

ODONATA FROM "DUNAJSKIE PLAVNI" NATURE RESERVE, DANUBE DELTA, ODESSA PROVINCE, SW UKRAINE

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Abstract – 25 spp. are recorded from 6 localities. The record of *Hemianax ephippiger* is the third of this sp. from the Ukraine. *Chalcolestes parvidens* was originally described from Crimea, its occurrence in the Ukraine is herewith confirmed. The scarce earlier data on the regional occurrence of *Cercion lindeni* are likewise confirmed.

Introduction

The Danube Delta contains very different types of water bodies, therefore its odonate fauna is relatively rich. For the Lower Danube, 44 species were listed by POLISHCHUK (1974) and 2 more species were added by PAVLJUK (1981).

Here we present a list of 25 species, based on 435 specimens, collected by the second author on the territory of "Dunajskie Plavni" Nature Reserve (Danube Delta, Odessa province) during June-September 1995.

List of localities

- (1) Kilijsky district, Primorskoje village;
- (2) Kilijsky district, near Vilково, Ermakov island;
- (3) Kilijsky district, W bank of Sasyk Lake;
- (4) Kilijsky district, Vilково;
- (5) Kominternovskij district, Kalinovka-Shirokoje village;
- (6) Kilijsky district, Shevchenkove village.

List of species

- *Calopteryx splendens* (Harr.). – Loc. 4: 30-VI, 1 ♂, 1 ♀.
 – *Chalcolestes parvidens* (Artobolevski). – Loc. 1: 9-IX, 1 ♀; 16-IX, 1 ♂; – Loc. 4: 19-IX, 4 ♂; 20-IX, 3 ♂.
 – *Lestes barbara* (Fabr.). – Loc. 1: 17-VI, 2 ♀; 20-VI, 2 ♀; 21-VI, 2 ♂; 24-VI, 1 ♂, 1 ♀; 27-VI, 2 ♂, 1 ♀; 2-VII, 1 ♂; 3-IX, 1 ♀; 5-IX, 1 ♀; 16-IX, 1 ♂; – Loc. 2: 15-IX, 1 ♀; – Loc. 4: 19-IX, 1 ♀; 20-IX, 1 ♂.
 – *L. macrostigma* (Eversm.). – Loc. 1: 16-VI, 1 ♂; 24-VI, 1 ♂; 25-VI, 1 ♂.
 – *L. sponsa* (Hans.). – Loc. 1: 15-VI, 1 ♂; 17-IX, 1 ♂; – Loc. 2: 1-VII, 3 ♀.
 – *Sympetma fusca* (Vander L.). – Loc. 1: 27-VI, 1 ♂; 4-IX, 1 ♀; 5-IX, 1 ♀; 16-IX, 1 ♀; – Loc. 2: 1-VII, 1 ♂; 15-IX, 2 ♀; – Loc. 4: 19-IX, 1 ♂, 2 ♀; 20-IX, 1 ♀.
 – *Platycnemis pennipes* (Pall.). – Loc. 1: 28-VI, 1 ♂, 4 ♀; – Loc. 2: 1-VII, 1 ♂; – Loc. 4: 30-VI, 3 ♂, 4 ♀.
 – *Coenagrion pulchellum* (Vander L.). – Loc. 1: 19-VI, 1 ♂.
 – *Cercion lindeni* (Sel.). – Loc. 1: 15-VI, 1 ♀; 16-VI, 1 ♂; 19-VI, 1 ♀; 21-VI, 2 ♂, 24-VI, 8 ♀, 11 ♀; 25-VI, 3 ♂; 27-VI, 1 ♀.
 – *Enallagma cyathigerum* (Charp.). – Loc. 1: 16-VI, 1 ♀.
 – *Erythromma viridulum* (Charp.). – Loc. 1: 15-VI, 4 ♂, 7 ♀; 16-VI, 1 ♂, 1 ♀; 17-VI, 1 ♂, 1 ♀; 19-VI, 1 ♂; 20-VI, 1 ♀; 21-VI, 1 ♂, 2 ♀; 24-VI, 2 ♂, 3 ♀; 25-VI, 2 ♂; 27-VI, 10 ♂, 10 ♀; 28-VI, 4 ♂, 3 ♀; – Loc. 2: 1-VIII, 1 ♀.
 – *Ischnura elegans* (Vander L.). – Loc. 1: 15-VI, 13 ♂, 14 ♀; 16-VI, 2 ♂, 3 ♀; 17-VI, 1 ♂, 5 ♀; 21-VI, 2 ♀; 24-VI, 4 ♂, 2 ♀; 25-VI, 1 ♂, 3 ♀; 27-VI, 1 ♂, 3 ♀; 28-VI, 1 ♂; 2-IX, 11 ♂, 2 ♀; 2-IX, 5 ♂, 4 ♀; 4-IX, 3 ♂, 2 ♀; 5-IX, 2 ♂, 5 ♀; 9-IX, 13 ♂, 21 ♀; – Loc. 2: 1-VII, 2 ♂; – Loc. 3: 12-IX, 3 ♂, 2 ♀; – Loc. 4: 12-IX, 4 ♂, 6 ♀; 14-IX, 8 ♂, 6 ♀; 15-IX, 1 ♂; 19-IX, 2 ♂; 20-IX, 3 ♂, 1 ♀; – Loc. 6: 8-IX, 1 ♀; 16-IX, 9 ♂, 3 ♀.
 – *I. pumilio* (Charp.). – Loc. 1: 2-IX, 1 ♂, 2 ♀; 16-IX, 2 ♀; – Loc. 4: 12-IX, 2 ♂.
 – *Aeshna affinis* Vander L. – Loc. 1: 20-VI, 1 ♂, 1 ♀; 25-VI, 1 ♂; – Loc. 2: 1-VII, 2 ♂, 3 ♀.
 – *A. mixta* Latr. – Loc. 1: 2-IX, 3 ♀; 4-IX, 1 ♂; 5-IX, 6 ♂, 2 ♀; 9-IX, 1 ♀; – Loc. 4: 16-IX, 2 ♀; 19-IX, 1 ♂.

