

**THE ODONATE FAUNA OF THE SUR-  
ROUNDINGS OF EINDHOVEN, SOUTH-  
EASTERN NETHERLANDS**

During 1974-1979 the odonate fauna of the broader surroundings of the city of Eindhoven has been systematically studied. The prevailing biotopes include lowland brooks, canals, heaths and man-made ponds and lakes. Out of the 68 species known to occur in the Netherlands, 40 were recorded in the region. Among these is *Oxygastra curtisi*, which represents the second record of this species in

the Netherlands (recorded for the first time in 1926; cf. M.A. LIEFTINCK, 1926a, *Ent. Ber.*, Amsterdam 7: 43-45; — 1926b, *Tijdschr. Ent.* 59: IX-X; — 1927, *Ent. Ber.*, Amsterdam 7: 165-170; it is interesting that after nearly eight decades the species has recently also reappeared in Belgium; cf. H.J. DUMONT, 1977, *Bull. Ann. Soc. r. belge Ent.* 113: 26). Our record of *Cordulegaster boltoni* refers to one of its very few still existing populations in the Netherlands (cf. Br. ARNOUD, 1969, *Natuurhist. Maandbl.* 58: 72-73; — J. BELLE, 1971, *Ent. Ber.*, Amsterdam 31: 140-142; — 1972, loc. cit. 32: 105-111). The following is an annotated list of species:

**Platycnemididae:** *Platycnemis pennipes* (Pall.): common at brooks and canals, in heaths sporadically; at the Eindhoven Canal migrations were noticed over a distance of up to 1.5 km.

**Coenagrionidae:** *Cercion lindeni* (Sel.): 1 teneral ♂, Eindhovense Canal, 23-VI-1976; — *Coenagrion lunulatum* (Charp.): heaths and lakes, rare (4 ♂, 11-VI-1976; 3 ♂ 12-VI-1977; 3 ♂, 4-VI-1978); — *C. puella* (L.): common; — *C. pulchellum* (Vander L.): common at lakes, less so at brooks and in heaths; — *Enallagma cyathigerum* (Charp.): nearly ubiquitous, but mostly in heaths; — *Erythromma najas* (Hans.): in most habitats, in brooks prevailing in places with overhanging vegetation; — *E. viridulum* (Charp.): 2 ♂, 1 ♀, Strabrechtse Heide, 7-VIII-1977; — *Ischnura elegans* (Vander L.): everywhere common; — *I. pumilio* (Charp.): common in heaths and ponds, rare at brooks; — *Pyrrosoma nymphula* (Sulz.): common, less so in heaths.

**Lestidae:** *Lestes barbarus* (Fabr.): heaths, rare; — *L. sponsa* (Hans.): very common; — *L. viridis* (Vander L.): common; — *Sympetrum fuscum* (Vander L.): 1 spec., Elshouters Brook; — *S. paedisca* (Br.): no recent records.

**Calopterygidae:** *Calopteryx splendens* (Har.): common at most brooks, particularly so below the dams (cf. Fig. 1); — *C. virgo* (L.): 2 localities only (Kampina, Bergeijk).

**Gomphidae:** *Gomphus pulchellus* Sel.: not common, a resident population in the Kleine Dommel brook, Collse Zegge.

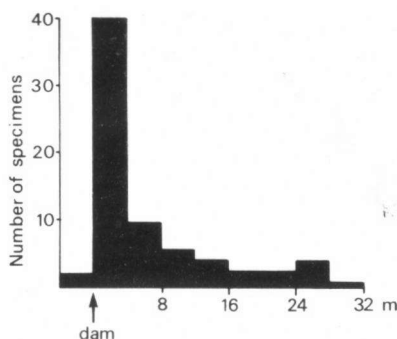


Fig. 1. Abundance of *Calopteryx splendens* individuals above and below the dam on the Tongelreep, south of Eindhoven, July 14, 1979.

**Aeshnidae:** *Aeshna cyanea* (Müll.): common; — *A. grandis* (L.): common in heaths, less so at lakes; — *A. juncea* (L.): heaths, common; — *A. mixta* Latr.: heaths and ponds, common; — *Anax imperator* Leach: common; — *Brachytron pratense* (Müll.): not common.

**Cordulegasteridae:** *Cordulegaster boltoni* (Don.): a resident population in the Dommel.

**Corduliidae:** *Cordulia aenea* (L.): common; — *Oxygastra curtisi* (Dale): 1 immature ♂, Collse Zegge (5 km E of Eindhoven), 6-VI-1976; 1 ♂, same locality, 2-VII-1976; — *Somatochlora metallica* (Vander L.): common on brooks.

**Libellulidae:** *Leucorrhinia dubia* (Vander L.): heaths, common; — *L. rubicunda* (L.): heaths, rare; — *Libellula depressa* L.: in heaths more common than at brooks and ponds; — *L. fulva* Müll.: rare, along canals and brooks; earliest record: June 8 (1976), latest record: June 23 (1975); — *L. quadrimaculata* L.: in heaths occasionally in very large numbers, elsewhere less common; — *Orthetrum cancellatum* (L.): common; — *Sympetrum danae* (Sulz.): very common, particularly in heaths; — *S. flaveolum* (L.): common at stagnant water habitats; — *S. sanguineum* (Müll.): common; — *S. striolatum* (Charp.): not common; — *S. vulgatum* (L.): common in heaths, less so at

brooks.

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