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MOTHS RECORDED FROM DIFFERENT ELEVATIONS IN NAINITAL DISTRICT, KUMAON HIMALAYA, INDIA by PETER SMETACEK

INTRODUCTION

The present paper is based on observations carried out over thirty years in the Bhimtal valley (29 degrees 20'40"N 79 degrees 30'16"E) of Nainital district, and for one year at two other nearby locations in the same district, Ranibagh (400 m) and Gagar (2400 m). The intention is to clarify the altitudinal distribution of the moths found in this area, which is the outermost range of the Himalaya in this area.

When the observations began during the 1970s, Bhimtal was a small town with few electric lights. Today, it is a well lit town with several industries, government offices, etc. All of these are splendidly lit up at night. It is no wonder, therefore, that many more moths were attracted to mercury vapour light during the 1970s than are attracted nowadays.

The present paper is based on my collection, as well as material in Collection Hauenstein and Collection Hacker, both in Germany, some specimens in the Natural History Museum, London and in the University Museum, Oxford, U.K..

The list of 887 species is by no means exhaustive, for more than 350 species of moths in my collection await identification. However, there is sufficient material to add considerably to the present knowledge on the subject. Some species included in the present list have been reported in my earlier publications and some by other workers.

Those that are being reported from this area for the first time, which have previously only been recorded from either further east (Sikkim, Nepal) or further west (Himachal Pradesh, Garhwal) have a notation "new record" against their names. This does not include species that were known from both further east and west but had not been recorded from Kumaon proper previously, nor does this include those species whose distribution was noted to be "throughout India" by previous workers. In other words, the 164 new records on this list are cases where the range of the species has been extended further east or west, as the case may be.

Many families of micro-moths have not been included, since I have no means of identifying them. Perhaps these will be identified and published in the years to come.

SYSTEMATIC SECTION

A= Gagar (2400m)/Maheshkhan 2200m); B= Jones Estate, Bhimtal (1500m); C= Ranibagh (450m-600m)

COSSIDAE

Cossus cadambae Moore C (new record)
Xyleutes strix Linnaeus C (new record)
Duomitus leuconotus Walker B
Zeuzera multistrigata Moore AB
Zeuzera coffeae Nietner C (new record)

HEPIALIDAE

Palpifer sexnotatus Moore B
Hepialiscus nepalensis Walker A
Endoclita Felder species B

LIMACODIDAE

Scopelodes venosa Walker B (new record)
Scopelodes testacea Butler B (new record)
Scopelodes unicolor Westwood C (new record)
Hyphorma minax Walker B (new record)
Susica himalayana Holloway B (new record)
Thosea sevastopuloi Cock, Godfray & Holloway B
Aphendala cana Walker B
Aphendala tripartita Moore BC
Phocoderma velutina Kollar BC
Birthinga junctura Walker C (new record)
Miresa inornata Walker BC (new record)
Miresa bracteata Butler B (new record)
Parasa hilaris Westwood BC
Cania himalayana Holloway B
Chalcoscelides castaneipars Moore (new record) AB
Altha subnotata Walker BC
Demonarosa rufotesselata Moore B
Atosia himalayana Holloway B (new record)
Mahanta quadrilinea Moore AB (new record)

THYRIDIDAE

Striglina vialis Moore B
Striglina scitaria Walker ABC
Dysodia ignita Walker B
Rhodoneura myrtaea f. *fenestrata* Moore B
Camptochilus reticulatum Moore B (new record)
Herdonia Walker sp. B (new record)

ZYGAENIDAE

Epizygaena cashmirensis Kollar B
Epizygaena erythrosoma Hampson A
Brachartona quadrimaculata Moore A
Artona zebraica Butler B
Lophosoma cupreum Walker B
Tripanophora semihyalina Kollar B
Eterusia leptalina Kollar A B
Pidorus glaucopis Drury B (new record)
Heterusia aedea ssp. *edocla* Doubleday BC (new record)
Chalcusia pectinicornis Linnaeus B
Campylotes histrionicus Westwood AB
Gynautocera papilionaria Guérin-Ménéville B (new record)
Histia rhodope Cramer B (new record)
Agalope hyalina Kollar AB
Agalope bifasciata Hope AB
Phauda flammans Walker B

EPICOPIDAE

Epicopia polydorus Westwood B

PSYCHIDAE

Clania vareigata Snellen A (new record)

SPHINGIDAE

Acherontia lachesis Fabricius ABC
Acherontia styx Westwood BC
Agrius convolvuli Linnaeus ABC
Meganoton analis Felder & Felder A, B
Psilogramma menephron Cramer BC
Psilogramma increta Walker B
Pseudodolbina fo Walker B
Sphinx ligustri Linnaeus B
Thamnoecha uniformis Butler B
Dolbina inexacta Walker ABC
Ambulyx sericeipennis Butler AB
Ambulyx placida Moore B
Ambulyx maculifera Walker B
Ambulyx liturata Butler BC
Ambulyx ochracea Butler BC
Ambulyx substrigilis Westwood B
Clanis phalaris Cramer B
Clanis deucalion Walker AB
Clanis bilineata Walker AB

