

**The assassin bug subfamilies Centrocnemidinae
and Holoptilinae in Taiwan
(Hemiptera: Heteroptera: Reduviidae)**

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Abstract. The assassin bugs (Hemiptera: Heteroptera: Reduviidae) of the subfamily Centrocnemidinae and Holoptilinae of Taiwan are surveyed, the taxa are diagnosed, illustrated, and keyed. The nomenclature of the family group name Centrocnemidinae is discussed. Of this subfamily, the single species *Neocentrocnemis stali* (Reuter, 1881) is recognized, old records of *Centrocnemis deyrollii* Signoret, 1852 are considered as misidentifications of *N. stali*. The following synonymies are proposed: *Neocentrocnemis stali* (Reuter, 1881) = *N. formosana* (Matsumura, 1913), syn. nov., = *N. baudoni* Dispons, 1965, syn. nov. The male and female genitalia of *N. stali* are illustrated in detail, the morphology and homologies of the male intromittent organ are discussed. Of Holoptilinae, two genera and three species are recognized. The genus *Locoptiris* Villiers, 1943, described from the Afrotropical Region, is recorded for the first time from Taiwan; this record means also the first record of the genus in the Oriental Region. *Locoptiris taiwanensis* sp. nov. is described as new. *Ptilocerus pendleburyi* Miller, 1940, described from peninsular Malaysia, is transferred to *Locoptiris*. Species of *Locoptiris* are keyed, the relationships within the genus are discussed. *Ptilocerus immitis* Uhler, 1896, so far known only from Japan, is recorded for the first time from Taiwan.

Key words. Heteroptera, Reduviidae, Centrocnemidinae, Holoptilinae, taxonomy, nomenclature, new species, new records, morphology, genitalia, Taiwan

Introduction

In spite of their strikingly different external appearance, the assassin bug subfamilies Centrocnemidinae and Holoptilinae are closely related phylogenetically. Together with Phymatinae and Elasmodeminae, they form a monophyletic lineage within Reduviidae, usually called as