

## Synonymic catalogue of West Palaearctic *Scopaeina* including biogeographic information

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**Frisch, J., Burckhardt, D., Wolters, V. (2002):**

**Rove beetles of the subtribe *Scopaeina* Mulsant & Rey (Coleoptera: Staphylinidae) in the West Palaearctic: Phylogeny, biogeography and species catalogue. Org. Divers. Evol. 2(1): 27-53.**

Synonymic catalogue of West Palaearctic species of *Micranops* Cameron (1 species) and *Scopaeus* Erichson (83 species), with information on type locality, depository of primary types, and known distribution. The recognized species are listed alphabetically, the synonyms, etc., in chronological order. Genus group synonymies of *Scopaeus* are restricted to West Palaearctic taxa. An “\*” indicates previously unpublished distributional data. New synonymies of species group names are briefly discussed. *Scopaeus pseudolaevigatus* Ochs is a synonym of the Oriental *S. testaceus* Motschulsky (Frisch, in press) and excluded from this catalogue.

Depositories are cited as follows: BMNH = Natural History Museum, London; DEIC = Deutsches Entomologisches Institut, Eberswalde; FMNH = Field Museum of Natural History, Chicago; HECO = Hope Entomological Collections, Oxford; HKCB = Horst Korge Private Collection, Berlin; HNHM = Hungarian Natural History Museum, Budapest; ISNB = Institut Royal des Sciences Naturelles de Belgique, Brussels; MCSN = Museo Civico di Storia Naturale „Giacomo Doria“, Genova; MHNG = Muséum d'histoire naturelle, Genève; MHNL = Musée Guimet d'histoire naturelle, Lyon; MLZT = Museo di Zoologia Sistemica della Università, Turin; MNHN = Muséum National d'Histoire Naturelle, Paris; MZKI = Zoological Museum, Kiev; MZLU = Zoological Museum, Lund; MZMC = Zoological Museum, Moscow; NHMB = Naturhistorisches Museum, Basel; NHMW = Naturhistorisches Museum, Wien; NMPC = Národní Muzeum, Prague; SMNS = Staatliches Museum für Naturkunde, Stuttgart; SMTD = Staatliches Museum für Tierkunde, Dresden; ZMAL = Zoological Museum, Academy of Sciences, St. Petersburg; ZMHB = Museum für Naturkunde, Berlin; ZSMC = Zoologische Staatssammlung, München.

### ***Micranops* Cameron, 1913**

*Nivorus* Herman, 1965: 119, described as subgenus of *Orus* Casey; type species: *Orus cameroni* Blackwelder, 1943 (= *Micranops cameroni* (Blackwelder, 1943)); syn. n.

*Microscopaeus* Coiffait, 1981: 19, described as subgenus of *Scopaeus*; type species: *S. microphthalmus* Eppelsheim, 1888 (= *Micranops pilicornis* (Baudi, 1869)); syn. n.

Comments: see chapter “Classification”.

### ***pilicornis* (Baudi, 1869): 392**

Lectotype male, Cyprus (MLZT), designated by Frisch (1997a: 96).

*microphthalmus* Eppelsheim, 1888: 409; synonymised by Frisch (1997a: 96); lectotype male, Greece, Crete (NHMW), designated by Frisch (1997a: 96).

Distribution: Albania, Azerbaijan, Cyprus, Greece, Hungary (Balaton)\*, Israel, Italy (Abruzzese Mts., Campania)\*, Lebanon, Russia (Dagestan), Syria, Turkey, Turkmenistan.

## **Scopaeus Erichson, 1840**

*Scopaeus* Erichson, 1840: 604; type species: *Paederus laevigatus* Gyllenhal, 1827, designated by Duponchel (1841: 57).

*Polyodontus* Solier in Gay, 1849: 310, preoccupied name (Coiffait 1968: 407); type species: *S. angustatus* Solier, 1849.

*Geoscopaeus* Coiffait, 1960: 284, replacement name for *Stilpon* Coiffait, 1952: 6 (nec *Stilpon* Loew, 1859); type species: *S. baudrimonti* Coiffait, 1952 (= *S. ryei* Wollaston, 1872); syn. n.

*Hyposcopaeus* Coiffait, 1960: 285; type species: *S. scitulus* Baudi, 1857 (= *S. debilis* Hochhuth, 1851); syn. n.

*Heteroscopaeus* Coiffait, 1960: 285; type species: *S. sericans* Mulsant & Rey, 1854; synonymised with *Hyposcopaeus* Coiffait, 1960 by Coiffait (1968: 418).

*Alloscopaeus* Coiffait, 1968: 414, replacement name for *Euscopaeus* Coiffait, 1960: 285 (nec *Euscopaeus* Sharp, 1886: 548); type species: *S. didymus* Erichson, 1840; syn. n.

*Anomoscopaeus* Coiffait, 1968: 426; type species: *S. gracilis* (Sperk, 1835); syn. n.

*Hyperscopaeus* Coiffait, 1984: 148; type species: *Scopaeus spathiferus* Coiffait, 1970: 106.

Comments: see chapter "Classification".

