

A checklist of the scorpions (Arachnida, Scorpiones) in the collections of the National Museum of Natural History (Sofia)

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Abstract: The scorpions deposited in the collection of NMNH (Sofia) are identified and revised. The collection contains 61 species of 34 genera and ten families (Bothriuridae, Buthidae, Chaerilidae, Diplocentridae, Euscorpiidae, Liochelidae, Iuridae, Caraboctonidae, Scorpionidae, and Vaejovidae), incl. the holotype and paratypes of *Euscorpius deltshevi*, the holotype and paratypes of *Euscorpius drenskii*, the holotype and paratypes of *Euscorpius popovi* Tropea et al., paratype of *Chaerilus tyznai* Kov., holotype and paratype of *E. beroni* Fet, 2000, topotypes of *Butheoloides charlotteae* Lourenço, 2000 and specimens of the recently described *Euscorpiops problematicus* (Kovařík, 2000). They were collected mostly by P. Beron and identified mostly by F. Kovařík and V. Fet and come from 34 countries: Bulgaria, Macedonia, Albania, Romania, Greece, Montenegro, Turkey, Italy (incl. Sardinia), France (incl. Corsica), USA, Mexico, Cuba, Dominican Republic, Peru, Chile, Bolivia, Ecuador, Algeria, Morocco, Tunisia, Egypt, Nigeria, Mozambique, Tanzania, Zambia, Zimbabwe, Indonesia, Iran, China (incl. Tibet), Malaysia, Nepal, Thailand, Afghanistan and Papua New Guinea.

Key words: Scorpiones, Museum Sofia, collections

History of the Collection

Until the beginning of our (mostly P. Beron) collecting of scorpions in foreign countries (by 1964), most of the scorpions in the National Museum of Natural History in Sofia were mounted in glass cylinders and displayed in the Museum exposition. Some of them were collected in Bulgaria, Macedonia, Greece, Iran and Egypt by I. Buresch, B. Kurzius and Y. Tsonkov. Some other samples were donated by foreign individuals or institutions (Prof. J. C. Uphoff from Florida, E. Holub from South Africa, the Berlin Museum). The scorpions bear labels with the original identifications.

Some other scorpions in the older collection were preserved in tubes with alcohol and were collected by I. Buresch, D. Papazov, (almost all from Bulgaria, Greece and Macedonia).

The recent material from different Balkan countries was collected by P. Beron, B. Petrov, P. Stoev and other Bulgarians. These scorpions (*Mesobuthus gibbosus*, *Iurus dufourei* and several species of *Euscorpius*) were studied first by Max Vachon and then by Viktor Fet and his American colleagues. Several papers have been published

(FET, 2000; TROPEA et al., 2015), with descriptions of new species (*Euscorpius beroni*, *E. deltshevi*, *E. drenskii*, *E. solegladi*, *E. birulai*). FET & SOLEGLAD (2002) established the fact that the "widespread" *Euscorpius carpathicus* (L.) should be restricted to South Romania and that numerous other species of *Euscorpius* inhabit the countries south of the Danube.

Collections of scorpions were due mostly to P. Beron (sometimes accompanied by V. Beshkov, S. Andreev and other colleagues). Some scorpions have been donated to the Museum by P. Reveillet, H. Coiffait and F. Kovařík.

Presently (2015) the collection of scorpions of the National Museum of Natural History in Sofia consists of 61 species, 34 genera and 10 families (Bothriuridae, Buthidae, Chaerilidae, Diplocentridae, Euscorpiidae, Liochelidae, Iuridae, Caraboctonidae, Scorpionidae, and Vaejovidae) from 35 countries: Bulgaria, Macedonia, Albania, Romania, Greece, Montenegro, Turkey, Italy (incl. Sardinia), France (incl. Corsica), USA, Mexico, Cuba, Dominican Republic, Peru, Chile, Bolivia, Ecuador, Algeria, Morocco, Tunisia, Egypt, Nigeria, Mozambique, Tanzania, Zambia,

Zimbabwe, Indonesia, South Africa, Iran, China (incl. Tibet), Malaysia, Nepal, Thailand, Afghanistan and Papua New Guinea. Preserved in the Museum are also some type specimens: incl. the holotype and paratypes of *Euscorpius deltshevi*, *E. solegladi*, *E. beroni* and *E. birulai*, paratype of *Chaerilus tyznai* Kov., topotypes of *Butheoloides charlotteae* Lourenço, 2000 and specimens of the recently described *Euscorpiops problematicus* (Kovařík, 2000).

Most of the material has been identified by F. Kovařík (sent by P. Beron) and returned to the NMNH (Sofia). The numbers of samples are numbers of tubes in the collection.

Material and Methods

The work was conducted in 1999 – 2003. All specimens are preserved in alcohol. The first author was concerned chiefly with determinations and the second author with catalogization of specimens, a majority of which he had collected. Specimen data are given as they appear on the original labels. All examined specimens received labels in Ariel or Times New Roman font produced on a laser printer. The labels contain the generic and species name, author and year of the original description, whether the specimen was determined (det.) or revised (rev.), and the reviser's name and date (year) of the examination. Specimens determined by Fet (see FET, 2000, p. 47-60) were not re-examined and did not receive additional labels. The complex of *Euscorpius* (*Euscorpius*) "*carpathicus*" (Linné, 1767) includes specimens from Turkey determined by the first author and specimens which Fet currently recognizes as several distinct groups (see FET, 2000: 47-60); they cannot receive species names until the entire complex is revised.

Meanwhile, V. Fet returned most of the scorpions entrusted to him, together with the type material of several new Balkanic *Euscorpius*, described in the papers of FET et al. (2014a, 2014b) and TROPEA et al. (2015a, 2015b). Other papers are being prepared (Fet, in litt.).

Results

Fam. Bothriuridae Simon, 1880

Orobthriurus cf. *paessleri* (Kraepelin, 1911)

Bolivia, La Paz, 3600 m, 19.VI.1979, 1♀, 2 juvs, leg. P. Beron (P.B.), No. 52.

Fam. Buthidae Simon, 1879

Alayotityus nanus Armas, 1973

Cuba, Siboney, Sant. de Cuba, Cueva de los Majaes, 37 m, 26.II.1982, 1♂, 2♀♀ 2 juvs, leg. P. B., No. 30.

Androctonus crassicauda (Olivier, 1807)

Turkey, Halfeti, 6.VII.1994, leg. M. Kaftan

Butheoloides charlotteae Lourenço, 2000

Nigeria, v. Kabwir, Plateau State, 20.IX.1978, 2♂, 1 juv. (topotypes), leg. P. B., No. 10.

