



Jinhaku Sonan's skipper type collection deposited at Taiwan Agricultural Research Institute (Lepidoptera: HesperIIDae)

HIDEYUKI CHIBA¹, YU-FENG HSU^{2,6}, HIROSHI TSUKIYAMA³, PHILIP YIK-FUI LO⁴,
CHIEN-REN CHEN² & SHOU-MING WANG⁵

¹Natural Science Department, Bishop Museum, Honolulu, HI 96817 0916, USA. E-mail: skipper@i.bekkoame.ne.jp

²Department of Life Science, National Taiwan Normal University, Taipei, Taiwan 116, R.O.C. E-mail: t43018@ntnu.edu.tw

³4-18, Narashoinodai # 2-203, Funabashi-Shi, Chiba Pref. 274-0063. E-mail: tukiya@gol.com

⁴China Programme, Kadoorie Farm and Botanic Garden, Lam Kam Road, Tai Po, New Territories, Hong Kong. E-mail: philiplo@kfbg.org

⁵Conservation Section, Conservation and Recreation Division, Forestry Bureau, Council of Agriculture, Executive Yuan, Taipei, Taiwan 100, R.O.C. E-mail: falcon@forest.gov.tw

⁶Corresponding author

Abstract

Of the 12 skipper taxa described by Jinhaku Sonan (1892-1984) from Taiwan and Hainan Island, 2 are recognized as valid species-level names, 4 as valid subspecies-level names, whereas the remaining 6 are considered junior subjective synonyms of other taxa. A revised status is established for a Hainan taxon, *Tagiades japetus hainana* Sonan, **stat. rev.**, and *Polytremis kiraizana* (Sonan) is formally confirmed as a species endemic to Taiwan. The valid species-level names are *Ochlodes niitakanus* (Sonan) and *Polytremis kiraizana* (Sonan). The valid subspecies-level names are *Lobocla bifasciata kodairai* Sonan, *Pseudocoladenia dan sadakoe* Sonan & Mitono, *Notocrypta feisthamelii arisana* Sonan, and *Tagiades japetus hainana* Sonan. *Tagiades menaka kotoshona* Sonan is considered a junior subjective synonym of *T. trebellius martinus* Plötz, *Ampittia maro matsumurai* Sonan a junior subjective synonym of *Ampittia dioscorides etura* Mabille, *Parnara kotoshona* Sonan a junior subjective synonym of *Parnara guttata* (Bremer & Grey), *Parnara ranrunna* Sonan a junior subjective synonym of *Caltoris cahira austeni* (Moore), *Gangara thyraxis hainana* Sonan a junior subjective synonym of *Gangara thyraxis thyraxis* (Fabricius), and *Telicota palmarum hainanum* Sonan a junior subjective synonym of *Cephrenes acalle oceanica* (Mabille) in the present study.

Key words: HesperIIDae, Formosa, Hainan, taxonomy

Introduction

The Japanese entomologist Dr. Jinhaku Sonan (1892–1984) is considered one of the most productive naturalists studying the fauna of Taiwan (Formosa) before and during World War II (Chu 2005). It was estimated over a hundred articles on the fauna of Taiwan were published by him during an approximate 30-year period from 1911, when he published his first entomological article on thrips, to the end of World War II (Wu 1996). He was considered one of the pioneer researchers on the agricultural pests of Taiwan, with pests of tea being the focus (Anonymous 1984). Besides applied entomology, Sonan also contributed considerably on taxonomy and biology of many insect groups, especially wasps and butterflies. The groups of insects he studied included Lepidoptera, Odonata, Hymenoptera (parasitic wasps), Hemiptera (cicadas), and Orthoptera (locusts); he even contributed on vertebrate study by writing an article on biology of pangolins and discovering the first salamander species from Taiwan (Wu 1996). In addition to the fauna of Taiwan, Sonan also published on the fauna of Japan and Hainan Island of southern China (Sonan 1930a, 1938a; Anonymous 1984).