### ***alaniensis* Coiffait, 1969: 34**

Holotype male, Turkey, Antalya, Alanya, Dim Irmak (ISNB).

*alanyensis*; Coiffait (1984: 163); misspelling.

*alanyensi*; Coiffait (1984: 198); misspelling.

Distribution: Turkey.

### ***alasciacus* Frisch, 1998: 97**

Holotype male, Cyprus, Troodos Mts., Kannaviou, Ezousa river (MHNG).

Distribution: Cyprus.

### ***ampliatus* Binaghi, 1935: 95**

Holotype male, Italy, Liguria, Genova (MCSN).

Distribution: France (Corsica), Italy, Spain (Andalucia)\*.

### ***anxius* Mulsant & Rey, 1861: 149**

Lectotype male, France, Provence, Hyères (MHNL), designated by Frisch (1996: 302).

*pourtoyi* Coiffait, 1960: 286; holotype male, France, Pyrenees, Banyuls (MNHN); synonymised by Frisch (1996: 302).

*balazuci* Coiffait, 1968: 408; holotype male, France, Ardèche, Frigolet, env. Saint-Paul-Le Jeune (MNHN); synonymised by Frisch (1996: 302).

*revestensis* Coiffait, 1968: 410; holotype male, France, Alps de Provence, Revest des Brousses (MNHN); synonymised by Frisch (1996: 302).

Distribution: France, Spain.

***argonauta* Gusarov, 1992b: 781**

Holotype male, Georgia, Adzharia, Kintrishskiy Nature Reserve (ZMAL).

Distribution: Georgia, Russia (Caucasus).

***armeniacus* Coiffait, 1968: 424**

Holotype male, Armenia, Djrmouk, Arta; missing.

Distribution: Armenia.

***azerbaidzhanus* Gusarov, 1994: 435**

Holotype male, Azerbaijan or Iran, Talysh (ZMAL).

*laevigatus ebneri*; Frisch (1994: 33).

Distribution: Azerbaijan, Iran.

***bertiae* Frisch, 1999c: 164**

Holotype male, Morocco, Jebel Siroua (MNHN).

Distribution: Morocco.

***bicolor* Baudi, 1848: 135**

Syntypes: 2 males, 3 females; Italy, Piedmont (MLZT).

Distribution: Albania, Austria, Bulgaria, Croatia, Georgia, Greece, Italy, Macedonia, Slovakia, Turkey.

***bifossicapitata* (Outerelo & Oromi, 1987): 136**

Holotype female, Spain, Canary Islands (Department of Animal Biology of the University of La Laguna, Tenerife).

*Domene bifossicapitata*; transferred to *Scopaeus* by Outerelo & Gamarra (1989: 126).

Distribution: Canary Islands (Tenerife, La Gomera).

***bilaminulatus* Scheerpeltz, 1958: 13**

Holotype male, Turkey, Bitlis (MZLU).

*heinzi* Korge, 1971: 179; holotype male, Turkey, Hakkari (HKCB); synonymised by Frisch (1999d: 160).

Distribution: Turkey.

***binaghii* Frisch, 2001: 65**

Holotype male, Morocco, Lower Atlas Mountains, Tissirouine (MNHN).

Distribution: Morocco.

***biskrensis* Fagel, 1957: 327**

Holotype male, Algeria, Beskra, route de Touggourt (ISNB).

*laevigatus biskrensis*; raised to species rank by Gusarov (1994: 434).

Distribution: Algeria, Italy (Sicily), Malta, Morocco, Spain, Tunisia.

***bituberculatus* Frisch 2002: 11**

Holotype male, Turkey, Karaman, 3km N Adiller (ZMHB).

Distribution: Turkey.

***brevicuspis* Binaghi, 1935: 102**

Holotype male, Italy, Sardinia, Cagliari (MCSN).

Distribution: Algeria, France (Corsica), Italy (Sicily, Sardinia), Tunisia.

***cameroni* Coiffait, 1968: 422**

Holotype male, Turkey, Beikos (BMNH).

*lemnicus* Coiffait, 1968: 421; holotype male, Greece, Lemnos (BMNH); synonymised by Frisch (1997c: 525).

*turcicus* Coiffait, 1968: 424; holotype male, Turkey, Ankara (MNHN); synonymised by Frisch (1997c: 525).

*ectypus* Coiffait, 1971: 285; holotype male, Bulgaria, Madara (MNHN); synonymised by Frisch (1997c: 525).

Distribution: Bulgaria, Greece, Romania, Turkey.

***cariensis* Frisch 2002: 7**

Holotype male, Turkey, Mugla, 18km SW Gökçeören (ZMHB).

Distribution: Turkey.

***chalcodactylus* (Kolenati, 1846): 23**

Lectotype male, Azerbaijan, Berg-Karabach (ZMHB), designated by Frisch (1997c: 530).

*Lathrobium chalcodactylus*; synonymised with *S. minutus* Erichson by Kraatz (1857: 708), revalidated by Frisch (1997c: 530).

Distribution: Armenia, Azerbaijan, Ukraine (Krim), Turkey\*.