Buthus occitanus (Amoreux, 1789)

Morocco, Tuisgui Remus, 25.X.1971, 2 im., leg. H. Coiffait, No. 47; Oued Tigsert, 26.X.1971, 1♂, leg. H. Coiffait, No. 46; Tan - Tan Plugá, 28.X.1971, 2 juvs, leg. H. Coiffait, No. 44. **Nigeria**, Pai River Game Reserve, Sabon Gida, 3.IX.1978, 1♂, leg. P. B., No. 53; Wase Rock, Game Reserve, 4.IX.1978, 1♀, leg. P. B., No. 14.

Centruroides exilicauda (Wood, 1863)

USA, California, Borrego Spring, 19.V.1981, 1♀, leg. V. Beshkov.

Centruroides gracilis (Latreille, 1804)

Cuba, Pinar del Rio, 1.XII.1981, 1♀ (im.), leg. P. B., No. 38; La Habana, 11-16.XII.1981, 1 juv., leg. P. B., No. 28; Prov. Pinar del Rio, v. Ceja de Francisco, Arroyo, 150 m, 9.XII.1981, 1♂, 1♀, leg. P. B.; La Habana, Casa Blanca, ca. 20 m, 22.II.1982, 3♀♀, leg. P. B., Nos 17, 23 and 27; Prov. Santiago de Cuba, Forestal „La Francia“, 6.III.1982, 1 juv., leg. P. B., No. 32. **Mexico**, Tamaulipas, Quintero (near C. Mante), Merida, 7.II.1982, 1♀, leg. P. B., No. 43; Yucatan, Chichen Ytza, 13.II.1982, 1♀, 1 juv., leg. P. B., Nos 16 and 25.

Centruroides guanensis Franganillo, 1931

Cuba, Pinar del Rio, Pica Pica Valey, 26.XI.1981, 1♂, 1♀, leg. P. B., No. 63.

Centruroides ochraceus (Pocock, 1898)

Mexico, Yucatan, Chichen Ytza, 13.II.1982, 2♀, leg. P. B., Nos 19 and 20.

Centruroides vittatus (Say, 1821)

Mexico, Tamaulipas, Ciudad, Victoria, 26.I.1982, 1♀, 1 juv., leg. P. B., Nos 21 and 24.

Hottentotta alticola (Pocock, 1895)

Afghanistan, Kabul, Sherdarwasa, 2000-2200 m, 3.VI.1986, 1♀, 1 juv., leg. P. B., Nos 123 and 129; Kabul, 1800 m, 2-19.VI.1986, 1♀, 2 juvs, leg. P. B., Nos 121 and 122; Kabul, Bagh-i-Bala, 1900 m, 8.VI.1986, 1♀, leg. P. B., No. 118; Kabul, Nadir Shah Mausoleum, 1850 m, 18.VI.1986, 1 juv., leg. P. B., No. 276.

Hottentotta hottentotta (Fabricius, 1787)

Nigeria, Wase Rock, Game Reserve, 4.IX.1978, 1 juv., leg. P. B., No. 14; v. Kabwir, Plateau St., 20.IX.1978, 1 juv., leg. P. B., No. 10.

Hottentotta trilineatus (Peters, 1861)

Tanzania, Moshi, 800 m, 7.IX.1983, 1♀, leg. P. Beron & V. Beshkov, No. 84. **Zimbabwe**, Victoria Falls, 23.VIII.1983, 1♂, 1 juv., leg. P. Beron & V. Beshkov, No. 77.

