Published October 10, 2014 Klapalekiana, **50**: 109–110, 2014
ISSN 1210-6100

FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 360

Lepidoptera:

Coleophoridae

Coleophora scabrida Toll, 1959. Bohemia mer., Jickovice (6551), 24.v.2003, 1 ♂ (genitalia examined), F. Krampl leg., J. Marek det., G. Baldizzone revid., coll. National Museum, Praha. The unique specimen came to light in a xerothermic rocky forest-steppe on the right side of the Vltava river canyon. The light forest site with *Quercus, Corylus, Carpinus,* and *Pinus silvestris* trees has discontinuous undergrowth of other plants, including *Prunus spinosa*, *Cytisus scoparius*, *C. nigricans*, *Genista tinctoria*, *Calluna vulgaris*, *Silene* (s. l.) spp., *Campanula rotundifolia* and *Vaccinium myrtillus*, alternating with small bare sandy and stony places. The nominotypical subspecies of *C. scabrida* was originally described from Ochrid (Macedonia), in the same paper as its northern subspecies *C. scabrida polonica* Toll, 1959 from Czorsztyn, Pieniny Mts. (Poland), both taxa based on unique males. Our specimen clearly corresponds in its smaller size (wingspan 10.5 mm), colouration of forewing (substantially darker with nearly indistinct white lines along anal vein), male genitalia (narrower dorsocaudal process of sacculus) and similar sclerotized structures of the basal abdominal segments with *C. s. polonica*, also described and figured by Toll (1961). The validity of this subspecies has been questioned, but it was not synonymized (cf. Razowski 1990, Baldizzone et al. 2004), and the distinctions mentioned here seem to be clearly recognisable; perhaps comparison of more specimens from distant localities is necessary to confirm the status of the two taxa. Slovak, Czech and German (Saxonian) specimens are externally and geographically closest to ssp. *polonica* (cf. also Baldizzone et al. 2006). This case-bearing species is monophagous on *Herniaria glabra* (Caryophyllaceae) (Baldizzone 1979, Razowski 1990, Svensson 2001). It is probably widely distributed in Europe, hitherto known from Spain, France, Italy, former Yugoslavia, Germany, Poland, Slovakia, Hungary, Romania, southern Sweden and the Baltic Republics (Estonia, Latvia, Lithuania) (Razowski 1990, Baldizzone 1996, Gaedike & Heinicke 1999, Svensson 2001, 2002, Baldizzone et al. 2004). New species for the Czech Republic.

Coleophora glaseri Toll, 1961. Bohemia mer., Ražice near Písek, Řežabinec National Nature Reserve (6750), 30.vi.2001, 1 ♂ (genitalia examined), M. Samec leg. et coll., J. Marek det. The habitat is a rather dry moderate slope at the margin of light pine and oak forest (*Pinus sylvestris* and *Quercus robur*) with heliophilous herbs such as *Stellaria holostea*, *Cerastium arvense*, *Knautia arvensis*, *Hieracium pilosella*, *Luzula campestris* and various grasses. It is situated inside the small warm area of South Bohemia at the northwestern margin of the protected area. The species, the larva of which feeds monophagously on *Genista tinctoria* (Fabaceae), is distributed in Central Europe and Balkan Peninsula, hitherto known only from very scattered and rare occurrences in Austria, Czech Republic, Slovakia, Hungary and Bulgaria (Toll 1961, Marek & Gregor 1989, Baldizzone 1996). From the Czech Republic it was formerly known only from central Moravia, Ochoz near Brno (6766). Several specimens were reared from larvae found on the food plant in southern Slovakia, near Štúrovo (8177) (Marek & Gregor 1989). New species for Bohemia and probably the westernmost record for the species.

Noctuidae

Polyphaenis sericata (Esper, 1787). Bohemia mer., Ražice near Písek, Řežabinec National Nature Reserve (6750), 27.vii.2013, 1 ♂, at light, M. Samec leg., det. et coll. Widely distributed and common species in the Mediterranean area from the Iberian Peninsula (Spain) to the Black Sea (Crimea) with a slowly increasing tendency to expand in favourable years to Central Europe, but observations are very occasional and scarce; there are also a few records from Great Britain. In neighbouring countries it was reported from southern parts of Germany (Rheinland-Pfalz, Baden-Württemberg, Bayern) (Gaedike & Heinicke 1999), southeastern Austria (but also from Vorarlberg) (Malicky et al. 2000), southeastern Poland, Slovakia and Hungary (e.g. Nowacki 1998, Fibiger & Hacker 2007). In the Czech Republic it was recorded at only two localities in southeastern Moravia, at Luhačovice (6872–6972) in 1960 and in the Bílé Karpaty Mts. (7170) in 2007 (Šumpich et al. 2002, Laštůvka & Liška 2011). The polyphagous caterpillar feeds on various shrubs, such as *Lonicera xylosteum*, *Prunus* spp., *Ligustrum vulgare*, *Cornus mas* (Fibiger & Hacker 2007). New species for Bohemia.