Clanis titan Rothschild & Jordan B
Polyptychus trilineatus Moore BC
Marumba cristata Butler B
Marumba spectabilis Butler AB
Marumba dyras Walker B
Marumba sperchius Menétriés AB
Langia zenzeroides Moore B
Clanidopsis exusta Butler AB
Cypa decolor Walker ABC
Cypa pallens Jordan B
Anambulyx elwesi Druce B
Hemaris saundersi Walker B
Cephonodes hylas Linnaeus BC
Cephonodes picus Cramer B
Daphnis hypothous Cramer B
Dahira rubiginosa Moore B
Ampelophaga rubiginosa Bremer & Grey AB
Acosmeryx naga Moore AB
Acosmeryx anceus Stoll BC
Acosmeryx socrates Boisduval BC
Acosmeryx omissa Rothschild & Jordan B
Eupanacra metallica Butler AB
Eupanacra variolosa Walker B
Eupanacra sinuata Rothschild & Jordan B
Eupanacra mydon Walker BC
Nephele didyma Fabricius BC
Gurelca masuriensis Butler B
Hayesiana triopus Westwood B
Macroglossum bombylans Boisduval B
Macroglossum belis Linnaeus B
Macroglossum saga Butler B
Rhopalopsyche nycteris Kollar AB
Hyles livornica Esper B
Deilephila rivularis Boisduval AB
Hippotion celerio Linnaeus B
Hippotion boerhaviae Fabricius B
Theretra nessus Drury ABC
Theretra boisduvali Bugnion BC
Theretra clotho Drury BC
Theretra alecto Linnaeus AB
Theretra oldenlandiae Fabricius ABC
Theretra griseomarginata Hampson BC
Theretra pallicosta Walker B
Rhyncholaba acteus Cramer B
Rhagastis velata Walker ABC
Rhagastis acuta Walker BC

Rhagastis castor Walker B
Rhagastis confusa Rothschild & Jordan AB
Rhagastis olivacea Moore AB
Cechenena mirabilis Butler AB
Cechenena minor Butler B
Cechenena scotti Rothschild AB

BOMBYCIDAE

Penicillifera apicalis Walker B
Ernolatia moorei Hutton B
Ocinara albicollis Walker BC
Gunda sikkima Moore C (new record)
Bombyx huttoni Westwood B
Mustilia falcipennis Walker AB (new record)
Mustilia sphingiformis Moore AB
Mustilia hepatica Moore AB

BRAHMAEIDAE

Brahmea wallichii Gray A (new record)
Brahmidia hearseyi White B

SATURNIIDAE

Actias selene Hübner B
Attacus atlas Linnaeus AB
Samia cynthia Drury BC
Anthraea roylei Moore B
Anthraea assamensis Westwood B
Dictyoploca simla Westwood B
Dictyoploca cachara Moore AB
Loepa katinka Westwood B

EUPTEROTIDAE

Ganisa postica Walker BC
Ganisa similis Moore B
Apona cashmirensis Kollar AB
Eupterote fabia Cramer ABC
Eupterote geminata Walker BC

LASIOCAMPIDAE

Bhima undulosa Walker B
Suana concolor Walker BC
Lebeda nobilis Walker B
Metanastria lidderdalii Butler B (new record)
Metanastria hyrtaca Cramer BC (new record)
Arguda flavovittata Moore AB
Arguda decurtata Moore B (new record)
Trabala vishnou Lef. ABC
Estigena pardalis Walker B
Euthrix laeta Walker B
Euthrix pyriformis Moore AB
Paralebeda plagifera Walker AB
Cyclophragma lineata Moore B
Gastropacha undulifera Walker B

NOTODONTIDAE

Tarsolepis fulgurifera Walker B (new record)
Tarsolepis rufobrunnea Rothschild B
Dudusa sphingiformis Moore B
Euhamponia niveiceps Walker AB
Phalera parivala Moore B
Phalera procera Felder & Felder B
Phalera raya Moore BC
Phalera grotei Moore B
Gangarides rosea Walker BC
Gargetta costigera Walker B
Turnaca acuta Walker BC (new record)
Eupydna longivitta Walker B
Eupydna eupatagia Hampson A
Ramesa tosta Walker B
Zaranga gigantea Druce AB
Zaranga pannosa Moore B
Fentonia ocypete Bremer B
Hyperaeschra dentata Hampson B
Suzukiana basistriga Moore B
Neostauropus alternus Walker BC
Stauropus limitaris Ebert B
Netria viridescens Walker B
Harpiya microsticta Swinhoe B
Quadricalcarifera fasciatus Moore B
Formofentonia orbifer Hampson A (new record)
Benbowia virescens Moore BC (new record)