- Leiurus quinquestriatus* (Hemprich et Ehrenberg, 1828)
Egypt, Luxor, right bank, 16.X.1977, 2 juvs, leg. P. B., No. 33.
Lychas burdoi (Simon, 1882)
Mozambique, Provincia Maputo, Catuane, 24.VI.1983, 2 juvs, leg. P. Beron & V. Beshkov, No. 65.
Lychas mucronatus (Fabricius, 1798)
China, Hainan Dao Qingdao, 200-300 m, 14.X.1988, 2 ♀, 2 juvs, leg. P. B., No. 151. **Indonesia**, Sumatra, Padang the hill with the Chinese cemetery, 21.V.1994, 2 im., leg. P. Beron & V. Beshkov, No. 173; Flores, Borong, 21.VI.1994, sub cort., 1 ♀, leg. P. Beron & V. Beshkov
Lychas nigristeris (Pocock, 1899)
Nepal, Bagmati Zone, Betrawati, 650-700 m, 12.IX.1984, 1 ♀, leg. P. Beron & St. Andreev, No. 106.
Lychas variatus (Thorell, 1876)
Papua New Guinea, New Ireland, Lelet Plateau, v. Lenkamin, under bark, 2.XII.1975, 1 ♀, leg. P. B., No. 338.
Mesobuthus gibbosus (Brullé, 1832)
Albania, Ionian Sea, Dhermi, 24.I.1993, 2 ♀, 1 juv., No. 132, leg. P. B. **Greece**, Peloponnesos, IX.1981, 1 ♀, No. 48, leg. P. B.; Kythira, near airfield, 30.IV.1987, 1 ♂, 1 ♀, No. 166, leg. P. B.; Kithinos, Dryopis, 15.V.1984, 1 ♂, 1 ♀, No. 99, 9.V.1987, 1 ♀, 1 juv., No. 159, 16.V.1987, 1 ♀, No. 92, leg. P. B.; Serifos, Coutalas, 0-300 m, 22.IV.1984, 1 ♂, 1 ♀, Nos. 91 and 93, leg. P. B.; Tinos, 1.X.1974, 2 ♀ ♀, 2 im. ♂, Nos. 35 and 54, leg. P. Beron & V. Beshkov; Chios, Passa Limani, 14.V.1987, 2 ♀, Nos. 160 and 165, leg. P. B.; Chios, Nea Moni, 13.V.1987, 1 juv., No. 154, leg. P. B.; Karpathos, Archangel Michail, 800-1000 m, 4.V.1984, 1 ♀, No. 89, leg. P. B.; Rhodes, Lindos, 30.IV.1984, 1 ♀, No. 94, leg. P. B.; Rhodes, Lardos, 1.V.1984, 1 ♀, No. 97, leg. P. B.; Rhodes, Archangelos, 1.V.1987, 1 juv. ♀, No. 167, leg. P. B.; Crete, Psiloritis, 1600-2000 m, 11.V.1984, 1 ♂, No. 116, leg. P. B.
Mesobuthus eupeus (C. L. Koch, 1839)
Afghanistan, Kabul, Bagh-i-Bala, 1900 m, 8.VI.1986, 1 ♀, leg. P. B., No. 120; Kabul, Nadir Shah Mausoleum, 1850 m, 18.VI.1986, 5 ♂, 13 ♀ ♀, leg. P. B., Nos 119, 124 - 127; Kabul, 1800 m, 2-19.VI.1986, 1 ♂, leg. P. B., No. 121.
Turkey, Eastern Anatolia, Dogubayazit, Ishak Pasha Sarayi, 2000 m,
27.VIII. 2000, B. Petrov leg. (V. Fet det.)
Mesobuthus martensii (Karsch, 1879)
China, Beijing Mun., Fangshan Co. Zhoukoudian, 12.VIII.1993, 1 ♀, 3 juvs, leg. P. B., No. 130.
Orthochirus innesi Simon, 1910
Morocco, Valle de Dra, Maades Anzez, 20.X.1971, 2 ♂, leg. H. Coiffait, No. 50.
Rhopalurus junceus (Herbst, 1800)
Cuba, Prov. Pinar del Rio, Pica Pica Valey, Cueva Oscura, 26.XI.1981, 1 juv., leg. P. B.; Sierra Maestra, Pico Cuba, 1600 -1800 m, 28.II.1982, 1 im., leg. P. B., No. 22.
Tityopsis inaequalis Armas, 1974
Cuba, Cueva de Murcielagos, Rancho galera, 25 km E Habana, 2 juvs, leg. P. B., No. 12; Pinar del Rio, v. Ceja de Francisco, 26.X.1980, 1 ♀, 1 juv., leg. P. B., No. 5; Pinar del Rio, v. Ceja de Francisco, Cueva del Cafetal, 23.XI.1981, 1 juv., leg. P. B., No. 60.
Uroplectes flavoridis Peters, 1862
Mozambique, Provincia Maputo, Catuane, 25.VI.1983, 1 ♂, 1 ♀, leg. P. Beron & V. Beshkov, No. 78; Provincia Cabo Delgado, Mazeze, near Pemba, 1.VII.1983, 2 juvs, leg. P. Beron & V. Beshkov, No. 72; Provincia Cabo Delgado, 10 km S Namapa, 26.VII.1983, 1 ♂, 1 ♀, leg. P. B., No. 73; Provincia Cabo Delgado, v. Muaguide, 94 km from Pemba, 28.VII.1983, 2 ♀ ♀, leg. P. Beron & V. Beshkov, No. 75.
Zambia, Kafue, 28.VIII.1983, 1 ♀ (im.), leg. P. Beron & V. Beshkov, No. 64. **Zimbabwe**, Great Zimbabwe ruins, 20.VIII.1983, 2 ♂, 2 ♀ ♀, leg. P. Beron & V. Beshkov, No. 71.
Uroplectes formosus Pocock, 1890
Mozambique, Provincia Maputo, Catuane, 24.VI.1983, 1 ♀, 1 juv., leg. P. Beron & V. Beshkov, No. 65; Provincia Maputo, Namaacha, 7.VIII.1983, 2 ♀ ♀, leg. P. Beron & V. Beshkov, No. 66.
Uroplectes planimanus (Karsch, 1879)
Zambia, Victoria Falls, 25.VIII.1983, 2M, 7 ♀ ♀, 4 juvs, leg. P. Beron & V. Beshkov, Nos 82 and 156.
Uroplectes vittatus (Thorell, 1876)
Zambia, Victoria Falls, 25.VIII.1983, 1 ♂, leg. P. Beron & V. Beshkov, No. 82.
Fam. Chaerilidae Pocock, 1893
Chaerilus truncatus Karsch, 1879
Nepal, Kathmandu, 1900 m, 26.VII.1981, 1 ♀, leg. P. B.
Chaerilus variegatus Simon, 1877
Indonesia, Java, Puncak Pass, 34 km from Bogor, 1500 - 1600 m, 7.VII.1994, 1 im, leg. P. Beron & V. Beshkov, No. 178.
Chaerilus tryznai Kovařík, 2000
China (Tibet), Bomi env., ca 3000 m, 9.VII.1997, leg. M. Tryzna et O. Šafránek. **Paratype No 10**
Fam. Diplocentridae Pocock, 1893
Diplocentrus cf. steeleae Stockwell, 1988
Mexico, Chiapas, Palenque, 18.I.1982, 1 im., leg. P. B., No. 18.
Fam. Euscorpiidae Laurie, 1896
Euscorpiops problematicus (Kovařík, 2000)

Thailand, Doi Inthanon, National Park, 1200-1300 m, 12.XI.1984, 2 im. ♀, leg. P. Beron & St. Andreev, Nos 105 and 107.

Euscorpius popovi Tropea, Fet, Parmakelis, Kotsakiozi et Stathi, 2015

Bulgaria. Holotype ♂ and paratypes: Blagoevgrad District, Melnik, 29.IV.1983, 2♂1im. ♀, No. 88, leg. P. Beron, S. Andreev & V. Pomakov; Other paratypes – not yet returned; Other material: Blagoevgrad District, Ilinden, locality Pazlaka, 6.V.1981, 2♂2♀1juv., No. 7, leg. P. Beron, S. Andreev & V. Pomakov; Blagoevgrad District, Goleshovo, near the karstic source, 10.V.1984, 3♀, leg. P. Beron & S. Andreev; ; Blagoevgrad District, Musomishta, locality Grebenaro, litter, 2♂, No. 31, leg. P. Beron & S. Andreev.

Euscorpius (Euscorpius) beroni Fet, 2000

Albania, Shkoder District, Boga, Maya Tchardakut, 1400-1800 m, 1.VI.1993, 1♀ (**holotype**), No. 137, leg. P. B.; Shkoder District, Boga, upper Camp, 1800-1900 m, 20-25.VI.1993, 1♀, 3 juvs. (paratypes), No. 142, leg. P. Beron & B. Petrov; Shkoder District, Mt. Radohimës, 2200-2400 m, 29.V.1993, 3♀ (**paratypes**), No. 134, leg. P. B.

Euscorpius (Euscorpius) tergestinus (C. L. Koch, 1837)

France, Corsica, Zama, 19.IX.1967, 1♀, leg. P. B., No. 59.

Croatia. Island of Hvar, vill. Humac, cave Grabcina Spilja, 16.08.2006, B.

Petrov et St. Lazarov leg.; Isl. of Mljet, vill. Blato, cave Velika Spilja,, alt.

90 m, 13.08.2006, B. Petrov et St. Lazarov leg.

