

ISSN 0972- 800

BIONOTES

VOLUME 21, NO. 3

QUARTERLY

JULY-SEPTEMBER, 2019



Date of Publication: 28th September, 2019

BIONOTES

A Quarterly Newsletter for Research Notes and News
On Any Aspect Related with Life Forms

BIONOTES articles are abstracted/indexed/available in the Indian Science Abstracts, INSDOC; Zoological Record; **Thomson Reuters (U.S.A); CAB International (U.K.); The Natural History Museum Library & Archives, London; Library Naturkundemuseum, Erfurt (Germany)** etc. and online databases.

Founder Editor

Dr. R.K. Varshney,
Ex- Additional Director,
Zoological Survey of India, Kolkata

Manuscripts:

Please E-mail to petersmetacek@gmail.com.
Guidelines for Authors: BIONOTES publishes short notes on any aspect of biology. Usually submissions are reviewed by one or two reviewers.

Kindly submit a manuscript after studying the format used in this journal (<http://www.entosocindia.org/>). Editor reserves the right to reject articles that do not adhere to our format. Please provide a contact telephone number. Photographs may be included in the E-edition of the journal. No proofs will be supplied. Authors will be provided with a pdf file of their publication.

Rates of Membership (per calendar year):

India: Individuals: Rs. 150/- Institutions: Rs. 700/- . Abroad: US \$ 20/- (by sea mail).
Back volumes are available @ Rs. 800/- in India.

Published by Dr. R.K. Varshney, A Biologists Confrerie, Raj Bhawan, Manik Chowk, Aligarh (up to volume 20 (2018)) R.N.I. Registration No. 71669/99.

Publication Policy:

Information, statements or findings published are the views of its author/ source only.

Page Charges:

First page or part thereof: Rs.250/-.
Subsequent pages or part thereof: Rs. 200/- each.

Payments:

Please send a bank draft/Multi City Cheque in the name of 'BUTTERFLY RESEARCH TRUST' payable at BHIMTAL to the address given below. For sending money by NEFT, bank particulars are Butterfly Research Trust, IDBI BANK, BHIMTAL branch IFSC IBLK0000404 A/C No. 0404104000034663. Please inform us separately after NEFT Payment.

Address for Correspondence: Butterfly Research Centre, Bhimtal, Uttarakhand 263 136, India. Phone: ++91 8938896403 Email: butterflyresearchcentre@gmail.com

From Volume 21

Published by the Entomological Society of India (ESI), New Delhi (Nodal Officer: V.V. Ramamurthy, ESI, New Delhi)

And

Butterfly Research Centre, Bhimtal
Executive Editor: Peter Smetacek
Assistant Editor: Shristee Panthee
Butterfly Research Trust, Bhimtal

