

**A check-list of scorpions (Arachnida) in the collection of the
Hungarian Natural History Museum, Budapest**

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Abstract – The collection contains 1016 specimens of scorpions belonging to 69 species, 28 genera, and 7 families, and includes the lectotype of *Euscorpius carpathicus canestrinii* (FANZAGO, 1872) hereby designated, the holotype of *Thaicharmus mahunkai* KOVARÍK, 1995, and the paratype No. 5 of *Isometrus (Reddyanus) zideki* KOVARÍK, 1994. With 4 figures.

INTRODUCTION

The collection of scorpions in the Hungarian Natural History Museum in Budapest contains 1016 specimens of 69 species, 28 genera, and 7 families.

Smaller part of the collection, primarily the Euscorpiidae, dates from late 1800s and early 1900s. Unfortunately, these specimens often bear inadequate locality data. The bulk of the collection, on the other hand, was assembled much more recently by the current museum staff (see MAHUNKA, OLÁH & VÁSÁRHELYI 1989, MAHUNKA & MAHUNKA-PAPP 1994 and MERKL & RONKAY 1983), and contains precise collecting data useful for application in other studies (KOVARÍK 1995).

The oldest type housed in the collection is the lectotype of *Scorpius canestrinii* FANZAGO, 1872 (= *Euscorpius carpathicus canestrinii*), hereby designated (Figs 1–4). Among the most interesting specimens are the holotype of *Thaicharmus mahunkai* KOVARÍK, 1995, the paratype No. 5 of *Isometrus (Reddyanus) zideki* KOVARÍK, 1994; and a large number of *Euscorpius (Euscorpius) carpathicus* (LINNAEUS, 1767) from Romania, formerly regarded as *Euscorpius banaticus* C. L. KOCH, 1841 or as *Euscorpius germanus banaticus*.

While revising the species *Scorpius banaticus* C. L. KOCH, 1841, VACHON & JAQUES (1977: 415) studied 122 males and 251 females of *Euscorpius germanus banaticus* (= *Euscorpius carpathicus*) deposited in the Hungarian Natural History Museum and denoted them as No. VA 472. I have not examined all these specimens.

I revised the collection of the Hungarian Natural History Museum between 21. VII. 1995 and 16. I. 1997 when I received it in several shipments. Specimens are in 75% alcohol.

For further information on the localities numbered in the List of species (e.g. Loc. No. 101) see MAHUNKA, OLÁH & VÁSÁRHELYI (1989), MAHUNKA & MAHUNKA-PAPP (1994) and MERKL & RONKAY (1983).

LIST OF SPECIES

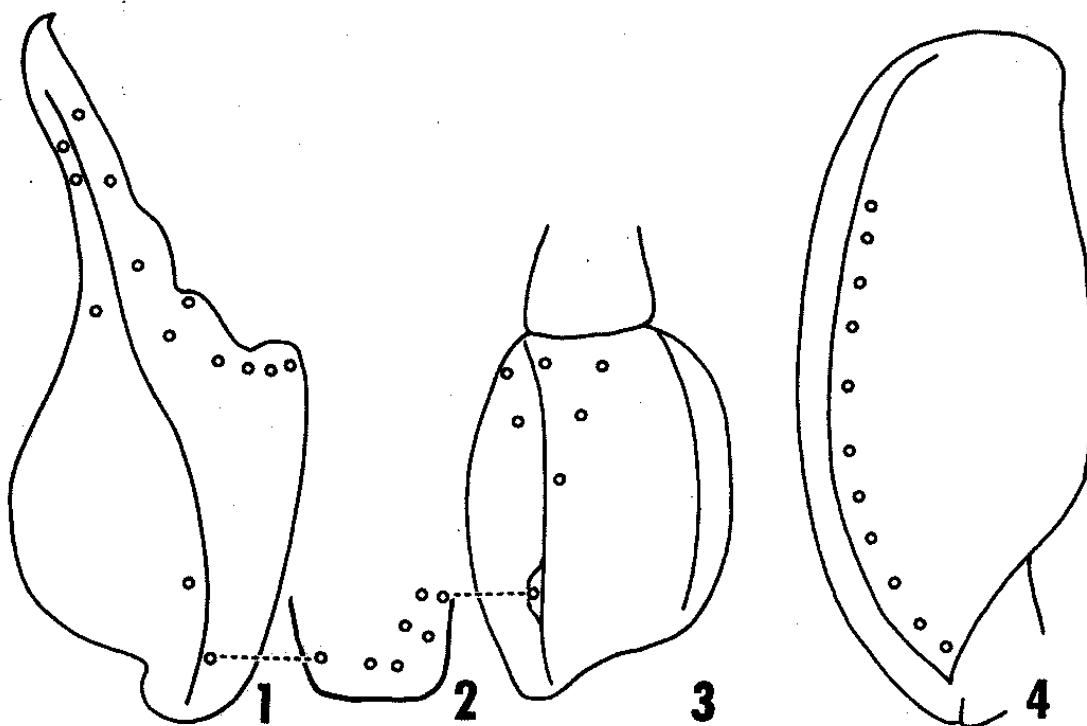
Buthidae SIMON, 1879

Androctonus amoreuxi amoreuxi (AUDOUIN et SAVIGNY, 1812) – 2 ♂♂, 3 ♀♀, no location.

