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NOTES ON *OENOPIA* MULSANT (COLEOPTERA: COCCINELLIDAE)

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Abstract.—*Cycloneda pusilla* Weise is transferred to *Oenopia* Mulsant (**n. comb.**), a lectotype for the species is designated, and the type locality is corrected from Prov. Entre Rios, Argentina, to Kinabalu, Sabah, Malaysia (Borneo). *Coelophora parvula* Sicard is placed as a **new synonym**. Some of the taxonomic literature on *Oenopia* is reviewed. Key characteristics of the genus are discussed and other relevant remarks presented. This is the second species of *Oenopia* which has been incorrectly listed in catalogs and checklists of the New World fauna.

Key Words: Coccinellini, *Oenopia*, *Coccinella*, *Cycloneda*, synonyms, Neotropical, Malaysia, misplaced taxa.

Examination of some of Weise's type material from the Museum für Naturkunde der Humboldt-Universität, Berlin (ZMHB) revealed a case of erroneous and startling generic assignment of a small hemispherical lady beetle: *Cycloneda pusilla* Weise. Misclassification of species in the Neotropical genus *Cycloneda* (Coccinellinae; Coccinellini) is not in itself unexpected. In the most recent checklist for this region (Blackwelder 1945), nearly 95% of the species placed in *Cycloneda* are misassigned, while more than half of the presently recognized members are incorrectly listed under *Coccinella* (Vandenberg 1992, Gordon and Vandenberg 1993). What is remarkable about the species in question is not that it was misclassified, but that it has been listed as a member of the Neotropical fauna for nearly 90 years (Weise 1906, Korchesky 1932, Blackwelder 1945, Mader 1958) while in fact representing a senior synonym of a species of *Oenopia* known exclusively from islands of the Malaysian Province (Flores and "Borneo").

The present paper gives a brief overview of the Old world genus *Oenopia*, makes a lectotype designation for *C. pusilla* Weise, recognizes the new combination *Oenopia pusilla* (Weise), presents a new synonymy and its justification, corrects the erroneous type locality, and draws attention to a similar occurrence of a misplaced *Oenopia* species.

OVERVIEW OF *OENOPIA* Mulsant

Oenopia is an Old World genus of aphidophagous coccinellines recorded from Europe, Asiatic Russia, Africa, India, Sri Lanka, China, Japan, Philippines, New Guinea, and Australia (Pope 1988). Recent revisionary work includes Iablokoff-Khnzorian (1982; Palearctic), Xibei and Shaanxi (1985; China) Fürsch (1988; Africa) and Pope (1988; Australia). Members of the genus present a very diverse facies, from rounded convex forms at one extreme (previously classified in *Gyrocaria* Timberlake) to elongate flattened forms at the other (formerly *Synharmonia* Ganglbauer). The nu-

merous generic names that arose due to this morphological lability were synonymized by Iablokoff-Khnzorian (1982), and more recently the genus *Paramulsantina* Hoang (1982), proposed for two Vietnamese species, was synonymized by Jadwiszczak and Pokojowczyk (1990). Despite external differences, members of *Oenopia* are strongly united by characteristics of the genitalia of both sexes (Figs. 1, 2, 5). The female genitalia have a very unusual and consistent form of spermatheca with a highly elongate, apically swollen ramus; short flexible sperm duct, and small diagnostically shaped infundibulum. The male genitalia are more variable and can be used for species determination, but they typically have arched parameres and an upturned, medially notched basal lobe.

***Oenopia pusilla* (Weise),
NEW COMBINATION**

(Figs. 3, 4, 5)

Cycloneda pusilla Weise, 1906:219;
Korchefsky 1932:285; Blackwelder 1945:
452; Mader 1958:246.

Coelophora parvula Sicard, 1912:510. **New synonymy.**

Gyrocaria parvula: Bielawski, 1964:86–88.

Oenopia parvula: Iablokoff-Khnzorian
1982:400.