***championi* Binaghi, 1935: 103**

Holotype male, Italy, Trentino-Alto Adige, Cortina d'Ampezzo (MCSN).

*micropterus championi*; raised to species rank by Frisch (1998: 96).

*Scopaeus* spec. nov.; Kahlen (1995: 23), Schatz (1996: 264).

Distribution: Austria, Bosnia-Herzegovina, Italy, Romania.

***crassipes* Wollaston, 1867: 242**

Syntypes: 2 males, 5 females, Cape Verde Islands (BMNH); 1 syntype male, Cape Verde Islands, Brava (HECO).

*tassiliensis* Jarrige, 1958; holotype male, Algeria, Tassili n'Ajjer (MNHN); syn. n.

*mauretanicus* Coiffait, 1960: 289; holotype male, Mauritania, Rgueibat Temba (MNHN); syn. n.

Distribution: Algeria, Cape Verde Islands, Mauritania.

Comments: The syntypes of *S. crassipes* from the BMNH and the HECO collections were examined as well as the holotypes of *S. mauretanicus* and *S. tassiliensis*. The latter are conspecific to *S. crassipes* according to the matching aedeagi. *Scopaeus crassipes* is known from the Cape Verde Islands throughout the Western Sahara eastward to Tassili n'Ajjer in South-East Algeria.

***creticus* Frisch, 1994: 22**

Holotype male, Greece, Crete, Keva (MHNG).

Distribution: Greece (Aegean Islands).

***cylindricus* Ochs, 1953: 5**

Holotype male, France, Var (MHNG)

Distribution: France.

***cypricus* Frisch, 1997c: 526**

Holotype male, Cyprus, Troodos Mts., Agios Mamas (MHNG).

Distribution: Cyprus.

***debilis* Hochhuth, 1851: 50**

Lectotype female, Armenia, Chaudoir (MZKI), designated by Gusarov (1992b: 783).

*scitulus* Baudi, 1857: 103; lectotype male, Italy, Piedmont (MLZT), designated by Frisch (1999: 364); synonymised by Fauvel (1886: 36).

*boops* Scheerpeltz, 1931: 411; holotype female, Greece, Corfu, Potamos (NHMW); synonymised by Frisch (1999: 364).

*ibericus* Coiffait, 1952: 6; holotype male, Spain, Murcia (MNHN); synonymised by Frisch (1999: 364).

*afghanicus* Scheerpeltz, 1960: 76; holotype male, Afghanistan, Kabul (NHMW); synonymised by Frisch (1999: 364).

“*debilis* Ganglbauer”; Bohac (1993: 46); unavailable name, lapsus calami for *S. debilis* Hochhuth.

Distribution: Afghanistan, Albania, Algeria, Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, France, Georgia, Greece, Hungary, Iran, Iraq, Israel, Italy, Kazakhstan, Lebanon, Malta, Morocco, Portugal, Romania, Russia, Slovenia, Spain, Switzerland, Syria, Tadjikistan, Tunisia, Turkey, Turkmenistan, Ukraine.

***didymus* Erichson, 1840: 606**

Lectotype male, Italy, Sardinia (ZMHB); designated in the accompanying printed paper.

*mateui* Coiffait, 1953: 268; holotype male, Spain, Almeria, Albanchez (MNHN); syn. n.

Distribution: France, Italy (Sardinia), Monaco, Morocco, Portugal, Spain.

Comments: The lectotype is designated because the other of the two syntypes from Sardinia (ZMHB) is a male of *S. lanceolatus*. The distribution of *S. didymus* has not been revised. *Scopaeus didymus* is a South-West European species which is distributed throughout the Iberian peninsula and southern France and northward to Brittany (Finistère, MNHN), central France (Allier, Deux-Sèvres, Indre, Vendée, Vienne), and eastern France (Bas-Rhin, MNHN). Records from Central Europe (e. g. Gemminger & Harold 1868, Ganglbauer 1895, Scheerpeltz 1931, Bohac 1985) are based on misidentifications and refer mainly to *S. minutus*. Fauvel (1873a) points to records from northern France which are based on misidentifications. *Scopaeus didymus* does not occur east of the Alps. Records from South-East Europe (e. g. Scheerpeltz 1931) most probably refer to species of the *S. elegans* group, which are similar in external characters. In the description of *S. elegans*, Luze (1910) mentions to have found this species in the Eppelsheim collection among *S. didymus*. Records from North Africa (e. g. Fauvel 1878, 1886, 1902; Normand 1934; Kocher 1958; Bohac 1985) refer to *S. perroti*, and records from Italy (e. g. Porta 1926), except for Sardinia, are *S. mitratus*. The description of *S. mateui* Coiffait is based on specimens of *S. didymus* from southern Spain, the aedeagi of which have somewhat wider apical lobes than those of specimens from northern parts of the range, but in Spain both forms of the aedeagus are linked by transitional forms.

### ***ebneri* Scheerpeltz, 1929: 223**

Holotype female, Turkey, Icel (Mersin) (NHMW); synonymised with *S. laevigatus* by Gusarov (1994: 434); re-validated by Frisch (in press).

*laevigatus ebneri*; Coiffait (1968: 407).

