

present. Thus Ramme³ studying long-winged individuals of *Metrioptera roeselii* (Hgb.), has found a correlation existing between macropterism and the development of the gonads. All of the macropterous specimens examined by him showed definite signs of reduction in their gonads.

Some years ago a similar case of reduction of the left forewing in a dragon-fly, *Leptetrum quadrimaculatum* L., was described by O. John⁴, but without any examination of the internal anatomy.

³Ramme, W.—Verlust oder Herabsetzung der Fruchtbarkeit bei macropteren Individuen sonst brachypterer Orthopterenarten. Biol. Zentralbl., li: 533-540. 1931.

⁴John, O.—Reduktion eines Flügels bei einer Libelle. Folia Zool. et Hydrobiol., Riga, I: 177-180. 1930.

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