Androctonus australis (LINNAEUS, 1758) – Tunisia: Beuhrara, 2 juveniles, 11. IV. 1977, leg. S. MAHUNKA, L. GOZMÁNY & A. EMBEY-ISZTIN (Loc. No. 101); Sfax, 3 ♂♂, 2 ♀♀, 15. V–15. VI. 1903, leg. B. BEDÓ; Sfax, 1 juvenile after fourth ecdysis, 1904, leg. B. Constance; 2 ♂♂, 2 ♀♀, 1905, leg. B. BEDÓ.

Androctonus bicolor (HEMPRICH et EHRENBERG, 1828) – Tunisia: Sfax, 1 ♂, 4 ♀♀, 10 juveniles, 15. V–15. VI. 1903, leg. B. BEDÓ; Sfax, 1 ♀, 1904, leg. B. Constance. – 1 ♂, no location.

Androctonus crassicauda crassicauda (OLIVIER, 1807) – Turkey: Diyarbakir, 13 ♂♂, 7 ♀♀, 4 juveniles, 7. VII. 1937, leg. M. VASVÁRI; Mardin, 2 ♂♂, 2 ♀♀, 1 juvenile, 12. VII. 1937, leg. M. VASVÁRI.



Figs 1–4. Lectotype of *Euscorpis (Euscorpis) carpathicus canestrinii* (FANZAGO, 1872):
1 = tibia, dorsal and external, 2 = tibia, external, 3 = tibia, ventral, 4 = patella, ventral

- Babycurus gigas* KRAEPELIN, 1896 – Tanzania: Manyanga, 1 specimen (very defect), 24. III. 1989, leg. S. MAHUNKA & A. ZICSI (Loc. No. 30).
- Babycurus jacksoni* (POCOCK, 1890) – Kenya: Tsavo East National Park, Ngai, 1 ♀, 3. VII. 1992, leg. S. MAHUNKA & L. MAHUNKA-PAPP (Loc. No. 170); Ukunda, Diani Beach, 1 ♀, 5. VII. 1992, leg. S. MAHUNKA & L. MAHUNKA-PAPP (Loc. No. 182). – Tanzania: Manyanga, 1 ♂, 24. III. 1989, leg. S. MAHUNKA & A. ZICSI (Loc. No. 30).
- Buthacus arenicola arenicola* (SIMON, 1885) – Tunisia: Beughrara, 1 ♀ (immature), 6–10. IV. 1977, leg. S. MAHUNKA & L. GOZMÁNY (Loc. No. 86).
- Buthus occitanus* (AMOREAUX, 1789) – Algeria: Bonteldja, El Kala, 2 ♂♂, 1 ♀, 4. VI. 1980, leg. O. DELY & F. ZILAHY; Maison du Fedden, 35 km south El Kala, 1 ♂, 4 ♀♀, 3 juveniles, 3–4. VI. 1980, leg. O. DELY & F. ZILAHY. – Morocco: 8 ♂♂, 7 ♀♀, 1 juvenile, 1930, leg. G. ANDREÁNSZKY. – Tunisia: Sfax, 8 ♂♂, 4 ♀♀, 15. V–15. VI. 1903, leg. B. BEDŐ; Sfax, 4 ♂♂, 1 ♀, 1904, leg. B. CONSTANCE.
- Buthus occitanus occitanus* (AMOREAUX, 1789) – Ghana: Tumu, 2 ♂♂, 27. X. 1971, leg. S. ENDRÓDY-YOUNGA (Loc. No. 511).
- Buthus occitanus tunetanus* (HERBST, 1800) – Algeria: Ain Cheurfas, Cheurfas Barrage, 1 ♂, 2 ♀♀, 26. III. 1988, leg. G. CSORBA (Loc. No. 8). – Tunisia: 1 ♂, 1977, leg. S. MAHUNKA; Ain Draham env., 1 ♀, 31. III. 1977, leg. S. MAHUNKA (Loc. No. 38); 5 km E from El Kef, 1 ♀, 26. III. 1977, leg. S. MAHUNKA & L. GOZMÁNY (Loc. No. 8); Ferme Shitta Djebel Eddyr, 6 km NNE from El Kef, 2 ♂♂, 1 ♀, 1 juvenile, 28. III. 1977, leg. S. MAHUNKA, L. GOZMÁNY, Zs. DEBRECZY & A. EMBEY-ISZTIN (Loc. No. 17); Ferme Shitta Djebel Eddyr, 7 km from El Kef, 1 ♀, 26. III. 1977, leg. L. GOZMÁNY & Zs. DEBRECZY (Loc. No. 5); 10 km S from Maktor, 1 ♂, 3. IV. 1977, leg. L. GOZMÁNY & Zs. DEBRECZY (Loc. No. 51); Menzel Chaker, Hadi Kacem, 1 ♂, 6. IV. 1977, leg. O. DELY (Loc. No. 75); Nèbeur, 30 km N from El Kef, 1 ♀, 30. III. 1977, leg. S. MAHUNKA, L. GOZMÁNY & A. EMBEY-ISZTIN (Loc. No. 35); 8 km S of Sousse, 1 ♂, 19. IX. 1977, leg. S. MAHUNKA & L. MAHUNKA-PAPP (Loc. No. 181).
- Centruroides exilicauda* (WOOD, 1863) – USA: Arizona, Phoenix, 1 ♂.
- Centruroides fulvipes* (POCOCK, 1898) – Mexico: 2 ♀♀, 1892, leg. J. PROKOP.
- Centruroides gracilis* (LATREILLE, 1804) – 2 ♂♂, 30 juveniles after first ecdysis, no location.
- Centruroides limbatus* (POCOCK, 1898) – Costa Rica: Turrialba, 1 ♀, 15. VII. 1965.
- Centruroides limpidus* (KARSCH, 1879) – Mexico: Mexico, Ixtapan del Oro, 1 ♀, VII. 1994.
- Centruroides margaritatus* (GERVAIS, 1841) – Colombia: Santa Marta, 1 ♂, 16. III. 1912, leg. J. ÚJHELYI. – Japan: 1 ♂ (No. 2007) (labelling error or introduced specimen). – Mexico: 2 ♀♀, 5 juveniles (defect); 3 ♂♂, 3 ♀♀, 1 juvenile, 1892, leg. J. PROKOP; Oaxaca, Oaxaca, 2 ♂♂, 4. XI. 1981, leg. J. PÁL. – Panama: 2 ♀♀, IX. 1988, leg. J. VADONA.
- Centruroides nigrovariatus baergi* HOFFMANN, 1932 – Mexico: Mexico, San Angel, 1 ♀, 5. III. 1990, leg. J. PÁL.
- Centruroides nigrovariatus nigrovariatus* (POCOCK, 1898) – Mexico: Oaxaca, Rancho Teja, above Ixtlán de Juárez, 2300 m, 1 ♂, 1 ♀, I–II. 1992, leg. Zs. DEBRECZY.
- Centruroides vittatus* (SAY, 1821) – Mexico: Tula, Hidalgo, 2000 m., 1 ♂, 1 ♀, 14. XI. 1981, leg. J. PÁL.
- Compsobuthus mathiesseni* (BIRULA, 1905) – Iraq: Eskikalak (Com. Arbil), from the vicinity of River Great Zab, 1 ♂, 1 ♀, 1 juvenile, 4. XII. 1977, leg. Gy. TOPÁL & F. ZILAHY (Loc. Nos 298 & 299).
- Hottentotta hottentotta* (FABRICIUS, 1793) – Ghana: Damongo, 2 ♀♀, 14. I. 1972, leg. S. ENDRÓDY-YOUNGA (Loc. No. 515); Tumu, 3 ♂♂, 3 ♀♀, 6 juveniles, 27. X. 1971, leg. S. ENDRÓDY-YOUNGA (Loc. No. 511); Wa, 1 juvenile, 26. X. 1971, leg. S. ENDRÓDY-YOUNGA (Loc. No. 509).
- Hottentotta judaicus* (SIMON, 1872) – Jordan: 1 juvenile, 10. V. 1956, leg. J. KLAPPERICH.