Euscorpius (Euscorpius) deltshevi Fet, Graham, Webber et Blagoev, 2014

Bulgaria. ♂, Holotype: Sofia Prov.: Tserovo, 739 m, 4.05.2005, leg. V. Fet & A. Popov. **Paratypes:** same label, 3♂♂, 8♀; 1♂, 1♀; 1♂, 2♀, Tserovo, leg. P. Beron (36); 1♀, between Tserovo and Iskrets, 1000 m, 25.09.1960, leg. V. Beshkov (235); 1♀, Lakatnik Railway St., 23.03.1930, leg. P. Drenski (313); idem, 2♂♂ subad., 6.05.1934, leg. J. Zonkov (305); 1♀, idem, 20.08.1934, G. Stoyanov (300); 1♂ subad., 2♀♀ subad., idem, 10.07.1948, leg. I.A. Ivanov & P. Tranteev (274); 2♀, 1♀ juv., idem, nr. Razhishkata Cave, 7.08.1948, leg. G. Rupev (281); 2♀, idem, 15.05.1997, leg. B. Petrov (220); 1♂, 2♀♀, Opletnya nr. Lakatnik, 21.05.1994, leg. P. Stoev (214); 1♀, Svoje, 8.07.1934, leg. N. Miladinov (303); 1♂, Thompson Station, 29.06.1952, leg. A. Popov (532); 4♀, Zanoje, 1100 – 1300 m, 2.05.1985 (114). Other material studied by Fet, Graham, Webber & Blagoev, 2014: 3♂, 1♀, Asklepion near Zlatna

Panega Village, 4.08.1948 (340); 3♂, 1♀ (341); 1 m, Karlukovo, 9.09.1923, leg. I. Buresch (297); 1♂, Karlukovo, nr. Temnata dupka Cave, 24.11.1935, leg. K. Popov (316); 1♂, Lukovit Distr., Bezhanovo, Georgikovata Cave, 11.10.1973, leg. A. Petkova (157); 1♂, idem, nr. Entrance of Parnitsite Cave, 15. 03.1998, leg. B. Petrov (203); 1♀, 1♀ subad., Troyan, 6. 1919, leg. P. Drenski (307); 1♂, 2♀♀, Chiprovtsi Distr., Beli Mel, 13.06.1973, leg. P. B. (49); 1♂, 1♀ juv., Debelidelska Murtvina area, 1100 – 1300 m, 28.06.1998, leg. P. B. (207); 2♀ juv., Diva Slatina, 21.06.1998, leg. B. Petrov (205); 1♀, Ravna, 1.06.1972, leg. P. B. (348); 1♀, Gorna Bela Rechka, Vartop Cave, 7.05.1909 (503); 1♂, 2♀, Radomir Distr., Golo Bardo Mts., 1000 m, 25.03.1937, leg. P. Drenski (510); 1♂, Deventsi, Haydushkata Peshtera Cave, 24.08.1927, leg. H. Matrov (283); 1♀, Dolni Dabnik District, Sadovets nr. Pleven, 29.05.1926, leg. H. Matrov (524); 1♀, Pleven, 06.1912, leg. Klein (312); 1♂, 1♀, Svalenik, Byalata Stena, “Rusenski Lom” Nature Park, 3.10.1999, leg. B. Petrov (226); 1♂, Pepelina, 4.10.1999, leg. P. Petrov (225); Shumen Prov.: 1♀ with juvs., Veliki Preslav, Patleyna, 13.10.1933, leg. I. Grozev (293); 3♂, 3♀♀ (523); 1♀, 1♀ juv., Sliven Prov.: Sliven, ca. 500 m, 06.1985, leg. G. Ribarov (343); 1♂ subad., Byala, 13.06.1927, I. Julius & P. Drenski (311); 2♀♀, Davidov Dol, 10.07.1934, leg. G. Kozarov (285); 1♂, Katunishte, 10.1993, leg. T. Lerov (239); 2♀ juv., Kotel, 600 m, G. Ribarov (240); 1♀ juv., “Ponor”, nr. Kotel, 30.04.1924, leg. N. Radev (509); 1♀, Sinite Kamani Natural Park, 29.03.1983, leg. T. Petrov (241); 1♂, idem, between Karandila and Buchvata, 800-900 m, 25.05.2001, leg. B. Petrov & V. Beshkov (259); Sofia prov.: 1♀, Beledie Han, 5.10.1958, leg. A. Popov (549); 1♂, Praveshka Lakavitsa, Aliova dupka Cave, 5.02.1994, leg. B. Petrov (206); 1 n, Bov Village, Mt. Izdremets, 1400 m, 14.09.1999, leg. B. Petrov, V. Beshkov & Yu. Gorelov (224); 1♀ subad., Chepan Hill, above Dragoman, 28.05.1932, leg. J. Zonkov (284); 1♂ juv., 2♀♀, Goten Mt. Above Buhovo Village, leg. G. Stoyanov (513); 2♀♀, Kremikovski Mon., 23.04.1900, leg. I. Buresch (273); 1♂ juv., Novi Iskar, Kurilo, 6.05.1952, leg. A. Popov & I. Buresch (517); 1♂, 1♀, Kurilo, 30.05.1952, leg. G. Stoyanov (540); 4♂, 2♀♀, 1♂ juv., between Milanovo and Gorna Bela Rechka, 05.1911, leg. P. Drenski (270); 5♀♀, Ogoya, 12.06.1938, leg. G. Stoyanov (327); 1♂, 2♀♀, Batuliya, Rebrovo Station, 23.05.1954, leg. I. Urumov & I. Buresch (542); 1♂, Rebrovo Railway Station, 10.06.1949, leg. G. Zagorov (233); 1♀, Rebrovo, 9.10.1980, leg. P. B. (109); 1♂ juv., Sedemte Prestola Mon., 10.04.1988, leg. P. B. (232); 1♂, Sofia

(brought with firewood ♀), 1.06.1957, leg. A. Popov (516); Targovishte Prov.: 1 ♀, Valley nr. Targovishte, 207 m, 1.05.1962, leg. I. Buresch (539); Veliko Tarnovo Prov.: 1 ♀, Arbanasi, Lyaskovskata peshtera Cave, 6.08.1968, leg. P. Beron (39); 1 ♀, Preobrazhenski Mon. Nr. Veliko Tarnovo, 25.07.1928, leg. Kr. Tuleshkov (538); Vidin Prov.: 1 ♂, Belogradchik, Neprivetlivata Pothole, 6.06.1973, leg. P. B. (333); 1 ♀, Oreshets Railway St., 17.10.1971, leg. P. B. (339); Vratsa prov.: 1 ♀ subad., Vratsa Town, 1.07.1924, leg. I. Buresch (291); 1 ♂ subad., env. of Vratsa, 2.06.1926, leg. H. Matrov (278); 1 ♀, southern Vrachanska Mts, 880 m, 1.01.2005, leg. T. Ljubomirov; 1 ♂, Chelopek, Malata Yama Pothole, 30 m deep, 1.07.1929, leg. N. Radev (304); 1 ♂, Cherepishki Mon., 1.05.1959, leg. A. Popov (528); Chiren Village, small cave near entrance of Ponora Cave, 22.04.1995, leg. T. Ivanova (234); 2 ♀ ♀, Kunino, 1.05.1993, leg. T. Ivanova (186); 1 ♂, near Dyavolska Vodenitsa Cave, nr. Kunino, 5.04.1924, leg. I. Buresch (529); 1 ♂, Near Ledenika Cave, 5.06.1933, leg. D. Papazov & N. Atanassov (289); 1 ♂ (294); 1 ♀, Lyutadjik, 450 m, 1.04.2000, leg. B. Petrov & V. Beshkov (237); 1 ♀, Matnishki Mon., Cherniya Izvor Cave, 3.04.1999, leg. B. Petrov (209); 1 ♀, Vrachanska Mts., Parshevitsa Hut, 1000 m, 2.05.1994, leg. P. Stoev (216); 1 m, Yambol Prov. Yambol, 10.08.1934, leg. I. Tarpanov (302).

