

COMPARISON OF THE HABITAT AND POPULATION STRUCTURE OF *ISCHNURA ELEGANS* (VANDER L.) AND *I. PUMILIO* (CHARP.) IN A CENTRAL NETHERLANDS LOCALITY (ZYGOPTERA: COENAGRIONIDAE)

The field observations carried out systematically (1978, 1979) at the locality "Steengroeven", near the village of Winterswijk (Gelderland Prov.), which supports a population of some 400 individuals of *I. elegans* and 800 of *pumilio*, yielded (preliminarily) the following evidence: (1) *I. pumilio* prevails in the grassland habitats, while *elegans* mainly occurs in the *Typha* vegetation; (2) *I. pumilio* is on wings earlier in the season and in greater numbers than *elegans*; the balance in numbers is achieved early in August, while in the late summer *I. elegans* is dominant and its adult season considerably exceeds that of *pumilio*; (3) *I. pumilio* requires higher atmospheric temperatures than *elegans*, hence its activity commences later in the day than that of the latter species; (4) during the rain *pumilio* completely disappears from sight, while the *elegans* individuals may still be active. It is likely that there are some distinctions in the sexual behaviour between the two species, but our evidence on this aspect is insufficient.

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