Hottentotta cf. polystictus (POCOCK, 1896) – Egypt: 1 ♂, 1 ♀, 1898, leg. FRUNDSBERG (No. 1183). – Ethiopia: Jerrer Vallis, 1 ♂, 1 ♀, 12. VI. 1911, leg. Ö. KOVÁCS.

Hottentotta cf. trilineatus (PETERS, 1862) – Tanzania: Laiverere, 1 ♂, 28. I. 1960, leg. J. SZUNYOGHY.

Isometrus (Reddyanus) melanodactylus (L. KOCH, 1867) – Papua New Guinea: 1 ♂, 1968–1972, leg. J. BALOGH; 1 juvenile, 1969, Hung. Soil. Zool. Exp., leg. J. BALOGH.

Isometrus (Reddyanus) zideki KOVÁRIK, 1994 – Malaysia: Cameron Highlands, 1 ♀, 1994 (paratype No. 5).

Leiurus quinquestriatus (HEMPRICH et EHRENBERG, 1829) – Egypt: Cairo, 2 ♂♂, 2 ♀♀, leg. A. SZEMERE; 3 ♂♂, 6 ♀♀, 1939, leg. B. PÁL. – 4 ♀♀, no location.

Leiurus quinquestriatus voelschowi (WERNER, 1902) – Jordan: 1 juvenile, 3. III. 1957, leg. J. KLAPPERICH. – Yemen: Wadi Zabid, 2 juveniles, X. 1969, leg. A. SZALAY-MARZSÓ.

Lychas burdoi (SIMON, 1882) – Tanzania: Kidatu Dam, 40 km from Mikimi, SW Morogoro Reg., Kilosa Distr., Great Ruoha river, 1 juvenile after first ecdysis, leg. S. MAHUNKA & A. ZICSI (Loc. No. 42); Morogoro, University Campus, near to the foot of Mt. Uluguru, 1 ♀, 1 juvenile, 19. III. 1989, leg. S. MAHUNKA & A. ZICSI (Loc. Nos 6 & 7).

Lychas marmoreus (C. L. KOCH, 1844) – Australia: Adelaide, 2 juveniles (immature ♂ & ♀), 1968–1972, leg. J. BALOGH (No. ADL. K. 1); Perth, 1 ♂ (immature), 1968–1972, leg. J. BALOGH (No. PER-R. 1); Perth, National Park, “Black Boy”, 1 juvenile, 9. VII. 1968, leg. J. BALOGH (No. PERTH. C. 2).

Lychas mucronatus (FABRICIUS, 1798) – Laos: Dong Dok, 1 juvenile after third ecdysis, 20. III. 1990, leg. E. KONDOROSY. – Thailand: Kaeng Krachan (Phetchaburi), Kaeng Krachan National Park, 1 ♂, II. 1994, leg. S. MAHUNKA & L. MAHUNKA-PAPP (Loc. No. 43).

Lychas variatus (THORELL, 1876) – Australia: Queensland, Varia, 2 juveniles, 1968, Hung. Soil. Zool. Exp., leg. J. BALOGH (No. QLD. C. 1).

