FOLIA ENTOMOLOGICA HUNGARICA
ROVARTANI KÖZLEMÉNYEK
Volume 64 2003 pp. 85–94.

A revised check-list of Orthoptera-species of Hungary supplemented by Hungarian names of grasshopper species

B. NAGY

Abstract: A revised check-list of Orthoptera-species for Hungary is given with a short historical background and comments on problematic occurrences. The check-list for the first time contains the Hungarian names of grasshopper taxa. Species being officially under nature conservancy status are also indicated.

Key words: faunistic survey, Hungarian names, species under nature conservation, Hungary

The first monography on the "*Orthopterorum Hungariae*" was published by Frivaldszky (1867), however, earlier a restricted check-list on "*Gryllorum Hungariae* ..." had been given by Ocskay (1826). In the very often cited standard work: "*Fauna Regni Hungariae*" – planned originally to be publised at the Millenium of Hungary – Pungur (1918, in reality in 1899) published a comprehensive check-list of the Orthoptera. This list contains, beside the grasshoppers, also forficulids, blattids, mantids and phasmids, too. All these works relate to the so called "historical Hungary", which comprised the entire Carpathian Basin until 1920. The monograph of Redtenbacher (1900) generally hardly contains detailed places of occurrences for Hungary. Meanwhile, Herman (1871) also published a fundamental check-list of Orthoptera (and Dermaptera), but only for Transylvania, which was that time in reality the southeastern part of Hungary (and of the Carpathian Basin).

The check-lists of the Orthoptera species for the present territory of Hungary was published by Kisbenedek (1997) and Rácz (1998). Because of some problematical items of these check-lists (see signed with an asterisk (*) in the "Remarks": which is based on the up-to-date nomenclature and taxonomy published recently by Heller *et al.* (1998), it seems necessary to give a revised check-list of the Hungarian Orthoptera fauna. This revised check-list contains the (suggested official) Hungarian names of the grasshopper species, as well. At the same time, the species being under nature conservation status in Hungary were also indicated (bold-

faced). An asterisk (*) at the serial numbers of the species (Table 1) refers to comments and addenda placed under the Table. The most frequently used synonyms are also mentioned (in brackets).

The present check-list does not contain those species mentioned by Pungur (1899/1918) from the center of the Carpathian Basin, which were not detected for more than a hundred years: *Bradyporus dasypus* (Illiger, 1800), *Callimenus oniscus* (Burmeister, 1838), *Onconotus servillei* Fischer de Waldheim, 1846 and *Oedipoda miniata* (Pallas, 1771).

Table 1. A revised check-list of the Orthoptera species of Hungary supplemented by Hungarian names of the grasshopper species. (Boldfaced figures: species under nature conservancy in Hungary)

Nr.	Scientific name	Hungarian name
	Ensifera	Tojócsöves egyenesszárnyúak
	Tettigonioidea	Szöcske-szerűek
	Bradyporidae	Pozsgócok
	Ephippigerinae	Nyergesszöcske-formák
1	*Ephippiger ephippiger* (Fiebig, 1784) (*Ephippigera vitium*)	Nyergesszöcske
	Conocephalidae	Kúpfejű szöcskék
	Conocephalinae	Kúpfejűszöcske-formák
2	*Conocephalus discolor* Thunberg, 1815 (*C. fuscus*)	Kis kúpfejűszöcske
3	*Conocephalus dorsalis* (Latreille, 1804)	Sarlós kúpfejűszöcske
	Copiphorinae	Nagykúpfejűszöcske-formák
4	*Ruspolia nitidula* (Scopoli, 1786) (*Homocoryphus mandibularis*)	Nagy kúpfejűszöcske
	Meconematidae	Dobolószöcskék
5	*Meconema meridionale* A. Costa, 1860	Déli dobolószöcske
6	*Meconema thalassinum* (De Geer, 1773)	Dobolószöcske (néma szöcske)
	Phaneropteridae	Lomha szöcskék
7	*Barbitistes constrictus* Brunner von Wattenwyl, 1878	Északi málnaszöcske
8	*Barbitistes serricauda* (Fabricius, 1798)	Málnaszöcske
9	*Isophya brevipennis* Brunner von Wattenwyl, 1878	Kárpáti tarsza
10	*Isophya costata* Brunner von Wattenwyl, 1878	Magyar tarsza

