

A new *Danaus* species from Central-Celebes  
by  
E. J. NIEUWENHUIS

Some time ago the Natuurhistorisch Museum at Rotterdam received a small collection of Rhopalocera from Celebes in which I found two male specimens of

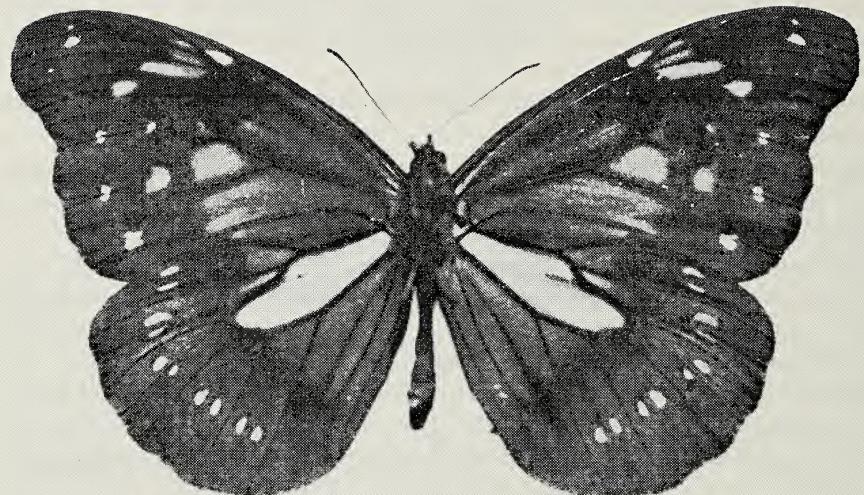
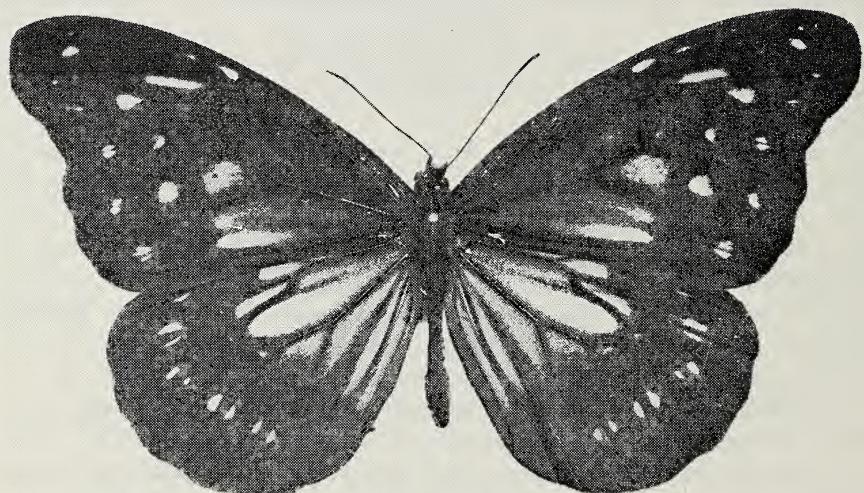


Foto: A. W. JANSSEN

*Danaus toxopei*, nov. spec., male, holotype, upperside (above) und underside (below).

a *Danaus* species, which was unknown to me. It is a very remarkable *Danaus*, belonging to the *melaneus* group (subgenus *Chittira* Moore). Already two species of this group are known in Celebes, viz. *D. albatus* Zink. and *D. menadensis* Moore. The upperside of the new species resembles a darkened *menadensis*, whereas the underside suggests *D. albatus sulewattan* Frhst., the subspecies of *albatus* flying in the same territory, with this difference, that the white underside markings of *sulewattan* have a yellow colour.

The forewing (length 44 mm) has blackish brown upperside with greenish ochreous spots and stripes which have the same distribution as in *menadensis*. Only the subapical band is composed of smaller stripes and the marginal spots are lacking on both wings. The whole pattern is more greenish than in *menadensis* where the colour is straw-yellow. The forewings are darkened at the base. The underside looks like that of *albatus sulewattan* Frhst., but is of a light greenish-yellow colour. Especially the cell of the hindwing, which is entirely yellow, is striking. I refer to the two photographs accompanying this paper.

In the moutains of Mindanao another member of the *melaneus* group, *Danaus danatti* occurs, described by TALBOT in *The Entomologist* 69 : 112, pl. 3, 1936, which has the underside of the wings somewhat resembling the new species, but the upperside with the base and disc of all wings is dark chestnut, giving a quite different impression.

Both specimens were captured near Pulu Pulu, a place situated 30 km N.W. of Rantepao, also on the nothern slopes of the Latimodjong mountains. The surroundings of Pulu Pulu, situated at an altitude of 1700 m, are quite inhospitable.

I name this species *Danaus toxopei* after my late friend Prof. Dr. L. J. TOXOPEUS, who contributed so much to our knowledge of the Indonesian Lepidoptera.

Holotype: ♂, Pulu Pulu (Central Celebes), 16 May 1966, in the Natuurhistorisch Museum at Rotterdam.

A second male specimen — a paratype — from the same locality, captured on the 11th May 1966, is in the same museum.

I have to thank Mr. T. G. HOWARTH, British Museum (Natural History), and Dr. W. FORSTER, Zoologische Sammlung des Bayerischen Staates, München, who consulted their collections in my behalf, and Mr. J. N. JUMALON, San Carlos University, Cebu city, for the loan of a specimen of *Danaus danatti* Talb.

Rotterdam, Bentincklaan 37a.

**Book Review.** The last months have been marked by the appearance of a series of outstanding works on the Microlepidoptera. This profusion shows a revival of considerable interest in the systematics of this usually rather neglected group of insects. The following reviews have been inadvertently delayed.

Józef RAZOWSKI. — *World Fauna of the Tortricini (Lepidoptera, Tortricidae)*. — Zaklad Zoologii System. Krakow, Polsk. Ak. Nauk, 1966, pp. 1—576, pl. I—XLI. — This is an elaborate and exhaustive revision of all the known forms of the world fauna belonging to the tribe, with complete redescriptions of all the genera and species and with text figures by the author of neuration and heads of all genera and of the genitalia of the two sexes (if known) of all the species concerned. 41 plates are made after photographs of type specimens, etc.