Distribution: Cyprus, Iran, Iraq, Israel, Syria, Turkey.

### ***efesi* Frisch 2002: 5**

Holotype male, Turkey, Kahramanmaras, Kahramanmaras-Göksun, 11km N Ceyhan (ZMHB).

Distribution: Turkey.

### ***elegans* Luze, 1910: 394**

Lectotype male, Lebanon, Brumana (NHMW); designated by Frisch (1994: 29).

*pseudoelegans* Bordoni, 1980: 197; holotype male, Israel, Mt. Carmel (MHNG); synonymised by Frisch (1994: 29).

Distribution: Israel, Lebanon, Syria, Turkey.

### ***fageli* Coiffait, 1960: 286**

Holotype male, Algeria, Gorges d'El Kantara, Djebel Metlili (ISNB).

*kerdousensis* Coiffait, 1973: 284; holotype male, Morocco, Anti Atlas, Col de Kerdous (MNHN); synonymised by Frisch (1996: 314).

Distribution: Algeria, Morocco.

### ***fagelianus* Coiffait, 1969: 35**

Holotype male, Turkey, Alanya (ISNB).

Distribution: Turkey.

***filiformis* Wollaston, 1867: 243**

Lectotype male, Cape Verde Islands (BMNH); designated by Frisch (1999: 370).

*tenuis* Eppelsheim, 1885: 128; lectotype male, Ghana (Côte d'Or), "Adda" (NHMW); designated by Frisch (1999: 370); synonymised by Frisch (1999: 370).

*richteri* Scheerpeltz, 1961: 5; lectotype male, Iran, Jiroft, Anbar-Abad (SMNS); designated by Frisch (1999: 370); synonymised by Frisch (1999: 370).

*schaeuffelei* Scheerpeltz, 1961: 5; lectotype male, Iran, Sistan Va Baluchestan, Iranshar (NHMW); designated by Frisch (1999: 370); synonymised by Frisch (1999: 370).

*schremmeri* Scheerpeltz, 1963: 437; lectotype male, Egypt, Assuan (NHMW); designated by Frisch (1999: 370); synonymised by Frisch (1999: 370).

*schaeuffeli*; Coiffait (1984: 190); misspelling.

Distribution: Algeria, Angola, Botswana, Cameroon, Cape Verde Islands, Chad, China, Djibouti, Egypt, Ethiopia, Gabun, Ghana, Guinea, India, Indonesia, Iran, Ivory Coast, Japan, Kenya, Laos, Malaysia, Mali, Mauretania, Morocco, Namibia, Nepal, Nigeria, Philippines, Ruanda, Saudi Arabia, Senegal, Somalia, South Afrika, Sudan, Taiwan, Tanzania, Thailand, Turkey, Uganda, Vietnam, Yemen, Zaire, Zambia, Zimbabwe.

***flavofasciatus* Frisch, 1998: 94**

Holotype male, Cyprus, Vyzakia, Elaia River (MHNG).

Distribution: Cyprus.

***franzi* Coiffait, 1968: 416**

Holotype male, Spain, Sierra de Son, env. San Feliz de las Lavanderas (MNHN).

*tricuspis* Outerelo, 1978: 473; holotype male, Spain, Orense, Campobecerros, Montes do Invernadoiro, Valle de Ribeira Grande, El Rocin (University of Madrid, Biological Faculty); synonymised by Frisch (1997b: 123).

Distribution: Portugal, Spain.

***galinae* Gusarov, 1991: 10**

Holotype male, Turkmenistan, Aschabad, Kopetdag (ZMAL).

Distribution: Tadjikistan\*, Turkmenistan, Uzbekistan\*.

***gladifer* Binaghi, 1935: 105**

Holotype male, Romania, Tulcea, Macin (MCSN).

*bulgaricus* Coiffait, 1971: 285; holotype male, Bulgaria, Burgas, Jasna Poljana (MNHN); synonymised by Frisch (1997c: 538).

Distribution: Bulgaria, Romania, Russia, Turkey, Ukraine.

***gracilis* (Sperk, 1835): 152**

South Russia (holotype missing).

*Xantholinus gracilis*; transferred to *Scopaeus* by Fauvel (1873a: 308, 1873b: 22).

*erichsonii* Kolenati, 1846: 23; lectotype male, Azerbaijan, Gjandza (Elisabethopol) (ZMHB); designated by Frisch, 1998: 91; synonymised by Fauvel (1890: 39).

*apicalis* Mulsant & Rey, 1854: 165; lectotype male, France, Rhone, Belleville-sur-Saone (MHNL); designated by Frisch (1998: 91); synonymised by Kraatz (1857: 702).

*trossulus* Wollaston, 1864: 585; lectotype male, Canary Islands, Tenerife, Santa Cruz (BMNH); designated by Frisch (1998: 91); synonymised by Fauvel (1902: 85).

*erichsonis*; Fauvel (1873a: 308; 1873b: 22); misspellings.

*erichsoni*; Fauvel (1890: 39); misspelling.

*koestlinianus* Scheerpeltz, 1970: 76; holotype male, Iran, Chalus (NHMW); synonymised by Frisch (1998: 91).

