





## COLEOPTERA, &amp;c., IN BROMELIADS.

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In Vol. xlvii of this Magazine, pp. 17, 18 (1911), we published an extract from one of Prof. P. P. Calvert's interesting papers on the *Odonata* larvæ observed by him in epiphytic Bromeliads in Costa Rica. In another of his articles, entitled "Studies on Costa Rican Odonata" [Ent. News, xxii, pp. 401-411 (Nov., 1911)], he alludes to various *Coleoptera*, &c. (larvæ and imagines) occurring in these plants. The insects mentioned in this paper were presented by Calvert to the U. S. National Museum at Washington, and some of the beetles have recently been sent me for determination by the authorities of that institution. Mons. C. Picado, of Paris, too, has also forwarded to me, or to Mr. Gahan, certain *Coleoptera* and *Hemiptera* obtained from Costa Rican Bromeliads, and as he has been kind enough to allow us to retain these insects for the British Museum, I take the opportunity of publishing some remarks upon them and describing three new forms. Another paper bearing on this subject, entitled "A Contribution to the Knowledge of the Fauna of Bromeliaceæ," by Mr. Hugh Scott, was published in October last [Ann. and Mag. Nat. Hist. (8) x, pp. 424-438, pl. 10]. This paper gives an account of the author's observations in Trinidad, Dominica, and the Seychelle Islands, and notes upon various insects, including a peculiar Dytiscid (*Aglymbus bromeliarum*, Scott), and a remarkable Hemipteron (*Microvelia insignis*, Dist.) from Trinidad, &c. The "Helodine" larva from Trinidad and Dominica mentioned by him, may be that of a *Scirtes*\*, M. Picado having bred a species of this genus from a larva found in a Costa Rican Bromeliad. The former is described by Mr. Scott as "long and narrow, not tapering much towards the posterior extremity, flattened dorso-ventrally, with filamentous antennæ nearly as long as the body, and a group of rectal gills." It is apparently very like that of *Helodes minuta*.

The *Coleoptera* enumerated by Mr. Scott and Prof. Calvert belong to *Dytiscidæ*, *Hydrophilidæ*, *Staphylinidæ*, *Trichopterygidæ*, *Copridæ*, *Elatерidæ*, *Dascillidæ*, *Lampyridæ*, *Endomychidæ*, *Erotylidæ*, *Tenebrionidæ*, and *Curculionidæ*. The Costa Rican forms before me include: *Colpodes purpuratus*, Reiche, a Carabid said by M. Picado to be abundant everywhere in Bromeliads. *Phænonotum tarsale*, Sharp, a Hydrophilid, and an allied smaller form (gen. near *Perochthes*) belonging to the same family (both noted by Calvert), Juan Viñas.

\* M. Severin, of the Brussels Museum, has recently sent me two species of the allied genus *Ora*, Clark, from Trinidad, for determination: one is referable to *O. marmorata*, Champ., the other is a new species allied to *O. nigricornis*.

