- *Anax parthenope* Sel. – Loc. 1: 24-VI, 1 ♂.
 – *Hemianax ephippiger* (Burm.). – Loc. 1: 5-IX, 1 ♀.
 – *Orthetrum albistylum* (Sel.). – Loc. 1: 17-VI, 1 ♂; 21-VI, 1 ♂; 22-VI, 2 ♀.
 – *O. cancellatum* (L.). – Loc. 1: 17-VI, 2 ♂, 1 ♀; 22-VI, 1 ♀; 24-VI, 1 ♂; 25-VI, 1 ♀.
 – *O. coerulescens* (Fabr.). – Loc. 1: 24-VI, 1 ♀.
 – *Crocothemis erythraea* (Brullé). – Loc. 1: 15-VI, 1 ♂; 17-VI, 3 ♂; 20-VI, 1 ♂; 25-VI, 2 ♂; 28-VI, 1 ♂; 22-IX, 1 ♀; 24-VI, 1 ♂; – Loc. 3: 12-IX, 1 ♀; – Loc. 4: 14-IX, 2 ♀; 19-IX, 1 ♂.
 – *Sympetrum fonscolombei* (Sel.). – Loc. 1: 5-IX, 1 ♀; 16-IX, 2 ♂, 5 ♀; – Loc. 4: 12-IX, 1 ♂.
 – *S. meridionale* (Sel.). – Loc. 1: 15-VI, 1 ♂; 16-VI, 1 ♂; 17-VI, 2 ♂, 2 ♀; 25-VI, 1 ♂; 27-VI, 2 ♂, 1 ♀; 2-IX, 2 ♀; 3-IX, 2 ♀; 5-IX, 1 ♀; 9-IX, 1 ♂, 1 ♀; – Loc. 2: 15-IX, 1 ♂; 16-IX, 1 ♂, 3 ♀; – Loc. 4: 12-IX, 1 ♂, 2 ♀; 14-IX, 2 ♂; 19-IX, 2 ♀; 20-IX, 2 ♂.
 – *S. sanguineum* (Müll.). – Loc. 1: 24-VI, 1 ♂; – Loc. 2: 1-VII, 1 ♀; – Loc. 4: 28-VI, 2 ♂.
 – *S. striolatum* (Charp.). – Loc. 5: 26-IX, 1 ♀.

Discussion

C. parvidens, originally described from Crimea (ARTOBOLVSKI, 1929), has been omitted from the fauna list of the Ukraine (PAVLJUK, 1992). Recently, the species was reported from Italy (LOHMANN, 1993; DELL'ANNA et al., 1994; UTZERI et al., 1994) and Greece (LOHMANN, 1993). We renew here its status in the fauna of the Ukraine and suggest that the species is distributed in the southern territories of the Ukraine (Black Sea coast and the Crimea). The record from the Danube Delta is the most northeastern one.

H. ephippiger has been reported from central (GORB, 1992) and western (GORB, 1996) Ukraine. The Danube Delta record is the third one from the Ukraine. Autochthony was not evidenced. The species might breed occasionally in the Danube Delta.

C. lindeni is one of the species which tends to move to the North (BEUTLER, 1982; LANDMANN, 1982; BERNARD, 1993) and is known from the Ukraine only from the Danube Delta (PAVLJUK, 1981). Our material supports the contention that the species is common there. The Danube Delta is its northeasternmost known locality.

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