



## New species and new records of Tingidae (Hemiptera: Heteroptera) from Vietnam

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### Abstract

Tingidae (Hemiptera: Heteroptera) collected in Vietnam by several institutions between 1958 and 2013 continue to yield new information about tropical diversity in this family of insects. Herein, thirty-seven species are newly recorded for Vietnam, and four are described as new to science. Comments on their affinities and distribution are provided, highlighting the biological richness of a rapidly developing country with human impacts.

**Key words:** insecta, new species, new records, taxonomy

### Introduction

The Tingidae (Hemiptera: Heteroptera) contains around 2500 species spread worldwide, with most occurring in the tropical regions. Tingidae from the Oriental Region were previously studied, however extensive works have not been done since Drake (1948), Drake & Maa (1953; 1954; 1955), and Drake & Poor (1937). There have been some occasional papers by Péricart (1986, 1991, 2000), but no studies specifically on the Tingidae of Vietnam. Horváth (1906) described the first species from Vietnam (*Diconocoris capusi*), and today fifteen species are currently recognized, mostly described by Drake and collaborators from 1937 to 1961. Since then, no additional species have been described.

This study incorporates specimens from various institutions representing 76 collecting sites in Vietnam (Fig. 1), improving the knowledge of Tingidae in this country. Thirty-seven species are recorded for the first time, and four species are described as new to science: *Agramma bishopae*, *Agramma diversae*, *Stephanitis (Norba) vietnamensis*, and *Tanytingis magnus*.

### Material and methods

All specimens were analyzed with a binocular Leica MZ16 microscope. Sex is demarcated with an M for male, and an F for female. All measurements are in millimeters. The specimens are deposited in their original institutions unless specified, most specimens coming from the B. P. Bishop Museum (BPBM), the Royal Institute of Natural Science of Belgium (IRSNB), the Hungarian Museum of Natural History (HMNH), and the French National Museum of Natural History (MNHN). The results are separated in two sections: new records, and description of new species. Both sections are ordered alphabetically by subfamilies, genera and species.

### Results

#### New records

#### Cantacaderinae Stål