

## Large branchiopods (Crustacea: Anostraca, Notostraca, Spinicaudata, Laevicaudata) of the middle Dyje river area, Czech Republic

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ZAVADIL V., KRÁL D. & REITER A. 2013: Large branchiopods (Crustacea: Anostraca, Notostraca, Spinicaudata, Laevicaudata) of the middle Dyje river area, Czech Republic. *Acta Musei Moraviae, Scientiae biologicae* (Brno) **98(1)**: 1–40. – Distribution data on large branchiopods (Anostraca, Notostraca, Spinicaudata, Laevicaudata) from the middle Dyje river area are summarised. Recently, in the period 1997–2013, the following seven species have been recorded in this area: *Branchipus schaefferi* Fischer, 1834, *Chirocephalus carnuntanus* (Brauer, 1877), *Eubbranchipus grubii* (Dybowski, 1860), *Streptocephalus torvicornis* (Waga, 1842), *Triops cancriformis* (Lamarck, 1801), *Leptestheria dahalacensis* (Rüppell, 1837), *Imnadia yeyetta* Hertzog, 1935 and *Lynceus brachyurus* O. F. Müller, 1776. Finding of the clam shrimp *Imnadia yeyetta* represents the first reliable country record for the Czech Republic and so far the northernmost known occurrence spot of the species. Findings of the fairy shrimp *Chirocephalus carnuntanus* represent a new records from the Czech Republic after more than 30 years and findings of the fairy shrimp *Streptocephalus torvicornis* represent the only known findings of adults in the wild in the Czech Republic since 1957, the species was thus rediscovered in southern Moravia after 40 years. Ecology, phenology, habitat preferences, syntopic occurrence, keeping and breeding in semicaptivity and conservation status of large branchiopods recorded in the study area are discussed.

**Key words.** Crustacea, Branchiopoda, Anostraca, Notostraca, Spinicaudata, Laevicaudata, clam shrimp, fairy shrimp, tadpole shrimp, distribution, faunistics, ecology, conservation status, floodplains, Czech Republic

### Introduction

So far only scarce literature data on large branchiopods have been available from the middle Dyje river area, related to a single site, the “Červený rybníček” pool (HRABĚ 1954, KUBÍČEK 1965). This documents the level of historical knowledge on the fauna of branchiopods in the region. Consistent survey of large branchiopods was started there first in the year 1997, when the fairy shrimp *Streptocephalus torvicornis* was “rediscovered” after 40 years. Almost at the same time, in the years 1995–1998, the first records of summer species were made in the surroundings of Hevlín and Hrabětice. A part of these data was included in the survey reports by MARTIŠKO (1998) and MARTIŠKO & MARTIŠKOVÁ (2002). Some of the records were documented in museum collections