BALDIZZONE G. 1979: Contribuzioni alla conoscenza dei Coleophoridae, XV. Il maschio di Coleophora brunneosignata Toll. La femmina l'astuccio larvale e la pianta alimentare di Coleophora scabrida Toll. (Contributions to the knowledge of Coleophoridae, XV. The male of Coleophora brunneosignata Toll. The female, the larval case and the foodplant of C. scabrida Toll.). *Entomologica* **15**: 115–119 (in Italian, English abstract). – BALDIZZONE G. 1996: Coleophoridae. Pp. 84–95. In: KARLSHOLT O. & RAZOWSKI J. (eds): *The Lepidoptera of Europe. A distributional checklist*. Apollo Books, Stenstrup, 380 pp. – BALDIZZONE G., TOKÁR., KOVÁCS Z. & KOVÁCS S. 2004: New records of Coleophoridae from Romania (Lepidoptera). *Beiträge zur Entomologie* **54**: 127–146. – BALDIZZONE G., VAN DER WOLF H. M. & LANDRY J.-F. 2006: *World Catalogue of Insects 8: Coleophoridae: Coleophorinae* (*Lepidoptera*). Apollo Books, Stenstrup, 215 pp. – FIBIGER M. & HACKER H. 2007: *Amphipyrinae – Xyleninae*. *Noctuidae Europaeae*, *volume 9*. Entomological Press, Sorø, 410 pp. – GAEDIKE R. & HEINICKE W. (eds) 1999: Verzeichnis der Schmetterlinge Deutschlands (Entomol. Germanica, Band 3). *Entomologische Nachrichten und Berichte* **5**: 1–216. – LAŠTŮVKA Z. & LIŠKA J. 2011: *Komentovaný seznam motýlů České republiky*. (*Annotated checklist of moths and butterflies of the Czech Republic*). Biocont Laboratory, Brno, 148 pp. (in Czech and English). – MALICKY M., HAUSER E., HUEMER P. & WIESER C. 2000: Verbreitungsatlas der Tierwelt Österreichs: Noctuidae sensu classico. *Stapfia* **74**: 3–278. – MAREK J. & GREGOR F. 1989: Faunistic Records from Czechoslovakia. Lepidoptera: Coleophoridae, Noctuidae. *Acta Entomologica Bohemoslovaca* **86**: 157. – NOWACKI J. 1998: *The Noctuids (Lepidoptera, Noctuidae) of Central Europe*. František Slamka, Bratislava, 51 pp. + 65 pls. – RAZOWSKI J. 1990: *Motyle (Lepidoptera) Polski.* [*Lepidoptera of Poland.*] *XVI. Coleophoridae. Monografie Fauny Polski 18*. [*Monographs of Polish Fauna 18.*] Panstwowe Wydawnictwo Naukowe, Warszawa-Krakov, 270 pp. (in Polish). – SVENSSON I. 2001: Anmärkningsvärda fynd av smafjärilar (Microlepidoptera) i Sverige 2000. (Remarkable finds of Microlepidoptera in Sweden during 2000). *Entomologisk Tidskrift* **122**: 61–68 (in Swedish, English abstract). – SVENSSON I. 2002: Anmärkningsvärda fynd av smafjärilar (Microlepidoptera) i Sverige 2001. (Remarkable finds of Microlepidoptera in Sweden during 2001). *Entomologisk Tidskrift* **123**: 1–11 (in Swedish, English abstract). – ŠUMPICH J., ŽEMLIČKA M., MIKÁT M., DVOŘÁK M. & JAKEŠ O. 2002: Faunistic records from the Czech Republic – 147. Lepidoptera: Eriocraniidae, Gelechiidae, Pyralidae, Geometridae, Noctuidae. *Klapalekiana* **38**: 115–116. – TOLL S. 1959: Studien über die Genitalien einiger Coleophoridae XV (Lepidoptera). *Acta Zoologica Cracoviensia* **4**: 121–145. – TOLL S. 1961: Studien über die Genitalien einiger Coleophoridae XX. Beschreibung neuer Coleophoridae aus Österreich, Bulgarien, Spanien und Portugal. *Zeitschrift der Wiener Entomologischen Gesellschaft* **46**: 161–168.

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