Mesobuthus eupeus eupeus (C. L. KOCH, 1839) – Armenia: Djrvezh, 1000 m, 1 ♂, 1 ♀, 13. IX. 1982, leg. O. MERKL & L. RONKAY (Loc. No. 164); Djrvezh, 1100 m, 1 ♀, 10. X. 1984, leg. Z. KORSÓS & T. VÁSÁRHELYI (Loc. No. 334); Echmiadzin, Zvartnotz, 1000 m, 4 ♂♂, 3 ♀♀, 1 juvenile, 12. IX. 1982, leg. O. MERKL & L. RONKAY (Loc. No. 160); Gokht-Gueghard, 1500 m, 1 ♂, 1 ♀, 14. IX. 1982, leg. O. MERKL & L. RONKAY (Loc. No. 170); Norakert, 1000 m, 1 ♂, 1984, 19. X. 1984, leg. Z. KORSÓS & T. VÁSÁRHELYI (Loc. No. 361); Yerevan, 1 ♂, 1 ♀, leg. GY. TOPÁL; Yerevan, 1000 m, 1 juvenile, 10. IX. 1982, leg. O. MERKL & L. RONKAY (Loc. No. 156). – Turkey: Prov. Urfa, Elazığ, Lake Hazar Gölü, 1300 m, 39°27'E, 38°32'N, 1 juvenile (subadult), 26. IV. 1989, leg. G. FÁBIÁN, G. RONKAY & L. RONKAY; Prov. Urfa, Halfeti, valley of Euphrat, 500 m, 37°52.5'E, 37°14.5'N, 1 ♀, 28. IV–1. V. 1989, leg. G. FÁBIÁN, G. RONKAY & L. RONKAY.

Mesobuthus eupeus mongolicus (BIRULA, 1911) – Mongolia: Gobi Altaj aimak, Mts. Adz Bogd, valley of Ih-gol, 2100 m, 95°00'E, 44°45'N, 1 ♀ (immature), 17. V. 1990, leg. G. FÁBIÁN, M. HREBLAY, L. PEREGOVITS & G. RONKAY; Ömnögovi aimak, 22 km SE of Gurlantös, 1800 m, 101°47'E, 43°14'N, 1 ♂, 1 ♀, 13. V. 1990, leg. G. FÁBIÁN, M. HREBLAY, L. PEREGOVITS & G. RONKAY; South Gobi aimak, 9 km NW of Dalanzadgad, 2 ♀♀, 22. VII. 1986, leg. G. RONKAY.

Mesobuthus eupeus thersites (C. L. KOCH, 1839) – Turkmenia: Chuli, 1 juvenile, 10. VII. 1992, leg. A. PODLUSSÁNY; Dushak, 1 ♂, 7. VII. 1992, 1 ♀, 8. VII. 1992, leg. A. PODLUSSÁNY; Firyuza, 2 ♂♂, 2 ♀♀, 1 juvenile, 15. IV. 1991, leg. G. CSORBA, G. FÁBIÁN, B. HERCZIG, M. HREBLAY & L. RONKAY (Loc. No. 2); Kopet-Dagh Mts., 400 m, Parkhay, 6 km NW Kara-Kala, 56°13'E, 38°22'N, 1 ♂, 9. X. 1991, leg. A. PODLUSSÁNY, L. RONKAY & Z. VARGA; Kopet-Dagh Mts., 2200 m, Dushak, 4 ♀♀, 1 juvenile, 1–2. X. 1991, leg. A. PODLUSSÁNY, L. RONKAY & Z. VARGA; Ipay-Kala, 1 juvenile, 2–4. VII. 1992, leg. A. PODLUSSÁNY. – Uzbekistan: Tien-Shan, Forest Reserve of Tshatkal, 1200 m, 1 ♀, 3. VI. 1981, leg. O. MERKL; Tien-Shan, Tshatkal Reserve, Kurgan-Tas, 2300 m, 2 ♀♀, 1 juvenile, 30. V. 1982, leg. L. PEREGOVITS.

Mesobuthus gibbosus anatolicus (SCHENKEL, 1947) – Turkey: Izmir vilayet, Cesme, 100 m, 1 juvenile, 5. X. 1980, leg. L. PEREGOVITS; Prov. Ankara, Lake Tuz Gölü, 8 km N of Sereflikochisar, 1100 m, 33°26'E, 39°00'N, 1 ♂ (immature), 24. IV. 1989, leg. G. FÁBIÁN, G. RONKAY & L. RONKAY; Prov. Ankara, Tuz Gölü, 8 km N Sereflikochisar, 1100 m, 2 juveniles, 25. IV. 1990, leg. B. HERCZIG & G. RONKAY; Termessos, 1050 m, 1 juvenile, 11. X. 1980, leg. L. PEREGOVITS; Tuz Gölü, 2 ♀♀, 14. IX. 1989, leg. G. RONKAY & Z. VARGA.

Mesobuthus gibbosus gibbosus (BRULLÉ, 1822) – Albania: Lukave, Saranda, 3 ♀♀, 9 juveniles, 25. IV. 1959, leg. Xh. MURRAY. – Greece: Hellas mer., Monemvasia, 1 ♂, 1 ♀, 13. V. 1979, leg. L. GOZMÁNY.

Parabuthus liosoma (HEMPRICH et EHRENBERG, 1828) – Ethiopia: Illala Sala, Awash National Park, 1 ♀, 11. XI. 1980, leg. A. DEMETER (Loc. No. 455). – Yemen: Wadi Zabid, 1 ♂, 1 ♀, X. 1969, leg. A. SZALAY-MARZSÓ.