Distribution: Albania, Algeria, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Canary Islands, Croatia, Cyprus, Czech Republic, France, Georgia, Germany, Gibraltar, Greece, Hungary, Iran, Italy, Macedonia, Malta, Morocco, Poland, Portugal, Romania, Scotland, Slovakia, Spain, Switzerland, Syria, Tunisia, Turkey, Ukraine.

### ***graecus* Frisch, 1994: 9**

Holotype male, Greece, Taygetos (NHMB).

Distribution: Albania, Bosnia-Herzegovina, Croatia, Greece, Macedonia.

### ***haemusensis* Frisch, 1997c: 527**

Holotype male, Bulgaria, Maglige (NHMW).

Distribution: Bulgaria, Turkey.

### ***hercegovinensis* Frisch, 1998: 105**

Holotype male, Bosnia-Herzegovina, Jablanica (SMTD).

Distribution: Bosnia-Herzegovina.

### ***hispanicus* Binaghi, 1935: 98**

Holotype male, Spain, Castilla-León, Béjar (MCSN).

*gredensis* Coiffait, 1968: 415; holotype male, Spain, Castilla-León, Sistema Central, Sierra de Gredos (MNHN); synonymised by Frisch (1997c: 540).

Distribution: Portugal, Spain.

### ***illyricus* Frisch, 1997c: 526**

Holotype male, Albania, Elbasan (NHMW).

Distribution: Albania, Greece (Corfu).

### ***korelli* Frisch, 1999d: 161**

Holotype male, Turkey, Tokat, Umurca (ZMHB).

Distribution: Turkey.

***kovaci* Frisch, 1996: 306**

Holotype male, Spain, Caseres, Terte (MHNG).

Distribution: Morocco, Spain.

***kurdistanicoides* Frisch 2002: 4**

Holotype male, Turkey, Artvin, Ardahan-Artvin, 2km NW Savsat (ZMHB).

Distribution: Turkey.

***kurdistanus* Korge, 1971: 180**

Holotype male, Turkey, Hakkari (HKCB).

Distribution: Iran, Turkey.

***laevigatus* (Gyllenhal, 1827): 483**

Lectotype male, Sweden, Gotlands Län, Färön (MZLU); designated by Frisch (in press).

*Paederus laevigatus*; transferred to *Scopaeus* by Erichson (1840: 605).

*Lathrobium laevigatum*; Erichson (1839: 510).

*Poederus laevigatus*; Thomson (1859: 208); misspelling.

*schneideri* Bernhauer, 1900: 202; lectotype male, Corsica, Ajaccio (FMNH); designated by Gusarov (1994: 434); synonymised by Gusarov (1994: 434).

*Scopaeus laevigatus*; Normand (1934: 367); misspelling.

*Scopaeus laerigatus*; Arnold (1936: 87); misspelling.

*Scopeus laevigatus*; Goos (1973: 45); misspelling.

Distribution: Afghanistan, Albania, Austria, Belgium, Bosnia-Hercegovina, Bulgaria, China, Croatia, Czech Republic, Denmark, England, Finland, France, Georgia, Germany, Greece, Hungary, Italy, Kazakhstan, Latvia, Macedonia, Moldavia, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

***lanceolatus* Binaghi, 1935: 105**

Holotype male, Italy, Monte Penna, San Siro alla Foce (MCSN).

Distribution: France (Corsica), Italy.

***littoralis* Ochs, 1958: 276**

Holotype male, France, Var, St. Aygulf (MHNG).

Distribution: France.

***loebli* Frisch, 1997c: 533**

Holotype male, Turkey, Kars, env. Karakurt, Aras river (MHNG).

Distribution: Syria, Turkey.

***longicollis* Fauvel, 1873a: 311**

Lectotype male, France, Limoges (ISNB); designated by Frisch (1996: 309).

Distribution: France, Germany, Italy, Portugal, Spain, Switzerland.

***mariae* Frisch 2002: 10**

Holotype male, Turkey, Mus, Umrca – Bulanik, 3km SW Karakale (ZMHB).

Distribution: Turkey.

***micropterus* Fauvel, 1873b: 27**

Lectotype male, Italy, Toscana (MLZT); designated by Frisch (1998: 95).

Distribution: France, Italy.

***minimus* (Erichson, 1839): 511**

Lectotype male, Germany, Berlin (ZMHB); designated by Frisch (1998: 99).

*Lathrobium minimum*; transferred to *Scopaeus* by Erichson (1840: 607).

*furcatus* Binaghi, 1935: 102; holotype male, Croatia, Rijeka (Fiume Quietro) (MCSN); synonymised by Frisch (1998: 99).

*pamphylicus* Coiffait, 1969: 36; holotype male, Turkey, Antalya (ISNB); synonymised by Frisch (1998: 99).

Distribution: Austria, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Macedonia, Poland, Slovakia, Turkey, Ukraine, Yugoslavia.

***minutoides* Coiffait, 1969: 33**

Holotype male, Turkey, Antalya, Alanya, Dim Irmak (ISNB).

Distribution: Turkey.