Nr.	Scientific name	Hungarian name
*11	*Isophya kraussii* Brunner von Wattenwyl, 1878 (p.p. *I. pyrenaea*)	Erdei tarsza
12	*Isophya modesta* (Frivaldszky, 1867)	Szerény tarsza
13	*Isophya modestior* Brunner von Wattenwyl, 1882	Illír tarsza
14	*Isophya stysi* Cejchan, 1957	Stys-tarsza
15	*Leptophyes albovittata* (Kollar, 1833)	Közönséges virágszöcske
16	*Leptophyes boscii* Fieber, 1853	Sárgászöld virágszöcske
17	*Leptophyes discoidalis* (Frivaldszky, 1867)	Erdélyi virágszöcske
18	*Leptophyes punctatissima* (Bosc, 1792)	Rőthátú virágszöcske
19	*Phaneroptera falcata* (Poda, 1761)	Zöld repülőszöcske
20	*Phaneroptera nana* Fieber, 1853 (*Ph. quadripunctata*)	Pontozott repülőszöcske
*21	*Poecilimon fussii* Brunner von Wattenwyl, 1878	Fuss-pókszöcske
22	*Poecilimon intermedius* (Fieber, 1853)	Keleti pókszöcske
23	*Poecilimon schmidtii* (Fieber, 1853)	Schmidt-pókszöcske
24	*Polysarcus denticauda* (Charpentier, 1825) (*Orphania d.*)	Fogasfarkú szöcske
	Tettigoniidae Saginae	Fürgeszöcske Fűrészlábú szöcske-formák
25	*Saga pedo* (Pallas, 1771) (*S. serrata*)	Fűrészlábú szöcske
	Tettigoniinae	Fürgeszöcske-formák
26	*Decticus verrucivorus* (Linnaeus, 1758)	Szemölcsevő szöcske
27	*Gampsocleis glabra* (Herbst, 1786)	Tőrös szöcske
28	*Metrioptera (Metrioptera) bicolor* (Philippi, 1830) (*Bicolorana b.*)	Halványzöld rétiszöcske
29	*Metrioptera (Metrioptera) brachyptera* (Linnaeus, 1761)	Sötétzöld rétiszöcske
30	*Metrioptera (Metrioptera) roeselii* (Hagenbach, 1822) (*Roeseliana r.*)	Roesel-rétiszöcske
31	*Pachytrachis gracilis* (Brunner von Wattenwyl, 1861)	Karcsú szöcske
32	*Pholidoptera aptera* (Fabricius, 1793)	Nagy avarszöcske
33	*Pholidoptera fallax* (Fischer, 1853)	Galléros avarszöcske
34	*Pholidoptera griseoaptera* (De Geer, 1773) (*Ph. grisea*)	Szürke avarszöcske
35	*Pholidoptera littoralis* (Fieber, 1853) (*Ph. similis*)	Bujkáló avarszöcske
36	*Pholidoptera transsylvanica* (Fischer, 1853)	Erdélyi avarszöcske
37	*Platycleis (Montana) montana* (Kollar, 1833)	Homokpusztai szöcske

Nr.	Scientific name	Hungarian name
38	*Platycleis (Platycleis) affinis* Fieber, 1853 (*Metrioptera a.*)	Púposhasú rétiszöcske
*39	*Platycleis (Platycleis) albopunctata* (Goeze, 1778) (*P. grisea*)	Szürke rétiszöcske
40	*Platycleis (Tessellana) vittata* (Charpentier, 1825) (*P. veyseli*)	Sávos rétiszöcske
41	*Pterolepis germanica* (Herrich-Schäffer, 1840) (*Rhacocleis g.*)	Német szöcske
42	*Tettigonia cantans* (Füssli, 1775)	Éneklő lombszöcske
43	*Tettigonia caudata* (Charpentier, 1842)	Farkos lombszöcske
44	*Tettigonia viridissima* Linnaeus, 1758	Zöld lombszöcske
	Rhaphidiophoroidea Rhaphidiophoridae Rhaphidiophorinae	Barlangiszöcske-szerűek Barlangi-szöcskék Barlangiszöcske-formák
*45	*Tachycines asynamorus* Adelung, 1902	Üvegházi szöcske
	Grylloidea Gryllidae Gryllinae	Tücsökszerűek Tücskök Feketetücsök-formák
46	*Acheta domesticus* (Linnaeus, 1758)	Házi tücsök
47	*Eumodicogryllus bordigalensis* (Latreille, 1804) (*Tartarogryllus b.*)	Bordói tücsök
48	*Gryllus campestris* Linnaeus, 1758	Mezei tücsök
49	*Melanogryllus desertus* (Pallas, 1771)	Fekete tücsök
50	*Modicogryllus frontalis* (Fieber, 1844)	Homlokjegyes tücsök
	Nemobiinae	Mocsáritücskök-formák
*51	*Pteronemobius heydenii* (Fischer, 1853) (*P. concolor*)	Mocsári tücsök
	Oecanthinae	Pirregőtücskök-formák
52	*Oecanthus pellucens* (Scopoli, 1763)	Pirregőtücsök (őszike)
	Gryllotalpidae	Lótücskök
53	*Gryllotalpa gryllotalpa* (Linnaeus, 1758) (*G. vulgaris*)	Lótücsök
	Myrmecophilidae	Hangyász tücskök
54	*Myrmecophilus acervorum* (Panzer, 1799)	Hangyásztücsök
	Caelifera	Tojókampós egyenesszárnyúak,
	Tetrigoidea Tetrigidae	Tövishátú sáska-szerűek Tövishátúsáskák
55	*Tetrix bipunctata* (Linnaeus, 1758)	Kétpettyes tövishátú sáska
56	*Tetrix bolivari* Saulcy, 1901	Bolivar-tövishátú sáska

