

**A new *Oospira* (*Formosana*) species  
from Guangxi, South China (Gastropoda: Pulmonata: Clausiliidae)**

Wim J. M. MAASSEN

National Museum of Natural History 'Naturalis', P.O. Box 3517, NL 2300 RA Leiden, The Netherlands;  
maassen@naturalis.nnm.nl

*Oospira* (*Formosana*) *liujinae* spec. nov., a new species of the terrestrial, pulmonate family Clausiliidae is described from the province of Guangxi in southern China.

Key words: Gastropoda, Pulmonata, Clausiliidae, *Oospira*, *Formosana*, taxonomy, South East Asia, China.

INTRODUCTION

During a visit to the Mulun Nature Reserve in the province Guangxi in southern China, Mr. T. Whitten had the opportunity to collect some molluscs and about one litre of leaf litter. He kindly submitted this material to me in order to study the land molluscs. Among c. 40 species of terrestrial molluscs, three species of Clausiliidae were found, one of these represented by only some apical whorls and therefore unidentifiable. The other two species, belonging to two different genera, were considered new to science. This was confirmed by a survey of the literature and agreed upon by Mr H. Nordsieck, who will describe one of the new species (*Hemiphaedusa* spec.). The second one is described below.

Although the Chinese terrestrial molluscan fauna is relatively poorly known, with only a few papers that are published during the last decennia, the family Clausiliidae is an exception. From 1998 on, Luo et al. (1998) and Nordsieck (2001, 2002, 2003, 2005, 2007) described a fairly large number of new species, accompanied by superb figures.

Abbreviations for shell characters: W, width; H, height. For collections: IZCAS, Institute of Zoology, Chinese Academy of Sciences, Beijing (China); MD, W.J.M.Maassen, Duivendrecht (The Netherlands) (material to be deposited in RMNH); RMNH, National Museum of Natural History (formerly Rijksmuseum van Natuurlijke Historie), Leiden (The Netherlands).

SYSTEMATIC PART

Genus *Oospira* Blanford, 1872.

Genus *Oospira* Blanford, 1872, type species: *Clausilia philippiana* L. Pfeiffer, 1847 (Burma).

Subgenus *Formosana* O. Boettger, 1877.

Subgenus *Formosana* O. Boettger, 1877, type species *Clausilia swinhoei* L. Pfeiffer, 1865 (Taiwan).

***Oospira* (*Formosana*) *liujinae* spec. nov (fig. 1)**

Material examined. — China, province of Guangxi, northern Guangxi near the border with the province of Guizhou, south edge of Mulun Nature Reserve, leg. T. Whitten (IZCAS/holotype; paratypes RMNH ...../1, MD/2).

Description. — Shell dextral, apical part very slender conical; light horn-coloured, upper whorls with indistinct paler subsutural zone. Upper teleoconch whorls distinctly and regularly rib-striated, lower ones more weakly and irregularly so, on the neck



Figures 1-2. *Oospira* (*Formosana*) species. 1, *O. (F.) dextrogyra* (Bavay & Dautzenberg, 1909), Tonkin (= Vietnam), Pac-Kha; Messenger leg., ex. coll. F. Loosjes (RMNH, possible syntype) (actual height 14.0 mm). 2, *O. (F.) liujinae* spec. nov., China, Guangxi Zhuang, S-edge of Maolan Nature Reserve, at border with Guizhou; ix.2004, T. Whitten leg. (IZCAS, holotype) (actual height 14.3 mm).

strongly and regularly; white sutural thread indistinct. Neck rounded, subsutural swelling present (especially behind the peristome). Aperture protruding, oval-piriform; peristome somewhat thickened. Superior lamella indistinctly separated from spiral lamella, both lamellae not parallel; inferior lamella steeply ascending, moderately high to low inside the shell, with a weak thickening on the columellar edge, continued to the peristome. Subcolumellar lamella somewhat curved below, continued to the peristome. Lunellar dorsolateral-lateral to nearly lateral in position; principal plica ending ventrolaterally or ventrally, shortened in front (ending about dorsally). Four palatal plicae present, lowest one shortened. Clausilium plate in oblique view partly visible. Spiral lamella penetrating less deeply than or nearly as deeply as inferior lamella, ending ventrally to near-

ly right-laterally (visible through the transparent shell).

Dimensions (n = 4): H 14.3-14.9-15.3 mm; W 3.9-4.0-4.1 mm.

Remarks. — The conchologically most similar species, *Oospira* (*Formosana*) *ooharai* Nordsieck, 2007, from China, Yunnan province, can be distinguished from *O. (F.) liujinae* spec. nov. by its more conical apical whorls, both the lamellae columellaris and subcolumellaris being well visible in front view and less plicae at the palatal side. Maybe *O. liujinae* occurs also in northern Vietnam since recently *O. (F.) dextrogyra* (Bavay & Dautzenberg, 1909) (fig. 2) became known from Guangxi (Nordsieck, 2005: 30).

Derivatio nominis. — Named after Mrs. Liu Jin of the World Bank, Beijing, for her great efforts to ensure the conservation of the limestone ecosystems of Guangxi, South China.

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