Cover Photo by Tshulthrim Drukpa of a *Nymphalis antiopa* Butterfly

TABLE OF CONTENTS

FIRST REPORT OF COMMON FIVE-RING <i>YPHIMA BALDUS</i> (INSECTA: LEPIDOPTERA: NYMPHALIDAE) FOR PAKISTAN by Muhammad Akram Awan & Saghir Hassan	58
<i>BAORISA HIEROGLYPHICA</i> (INSECTA: LEPIDOPTERA: NOCTUIDAE) IN HIMACHAL PRADESH by Usha Hooda	60
RE-DISCOVERY OF THE PRICKLY ASH ELFIN <i>AHLBERGIA HARADAI</i> (IGARASHI, 1973) (INSECTA: LEPIDOPTERA: LYCAENIDAE) IN NEPAL by Piet van der Poel & Mahendra Singh Limbu	61
<i>CAMPTOLOMA MANGPUA</i> (INSECTA: LEPIDOPTERA: NOLIDAE) IN ARUNACHAL PRADESH, INDIA by Alka Vaidya & Peter Smetacek	63
FIRST REPORT OF <i>DANAUS CHRYSIPPUS</i> FORM <i>DORIPPUS</i> (INSECTA: LEPIDOPTERA: NYMPHALIDAE) FROM ANDHRA PRADESH, INDIA by M Yuvaraj & Peter Smetacek	65
CHELONIOPHAGY BY CHECKERED KEELBACK, <i>XENOCHROPHIS PISCATOR</i> (SCHNEIDER, 1799) ON INDIAN PEACOCK SOFTSHELL TURTLE, <i>NILSONNIA HURUM</i> (GRAY, 1830) by Kritagya Gyawali	67
<i>NYMPHALIS ANTIOPA</i> (INSECTA: LEPIDOPTERA: NYMPHALIDAE) IN THE HIMALAYA by Karma Wangdi, Tshulthrim Drukpa & Piet van der Poel	71
THREE NEW LYCAENID BUTTERFLY RANGE EXTENSIONS FROM CHHATTISGARH, INDIA by Anupam Sisodia, Nileshkumar Kshirsagar (I.A.S.) & Saurabh Singh	73
FIRST REPORT OF THE MOTH <i>XYLOPHYLLA PUNCTIFASCIA</i> (LEECH, 1900) (INSECTA: LEPIDOPTERA: EREBIDAE) FROM INDIA by Alka Vaidya	76
MITES ON SOME MEDICINAL PLANTS OCCURRING IN PURULIA AND BANKURA DISTRICTS OF SOUTH BENGAL WITH TWO NEW REPORTS FROM INDIA ALONG WITH KEYS TO DIFFERENT TAXONOMIC CATEGORIES by Afsana Mondal & Salil K. Gupta	78
CONTRIBUTION TO THE KNOWLEDGE OF BUTTERFLIES IN AND AROUND SUKINDA VALLEY, ODISHA, INDIA by Suraj Kumar Dash, Soubhagya Kumar Sahoo, Arajush Payra & Siba Mohanty	90
THE HAWKMOTHS (LEPIDOPTERA: SPHINGIDAE) OF MUSSOORIE, UTTARAKHAND, INDIA: CONFIRMATION OF FAUNAL DRIFT IN RESPONSE TO CLIMATE CHANGE by Rajashree Bhuyan, Sindhu Ramachandran Clark & Peter Smetacek	99
<i>CHALCOSIOPSIS VARIATA</i> (INSECTA: LEPIDOPTERA: ZYGAENIDAE) IN ARUNACHAL PRADESH, INDIA by Peter Smetacek	103

***CHALCOSIOPSIS VARIATA* (INSECTA: LEPIDOPTERA: ZYGAENIDAE) IN ARUNACHAL PRADESH, INDIA**

PETER SMETACEK

Butterfly Research Centre, Bhimtal, Uttarakhand, 263 136, India

[*petersmetacek@gmail.com*](mailto:petersmetacek@gmail.com)

Reviewer: Alka Vaidya

Introduction

The little known moth *Chalcosiopsis variata* Swinhoe, 1894 was described on the basis of four female specimens from Shillong, Meghalaya, India. The present whereabouts of this series of specimens is unknown according to the card index in the Natural History Museum, London, U.K. A single specimen of what appears to be a male was recorded from the Mishmi Hills of Arunachal Pradesh. Following the data of specimen:

Chalcosiopsis Swinhoe, 1894

C. variata Swinhoe, 1894

Material Examined:

1 Male; Forewing 14 mm, expanse 32 mm. 8.v.2019. Km 17 on Hunli to Anini road, 600 m, Lower Dibang district, Arunachal Pradesh, India. *Leg., det. et Coll.* Peter Smetacek, Butterfly Research Centre, Bhimtal.

Remarks: The present record extends the known distribution of this species to Arunachal Pradesh from the type locality in Meghalaya. It was attracted to artificial light at night, although it might also be active during the daytime. If the type series was indeed obtained in Shillong (1520 m) rather than in some nearby location, then this taxon

inhabits the altitudinal belt between 600 m and 1520 m. There is no information available about the flight time of the type series.

The specimen examined is 4 mm smaller than the type series, which had an expanse of 36 mm.

In the type series, the extent of the broad black border to the hindwing *recto* was noted to be variable. In the specimen examined, the antennae are minutely ciliated and appear shorter than those of the specimen illustrated by Hampson (1896). On the forewing, the oblique white band from the costa is straight, not slightly curved as illustrated in Hampson (1896).

Acknowledgement

I am grateful to Jibi Pulu, of Roing, Arunachal Pradesh, for support and encouragement.

Reference

Hampson, G.W. 1896. *The Fauna of British India including Ceylon and Burma*. Moths Vol. 4. Taylor & Francis, London. xxviii+ 594 pp.



Fig 1: *Chalcosiopsis variata* verso surface



Fig 2: *Chalcosiopsis variata* recto surface