

## FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 332

## Coleoptera: Coccinellidae: Scymninae

*Clitostethus arcuatus* (P. Rossi, 1794). Bohemia centr.: Nížbor (6050a), 2.ix.2001, 1 spec., J. Januš (Kladno) leg. et coll., I. Kovář det.; Praha-Liboc, Obora Hvězda Nature Monument (5951b), sifting of litter from beneath alder tree (*Alnus glutinosa*) near Litovický stream, 26.i.2012, 2 spec.; Praha-Břevnov, Kajetánka park (5952a), 8.vi.2003, 2 spec., J. Růžička (Praha) leg. et coll., I. Kovář det.; Praha-Hostivař, Triangl wetland area (5953a), sifting of litter near oxbow (50°03'42"N, 14°31'06.5"E), 7.i.2012, 1 spec.; sifting of poplar (*Populus ×canadensis*) and willow (*Salix fragilis*) litter, 21.i.2012, 2 spec.; Praha-Dolní Počernice, Počernický rybník Nature Monument (5953b), sifting of litter from beneath alder tree (*Alnus glutinosa*) on northern bank of pond, 12.i.2012, 7 spec. (collected together with other coccinellid species: *Coccidula rufa* (Herbst, 1783), *Coccidula scutellata* (Herbst, 1783), *Psyllobora vigintiduopunctata* (Linnaeus, 1758) and the invasive species *Harmonia axyridis* (Pallas, 1775)]; unless otherwise stated P. Špryňar leg., det. et coll. *C. arcuatus* is known from Southern and Central Europe (France, Switzerland, Great Britain, Germany, The Netherlands, Austria, Czech Republic, Slovakia, Hungary, Romania, Bulgaria, Italy, Croatia, Bosnia-Herzegovina, Serbia and Montenegro, Albania, Greece, Moldova, Ukraine, Georgia, Armenia, Russia), Azores, Canary Islands, Madeira, North Africa, Asia (Middle East) and from the Afrotropical region (Jordanova 1997, Kovář 2007, Abd-Rabou & Simmons 2010, Tavadjoh et al. 2010, O. Nedvěd, pers. comm.), it was also recently introduced to North and South America (Hagen et al. 1999, Gasparini et al. 2007, Kovář 2007). In Central Europe, *C. arcuatus* occurs in warm regions, it has three generations per year and overwinters as an adult (Bathon & Pietrzik 1986). *C. arcuatus* preys mostly on whiteflies (Hemiptera: Sternorrhyncha: Aleyrodoidea) and can be considered as a potentially important biocontrol agent (e.g. Mota et al. 2007, Hodek & Honěk 2009, Tavadjoh et al. 2010). In the Czech Republic, it has been reported only from Moravia (Kovář 1993). New species for Bohemia.

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ABD-RABOU S. & SIMMONS A. M. 2010: Augmentation and evaluation of a parasitoid, *Encarsia inaron*, and a predator, *Clitostethus arcuatus*, for biological control of the pomegranate whitefly, *Siphoninus phillyreae*. *Archives of Phytopathology and Plant Protection* 43: 1318–1334. – BATHON H. & PIETRZIK J. 1986: Zur Nahrungsaufnahme des Bogen-Marienkäfers, *Clitostethus arcuatus* (Rossi) (Col., Coccinellidae), einem Vertilger der Kohlmottenlaus, *Aleurodes proletella* Linné (Hom., Aleurodidae). *Journal of Applied Entomology* 102: 321–326. – GASPARINI M. L., HOLGADO M. G. & RODRÍGUEZ F. 2007: Presencia de *Clitostethus arcuatus* (Coleoptera: Coccinellidae) sobre olivos infestados con *Siphoninus phillyreae* (Hemiptera: Aleyrodidae) en Argentina. *Revista de la Sociedad Entomológica Argentina* 66: 169–170. – HAGEN K. S., MILLS N. J., GORDH G. & McMURTRY J. A. 1999: 16. Terrestrial arthropod predators of insect and mite pests. Pp. 383–504. In: BELLOWS T. S. & FISHER T. W. (eds): *Handbook of biological control*. Academic Press, San Diego, London, 1046 pp. – HODEK I. & HONĚK A. 2009: Scale insects, mealybugs, whiteflies and psyllids (Hemiptera, Sternorrhyncha) as prey of ladybirds. *Biological Control* 51: 232–243. – JORDANOVA V. 1997: Review of the species of fam. Coccinellidae (Coleoptera) in the collections of the National Museum of Natural History in Sofia. *Historia Naturalis Bulgarica* 8: 69–76. – KOVÁŘ I.

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