***minutus* Erichson, 1840: 606**

Lectotype male, Germany, Saxony, Sächsische Schweiz (ZMHB); designated by Frisch (1997c: 530).

var. *debilis* Mulsant & Rey, 1854: 183; lectotype male, Switzerland (MHNL); designated by Frisch (1997c: 531); synonymised by Bayford (1932: 258).

var. *intermedius* Mulsant & Rey, 1854: 183; lectotype male, Switzerland (MHNL); designated by Frisch (1997c: 531); synonymised by Bayford (1932: 258).

*debilis*; Dohrn (1858: 26).

*intermedius*; Dohrn (1858: 26).

*sulcicollis*; Gemminger & Harold (1868: 619).

*sulcicollis* var. *debilis*; Gemminger & Harold (1868: 619).

*sulcicollis* var. *intermedius*; Gemminger & Harold (1868: 619).

*gracilipes* Edmonds, 1933: 8; holotype male, England, Charmouth (BMNH); synonymised by Allen (1968: 204).

Distribution: Austria, Bosnia-Herzegovina, Bulgaria, Canada\*, Croatia, Czech Republic, England, France, Germany, Hungary, Italy, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Switzerland, Yugoslavia.

***mitratus* Binaghi, 1935: 106**

Holotype male, Italy, Arezzo, Pergine (MCSN).

Distribution: Greece\* (Corfu), Italy.

Comments: The distribution of *S. mitratus* has not been revised before. The species occurs in the Apennine Peninsula and is confirmed from the Alps (Alpi Orobie, NHMW) southward to Sicily. It was also found in Corfu. Records from North Africa (Normand 1934, Kocher 1958) refer to *S. perroti*, and the record from Spain (Outerelo 1981) refers to *S. didymus*.

***muehlei* Frisch, 1994: 30**

Holotype male, Greece, Crete, Chania, Kavallos (ZMHB).

Distribution: Greece (Crete).

***mutatus* Gemminger & Harold, 1868: 619**

Replacement name for *S. pusillus* Hochhuth nec Kiesenwetter

Lectotype female, Caucasus; designated by Gusarov (1992b: 783).

*S. pusillus* Hochhuth, 1849: 162 (homonym of *S. pusillus* Kiesenwetter, 1843).

*khnzoriani* Coiffait, 1968: 425; holotype male, Armenia, Sovegachetch (MNHN); synonymised by Gusarov (1992b: 783).

Distribution: Armenia, Syria\*, Turkey\*.

***nigellus* Wollaston, 1864: 585, stat. nov.**

Holotype female, Canary Islands, Gomera (BMNH); synonymised with *S. minimus* by Fauvel (1902: 86), here revalidated.

Distribution: Canary Islands (Gomera).

Comments: *Scopaeus nigellus* is not a synonym of *S. minimus*, because the spermatheca of the female holotype differs distinctly from that of *S. minimus*, which was illustrated by Frisch (1998). Moreover, because *S. minimus* is unknown from South-West Europe and North Africa (Frisch 1998), occurrence on the Canary Islands is very unlikely.

***palaestinus* Frisch, 1998: 100**

Holotype male, Israel, Galilea, Hula (MHNG).

Distribution: Israel.

***perroti* Ochs, 1955: 65, stat. nov.**

Holotype male, Algeria, El Djazair (MHNG).

Distribution: Algeria, Morocco\*, Tunisia\*.

Comments: *Scopaeus perroti* was described as a subspecies of *S. mitratus*. It is here elevated to species rank according to the different shape of the aedeagus.

***persicus* Frisch, 1994: 13**

Holotype male, Iran, Fars, Aliabad (MHNG).

Distribution: Iran.

***ponticus* Frisch, 1999b: 541**

Holotype male, Turkey, Trabzon, Arakli (MHNG).

Distribution: Turkey.

***portai* Luze, 1910: 393**

Lectotype male, Italy, Umbria, Porta (NHMW); designated by Frisch (1997c: 534).

*bordei* Peyerimhoff, 1914: 249; holotype female, Algeria, Biskra, Hamam-Salahin (MNHN); syn. n.

*portae*; Binaghi (1935: 101), Laszlo (1983: 25); misspellings.

*portai temperei* Coiffait, 1952: 5; holotype male, France: Gironde, Gazinet (MNHN); synonymised by Frisch (1997c: 534).

*lareyniei* Coiffait, 1952: 5 (lapsus calami); holotype male, France, Alpes Maritimes, Vaugrenier (MNHN); synonymised by Ochs (1953: 6).

*laneyrii*; Coiffait, 1953: 268 (correction).

*Polyodontus portai*; Ochs (1953: 5).

*portai lusitanicus* Coiffait, 1968: 420; holotype male, Portugal: Beja, Castro Verde (MNHN); synonymised by Frisch (1997c: 534).

*portai maroccanus* Coiffait, 1970: 109; holotype male, Morocco, Lac Aaouat (MNHN); synonymised by Frisch (1997c: 534).

Distribution: Algeria, France, Italy, Morocco, Portugal, Spain, Tunisia.

