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Cover Photo of founder of BIONOTES *Late* Dr. R.K. Varshney

TABLE OF CONTENTS

OBITUARY: OUR FOUNDER, DR. RAJENDRA KUMAR VARSHNEY by Ashutosh Varshney & Anurag Varshney	35
PORTRAIT OF A GENTLEMAN by Peter Smetacek	37
PUBLICATIONS OF DR. R.K. VARSHNEY by Bandana Subedi	40
CITY IF NOT FOREST: NEW HABITAT RECORD OF <i>MACROMIA CINGULATA</i> RAMBUR, 1842 (ODONATA, MACROMIIDAE) by C. Susanth Kumar & Arya Meher. B. S	48
<i>DIOSCOREA ESCULENTA</i> (LOUR.) BURKILL AS A LARVAL HOST PLANT OF <i>TAGIADES</i> <i>JAPETUS</i> (STOLL, [1781]) (INSECTA: LEPIDOPTERA: HESPERIIDAE) by Smritirekha Bortamuly & Rajib Dey	52
RECORD OF <i>STUENINGERIA NEPALENSIS</i> LEHMANN, 2019 (INSECTA: LEPIDOPTERA: METARBELIDAE) IN BHUTAN by Jatishwor Singh Irungbam	56
FIRST RECORDS FOR NEPAL OF <i>ALBULINA ARCASEIA</i> AND <i>ALBULINA PHARIS</i> (LYCAENIDAE) FROM THE HREBLAY COLLECTION by Piet Van Der Poel & Zsolt Bálint	59
SIGHTING OF PLAIN TIGER (<i>DANAUS CHRYSIPPUS</i> , LINN., 1758) FORM <i>DORIPPUS</i> IN NEW DELHI, INDIA by Rajesh Chaudhary	64
FIRST RECORD OF COMMON CILIATE BLUE BUTTERFLY <i>ANTHENE EMOLUS</i> (INSECTA: LEPIDOPTERA: LYCAENIDAE) FROM UTTAR PRADESH, INDIA by Sushmita, Babita Sharma & Ashok Kumar	65
ARECA PALM <i>DYPSIS LUTESCENS</i> (ARECACEAE) AS NEW LARVAL HOST PLANT FOR THE GIANT REDEYE BUTTERFLY <i>GANGARA THYRSIS</i> (INSECTA: LEPIDOPTERA: HESPERIIDAE) by Raju Kasambe	67
REPORT OF A LIVE RECORD OF <i>NEPTIS ASPASIA</i> (SYN: <i>PHAEDYMA ASPASIA</i>), LEECH, 1890, (LEPIDOPTERA: NYMPHALIDAE: LIMENITIDINAE: NEPTINI) FROM INDIA AFTER 68 YEARS by Chandrasekharan VK, Balakrishnan Valappil, Vidya Venkatesh, Gauri D Desai & Purnendu Roy	70
AVIAN DIVERSITY IN URBAN AREAS OF LAKE TOWN, KOLKATA, WEST BENGAL by A. Chowdhury	73
FIRST REPORT OF GENUS <i>PADENIA</i> MOORE, 1882 (LEPIDOPTERA: EREBIDAE: ARCTIINAE: LITHOSIINI) FROM ASSAM, INDIA by Monish Kumar Thapa	76

- MURRAYA KOENIGII* (RUTACEAE), A NEW LARVAL HOST PLANT OF *ANTHENE LYCAENINA* (INSECTA: LEPIDOPTERA: LYCAENIDAE)
by Tanmoy Bhowmick 78
- EGG CANNIBALISM BY CATERPILLARS OF THE TAWNY COSTER BUTTERFLY, *ACRAEA TERPSICORE* (LEPIDOPTERA: NYMPHALIDAE) IN INDIA
by Raghavendra Rajadhyaksha & Raju Kasambe 81
- NEW RECORD OF FREAK *CALINAGA* (INSECTA: LEPIDOPTERA: NYMPHALIDAE) FROM EASTERN HIMALAYA, NEPAL
by Sanjaya Raj Tamang & Shristee Panthee 83
- FOUR ADDITIONS TO THE LANTERNFLY (INSECTA: FULGOROIDEA: FULGORIDAE) FAUNA OF NEPAL
by Sajjan K.C. & Bishnu Prasad Neupane 86
- GENERA OF ANTS ASSOCIATED WITH LARVAE OF PLAINS CUPID (*CHILADES PANDAVA*, HORSFIELD, 1829) (INSECTA: LEPIDOPTERA: LYCAENIDAE) INFESTING CYCAS, IN DELHI, INDIA, AND AN INSIGHT INTO THE NATURE OF THEIR INTERACTION
by Rajesh Chaudhary & Vinesh Kumar 90
- CHECKLIST OF BUTTERFLIES (INSECTA: LEPIDOPTERA) FROM FOUR DISTRICTS OF CHHATTISGARH, INDIA WITH THREE ADDITIONS TO THE STATE FAUNA OF BUTTERFLIES OF CHHATTISGARH
by H. N. Tandan, Gulab Chand, Ravi Naidu, Swati Tandan, Gulshan Kumar Sahu, Ramanand Agrawal & Tanuja 98
- OBSERVATION OF *OROLESTES SELYSI* (INSECTA: ODONATA: LESTIDAE) FROM ASSAM, INDIA
by Reji Chandran, Thomson Saburaj, Suresh V Kurup & A. Vivek Chandran 109
- SOME IMPORTANT RECORDS OF BUTTERFLIES FROM DHANKUTA AND SUNSARI, NEPAL
by Sajjan K.C 111
- NEW RECORDS OF *PSEUDANAPHES SIKKIMANUS* (INSECTA: CHALCIDOIDEA: MYMARIDAE) FROM MEGHALAYA, INDIA
by Bankerdonbor Kharbisnop & Sudhanya R. Hajong 117
- EXTENSION OF THE KNOWN FLOWERING PERIOD OF *RHODODENDRON ARBOREUM* TO JUNE IN NAINITAL DISTRICT, UTTARAKHAND, INDIA
by Ambica Agnihotri 119
- A NEW SPECIES OF *LEMAIREIA* NÄSSIG & HOLLOWAY (LEPIDOPTERA: SATURNIIDAE, SATURNIINAE) FROM NORTH-EASTERN INDIA
by Stefan Naumann & Peter Smetacek 122