Parabuthus sp. – Ethiopia: Assab, 3 specimens, 15. II. 1907, leg. K. KATONA [KITTENBERGER], rev. M. VACHON (No. VA 1748).

Rhopalurus junceus (HERBST, 1800) – Cuba: Cienfuegos, 1 ♀, 1 juvenile after second ecdysis, 28. XI. 1986, leg. H. GYÓZÓ.

Thaicharmus mahunkai KOVÁRIK, 1995 – Thailand: Kaeng Krachan (Phetchaburi), Kaeng Krachang National Park, Reservoir, 1 ♀ (holotype), 7. II. 1994, leg. S. MAHUNKA & L. MAHUNKA-PAPP (Loc. No. 59).

Tityus cf. *argentinus* BORELLI, 1899 – Argentina: San Pablo, 1 ♀, 2 juveniles, IX. 1905, leg. A. VEZÉNYI; Yerbabuena, 1 ♀, VIII–IX. 1905, leg. A. VEZÉNYI.

Tityus cf. *pococki* HIRST, 1907 – Venezuela: 4 ♂♂, 4 ♀♀, 2 juveniles, 1931, leg. B. SABALDON.

Uroplectes fischeri (KARSCH, 1879) – Tanzania: Laiverero, 1 ♂, 1960, leg. J. SZUNYOGHY; Marti-Arusha, 1 ♀, 1906, leg. K. KATONA [KITTENBERGER], rev. M. VACHON, 1977 (No. VA 1751).

Euscorpiidae LAURIE, 1896

Euscorpius (*Euscorpius*) *carpathicus* (LINNAEUS, 1767) – Albania: Lukave, Saranda, 1 ♀, 25. IV. 1959, leg. Xh. MURRAY. – Bosnia–Hercegovina: Bilek, 3 ♀♀, 7. VIII. 1962; Biokovo planina, 1600 m, 1 ♀, 12. VI. 1906, leg. E. CSIKI; Domanovic, 1 ♀ (No. 2277–102); 3 ♂♂, 6 ♀♀ (No. 2277–230), 5 ♀♀, 2 juveniles (No. 2277–243), 2 ♂♂ (No. 2277–251), 2 ♀♀, 6 juveniles (No. 2277–257), leg. KARLINSKI; Plasa, 1 ♀ (No. 2277–155); Trebevic near Sarajevo, 1 ♂, 1 ♀, VII. 1896 (No. 2277–254). – Bulgaria: Asenovgrad, 1 ♀, 6. VI. 1956, leg. J. BALOGH; Kresna, 3 ♀♀, 25–29. VII. 1987, leg. P. KERESZTESI. – Croatia: Dalmatia, Zelenika, 1 ♀, 2 juveniles, VIII. 1906, leg. G. HORVÁTH; Dinári Alpok [Dinaric Mountains], 2 ♂♂, 7 ♀♀, 8 juveniles, leg. KARLINSKI (No. 2277–240); Knin, 1 ♂, 5 ♀♀, 16. VI. 1906, leg. E. CSIKI, 1 ♀, 12. VII. 1908; Kostaa, 2 ♂♂, 4 ♀♀ (No. 2277–246); Ladilovac, 6 ♀♀, 9 juveniles, leg. Á. LANGHOFFER (No. 2277–96); Omnis, Cetina, 1 juvenile, 13. IV. 1938, leg. S. KOLOSVÁRY; Salona, 1 ♀, 10. VII. 1908. – Greece: Creta, Canea, 2 ♀♀, II. 1906 (No. 2277–263). – Italia: Firenze, 6 ♀♀ (No. 2277–91), 3 ♂♂, 4 ♀♀, 1 juvenile (No. 2277–92); Genova, M. Montanasco, 2 ♀♀, 26. V. 1979, leg. L. ZOMBORI; Genova, Voltri, 1 ♂, 3. VI. 1979, leg. L. ZOMBORI; Karst region of Trieste, Draga, 5 km of Pese, 1 ♀, 19. V. 1991, leg. Z. KORSÓS. – Romania: Banat, Herkulesfürdő [Baile Herculane], 2 ♂♂, 3 ♀♀ (No. 2277–3), 3 ♂♂, 2 ♀♀ (No. 2277–5), 4 ♂♂, 1 juvenile (No. 2277–6), 1 ♂, 2 ♀♀ (No. 2277–8), 2 ♀♀ (No. 2277–19), 2 ♀♀ (No. 2277–26), 1 ♂, 3 ♀♀ (No. 2277–36), 4 ♂♂ (No. 2277–41), 2 ♂♂, 5 ♀♀ (No. 2277–42), 2 ♂♂, 2 ♀♀ (No. 2277–43), 3 ♂♂, 4 ♀♀ (No. 2277–47), 6 ♀♀, 3 juveniles (No. 2277–56) (= *Euscorpius banaticus*); Drenkova [Drencova], 1 ♂, 2 ♀♀, 25. VI. 1888 (No. 2277–35) (= *Euscorpius banaticus*); Szászkabánya [Sasca Montana], 1 ♂, 5 ♀♀ (No. 2277–12), 2 ♂♂, 5 ♀♀, 2 juveniles (No. 2277–14). – Serbia: Autovac, Pausz, 1 ♂, 3 ♀♀, 4 juveniles (No. 2277–235), 2 ♀♀, 1 juvenile (No. 2277–239);

Nis, 1 ♀ (immature), III. 1957, leg. R. LENCZY. – Spain: Mallorca, Puerto de Andraitx, 2 ♀♀, 1 juvenile, 22. V. 1972, 2 ♀♀, 1 juvenile, 23. V. 1972, 1 ♀, 1 juvenile, 24. V. 1972, 1 juvenile, 26. V. 1972, leg. S. MAHUNKA & L. MAHUNKA-PAPP. – Yugoslavia: Budua, 2 ♀♀, 2 juveniles, 15. XI. 1895 (No. 2277–252); Budua, 7 ♀♀, 8 juveniles, 10. IV. 1938, leg. S. KOLOSVÁRY. – 3 ♀♀, 1 juvenile, no location.