Euscorpius (Euscorpius) scaber Birula, 1900

Greece. Pangeo Mt., under stones nr. Pangeo Ski Center, 1700 – 1760 m, 1.09.2007, B. Petrov leg.

Euscorpius (Euscorpius) solegladi Fet, Graham, Webber et Blagoev, 2014

Bulgaria. Holotype: ♂, Blagoevgrad Prov., Sandanska Bistritsa River,

26.05.2005, leg. V. & E. Fet; **Paratypes:** 2 ♀ ♀, same data; 2 ♂, 4 ♀ ♀, Kresna District, Gorna Breznitsa, 27.05.2005, leg. V. Fet & D. Dobrev; 1 ♂, 2 ♀ ♀ Kresna, 30.04.1983, leg. P. B. & K. Marincheva (87); 2 ♂, 1 ♀, waterfall near Kresna Station, 14.05.1981, leg. P.B. & S. Andreev (3); 1 ♂, Blagoevgrad, 14.04.1955, G. Radev (534); 1 ♂, 2 ♀ ♀, Gotze Delchev Distr., Breznitsa, 25.06.1937, leg. J. Zonkov (543); 1 ♀, Kresna Gorge, 9.04.1922, leg. I. Buresch (526); 2 ♀ ♀, idem, 8.06.1966, leg. A. Popov (547); 1 ♂ juv., idem, 21.03.1994, leg. B. Petrov (194); 2 ♀ ♀, Krupnik, 300 m, 27.04.1996, leg. P. Mitov; Kresna Gorge, nr. Sheitandere, 2-3.07.1997, leg. B. Petrov (198); 1 ♀, Maleshevska Mts, Ilyina Cheshma, 14.06.1992, T. Ljubomirov (342); 1 ♂, 1 ♀, Maleshevska Mts, W from Gorna Breznitsa, 14.08 – 2.10.2003, leg. B. Gueorguiev; 1 ♂, 1 ♀, Melnik, 30.06.1935, leg. K. Tuleshkov (317); 1 ♀, Melnik, 1.08.1983 (112); 1 ♂ juv., Ograzhden Mts, Markovi

Kladentsi Peak, 1500 m, 26.05.1996, leg. B. Petrov (197); 1 ♂, 1 ♀, Parangalitsa, 1400 m, 12.07.1931, leg. N. Fenenko (271); 2 ♀, Petrich, 29.07.1983, leg. K. Marincheva (111); 1 ♂, Strumyani District, Pirin Mts. Above Ilindentsi, nr. entrance of Sharaliiskata Cave, 1600 m, 3.05.1999, leg. B. Perov (208); 1 ♀, Sandanski Distr., Ploski, Zandana Cave, under stones in guano, 31.05.2000, leg. B. Petrov & L. Nissen (244); 1 ♂, 2 ♀ ♀, Ribnitsa, 31.07.1983, leg. K. Marincheva (110); 2 ♂, 3 ♀ ♀, Samuilovo, leg. P. B. (6); 1 ♀, Slavyanka (Alibotush) Mts, Summer Post 10, 28.06.1937, leg. J. Zonkov (501), 1 ♀ (506); Other material studied by Fet, Graham, Webber & Blagoev, 2014: 1 ♂, 1 ♂ juv., 2 ♀ ♀, Nr. Kyustendil, 27.05.1937, leg. Bandarski (514); 1 ♀, Ossogovska Mts., Stradalovo, 10.08.1994, leg. P. Stoev (215); 1 m, 7 ♀, 1 ♀ juv., Rila Mts., below Rilski Monastery, Pastra, 500 m, 14-15.04.1928, leg. P. Drenski (518); 1 ♀, Rila Mts., above Rilski Mon., 1450 m, 5.07.1939, leg. N. Atanassov (318); 2 ♂, 1 ♀, Rila Mts., road to Kalin Peak, above Pastra, 1100 m, 24.08.1997, leg. B. Petrov & P. Stoev (201); 1 ♂, 1 ♂ juv., 1 ♀ juv., Tsurvaritsa, Gabra Reserve, 800 – 1000 m, 6.06.2001, leg. B. Petrov & G. Stoyanov (258); Belovo, 90.04.1909, leg. P. Drenski (525); 1 ♂, 2 ♀ ♀, Gabrovnitsa, stream Dalbochitsa, 6.04.1986, 450 m, leg. P. B. (117); (244); 1 ♀, 2 ♀ juv., Devin, 06.1924, leg. P. Drenski (288); 2 ♂, 1 ♀, Ihtimanska Sredna Gora Mts., Muhovo, 16.08.1997, leg. D. Milcheva; Sofia, brought with firewood, 1.10.1931, leg. I. Buresch (314).

Greece. 1 ♂, 1 ♀, Thessaloniki, Hortiatiss Mt., 2.07.1939, leg. D. Papazov; 1 m, 1 ♀, Thes., Rentina 100 m, under Platanus bark, 19.09.2000, leg. B. Petrov, P. Stoev & St. Beshkov (250).

Euscorpius drenskii Tropea, Fet, Parmakelis, Kotsakiozi et Stathi, 2015

Bulgaria. Holotype: West Rhodope Mts., Smolyan Prov., Shiroka Laka, leg. P. Drenski (NMNHS 275); **Paratypes:** Smolyan Prov., Devin Distr., Trigrad, 25.06.1924, leg. P. Drenski (301); Smolyan Prov., Shiroka Laka, 26.06.1924, leg. P. Drenski (310); other material (leg. P. Beron, Prince Ferdinand I, D. Raichev, B. Petrov, V. Beshkov): Yagodina (517), Rozhen Pass, 1500 m (221), Trigrad (200), betw. Mihalkovo and Devin (198)

Euscorpius birulai Fet, Soleglad, Parmakelis, Kotsakiozi et Stathi, 2014

Greece. Holotype ♂, Euboea Island, Karistos, Agia Triada Cave, 200 m, 2.01.2003, leg. P. B. (266); **Paratypes:** same label, 1 ♂, 2 ♂ subad., 1 ♂ immat., 3 ♀ ♀ immat. (266).

Euscorpius (Tetratrachobothrius) flavicaudis (De Geer, 1778)

France, Valence (Drôme), 35 Boulevard d'Alsace, 28.V.1967, 1 ♀, leg. P. Réveillet, No. 51.
Italy, Sardinia, Prov. Sassari, Bonorva, 500 m, 16.X.1980, 1 ♀, leg. P. B., No. 9; Sardinia, Prov. Sassari, 18.X.1980, 1♂, 1 ♀, leg. P. B., No. 37.