Nr.	Scientific name	Hungarian name
57	*Tetrix ceperoi* (Bolívar, 1887)	Délnyugati tüskehátú sáska
58	*Tetrix subulata* (Linnaeus, 1758)	Közönséges tövishátú sáska
59	*Tetrix tenuicornis* Sahlberg, 1893 (*T. nutans*)	Vékonycsápú tövishátú sáska
*60	*Tetrix tuerki* (Krauss, 1876)	Türk-tövishátú sáska
61	*Tetrix undulata* (Sowerby, 1806)	Ligeti tövishátú sáska
	Tridactyloidea Tridactylidae Tridactylinae	Ásósáska-szerűek Ásósáskák Ásósáskaformák
62	*Xya pfaendleri* (Harz, 1970) (*Tridactylus p.*)	Pfaendler-ásósáska
63	*Xya variegata* Latreille, 1809 (*Tridactylus v.*)	Ásósáska
	Acridoidea Acrididae, Acridinae	Sáskaszerűek (sáskák), Sisakossáska-formák
64	*Acrida ungarica* (Herbst, 1786) (*A. hungarica*)	Sisakos sáska
	Calliptaminae	Olaszsáska-formák
65	*Calliptamus barbarus* (Costa, 1836)	Homoki olaszsáska
66	*Calliptamus italicus* (Linnaeus, 1758)	Olaszsáska
67	*Paracaloptenus caloptenoides* (Brunner von Wattenwyl, 1861)	Ál-olaszsáska
	Catantopinae	Hegyisáska-formák
*68	*Miramella alpina* (Kollar, 1833) (*Podisma a.*)	Alpesi sáska
69	*Odontopodisma decipiens* Ramme, 1951	Déli hegyisáska (olajzöld h.)
70	*Odontopodisma rubripes* Ramme, 1931	Erdélyi hegyisáska
71	*Odontopodisma schmidtii* (Fieber, 1853)	Schmidt-hegyisáska
72	*Pezotettix giornae* (Rossi, 1794)	Kis hegyisáska
73	*Podisma pedestris* (Linnaeus, 1758)	Tarka hegyisáska
*74	*Pseudopodisma nagyi* Galvagni et Fontana, 1996 (*P. fieberi*)	Nagy-hegyisáska
	Gomphocerinae	Karcsúsáska-formák
75	*Arcyptera fusca* (Pallas, 1773)	Szép hegyisáska
76	*Arcyptera microptera* (Fischer de Waldheim, 1833) (*Pararcyptera m.*)	Sztyepplejtősáska
*77	*Chorthippus albomarginatus* (De Geer, 1773) (*Ch. elegans*)	Csinos rétisáska