Euscorpius (Euscorpius) carpathicus canestrinii (FANZAGO, 1872) – Italia: Sardegna, 1 ♀ (lectotype), rev. M. VACHON (No. VA 370–1) (No. 2277–214).

Euscorpius (Euscorpius) carpathicus ossae CAPORACCO, 1950 – Albania: Petrele (Tirana), 1 ♂, 8. V. 1959, leg. Xh. MURRAY.

Euscorpius (Euscorpius) carpathicus tergestinus (C. L. KOCH, 1836) – Bosnia–Hercegovina: from Museum of Sarajevo, 1 ♀ (No. 2277–247). – Croatia: Metkovic, 2 ♀♀, IV. 1897 (No. 2277–101). – Yugoslavia: Montenegro, 4 ♂♂ (No. 2277–245).

Euscorpius (Euscorpius) germanus germanus (SCHAEFFER, 1766) – Austria: Tirol, Eggenthal, 1 ♂, 1 ♀ (No. 2277–161).

Euscorpius (Euscorpius) mingrelicus (KESSLER, 1876) – Croatia: Vaganski Vrh (Velebit), 1 juvenile after first ecdysis (No. 2277–159).

Euscorpius (Euscorpius) mingrelicus caporiacoi BONACINA, 1980 – Bosnia–Hercegovina: Igman, 1 ♂, 9 ♀♀, 1904 (No. 2287); Maglai, 3 ♀♀, 13. VII. 1897, leg. KARLINSKI (No. 2277–162).

Euscorpius (Euscorpius) mingrelicus histrorum (CAPORACCO, 1950) – Bosnia–Hercegovina: Plasa, 10 defect specimens (No. 2277–154), 2 ♀♀ (No. 2277–156), 3 ♀♀ (No. 2277–157); 1 ♂ (No. 2277–160). – Croatia: Bribir, 3 ♀♀, 25. VII. 1893 (No. 2277–163); Jasenak, 4 ♀♀, 30. III. 1905, leg. L. MÉHELY; Mrkopalj, 1 ♀, 18. V. 1905, leg. L. MÉHELY. – Yugoslavia: Montenegro, Budua, 1 ♂, 9 ♀♀, (No. 2277–130), 1 ♂, 9 ♀♀ (No. 2277–151), 9 ♀♀ (No. 2277–152), 9 ♀♀ (No. 2277–153); Montenegro, Durmitor, Crno Jezero, 3 ♂♂, 3 ♀♀, 2 juveniles, 26. VI. 1958, leg. Z. KASZAB & V. SZÉKESSY; Montenegro, Durmitor, Mont Jaksica Katuni, 1800 m., 1 ♂, 7 ♀♀, 5 juveniles, 25. VII. 1958, leg. Z. KASZAB & V. SZÉKESSY; Montenegro, Durmitor, Zmijinje Jezero, 1400 m., 1 ♂, 2 ♀♀, 1. VII. 1958, leg. Z. KASZAB & V. SZÉKESSY.

Euscorpius (Euscorpius) mingrelicus mingrelicus (KESSLER, 1876) – Georgia: Sochi env., 1 ♀, 1 juvenile, 8. VI. 1976, leg. GY. TOPÁL.

Euscorpius (Polytrichobothrius) italicus HERBST, 1800 – Croatia: Lussin Grande [Lošinj], 2 ♂♂, 2 ♀♀, 1906 (No. 2277–269). – Greece: Morea [Peloponnesos], Kumani, 1 ♂, 1 juvenile, leg. REITTER (No. 2277–258); 1 juvenile, 7. VIII. 1962. – Hungary: Heves county, Gyöngyösroszsi (found in house), 1 ♂, 13. IX. 1976, leg. G. NAGY (introduced?). – 1 ♂, 1 ♀, no location.

Euscorpius (Polytrichobothrius) italicus mesotrichus HADZI, 1929 – Albania: Petrele (Tirana), 1 ♀, 5 juveniles, 8. V. 1959, 1 ♀ (immature), 8. V. 1960, leg. Xh. MURRAY.

Euscorpius (Tetratrachobothrius) flavicaudis (DE GEER, 1778) – France: (le de Riou (Mediterrané), 1 ♀, VII. 1958, leg. R. LENCZY. – 1 ♂, no location.

Megacormus gertschi DÍAZ NÁJERA, 1966 – Mexico: Hidalgo, La Mojonera, 2 ♀♀, 28. X. 1992, leg. J. PÁL.

Bothriuridae SIMON, 1880

Cercophonius squama (GERVAIS, 1843) – Australia: 2 juveniles, leg. A. VOJNITS (No. 1504); Adelaide, 1 ♀, 1968–1972, leg. J. BALOGH (No. ADL. R. 1), 2 specimens, 1968–1972, leg. J. BALOGH (ADL-KC. 1); Melbourne, 1 specimen, leg. J. BALOGH (No. MEB.-X. 1). – New Caledonia: Healsville, 1 juvenile, 3. I. 1977, leg. J. BALOGH; Marysville, 1 ♀, 2. I. 1977, leg. J. BALOGH.