Comments: The female holotype of *S. bordei* Peyerimhoff was examined by the first author. According to the shape of the spermatheca and the slender protarsomeres (see Frisch 1997c) it belongs to the yellowish-brown form of *S. portai* Luze from southern North Africa, from which Coiffait (1970) described *S. portai maroccanus*. Frisch (1997c) synonymised *S. portai maroccanus* because there is no difference regarding the shape of the aedeagus.

***proculus* Normand, 1934: 367**

Syntype male, Tunisia, Ain-Draham (MHNG).

*cordifer* Binaghi, 1935: 97; holotype male, Algeria, Mouzaia (MCSN); synonymised by Coiffait (1968: 411).

Distribution: Algeria, Tunisia.

***pusilloides* Frisch, 1997b: 122**

Holotype male, Spain, Sierra de Guadarama (NHMW).

Distribution: Portugal, Spain.

***pusillus* Kiesenwetter, 1843: 309**

Lectotype male, Germany, Saxony, Oberlausitz (DEIC); designated by Frisch (1997c: 528).

*sulcicollis* var. *pusillus*; Fauvel (1872: 29).

*minutus* var. *pusillus*; Everts (1898: 311).

*abbreviatus* Mulsant & Rey, 1854: 177; syntypes missing; synonymised by Kraatz (1857: 708).

Distribution: Albania, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Liechtenstein, Macedonia, Poland, Romania, Russia (Altai, Baikal), Switzerland, Slovenia, Sweden, Turkey, Yugoslavia.

### ***puthi* Frisch, 1994: 19**

Holotype male, Greece, Erimanthos (ZMHB).

Distribution: Greece.

### ***rubidus* Mulsant & Rey, 1854: 171**

Lectotype male, France, Provence (MHNL), designated by Frisch (1999b: 544).

*subcylindricus* Scriba, 1868: 156; Spain, syntypes missing; synonymised by Fauvel (1871: 136).

Distribution: Denmark (?), France, Italy, Poland, Spain, Switzerland.

### ***ryei* Wollaston, 1872: 34**

Lectotype male, England, Devon, Slapton Ley (BMNH); designated by Frisch (1998: 101).

*baudrimonti* Coiffait, 1952: 6; holotype female, France, Hautes Pyrénées, Pragnères (MNHN); synonymised by Frisch (1998: 101).

*jarrigei* Coiffait, 1953: 267; holotype male, France, Indre, Chateauroux (MNHN); synonymised by Coiffait (1968: 419).

*minimus forcipis* Ochs, 1955: 65; holotype male, France, Alpes Maritimes, Pré du Lac (MHNG); synonymised by Coiffait (1968: 419).

Distribution: Austria, Bosnia-Herzegovina, Czech Republic, England, France, Germany, Hungary, Italy, Poland, Romania, Slovakia, Spain, Switzerland.

### ***sareptanus* Gusarov, 1992b: 779**

Holotype male, Russia, Volgograd Oblast, Sarepta (ZMAL)

Distribution: Russia (Caspian region).

### ***schillhammeri* Frisch, 1994: 6**

Holotype male, Turkey, Bitlis, Hizan (NHMW).

Distribution: Iran, Turkey.

### ***schusteri* Scheerpeltz, 1964: 38**

Holotype male, Greece, Rhodos, Potaloudos (NHMW).

*cerrutii* Coiffait, 1976: 95; holotype male, Greece, Rhodos, Epta Pighes (MNHN); synonymised by Coiffait (1984: 200).

Distribution: Greece (Rhodos).

***sericans* Mulsant & Rey, 1854: 168**

Syntypes: 2 males, 4 females; France, Lyon, banks of Rhone (MHNL).

Distribution: Austria, Czech Republic, France, Germany, Italy, Poland, Switzerland, Ukraine (Cernovcy, NHMW)\*.

Comments: Six syntypes from the MHNL collection were examined. *Scopaeus sericans* is the type species of the subgenus *Heteroscopaeus* Coiffait, 1960 which was established due to purportedly asymmetrical apical lobes of the aedeagus. Later, realizing that these lobes are in fact symmetrical, Coiffait (1968) transferred the species to *Hyposcopaeus* and consequently synonymised *Heteroscopaeus*. Fauvel (1869) erroneously considered *S. trossulus* (= *S. gracilis* Sperk), described from the Canary Islands, to be conspecific with *S. sericans*. Thus, even recent authors reported *S. sericans* from the Canary Islands (e. g., Gemminger & Harold 1868, Marseul 1883, Ganglbauer 1895, Bohac 1985, Hernandez et al. 1994) and from North Africa (Fauvel 1878, 1886), even though Fauvel (1902) himself had pointed out this erroneous synonymy. The distributional data of *S. sericans* have not been revised before, but the examined specimens indicate a distribution from southern France (Lyon, Avignon) over the Alps and the northern Appenines to the eastern North Carpathians. In Germany, *S. sericans* is confirmed as far north as the Danube. Records from Spain, Sicily (Fauvel 1873a), and Corsica (Porta 1926, Coiffait 1952) are dubious.

***siculus* Binaghi, 1935: 92**

Lectotype male, Italy, Sicily, Palermo (MCSN); designated by Frisch (1998: 94).

