydalinae
Cleridae	Corylophidae	Lepturinae
Tillinae	Corylophinae	Cerambycinae
Clerinae	Sericoderinae	Lamiinae
Enopliinae	Parmulinae	Megalopodidae
Tarsosteninae	(Saciinae)	Zeugophorinae
Korynetinae	Latridiidae	Orsodacnidae
Melyridae	Latridiinae	Chrysomelidae
Rhadalinae	Corticariinae	Bruchinae
Dasytinae	Tenebrionoidea	Donaciinae
Malachiinae	Mycetophagidae	Criocerinae
Cucujoidea	Ciidae	Hispinae
Sphindidae	Tetratomidae	(incl. Cassidinae)
Brachypteridae	Melandyriidae	Chrysomelinae
Nitidulidae	Hallomeninae	Galerucinae
Carpophilinae	Eustrophinae	(incl. Alticinae)
Meligethinae	Melandyriinae	Lamprosomatinae
Nitidulinae	Osphyinae	Cryptocephalinae
Cryptarchinae	Mordellidae	(incl. Clytrinae)
Cybocephalinae	Rhipiphoridae	Eumolpinae
Monotomidae	Pelecotominae	(incl. Synetinae)
Rhizophaginae	Rhipidiinae	Curculionoidea
Monotominae	Rhipiphorinae	Nemonychidae
Phloeostichidae	Colydiidae	Doydirhynchinae
Silvanidae	Pycnomerinae	Anthribidae
Brontinae	Colydiinae	Anthribinae
Silvaninae	Tenebrionidae	Choraginae
Cucujidae	Lagriinae	Attelabidae
Laemophloeidae	Tenebrioninae	Rhynchitinae
Phalacridae	Alleculinae	Attelabinae
Cryptophagidae	Diaperinae	(incl. Apoderinae)
Hypocoprinae	(incl. Myrmechixeninae)	Brentidae
Cryptophaginae	Coelometopinae	Nanophyinae
Atomariinae	Prostomidae	Apioninae
Languriidae	Oedemeridae	Curculionidae
Xenoscelinae	Calopodinae	Brachycerinae
Erotylidae	Oedemerinae	Curculioninae
Dacninae	Stenotrachelidae	Dryophthorinae
Tritominae	Meloidae	Cossoninae
Byturidae	Meloinae	Scolytinae
Biphyllidae	Nemognathinae	Platypodinae
Bothriideridae	Mycteridae	
Teredinae	Boridae	