Orobothriurus alticola (POCOCK, 1900) – Chile: Placilla, Valparaíso, 2 ♂♂, 2 ♀♀, XI. 1995.

Urodacidae POCOCK, 1893

Urodacus manicatus (THORELL, 1876) – Australia: Adelaide, 3 specimens, leg. J. BALOGH (No. ADL. R. 1).

Urodacus cf. *novaehollandiae* PETERS, 1862 – Australia: Round Hill, 15 km N from camping, 2 specimens (Loc. No. 85), 4 specimens (Loc. No. 92), 1 specimen (Loc. No. 93), 1 specimen (Loc. No. 98), 1 specimen (Loc. No. 99), 12–13. I. 1981, leg. A. VOJNITS & G. HANGAY.

Scorpionidae PETERS, 1862

Heterometrus (*Chersonesometrus*) *fulvipes* (C. L. KOCH, 1837) – India: East-India, 1 juvenile, X. 1888, leg. J. VADONA.

Heterometrus cf. (*Chersonesometrus*) *phipsoni* (POCOCK, 1893) – India: Daitari, Jaipur, Keonjhar District, 3 ♂♂, 3. XII. 1967, leg. GY. TOPÁL (Loc. No. 1011).

Heterometrus (*Gigantometrus*) *swammerdami* SIMON, 1872 – India: Daitari, Jaipur, Keonjhar District, 1 ♀, 3. XII, 1967, leg. GY. TOPÁL (Loc. No. 1011).

Heterometrus (*Gigantometrus*) *swammerdami titanicus* COUZIIN, 1981 – Sri Lanka: Kala Werva, 1 juvenile (subadult), 1896, leg. G. MADARÁSZ.

Heterometrus (*Heterometrus*) *laoticus* COUZIIN, 1981 – Thailand: Khao Khieo Wildlife & Nature Sanctuary (Chan Buri), 1 juvenile after fourth ecdysis, II. 1994, leg. S. MAHUNKA & L. MAHUNKA-PAPP (Loc. No. 18).

Heterometrus (*Heterometrus*) *longimanus* (HERBST, 1800) – Indonesia: Java, 2 juveniles, 1870, leg. J. XÁNTUS; Sumatra, 2 ♀♀, 1882 (Nos 2015 & 2036), 2 ♂♂, 1883 (Nos 2021 & 2026), leg. MACHIK; Sumatra, Tandjong Morava, 9 ♂♂, 3 ♀♀, 1 juvenile, 1931?, leg. KLEINKAY (No. 2316). – Singapore: 3 ♂♂, XII. 1897, leg. L. BÍRÓ. – Malaysia: Pahang, Pulau Tioman, trail between Juara and Tekek, lowland rainforest, from dead trunks, 1 ♂, 1 juvenile, 10–17. III. 1995, leg. O. MERKL.

Heterometrus (*Heterometrus*) *longimanus borneensis* (THORELL, 1876) – Indonesia: Borneo, Matang, 1 ♀ (No. 2024), 2 ♂♂ (immature) (No. 2031), 3 ♂♂, 34 juveniles & 17 juveniles before first ecdysis (No. 2032), 1 ♂ (No. 2039); 4 ♂♂, 1 juvenile, 1870, leg. J. XÁNTUS.

Heterometrus (*Javanimetrus*) *cyaneus* (C. L. KOCH, 1836) – Indonesia: Java, 1 ♀ (No. 2000), 1 ♂, 3 ♀♀, 1 juvenile (No. 2011), 1 ♀ (No. 2013), 1 ♀ (No. 2020), 1 ♀, 1 juvenile (No. 2030) (very defect), 1 ♀, 1855? (No. 2033), leg. DOLESCHALL; Java, 1 ♀, 1 juvenile (No. 2004); Java, 1 ♀, 1870, leg. J. XÁNTUS (Nos 2005 & 2035); Java, 1 ♂, 1931, leg. MATYASOVSKY (No. 2321); Java, Bogor, 2 ♀♀, VIII. 1994, leg. I. GERGELY; Sumatra, 1 ♂, 1 specimen, leg. MACHIK (No. 648/1883). – Singapore: 1 ♀, 1 juvenile (No. 2001), 1 ♀ (No. 2009), 1 juvenile (No. 2018), 1 ♂ (No. 2019). – Japan: Nagasaki, 1 ♀, 1 juvenile, 1870, leg. J. XÁNTUS (labelling error or introduced specimens).

Heterometrus (*Srilankametrus*) *indus* (DE GEER, 1778) – India: India or., 1 ♀, 1870, leg. J. XÁNTUS. – Singapore: 1 ♀ (No. 2018) (labelling error or introduced specimen).

Heterometrus sp. – India: 1 ♀, 10 juveniles, 1918, leg. S. CSUTORÁS.

Pandinus (*Pandinoides*) *cavimanus* (POCOCK, 1888) – Tanzania: Arusha Chini, 1 juvenile, 15–30. V. 1904, leg. K. KITTENBERGER; Laiverero, 4 ♂♂, 4 ♀♀, 4 juveniles, 20. I. 1960, 1 ♀, 3 juveniles, 2. II. 1960, 1 ♂, 4 ♀♀, 16 juveniles, 1960, leg. J. SZUNYOGHY; Moschi, Aruscha, 2 ♂♂, 2 ♀♀, 2 juveniles, 1906, leg. K. KATONA [KITTENBERGER].