*gracilis siculus*; raised to species rank by Frisch (1998: 94).

*gracilis siculum*; Coiffait (1973: 271); misspelling.

Distribution: Italy (Calabria, Sicily).

***signifer* Fauvel, 1899: 72**

Lectotype male, Tunisia, Gabés (ISNB); designated by Frisch (1997c: 538).

*bicolor kochi* (Binaghi in Koch, 1937): 255; holotype male, Libya, Fezzan, Traghan (MCSN); synonymised by Frisch (1997c: 538).

*remensis* Coiffait, 1973: 285; holotype male, Morocco, Tarfaya, Tuisgui (MNHN); synonymised by Frisch (1997c: 538).

Distribution: Egypt, Iran, Iraq, Israel, Libya, Morocco, Tunisia, Turkey.

***sinaicus* Coiffait, 1970: 107**

Holotype male, Egypt, Sinai, Djebel Serbal (MNHN).

*saoudiensis* Coiffait, 1981: 240; holotype male, Saudi Arabia, Hakimah, Ash Sharayi, Wadi Shuqub (NHMB); syn. n.

Distribution: Egypt, Israel\*, Saudi Arabia.

Comments: The type specimens of both *S. sinaicus* and *S. saoudiensis* were examined by the first author. Because there is no difference in the external appearance and the shape of the aedeagi, *S. saoudiensis* is here synonymised under *S. sinaicus*.

***spathiferus* Coiffait, 1970: 106**

Holotype male, Egypt, Kairo (MNHN).

Distribution: Egypt.

***subopacus* Wollaston, 1860: 103**

Holotype male, Madeira, S. Antonio da Serra, 1859, Bewicke (BMNH).

*maderae* Coiffait, 1960: 287; holotype male, Madeira: Pico Ruivo, Coiffait (MNHN); synonymised by Frisch (1997c: 533).

Distribution: Portugal (Madeira).

***sulcicollis* (Stephens, 1832): 277**

Lectotype male, England (BMNH); designated by Frisch (1997c: 535).

*Astenus sulcicollis*; transferred to *Scopaeus* by Gemminger & Harold (1868: 619).

*cognatus* Mulsant & Rey, 1854: 180; lectotype male, France, Lyon (MHNL); designated by Frisch (1997c: 535); synonymised by Fauvel (1890: 40).

Distribution: Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Dalmatia, England, France, Germany, Greece, Hungary, Italy, Liechtenstein, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland.

***talyschensis* Coiffait, 1968: 413**

Holotype male, Azerbaijan, Lenkoran (MNHN).

*koestlini* Scheerpeltz, 1970: 73; lectotype male, Iran, Chalus (NHMW); designated by Gusarov (1995: 92); synonymised by Gusarov (1995: 91).

Distribution: Azerbaijan, Iran.

***tauricus* Frisch, 1997b: 122**

Holotype male, Turkey, Nigde, Ulukisla (NMPC).

Distribution: Turkey.

***trifurcatus* Frisch 2002: 8**

Holotype male, Turkey, Konya, Destigin (ZMHB).

Distribution: Turkey.

## Nomina dubia

### ***Rugilus exiguus* Heer, 1838: 233**

Switzerland, Geneva, Zürichberg, syntypes missing; synonymised with *S. laevigatus* (Gyllenhal, 1827) by Kraatz (1857).

*Stilicus exiguus* (Heer); Dommer (1850), cited after Lenz (1857).

Comments: Dommer (1850) and Lenz (1857) listed *R. exiguus* as *Stilicus exiguus*, but the latter author doubted the species' existence. Kraatz (1857) considered it a synonym of *Scopaeus laevigatus* (Gyllenhal), and this was followed by Gemminger & Harold (1868), Jaquelin du Val & Fairmaire (1868), and Marseul (1883). However, Jaquelin du Val & Fairmaire (1868) already expressed some doubt, and Mulsant & Rey (1878) pointed out that Heer's (1838) description of *R. exiguus* does not fit *S. laevigatus*, whereas his redescription of the latter (as *Lathrobium laevigatum*) in the same work agrees with that species. The original description of *R. exiguus* does not fit *Scopaeus*. There is no type material of *Rugilus exiguus* in the Heer collection at the Eidgenössische Technische Hochschule, Zürich (B. Merz, pers. comm.), and the species must be considered a nomen dubium.

### ***Lathrobium pumilum* Heer, 1838: 236**

Switzerland, Bern, syntypes missing; synonymised under *S. minutus* Erichson, 1840 by Kraatz (1857: 708).

*Scopaeus pumilus* (Heer); Redtenbacher (1849: 718).

Comments: The description of *S. pumilus* (Heer, 1838) lacks diagnostic characters. It was based on specimens from Bern (Switzerland) which are not traceable in the O. Heer collection at the Eidgenössische Technische Hochschule, Zürich, nor at BMNH. Beginning with Kraatz (1857), most authors have treated *S. pumilus* as a junior synonym of *S. minutus*, although *S. pumilus* would have had priority. In the absence of type material, and in the interest of nomenclatural stability, *S. pumilus* must be treated as a nomen dubium.