

BRIEF NOTES AND RECORDS

A NEW RECORD OF *MESAMPHIAGRION OCCULTUM* (RIS) AND *CYANALLAGMA OVIGERUM* (CALV.) (ZYGOPTERA: COENAGRIONIDAE)

Some time after having completed the revisionary study of these two species (J. DE MARMELS, 1989, *Odonatologica* 18: 245-252), I received a parcel from Mr Fernando Cruz, Bogotá, Colombia, with some Odonata collected recently by himself and his collaborators. Among other species these two coenagrionids were represented by a single male each. For both it is the first record since F. RIS, 1918, *Arch. Naturgesch.* (A)9: 1-197).

I am indebted to Mr FERNANDO CRUZ, Bogotá, for his kind permission to study the specimens collected by him.

Mesamphiagrion occultum (Ris), Fig. 1.

Material examined: 1 ♂, Laguna Siecha, Parque Nacional Chingaza, 3500-4000 m, 04°45'N-74°00'W, Cundinamarca, Colombia, 22-II-1987, J. Cortés & F. Cruz leg.

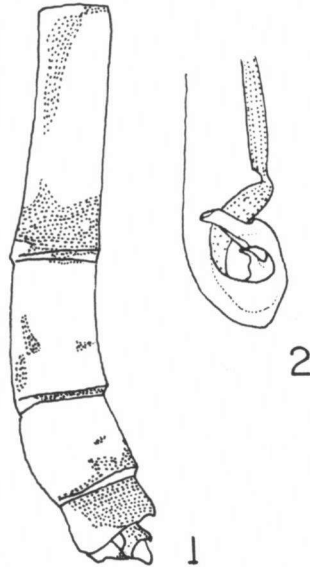
The specimen is kept in an alcohol-glycerine solution (3:1). The color pattern is well-preserved and in general accordance with the paracotype (RIS, 1918, *op. cit.*; DE MARMELS, 1989, *op. cit.*): pale areas turquoise blue, dark parts red brown. Limits of the turquoise blue postocular spots, antehumeral stripes and lateral areas of same color characteristically diffuse, but black of segments 7-9 considerably reduced (Fig. 1). Fore wings with 4 antenodal cells in discoidal field and 6 poststigmatal cells in costal field, hind wings with 3 and 8 cells, respectively; 12 cells between origin of IR₂ and wing margin at tip; 14 postnodal cross-veins (px) in fore wings, 11 in hind wings; R₃ originating between fifth and sixth px (fore wings), between fourth and fifth (hind wings); IR₂ branching from ninth (eighth) px, respectively.

Measurements (mm): total length (incl. anal appendages) 36; abdomen (incl. app.) 28; hind wing 20.

Cyanallagma ovigerum (Calvert), Fig. 2.

Material examined: 1 ♂, Quebrada El Mojón, 1400 m, Anolaima, Cundinamarca, Colombia, 20-I-1987, F. Cruz & D. González leg.

Preserved as the former specimen. Mesepimeron, metepisternum and first abdominal



Figs 1.2. Male characters of two Colombian Coenagrionidae: (1) Abdominal segments 7-10 of *Mesamphiagrion occultum* (Ris), left lateral view; — (2) Penis of *Cyanallagma ovigerum* (Calvert), right lateral view.

segment violet blue. Fore wings with 13(12) px, hind wings with 10; R₃ originating slightly proximally from sixth px in fore wings, between fifth and sixth (at sixth) in hind wings; IR₃ branching at tenth (eighth) px in fore wings, at eighth in hind wings. 3 antenodal cells in the discoidal field of all wings, 5-6 poststigmatal cells. Penis showing the digitiform protuberance on inner side of second segment (Fig. 2), considered by me typical of *Cyanallagma* Kennedy (DE MARMELS, 1989, *op. cit.*). This projection has not been discerned in either of the two specimens of the Ris Collection examined by me earlier.

Measurements (mm): total length (incl. app.) 34; abdomen (incl. app.) 28; hind wing 19.

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