Pandinus (*Pandinoides*) *platycheles* WERNER, 1916 – Ethiopia: Jerrer vallis, 3 ♀♀, 10 juveniles, 12. VI. 1911, leg. Ö. KOVÁCS.

Pandinus (*Pandinopsis*) *dictator* (POCOCK, 1888) – Cameroon: 1 ♂, 1931, leg. R. TUREK.

Pandinus (Pandinurus) percivali POCKOCK, 1902 – Yemen: Wadi Zabid, 2 ♀♀, XI. 1969, leg. A. SZALAY-MARZSÓ.

Pandinus (Pandinurus) sp. – R. S. A: Transvaal, Messina, 1 ♀, 1976, leg. A. HÉJJA (labelling error or introduced specimen).

Pandinus (Pandinus) imperator (C. L. KOCH, 1841) – Ghana: 2 ♂♂, 1 ♀, 1996.

Scorpio maurus LINNAEUS, 1758 – Jordan: 1 juvenile, 3. II. 1956, leg. J. KLAPPERICH.

Scorpio maurus tunetanus BIRULA, 1910 – Tunisia: Degache, 1 ♀, 15. IV. 1977, leg. S. MAHUNKA & L. GOZMÁNY (Loc. No. 116); Menzel Chaker, 2 km W of Village, 1 ♂, 5. IV. 1977, leg. S. MAHUNKA, L. GOZMÁNY & Zs. DEBRECZY (Loc. No. 68).

Ischnuridae SIMON, 1879

Liocheles australasiae (FABRICIUS, 1775) – Indonesia: Borneo, Matang, 65 specimens, 1870?, leg. J. XÁNTUS (No. 2032). – Malaysia: Sarawak, 1 specimen, rev. M. VACHON, 1977 (No. VA 1756). – Melanesia: Fiji, Korovou, 3 specimens, 3 juveniles, IX. 1966, coll. G. BORNEMISSZA. – New Caledonia: Hienghene, 3 ♀♀, 3 juveniles, 29. I. 1977, leg. J. BALOGH; Lifou, Chepénéhé, 1 juvenile, 20. II. 1977; Lifou, Ejengen, 1 ♀, 21. II. 1977, leg. J. BALOGH; Nouméa, 1 ♀, 3 juveniles, 8. X. 1969, leg. J. BALOGH (No. P. C. 2). – Papua New Guinea: Angoram, 1 ♀, 13. VIII. 1969, leg. J. BALOGH (No. NGA-U. 11); Kiunga, 1 juvenile, 13. VIII. 1969, leg. J. BALOGH (No. NGK-M. 7); Simbang, Huon-Golf, 1 specimen, 1900, leg. L. BÍRÓ (No. 2291). – Vietnam: 35 km NE of Bao Loc, Tung Rieng River, 1 ♀, 3 juveniles, 23. X. 1988, leg. S. MAHUNKA & T. VÁSÁRHELYI (Loc. No. 366); Bao Loc, 1 ♀, 1 juvenile, 27. X. 1988, leg. S. MAHUNKA & T. VÁSÁRHELYI (Loc. No. 402); 18 km S of Da Lat, 2 ♀♀, 1 juvenile, 19. X. 1988, leg. S. MAHUNKA & T. VÁSÁRHELYI (Loc. No. 332). – 2 specimens, 7 juveniles, no location.

Liocheles karschii (KEYSERLING, 1885) – Papua New Guinea: Kiunga, 1 ♂, 23. VII. 1969, leg. J. BALOGH (No. NGK-M. 6); Kiunga, 2 juveniles, 29. VII. 1969, leg. J. BALOGH (No. NGK-M. 7); Port Moresby, 1 ♀, 29. VII. 1969, leg. J. BALOGH (No. NG. P. C. 2).

Liocheles waigiensis (GERVAIS, 1843) – Papua New Guinea: Kiunga, 1 juvenile, 23. VII. 1969, leg. J. BALOGH (No. NGK-M. 5); Kiunga, 1 ♀, 23. VII. 1969, leg. J. BALOGH (No. NGK-M. 6); Simbang, Huon-Golf, 1 ♂, 2 juveniles, 1900, leg. L. BÍRÓ (No. 2291).

Opisthacanthus (Nepabellus) rugiceps POCKOCK, 1897 – Tanzania: Arusha Chini, 1 juvenile, 15–30. V. 1904, leg. K. KITTENBERGER; 1 ♀, 3 juveniles before first ecdysis, 1905, leg. K. KATONA [KITTENBERGER], rev. M. VACHON, 1977 (No. VA 1824).

Iuridae THORELL, 1876

Calchas nordmanni BIRULA, 1899 – Turkey: Prov. Diyarbakir, Kavurma Köyü, 10 km NE Ergani, 1400 m, 39°41'E, 38°19'N, 2 juveniles, 27. IV. 1989, leg. G. FÁBIÁN, G. RONKAY & L. RONKAY; Prov. Urfa, Halfeti, 5 juveniles, 1990, leg. G. RONKAY; Prov. Urfa, Halfeti, valley of Euphrat, 500 m, 3 juveniles, 15–22. IV. 1990, leg. B. HERCZIG & G. RONKAY.

Caraboctonus keyserlingi POCKOCK, 1893 – Chile: Rengo, Cachapoal, VII–X. 1995, 2 ♀♀.

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