Nr.	Scientific name	Hungarian name
78	*Chorthippus apricarius* (Linnaeus, 1758) (*Glyptobothrus a.*)	Szélesszárnyú tarlósáska
*79	*Chorthippus biguttulus* (Linnaeus, 1758) (*Glyptobothrus b.*)	Zengő tarlósáska
80	*Chorthippus brunneus* (Thunberg, 1815) (*Glyptobothrus b.*)	Közönséges tarlósáska
*81	*Chorthippus dichrous* (Eversmann, 1859)	Vállas rétisáska
82	*Chorthippus dorsatus* (Zetterstedt, 1821)	Hátas rétisáska
83	*Chorthippus mollis* (Charpentier, 1825) (*Glyptobothrus m.*)	Halk tarlósáska
84	*Chorthippus montanus* (Charpentier, 1825)	Lápréti sáska
*85	*Chorthippus oschei* Helversen, 1986 (p.p. *Ch. elegans*)	Oschei-rétisáska
86	*Chorthippus parallelus* (Zetterstedt, 1821)	Közönséges rétisáska
87	*Chorthippus vagans* (Eversmann, 1848) (*Glyptobothrus v.*)	Bolygó tarlósáska
88	*Chrysochraon dispar* (Germar, 1834)	Aranyos sáska
89	*Dociostaurus brevicollis* (Eversmann, 1848) (*D. crucigerus b.*)	Rövidnyakú sáska (Csíkosarcú s.)
90	*Dociostaurus maroccanus* (Thunberg, 1815) (*Stauronotus m.*)	Marokkói sáska
*91	*Euchorthippus declivus* (Brisout de Barneville, 1849)	Rövidszárnyú rétisáska
92	*Euchorthippus pulvinatus* (Fischer de Waldheim, 1846)	Karcsú rétisáska
93	*Euthystira brachyptera* (Ocskay, 1826) (*Chrysochraon b.*)	Smaragdzöld sáska
94	*Gomphocerippus rufus* (Linnaeus, 1758) (*Gomphocerus r.*)	Erdei bunkóscsápúsáska
95	*Myrmeleotettix antennatus* (Fieber, 1853) (*Gomphocerus a.*)	Homoki bunkóscsápúsáska
96	*Myrmeleotettix maculatus* (Thunberg, 1815) (*Gomphocerus m.*)	Kis bunkóscsápúsáska
97	*Omocestus haemorrhoidalis* (Charpentier, 1825) (*Dirshius h.*)	Barna tarlósáska
98	*Omocestus petraeus* (Brisout de Barneville, 1856) (*Dirshius p.*)	Szőke tarlósáska
99	*Omocestus rufipes* (Zetterstedt, 1821) (*O. ventralis*)	Vöröshasú tarlósáska
100	*Omocestus viridulus* (Linnaeus, 1758)	Zöld tarlósáska
101	*Stauroderus scalaris* (Fischer de Waldheim, 1846)	Hangos hegyisáska
102	*Stenobothrus crassipes* (Charpentier, 1825)	Rövidszárnyú rétisáska (Szárnyatlan r.)
***103**	*Stenobothrus eurasius* Zubovskii, 1898	Eurázsiai sztyepprétisáska
104	*Stenobothrus fischeri* (Eversmann, 1848)	Fischer-rétisáska
105	*Stenobothrus lineatus* (Panzer, 1796)	Jajgató rétisáska

Nr.	Scientific name	Hungarian name
106	*Stenobothrus nigromaculatus* (Herrich-Schäffer, 1840)	Sztyeppréti sáska
107	*Stenobothrus stigmaticus* (Rambur, 1838)	Kis rétisáska
	Oedipodinae	Vaskossáska-formák
108	*Acrotylus insubricus* (Scopoli, 1786)	Önbeásósáska
109	*Acrotylus longipes* (Charpentier, 1845)	Hosszúlábú önbeásósáska
110	*Aiolopus strepens* (Latreille, 1804)	Déli áttelelősáska
111	*Aiolopus thalassinus* (Fabricius, 1781)	Tengerzöld sáska
112	*Celes variabilis* (Pallas, 1771)	Szerecsensáska
***113**	*Epacromius coerulipes* (Ivanov, 1887)	Sziki sáska
***114**	*Epacromius tergestinus* (Charpentier, 1825)	Pontuszi sáska
115	*Locusta migratoria* Linnaeus, 1758	Keleti vándorsáska
116	*Mecostethus parapleurus* (Hagenbach, 1822) (*Parapleurus alliaceus*)	Hagymazöld sáska
117	*Oedaleus decorus* (Germar, 1826) (*O. nigrofasciatus*)	Szalagos sáska
118	*Oedipoda caerulescens* (Linnaeus, 1758)	Kékszárnyú sáska
119	*Psophus stridulus* (Linnaeus, 1758)	Kerepelősáska
120	*Sphingonotus caerulans* (Linnaeus, 1767)	Homokszínű sáska
121	*Stethophyma grossum* (Linnaeus, 1758) (*Mecosthetus grossus*)	Tundrasáska

REMARKS

**/ Proposed corrections to the check-list of Kisbenedek (1997):*

Apart from some synonymic problems (e.g. with *Isophya pyrenaea*, *Poecilimon matisi*, *Chorthippus albomarginatus*), the species: *Poecilimon affinis*, *Pholidoptera frivaldszky*, and *Tesselana tesselata* must be omitted from the list, because these do not occur in Hungary. However, other species, being detected earlier (*Leptophyes discoidalis*, *Tachycines asynamorus*, *Acheta domestica*, *Tetrix ceperoi*, *T. bolivari*, *Odontopodisma schmidtii*), are missing from the list.