Euscorpius italicus (Herbst, 1800)

Italy, Abruzzo, Silvi Marina, 1-10.VI.2000 (F. Kovařík leg. et det.)

Euscorpius carpathicus (L., 1767)

Romania. Baile Herculane, August 2014, P. B. leg.

Euscorpius spp., indicated as "Complex *Euscorpius (Euscorpius) carpathicus* (Linné, 1767)"

(Note by P.B.: as *E. carpathicus* has been restricted only to the area North of Danube, the material from Albania, Bulgaria and Greece belongs to other species)

Albania. Shkoder District, Theth, 800-900 m, 28.V.1993, 1♂5 ♀, Nos. 141 and 144, leg. P. B.; Shkoder District, Boga, 1000-1100 m, 5.-9.VI.1993, 5♂8 ♀, Nos. 133, 136, 140, 143, 145 and 147, leg. P. Beron & B. Petrov; Shkoder District, Boga, Maya Tchardakut, 1200-1400 m, 1.VI.1993, 2 ♀, No. 148, leg. P. B.; Shkoder District, Boga, Maya Tchardakut, 1400-1600 m, 1.VI.1993, 2♂, No. 146, 2.VI.1993, 2♂, No. 139, leg. P. B.; Shkoder District, Mt. Radohimës, 1000-1100 m, 5.-9.VI.1993, 3♂1 ♀, No. 138, leg. P. Beron & B. Petrov; Rrëshen District, Merkurth, under stones, 11.VI.1993, 1 ♀, No. 132, leg. P. Beron & B. Petrov.

Bulgaria. East Rhodope Mts, Kurdzhali District, Devesili, 4.VI.1982, 3♂2 ♀1 juv.f, No. 4, leg. P. B.; Pleven District, Bezhanovo, Georgicovata Cave, 11.X.1973, 1♂, No. 4, leg. A. Petkova; Burgas District, Sc. Vlas, Emine, 22.VIII.1983, 3♂7 ♀, Nos. 108 and 113, leg. K. Marincheva; Blagoevgrad District, Paril, near Rupata Cave, 8.-9.V.1981, 2♂3 ♀, Nos. 2 and 11, leg. P. Beron & S. Andreev; Blagoevgrad District, Samuilovo, litter under *Castanea*, 11.V.1981, 1♂2 ♀, No. 6, leg. P. Beron, S. Andreev & V. Pomakov; Blagoevgrad District, waterfall near Kreshna station, 14.V.1981, 1♂2 ♀, No. 3, leg. P. Beron & S. Andreev; Blagoevgrad District, Kresna, 30.IV.1983, 1♂2 ♀, No. 87, leg. P. Beron & K. Marincheva; Blagoevgrad District, Melnik, 1.VIII.1983, 1 ♀, No. 112, leg. K. Marincheva; Blagoevgrad District, Petrich, 29.VII.1983, 1 ♀1juv., No. 111, leg. K. Marincheva; Blagoevgrad District, Rybnitsa, 31.VII.1983, 1♂2 ♀, No. 110, leg. K. Marincheva; Mikhailovgrad (now Montana) District, Beli Mel, 13.VI.1973, 1♂2 ♀, No. 49, leg. P. B.; Sofia District, Rebrovo, 9.X.1980, 1 ♀, No. 109, leg. P. B.; Sofia District, Tserovo station, 24.V.1964, 1 ♀, No. 36, leg. P. B.; Sofia District,

Zanoge, 1100-1300 m, 2.V.1985, 1♂ 4 ♀, No. 114, leg. P. B.; Plovdiv District, Bachkovsky Monastery, 18.VI.1960, 1♂1 ♀, No. 45, leg. P. B.; Veliko Turnovo District, Arbanasi, Lyaskovskata Cave, 6.VIII.1968, 1 ♀, No. 39, leg. P. B.; West Rhodope Mts., Smolian District, Trigrad area, Yagodina, 20.V.1983, 1 ♀, No. 517, leg. P. B.; Pazardzhik District, Gabrovnica, left bank of Maritsa, stream Dalbochitsa, 6.IV.1986, 4 ♀1juv. ♀, No. 117, leg. P. B.

Greece. Peloponnesos, Laconia, Mystras, 18.IX.1983, 2 ♀, No. 68, leg. P. Beron & V. Beshkov; Thessaly, Mt. Olympus, 1700 m, 17.IX.1974, 1♂, No. 55, leg. P. Beron & V. Beshkov; Macedonia, Drama District, Xiropotamos, 10.IV.1993, 2 ♀, No. 153, leg. P. B.; Thrace, Evros District, Avas, 17.V.1987, 1♂2 ♀, No. 168, leg. P. B.; Thrace, Evros District, Essimi, 18.V.1987, 1 ♀, No. 162, leg. P. B.; Kythira, Miteta, 28.IV.1984, 1♂1 ♀, No. 164, leg. P. B.; Kythira, Mylopotamos, 27.IV.1987, 1♂2 ♀, No. 169, 9.V.1987, 2 ♀, No. 161, leg. P. B.; Paros, Marathi, cave – marble quarry, 23.XII.1982, 1♂1 ♀, No. 58, leg. P. Beron & S. Andreev; Iraklia, small cave, 15.IX.1981, 1♂, No. 61, leg. P. Beron & A. Bartsiokas; Amorgos, Katapola, 13.IX.1981, 1♂, No. 1, leg. P. Beron & A. Bartsiokas; Kasos, Stylokamara Cave, 6.V.1984, 1juv. ♂, No. 69, leg. P. B.; Karpathos, Archangel Michail, 1000 -1215 m, 4.V.1984, 1♂, No. 98, leg. P. B.; Crete, Lefka Ori, 1500 m, 25.IX.1974, 1♂1 ♀, No. 40, leg. P. B.; Crete, Lefka Ori, 2200 m, 25.IX.1974, 1juv. ♂, No. 41, leg. P. B.; Crete, Psiloritis, 1600-2000 m, 11.V.1984, 1♂1 ♀1juv. ♀, No. 115, leg. P. B.; Crete, Rethymnon District, Melidoni, 14.I.1968, 2juvs. ♀, No. 56, leg. P. B. **Turkey**, Distr. Beysehir, Dedegöl Mts. Düdeni Yayla, v. Dumanli, 2000 - 2200 m, 8.VII.1993, 5♂4 ♀1juv., leg. P. B., No. 149.

Fam. Hormuridae (= Liochelidae Fet et Bechly, 2001 = Hemiscorpiidae)

Hadogenes troglodytes (Peters, 1862)

Zimbabwe, Great Zimbabwe ruins, 20.VIII.1983, 1♂, 1 ♀, 5 juvs, leg. P. Beron & V. Beshkov, No. 83.

Hadogenes cf. troglodytes (Peters, 1862)

?, 2 ♀ ♀ no location.