<i>LYMANTRIA (PORTHETRIA) APICEBRUNNEA</i> (INSECTA: EREBIDAE: LYMANTRIINAE) IN ARUNACHAL PRADESH: AN ADDITION TO THE INDIAN FAUNA by Peter Smetacek & Ambica Agnihotri	127
SYMPATRY OF <i>B. LUDLOWI</i> AND <i>B. LIDDERDALII</i> AND RANGE EXTENSION OF <i>BHUTANITIS LUDLOWI</i> IN BHUTAN by Sonam Dorji & Kuenga Tshomo Dorji	129
THE SMALLEST KNOWN INDIAN CABBAGE WHITE <i>PIERIS CANIDIA</i> (INSECTA: LEPIDOPTERA: PIERIDAE) by Shristee Panthee & Ambica Agnihotri	132
FEEDING ECOLOGY OF THE INDIAN EAGLE OWL <i>BUBO BENGALENSIS</i> (AVES: STRIGIDAE) IN LUCKNOW DISTRICT, UTTAR PRADESH, INDIA by Daya Shanker Sharma, Ankit Sinha, Adesh Kumar & Amita Kanaujia	134
INDIVIDUAL VARIATION IN <i>NYCTEMERA ADVERSATA</i> (INSECTA: LEIPDOPTERA: EREBIDAE) IN THE INDIAN HIMALAYA by Peter Smetacek & Ambica Agnihotri	145

FIRST RECORD OF COMMON CILIATE BLUE BUTTERFLY *ANTHENE EMOLUS* (INSECTA: LEPIDOPTERA: LYCAENIDAE) FROM UTTAR PRADESH, INDIA

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Reviewer: Peter Smetacek

Abstract

Common Ciliate Blue *Anthene emolus* is reported for the first time from Uttar Pradesh.

Introduction

The Common Ciliate Blue, *A. emolus* (Godart 1824) is found from India to Southeast Asia. On the Indian subcontinent, the known distribution of *A. lycaenina* is from Uttarakhand (Sondhi, 2017) through Nepal eastwards to Arunachal Pradesh, the hills of north-eastern India and Bangladesh. The species is also known to occur in Orissa, Jharkhand, Bihar, Goa and from Southern Maharashtra to Kerala (Evans, 1932; Wynter-Blyth, 1957; Cantile, 1963; Smith, 1994; van Gasse, 2013, Varshney & Smetacek, 2015; Kehimkar, 2016).

Methodology

After a fine monsoon, on 30.ix.2020, the first author, Sushmita, photographed two worn individuals of this species with her mobile phone camera (Realme Note 5 Pro), feeding on flowers in the Butterfly Park of Lucknow Zoo (26° 50' 35.9" N 80° 57' 04.5" E; 121m above mean sea level), Hazratganj, District Lucknow, Uttar Pradesh, India. A third individual, apparently freshly emerged, was photographed by Babita Sharma at the same location with her cell phone camera (Redmi Note 9 Pro, Xiaomi) on 27.x.2020. Peter Smetacek identified and confirmed these photographs as *Anthene emolus* (Common Ciliate Blue).

Discussion

This is the first record of *Anthene emolus* from Lucknow district as well as from Uttar Pradesh. The butterfly park of Lucknow is situated in Nawab Wajid Ali Shah Zoological Garden (Lucknow Zoo). The climate of Lucknow is mild and generally warm and temperate (climate-data.org). *A. emolus* is essentially a forest species, which inhabits moist, dense forests at low elevations. They are active in open areas, at the edges of the forests and forests clearings (Bhakare & Ogale, 2018).

The records of the species at the same location a month apart suggest that there is a breeding colony of this species established in the Lucknow Zoo.

Conclusion

There is no record of *A. emolus* from Uttar Pradesh, India. Since it has been recorded from Bihar (Varshney & Smetacek, 2015), so it was expected from the neighboring state, Uttar Pradesh and the present report is a confirmatory record rather than a notable range extension.

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Fig.1 & 2: Common Ciliate Blue in Lucknow