Proposed corrections to the check-list of Rácz (1998):

According to our present knowledge the following taxa do not occur in Hungary: *Poecilimon affinis* (Frivaldszky, 1876) (sic!), in reality: 1867, *Nemobius sylvestris* (Bosc, 1972 (sic!), in reality: 1792, *Pseudopodisma fieberi* (Scudd, 1897) (sic!) in reality: (Scudder, 1898), *Chorthippus pullus* (Philippi, 1830), *Chortippus eisentrauti*, Ramme, 1931, *Chortippus loratus* (Fischer de Waldheim, 1864) (sic!), in reality: 1846). The majority of these species might got into the (newer) check-lists from those old data of occurrences, which became (after 1920) outside of the present Hungarian territory. The species *Epacromius tergestinus* (Charpentier, 1825) should be mention conditionally, too. However, the following taxa should be added to Rácz's check-list, because their occurrences had been earlier verified: *Isophya brevipennis* Brunner von Wattenwyl, 1878, *Tetrix ceperoi* (Bolivar, 1887), *Tetrix bolivari* Saulcy, 1901. Some further remarks may be found below.

*11 The taxonomical relationship (and dispersion) between *Isophya kraussii*, *I. pyrenaea* (Serville, 1839) and *I. camptoxypha* (Fieber, 1853) are not sufficiently clarified.

*21 *Poecilimon brunneri* Frivaldszky, 1867 (Brunner-pókszöcske) – a closely related species of *P. fussii* – was discovered as a new taxon for Hungary (and for Central Europe, too) after closing this check-list (Nagy 2003).

*39 In Hungary – presumably – it is represented by the eastern subspecies (?) *Platycleis (albopunctata) grisea* (Fabricius, 1781), but it needs further clarification.

*45 We have no new records since many decades. It might be very restricted in distribution or even became extinct (?), supposedly because of the increasing use of pesticides in greenhouses.

*51 Related species, *Nemobius sylvestris* (Bosc, 1792) was omitted from the present list, because it has not been detected since 1867.

*60 *T. tuerki* needs confirmation for Hungary because of some dubious data.

*68 According to Nadig (1989), specimens from the "Günsergebirge" (at the Austro-Hungarian border) show an intermediary position between *Miramella alpina* and *M. irena* Fruhstorfer, 1921. It needs further investigations.

*74 Accepting *Pseudopodisma nagyi* as a separate taxon, the close relative, mostly southern *P. fieberi* (Scudder, 1897) seems to be illogically mentioned in the Hungarian check-list (see Kisbenedek 1997, Rácz 1998).

*77 The relationship of *Ch. albomarginatus* and *C. oschei* needs clarification. The latter one seems to be more common in Hungary, while the former occurs, as presently known, in NW Hungary (K. M. Orci *pers. comm.*).

*79 In SE Europe, so in Hungary too, the taxon *Ch. biguttulus* is represented by ssp. *hedickei* Ramme, 1942.

*81 Several data of earlier authors from Hungary under the name *Ch. loratus* (Fischer de Waldheim, 1846) should relate to *Ch. dichrous*, *Ch. loratus* seems not to occur in the Carpathian Basin, therefore its placement in the Hungarian check-list is hardly justified (see Rácz 1998).

*85 See above (*77)

*91 Possible existence of subspecies is disputable. According to Kaltenbach (1970), the subspecies *Euchortippus declivus stichai* Maran, 1957 occurs in the entire Carpathian Basin, however Harz (1975) considers it as a synonym only.

*103 There are relatively vigorous, but disjunct populations of the *Stenobothrus eurasius* even in the entire range of the Hungarian Middle Mountain (Nagy 1974), but the existence of a possible subspecies was not investigated yet. Specimens from Niederösterreich (NE Austria) belong – according to Kaltenbach (1970) – to the subspecies *St. e. bohemicus* Maran, 1958. Another subspecies (*St. e. slovacus* Maran, 1958) was detected in the Slovakian Karst region (Maran 1958).