Iomachus politus Pocock, 1896

Mozambique, Provincia Maputo, Catuane, 24.VI.1983, 1 juv., leg. P. Beron & V. Beshkov, No. 65; Provincia Cabo Delgado, Mazeze, near Pemba, 1.VII.1983, 1 ♀ (im), leg. P. Beron & V. Beshkov, No. 72; Provincia Cabo Delgado, Stream, 40 km from Pemba, 3.VII.1983, 1 ♀, leg. P. Beron, No. 67; Provincia Cabo Delgado, 100 km from Pemba, 16.VI.1983, 1 ♀, leg. P. Beron, No. 79; Provincia Cabo Delgado, 10 km N from Mecufi, 24.VII.1983, 3 ♀, 2 juvs, leg.

P. Beron & V. Beshkov, Nos 74, 80 and 81; Provincia Cabo Delgado, 94 km from Pemba, 28.VII.1983, 1 ♀, 3 juvs, leg. P. Beron, Nos 70 and 76.

Liocheles australasiae (Fabricius, 1775)

Indonesia, Sumatra, Sibolga, 14.V.1994, 1S, 5 juvs, leg. P. Beron & V. Beshkov, No. 183; Nias I. (N. Sumatra), Teluk Dalam, sea level, 19.V.1994, 3 ♀, 1 im. ♀, leg. P. Beron & V. Beshkov; Flores, Borong, 21.VI.1994, sub cort., 1 ♀, leg. P. Beron & V. Beshkov; Sumba, 11 km SW Waingapu, 26.VI.1994, 1 ♀, 1 juv., leg. P. Beron & V. Beshkov, No. 174; West Sumatra Lemban Anai Nat. Reserve, near Bukittinggi, 300 - 400 m, 14.VIII.1995, 1S, leg. P. Beron & T. Ivanova; Mentawai islands, Siberut Island, Muarasiberut, 0 - 150 m, 15.-20.VIII.1995, 3S, leg. P. Beron & T. Ivanova, No. 181; Sulawesi Selatan Tana Toraja, v. Balik, 700 - 800 m, 6.IX.1995, 6S, 4 juvs, leg. P. Beron & T. Ivanova, Nos 172 and 179; Sulawesi, Tengah, v. Selugan, 20 km from Toli-Toli, 150 - 200 m, 13.IX.1995, 9S, leg. P. Beron & T. Ivanova, No. 175; Timur Nunukan 1, rain forest, 15 -17.IX.1995, 2S, leg. P. Beron & T. Ivanova, No. 177. **Malaysia**, Sabah, Kota Kinabalu, a hill near the town, 23.IX.1995, 1S, leg. P. B., No. 184. **Papua New Guinea**, New Ireland, v. Kolonboboi, 21.XI.1975, 1 ♀, 1 im., leg. P. B., No. 347; New Ireland, v. Kolonboboi, 23.XI.1975, 1 ♀, 1 im., leg. P. B., No. 332; New Ireland, Sillom Village, litter, 28.XI.1975, 2 ♀ ♀, leg. P. B., No. 349; New Ireland, Lamerica Plantion, 28.XI.1975, 3 ♀ ♀, leg. P. B., No. 330; New Ireland, Lelet Plateau, v. Lenkamin, 820 m, 2.XII.1975, 1 ♀, leg. P. B., No. 335; New Ireland, between Kaluan I and Kaluan II, 200-800 m, 4.XII.1975, 1 ♀, leg. P. B., No. 331. **Thailand**, Phang Nga, 19.XI.1984, 1, leg. P. Beron & St. Andreev, No. 100. **Vietnam**, Prov. Quang Ninh Camo at Vinh Ha Long (Halong hotel), 28.II.1989, 2 ♀, 1 im., leg. P. Beron & D. Kojucharov, No. 150.

Liocheles nigripes (Pocock, 1897)

Thailand, Phuket town, 16.XI.1984, 1 ♀ im., leg. P. Beron & St. Andreev, No. 101; Phuket town, Tonesai Waterfall, 17.XI.1984, 1 ♀, leg. P. Beron & St. Andreev, No. 104.

Liocheles waigiensis (Gervais, 1843)

Papua New Guinea, New Ireland, v. Kolonboboi, 21.XI.1975, 1 ♀, leg. P. Beron, No. 346; New Ireland, v. Karu, under stones, 26.XI.1975, 1 ♀, leg. P. Beron, No. 328; New Ireland, v. Limbin, ca 500 m, 30.XI.1975, 4 ♀ ♀, leg. P. B., No. 336.

Opisthacanthus (Nepabellus) cf. asper (Peters, 1862)

Mozambique, Provincia Maputo, Namaacha, 7.VIII.1983, 1♂, 9 ♀ ♀, 16 juvs, leg. P. Beron & V. Beshkov, Nos 66, 85, and 155. ?, 1 ♀, 2juvs.

Hemiscorpius lepturus Peters, 1862

Iran, 10 km S of Firuz Abad, 20-21.4.2000, alt.1412 m, J. Sobotnik leg.

Fam. Iuridae Thorell, 1876

Hadruroides lunatus (L. Koch, 1867)

Peru, Cordillera Blanca, Huaraz, 1979, 1♂, 1 ♀, 3 juvs, leg. P. B.

Iurus asiaticus Birula, 1903

Turkey, Distr. Beysehir, Dedegöl Mts. Düdeni Yayla, v. Dumanli, 1600 - 1800 m, 4-9.VII.1993, 2♂♂, leg. P. B., No. 131; Distr. Beyşehir, v. Çamlık, 11.VII.1993, 1 im., leg. P. B., No. 171.

Iurus dufourei (Brullé, 1832)

Greece, Peloponnesos, Laconia, Mystras, 18.IX.1983, 1♂, 1 ♀, No. 68, leg. P. Beron & V. Beschkov; Kasos, Stylokamara Cave, 6.V.1984, 1 ♂, No. 96, leg. P. B.; Rhodes, Archangelos, 2.V.1987, 1 ♀, No. 158, leg. P. B.

Fam. Caraboctonidae

Caraboctonus keyserlingi Pocock, 1893

Chile, Santiago Prov., X. 1995, El Colpo, A. Ugarte leg., F. Kovařík det.

Fam. Scorpionidae Peters, 1862

Heterometrus (Javanimetrus) cyaneus (C. L. Koch, 1836)

Indonesia, Java, Bogor, The Botanical Garden, ca 300 m, 26.VIII.1995, 3 ♀, 5 im., 4 juvs, leg. P. Beron et T. Ivanova.

Heterometrus (Heterometrus) liophysa (Thorell, 1888)

Indonesia, Mentawai islands, Siberut Island, Muarasiberut, 0 - 150 m, 15-20.VIII.1995, 2 juvs, leg. P. Beron & T. Ivanova, Nos 180 and 182;

Heterometrus (Heterometrus) longimanus (Herbst, 1800)

Indonesia, Timur Nunukan 1 ♀, rain forest, 15 -17.IX.1995, 1 ♀, 2 juvs, leg. P. Beron & T. Ivanova, No. 177.

