

DRAGONFLIES COLLECTED IN SOUTHERN SPAIN IN MARCH

The discovery of *Ischnura graellsii* Ramb. on wings in southern Spain in March (cf. J. BELLE, 1979, *Notul. odonatol.* 1: 46) was the incentive to undertake two further collecting trips in Andalusia (the Andalusian name for a dragonfly is "arona"), one at the Costa del Sol on March 19 and 22, 1979, and one in the Delta of the Guadalquivir on March 26 and 27, 1979. The days before and after these data were marked by unsettled weather.

(A) Costa del Sol. — The following three species were collected at the Rio Verde near Marbella (prov. Málaga): *Calopteryx haemorrhoidalis* (Vander L.), many ♂ and ♀, most of them teneral. Two features of these specimens struck me on comparison with the specimens formerly (1976) collected in the South of France by me: (1) the black tibiae, pale in my specimens from France; — (2) the well-developed (equal) colour pattern of the pterothorax in both sexes, the pterothorax of my males from France being normally entirely black. — *Ischnura graellsii*, several ♂ and ♀, all teneral. — *Sympetrum fonscolombei* Sel., 1 ♀ (young).

(B) Delta of Guadalquivir. Twelve species were collected at the following localities in the province Huelva: Loc. (1), marshy field near parador of Mazagón; — loc. (2), stream Arroyo de la Cañada; — loc. (3), lake at El Rocío; — loc. (4), road Ruta de las marismas near El Rocío. The species are: *Sympecma fusca* (Vander L.), (1): many ♂ and ♀, several in

copula; (2): 1 ♂. — *Platycnemis acutipennis* Sel., (2): 1 ♀ (teneral). — *Ischnura graellsii* Ramb., (1) and (3): many ♂ and ♀. — *Cercion lindeni* (Sel.), (2): 3 ♂, head without postocular spots (var. *nigriceps* Nav.), tenth abdominal segment black on the middorsum, and blue marking on dorsum of ninth abdominal segment reduced. — *Coenagrion puella* (L.), (2): several ♂, with dorsum of ninth abdominal segment entirely or largely black, and that of eighth abdominal segment generally black on apical half. — *Brachytron pratense* (Müll.), (4): many ♂ and ♀. — *Anaciaeschna isosceles* (Müll.), (2): 1 ♂ (very teneral). — *Anax imperator* Leach, (1): 1 exuviae. — *A. parthenope* (Sel.), (4): 1 ♀. — *Libellula quadrimaculata* L., (1): several ♂ and ♀, (2): 1 ♀ (teneral). — *Orthetrum chrysostigma* (Burm.), (4): 1 ♂ (young). — *Sympetrum fonscolombei* (Sel.), (1): 1 ♂.

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