Lectotype of *Cycloneda pusilla* Weise:
female (present designation), Entre rios
[white paper]/Entre Rios Heyne [green
paper]/*Cycloneda pusilla* m [white
paper]. (ZMHB).

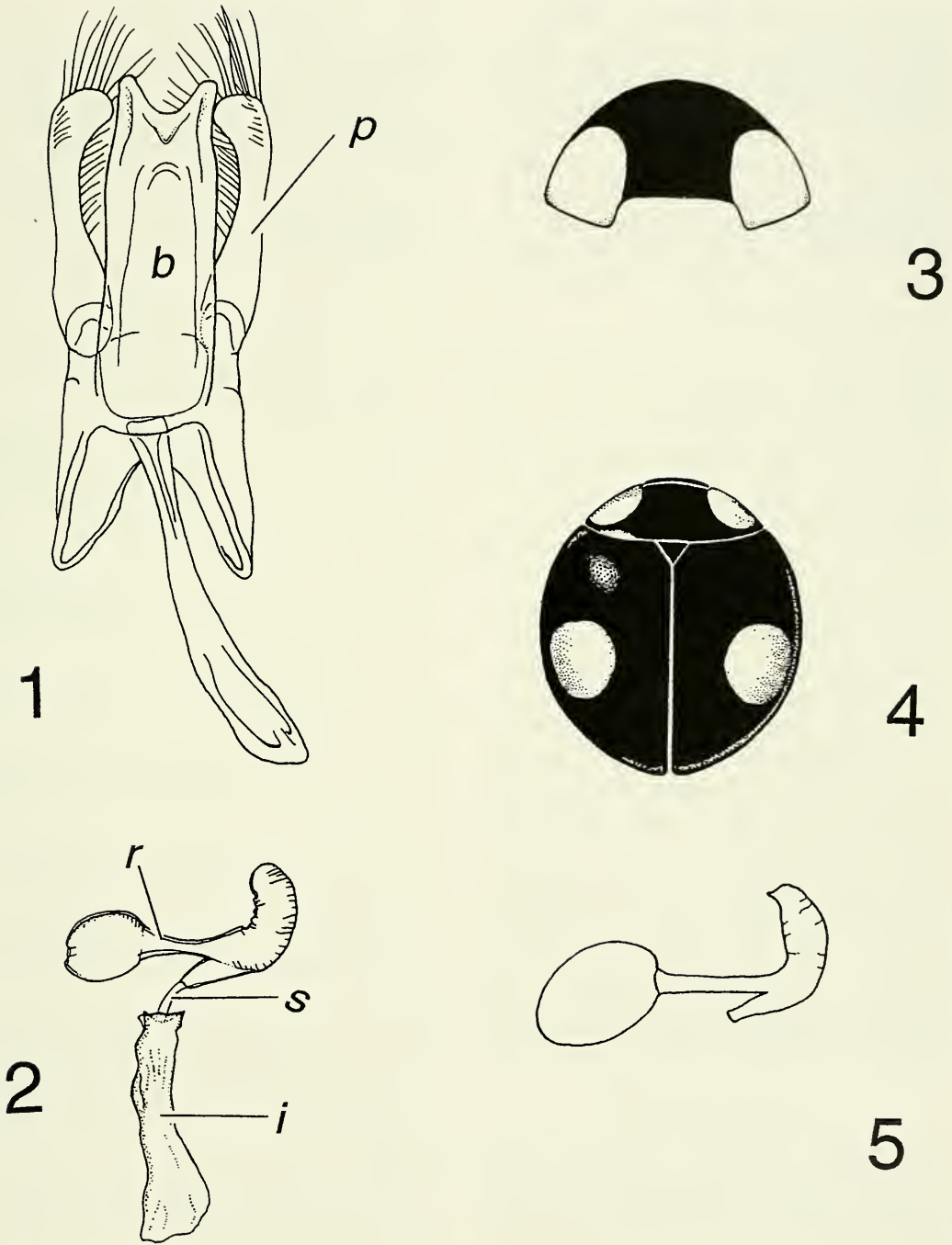
Corrected type locality: Kinabalu, Sabah,
Malaysia (Borneo).

