

**CERCION LINDENII (SELYS), A NEW SPECIES FOR THE FAUNA OF POLAND (ZYGOPTERA: COENAGRIONIDAE)**

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**Abstract** — The sp. is recorded from 2 localities in the Wielkopolsko-Kujawska Lowland, representing a NE extension of its known range. The habitats and their odon. communities are described in detail, and some biogeographic considerations are appended.

**Introduction**

The odonate fauna of Poland is relatively well explored (cf. MIELEWCZYK, 1990). No new species were reported during the past 6 decades, though the probable discovery of *Cercion lindenii* was predicted already by URBAŃSKI, in 1948.

The 2 here reported populations were discovered in the Wielkopolsko-Kujawska Lowland, western Poland (cf. Fig. 1), on August 19, 1992, bringing the status of the Polish odonate

fauna up to 71 species.

Voucher specimens are in the author's collection.

**Localities and observations**

- (1) Radziszewskie Lake, 13 km W of Wronki; UTM WU 84 (52°42'20"N, 16°11'10"E). — A slightly eutrophic lake (with some mesotrophic features), with wooded banks and sandy floor, with almost no littoral vegetation (*Typha*, *Phragmites*), and with a *Myriophyllum spicatum*/*Ceratophyllum demersum* zone some distance off the shore. In this zone, numerous *C. lindenii* have been observed, the males dominating. All females were either in copula, or ovipositing. The behaviour was peculiar: all indivi-



of the "*Cercion-Platycnemis*" community, *Ischnura elegans* (Vander L.) occurred in small numbers, and *Orthetrum cancellatum* (L.) and *Sympetrum* sp. have also been noticed.

At "Kuchowiec" Lake the coenotope is completely different. The late summer aspect of the odonate community includes the dominating *I. elegans* and other species than those listed by JACOB (1969) for the "*Cercion-Platycnemis*" coenocicum, viz. *Sympetrum vulgatum* (L.), *S. sanguineum* (Müll.), *S. danae* (Sulz.), *S. pedemontanum* (Allioni). These were accompanied by *Aeshna grandis* (L.), *A. mixta* Latr., a few *Chalcolestes viridis* (Vander L.) and *Platycnemis pennipes* (Pall.). Consequently, the faunal assemblage approximates to the JACOB's (1969) "*Lestes-Sympetrum-Aeshna mixta*" community. This indicates that *C. lindenii* can occur in different coenocicum types and in diverse types of water. But it is possible that *C. lindenii* flies to

this lake from the neighbouring, so far unexplored Chojno Lake (of the Radziszewskie Lake type).

**References** – BEUTLER, H., 1982, *Faun. Abh. Mus. Tierk. Dresden* 9(5): 87-94; – 1985, *Ent. Abh. Mus. Tierk. Dresden* 49(4): 69-82; – JACOB, U., 1969, *Faun. Abh. Mus. Tierk. Dresden* 2(24): 197-239; – KANZLER, W., 1954, *Dt. ent. Z. (N.F.)* 1: 42-85; – LANDMANN, A., 1982, *Notul. odonatol.* 1(9): 153-154; – MIELEWCZYK, S., 1990, in: J. Razowski, [Ed.], *Wykaz zwierząt Polski*, Vol. 1, pp. 39-42, Ossolineum, Wrocław-Warszawa-Kraków; – OESER, R., 1963, *Ent. Abh. Mus. Tierk. Dresden* 29: 469-473; – ST. QUENTIN, D., 1960, *Zool. Jb. Syst.* 87: 301-316; – URBAŃSKI, J., 1948, *Annls Univ. Mariae Curie-Skłodowska (C)*3: 289-317.

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