*113 The existence of the subspecies *Epacromius coerulipes pannonicus* Karny, 1908 is not generally accepted.

*114 Occurrence in Hungary needs confirmation because of older dubious data.

*

Acknowledgements – In the orthography of the Hungarian names L. Móczár, in the compilation of the table G. Puskás was helpful. Thanks are also due to Á. Szentesi and T. Jermy for linguistic corrections. The investigation was supported financially by the OTKA grant Nr. T025355.

REFERENCES

Frivaldszky, J. (1867) *A magyarországi egyenesröpűek magánrajza. (Monographia Orthopterorum Hungariae.)* Eggenberger, Pest, 201 pp.

Harz, K. (1975) *The Orthoptera of Europe II.* W. Junk, The Hague, 929 pp.

Heller, K.-G., Korsunovskaya, O., Ragge, D. R., Vedenina, V., Willemse, F., Zhantiev, R. D., Frantsevitch, L. (1998) Check-list of European Orthoptera. – *Articulata* (Beiheft) **7:** 1–61.

Herman, O. (1871) Die Dermapteren und Orthopteren Siebenbürgens. – *Verhandlungen und Mittheilungen des siebenbenbürgischen Vereins für Naturwissenschaften* **21:** 1–16.

Kaltenbach, A. (1970) Zusammensetzung und Herkunft der Orthopterenfauna im pannonischen Raum Österreich. – *Annales des Naturhistorisches Museum, Wien* **74:** 159–186.

Kisbenedek, T. (1997) Egyenesszárnyúak – Orthoptera. – In: Forró, L. (ed.): *Nemzeti Biodiverzitás-monitorozó Rendszer.* [National Biodiversity Monitoring System] **5:** 57–81.

Maran, J. (1957) Beitrag zur Kenntnis der europäischen Arten der Gattung Euchorthippus Tarb. (Orthoptera, Acrididae). – *Acta Entomologica Musei Nationalis Pragae* **31:** 183–190.

Maran, J. (1958) Über das Vorkommen Stenobothrus (Subg. Stenobothrodes Tarb.) eurasius Zub. in der Tschechoslovakei (Orthoptera – Arcrididae) – *Acta Entomologica Musei Nationalis Pragae* **32:** 537–543.

Nadig, A. (1989) Die in den Alpen, im Jura, in den Vogesen und im Schwarzwald lebenden Arten und Unterarten von Miramella Dovnar-Zap. (Orthoptera, Catantopidae) auf Grund Populationsanalytischer Untersuchungen. – *Atti dell'Accademia Roveretana degli Agiati* 238 (1988), s. VI. v. 28 (B): 101–284.

Nagy, B. (1974) Arealdynamik bei Insekten mit besonderer Rücksicht auf einige mitteleuropäische Saltatorien. – *Folia entomologica hungarica* (Suppl.) **27:** 191–199.

Nagy, B. (2003) A Brunner-pókszöcske (Poecilimon brunneri Frivaldszky, 1867; Orthoptera: Tettigonioidea) diszjunkt előfordulása a Kárpát-medence közepén (Disjunct occurrence of the Poecilimon brunneri Frivaldszky, 1867 in the centre of the Carpathian Basin). – *Állattani Közlemények* [in print]

Ocskay de Ocskő, F. (1826) Gryllorum Hungariae indigenerorum species aliquot. – *Acta nova academiae Caesareae Leopoldino-Carolinae, Naturae curiosorum* XIII./1. 407.

Pungur, G. (1918, in reality in 1899) Ordo Orthoptera. – In: *A Magyar Birodalom Állatvilága (Fauna Regni Hungariae) III. Arthropoda* – A K. M. Természettudományi Társulat, Budapest, pp. 1–16.

Rácz, I. A. (1998) Biogeographical survey of the Orthoptera Fauna in Central Part of the Carpathian Basin (Hungary). – *Articulata* **13:** 53–69.

Redtenbacher, J. (1900) *Die Dermatopteren und Orthopteren (Ohrwürmer und Geradflügler) Oesterreich-Ungarn und Deutschland.* C. Gerold's Sohn, Wien, 148 pp.

(*Received: 18*th April, 2003)

Author's address: Barnabás NAGY
Plant Protection Institute, Hungarian Academy of Sciences
H-1525 Budapest, P.O. Box 102.
Hungary
E-mail: nagybarnabas@julia-nki.hu