The original description of *Cycloneda pusilla* Weise appears as a footnote in a publication on some Argentine beetles in the collection of Bruch (Weise 1906), but no examples of this species are to be found among the other type material from the Bruch collection housed at Museo Argentino de Ciencias Naturales, Buenos Aires (A. Bachmann, curator, pers. comm.). Weise's description specified that the

species was from the collection of "Rolle," therefore probably never part of the Bruch collection at all and hence its treatment as a footnote. A single female of *C. pusilla* labeled as specified above was located at the Humbolt Museum (ZMHB). The second label bears the name "Heyne" rather than "Rolle", but according to Horn (1937), the brothers A. and M. Heyne (London) were insect sellers from whom H. Rolle (Berlin) purchased specimens. The bottom label is in Weise's distinctive script and signed with an "m [=mih]" which was often his habit, so there is little doubt that the specimen is the holotype or at least part of the original type series. To resolve the uncertainty, the specimen is designated as lectotype. The lectotype is in perfect agreement with the type description in size, coloration and markings.

The synonymy of *C. parvula* Sicard with *C. pusilla* is based upon comparison of the lectotype with material in the National Museum of Natural history, in particular a series of four specimens identified as *C. parvula* by R. Korchefsky, including a card mounted pair labeled "cum typ. comp." *Cycloneda pusilla* is in full agreement with both the original description of *C. parvula* and its redescription by Bielawski (1964). The latter author examined a specimen determined by Sicard which was collected at the type locality (Kinabalu, Sabah, Malaysia). Bielawski's habitus drawing of a male specimen matches the lectotype of *C. parvula* except for the pale head coloration which is a male characteristic.

In accordance with Recommendation 72H of the International code of Zoological Nomenclature (1985), a "statement of a type locality that is found to be erroneous should be corrected." The type locality specified by Weise (1906) for *C. pusilla* was "Prov. Entre Rios". This locality is in Argentina but erroneously placed in Brazil by Korchefsky (1932). Other "Entre Rios" localities are in Bolivia (1), Brazil (3), Mozambique (1), and Colombia (1). None of these alternatives appear to be a



Figs. 1–2. Characteristic form of genitalia in *Oenopia* spp. (*Oenopia conglobata*. 1, Male genitalia (b = basal lobe; p = paramere). 2, Female genitalia (r = ramus of spermatheca; s = sperm duct; i = infundibulum). Figs. 3–5. Morphological structures of *Oenopia pusilla*, lectotype. 3, Anterior view of pronotum. 4, Dorsal habitus. 5, Spermatheca.

reasonable type locality for *C. pusilla*, a species known only from two islands of the Malaysian province: Borneo and Flores (Bielawski 1964). Interestingly, the upper label on the lectotype does not capitalize the "rios" in "Entre rios" which may indicate that the specimen was captured "between rivers" (e.g. any two rivers) and not necessarily in a place with that name. The corrected type locality is adopted from that of the junior synonym.

This is the second case of an *Oenopia* species mistakenly attributed to the New World fauna (Vandenberg 1992). Weise (1904) correctly pointed out that *Coccinella maculosa* Gorham, illustrated and described from Oaxaca, Mexico (Gorham 1891), is identical to the common European species *Oenopia conglobata*. Unfortunately, modern works have failed to pick up on the synonymy, or simply did not accredit Weise's discovery since several other synonymies proposed in the same work were erroneous. Korchevsky (1932) and Blackwelder (1945) included *C. maculosa* in their listings of New World fauna, perpetuating the misassignment. *Oenopia conglobata* has not resurfaced in the Western Hemisphere for more than 100 years since *C. maculosa* was described from Oaxaca, Mexico. It has been released many times in North America over the last 40 years (Gordon 1985, Gordon and Vandenberg 1991), but apparently never established. Hence, the case of *C. maculosa* appears to be a simple one of mislabeling.

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