Heterometrus (Heterometrus) spinifer (Ehrenberg, 1828)

Thailand, Phang Nga, 18.XI.1984, 1 juv. after 3rd ecdysis, leg. P. Beron & St. Andreev, No. 102; Phang Nga, 19.XI.1984, 2 juvs after 2nd ecdysis, leg. P. Beron & St. Andreev, No. 100.

Scorpio maurus Linné, 1758

Algeria, Sahara, Ruslan, 1 ♀, leg. Zahariev.

Tunisia, St. No2. 5.3.2008, NW Tunisia, Bizerta Distr., Sejenane (10 km of Nefza), slope, N. Akkari, P. Stoev leg. (V. Fet det.)

Fam. Vaejovidae Thorell, 1876

Vaejovis cf. intermedius Borelli, 1915

Mexico, v. Tlachichuca (near Pico de Orizaba), 12.I.1982, 1 ♀, leg. P. Beron, No. 29.

List of the specimens mounted in glass cylinders

1. *Scorpio maurus* – Tunisia
2. Scorpion from South Italy, 01.08.1929, gift from Berlin Museum
3. *Androctonus australis* – Qued Cherchara, 1905, Tunisia
4. *Euscorpius* sp. – Bulgaria, Rhodopes, Assenova krepост, 25.07.1931, I. Buresch and Y. Tsonkov leg.
5. “*Buthus* sp.” Ispahan, Iran, 01.08.1929, B. Kurzius leg.
6. *Scorpio maurus* - Qued Cherchara, 1905, Tunisia
7. “*Buthus* sp.” - Tehran, Iran, 15.09.1929, B. Kurzius leg.
8. “*Buthus* sp.” – Egypt, Luxor, 30.03.1927, Iv. Buresch leg.
9. *Buthus gibbosus* (Buresch det.) – 3 km S of Veles, Macedonia, 5.05.1943, I. Buresch and B. Biacheva leg.
10. idem
11. *Centruroides infamatus* – 29.05.1929, Tucson, Arizona, Prof. J.C. Uphov
12. idem
13. Scorpion indet., Iran, Tehran, 20.08.1932, I. Buresch leg.
14. Scorpion indet., Transvaal, South Africa, Vall de Molapo, E. Holub leg.
15. “*Buthus europaeus*” 1.8.1929, South Italy (donated by Berlin Museum)
16. *Buthus gibbosus* (Buresch det.) – 3 km S of Veles, Macedonia, 5.05.1943, I. Buresch and B. Biacheva leg.
17. *Euscorpius* sp. – v. Bukovets, nr. Byala Slatina, 21.05.1938, I. Buresch leg.
18. *Euscorpius* sp. (“*carpathicus*”), v. Brestnitsa nr Sveti Vrach [Sandanski], 24.07. 1930, Y. Tsonkov leg.
19. Scorpion indet., (“*Buthus*”), 30.03.1927, Egypt, Luxor, I. Buresch leg.
20. *Buthus gibbosus* (Buresch det.) – 3 km S of Veles, Macedonia, 5.05.1943, I. Buresch and B. Biacheva leg.
21. *Euscorpius* sp., Alibotush Planina [Slavyanka], 1400 m, 7.06.1935, P. Drenski leg.
22. “*Scorpio* sp.” 15.09.1932, Iran, Tehran, B. Kurzius leg.

References

- FET V. 2000. Scorpions (Arachnida, Scorpiones) from the Balkan Peninsula in the collection of the National Museum of Natural History, Sofia. – *Historia naturalis bulgarica*, **11**: 47-60.
- FET V., SOLEGLAD M.E. 2002. Morphology analysis supports presence of more than one species in the “*Euscorpius carpathicus*” complex (Scorpiones: Euscorpiidae). – *Euscorpius*, **3**: 1-51.
- FET V., GRAHAM M.R., WEBBER M.M., BLAGOEV G. 2014a. Two new species of *Euscorpius* (Scorpiones: Euscorpiidae) from Bulgaria, Serbia, and Greece. – *Zootaxa*, **3894**(1): 83-105.
- FET V., SOLEGLAD M. E., PARMAKELIS A., KOTSAKIOZI A., STATHI I. 2014b. Two new species of *Euscorpius* from Euboea Island, Greece (Scorpiones: Euscorpiidae). – *Arthropoda Selecta*, **23**(2): 111-126.
- TROPEA G., FET V., PARMAKELIS A., KOTSAKIOZI A., STATHI I. 2015a. A new species of *Euscorpius* (Scorpiones: Euscorpiidae) from southern Bulgaria. – *Arachnologische Mitteilungen*, **49**:10-20.
- TROPEA G., FET V., PARMAKELIS A., KOTSAKIOZI A., STATHI I. 2015b. A new species of *Euscorpius* from Bulgaria and Greece (Scorpiones: Euscorpiidae). – *Euscorpius*, **207**: 1-15.

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Скорпионите (Arachnida: Scorpiones) в колекциите на Националния природонаучен музей в София, България

Франтишек КОВАРЖИК, Петър БЕРОН

(Резюме)

В Националния природонаучен музей в София се палят представители на 61 вида скорпиони от 34 рода и 10 семейства (Bothriuridae, Buthidae, Chaerilidae, Diplocentridae, Euscorpiidae, Hormuridae (= Ischnuridae, Liochelidae, Hemiscorpiidae), Juridae, Caraboctonidae, Scorpionidae, Vaejovidae). Те са събирани главно от П. Берон, а също и от Вл. Бешков, Т. Иванова, Б. Петров, П. Стоев, Ст. Бешков, Ив. Буреш, Й. Цонков, Д. Папазов, П. Дренски, Кр. Тулешков, Р. Reveillet, Н. Coiffait, К. Маринчева и др. от 35 страни: България, Македония, Албания, Ромъния, Гърция, Черна гора, Турция, Италия (вкл. Сардиния), Франция (вкл. Корсика), САЩ, Мексико, Куба, Доминиканската република, Перу, Чили, Боливия, Еквадор, Алжир, Мароко, Тунис, Египет, Нигерия, Мозамбик, Танзания, Замбия, Зимбабве, Южна Африка, Индонезия, Иран, Китай, Малайзия, Непал, Тайланд, Афганистан и Папуа Нова Гвинея. В колекцията на НПМ (София) са депозираны холотипове или паратипове на видовете *Euscorpius beroni* Fet (hol. et par.), *E. deltshevi* Fet et al. (hol. et par.), *E. solegladi* Fet et al. (hol. et par.), *E. birulai* Fet et al. (hol. et par.), *E. drenskii* Tropea et al. (hol. et par.), *E. popovi* Tropea et al. (hol. et par.), *Chaerilus tyznai* Kovařík (par.). Материалът е определен от F. Kovařík, V. Fet and M. Soleglad, а колекцията е комплектована от П. Берон.