Somera virens Dierl B
Somera viridifusca Walker B
Neocerura liturata Walker ABC
Cerura roesleri de Lattin, Becker & Bender B (type locality)
Damata longipennis Walker AB
Chadisra bipars Walker BC
Neopheosia fasciata Moore B
Fentonia excurvata Hampson B
Teleclita strigata Moore B (new record)
Acmeshachia albifascia Moore A
Lophopteryx ferruginosa Moore B
Allata sikkima Moore BC
Ginshachia gemmifera Moore A
Spataloides auritractata Moore B
Rosama plusioides Moore AB
Clostera pallida Walker ABC
Clostera restituta Walker B
Clostera undulata Hampson B
Cyphanta chortochlora Hampson A B

ARCTIIDAE

SYNTOMINAE

Caeneressa diaphana Kollar B
Syntomoides imaon Cramer BC
Amata bicincta Kollar B
Amata cyssea Cramer ABC
Amata georgina Butler B
Amata musa Swinhoe C
Trichaeta teneiformis Walker B

ARCTIINAE

Callindra equitalis Kollar AB
Callindra nyctemerata Moore A (new record)
Aglaomorpha plagiata Walker ABC
Utethesia lotrix Cramer BC
Nyctemera adversata Schaller BC
Nyctemera cenis Cramer B
Nyctemera arctata Walker BC (new record)
Argina astrea Drury BC
Mangina argus Kollar ABC
Pangora distorta Moore BC (new record)

Areas galactina Van der Hoeven AB
Areas imperialis Kollar AB
Alphaea impleta Walker A (new record)
Alphaea imbuta Walker B
Nannoarctia obliquifascia Hampson B
Rajendra perrotteti Guérin-Ménéville BC (new record)
Aloa lactinea Cramer BC
Cretonotus gangis Linnaeus BC
Cretonotus transiens Walker ABC
Cladarctia quadriramosa Kollar B
Juxtarctia multiguttata Walker BC
Spilarctia casigneta Kollar AB
Spilarctia comma Walker AB
Spilarctia leopardina Kollar A
Spilarctia neglecta Rothschild B (new record)
Spilarctia melanostigma Erschoff B
Spilarctia obliqua Walker B
Spilarctia erythrozona Kollar A
Spilarctia sagittifera Moore B
Lemyra melanosoma Hampson B
Lemyra rhodophila Walker AB
Olepa ricini Fabricius BC
Amerila astreus Drury BC

LITHOSIINAE

Macrobrochis gigas Walker BC (new record)
Macrobrochis prasena Moore BC
Macrobrochis pallens Hampson AB (new record)
Churinga rufifrons Moore AB
Sidyma albifinis Walker B
Vamuna remelana Moore ABC (new record)
Hesudra sericeipennis Moore B (new record)
Chrysorhabdia viridata Walker A (new record)
Chrysorhabdia bivitta Walker AB
Brunia antica Walker BC (new record)
“*Lithosia*” *nigrifrons* Moore B
“*Lithosia*” *innotata* Butler B
“*Lithosia*” *chrysophleps* Hampson BC (new record)
Mithuna quadriplaga Moore B (new record)
Eugoa bipunctata Walker BC (new record)
Sicca taprobanis Walker ABC
Cyana puella Drury BC
Cyana bianca Walker C (new record)
Cyana effracta Walker B

Cyana adita Moore AB
Cyana guttifera Walker B
Cyana detrita Walker B
Cyana gelida Walker BC
Cyana bellissima Moore BC
Cyana gazella Moore B
Cyana arama Moore AB
Cyana dohertyi Elwes BC
Asura undulosa Walker B
Asura calamaria Moore BC
Asura dasara Moore B
Asura conjunctana Walker B (new record)
Lyclene dharma Moore B
Barsine linga Moore B
Barsine gratiosa Guérin-Menéville ABC
“*Barsine*” *maculifasciata* Hampson B (new record)
“*Miltochrista*” *palmata* Moore B
“*Miltochrista*” *nubifascia* Walker A (new record)
Cacyparis prunifera Swinhoe B (new record)

CALLIDULIDAE

Callidula erycinoides Walker A
Pterodecta anchora Moore AB

DREPANIDAE

Macrocilix mysticata Walker AB
Macrauzata fenestraria Moore A
Auzata semipavonaria Walker AB
Ditrigona triangularia Moore B (new record)
Teldenia vestigiata Butler BC
Leucodrepana Hampson species AB
Drepana pallida Moore AB
Depana innotata Hampson B
Paralbara perhamata Hampson AB (new record)
Albara violacea Butler AB
Albara lilacina Moore AB
Callidrepana argenteola Moore B
Tridrepana flava Moore ABC
Tridrepana albonotata Moore B
“*Drepana*” *hyalinata* Moore AB (new record)
Deroca hyalina Walker AB
Deroca inconclusa Walker B
Oreta extensa Walker B

Oreta sanguinea Moore A (new record)
Oreta obtusa Walker A

CYCLIDIINAE

Cyclidia substigmata Hübner BC

THYATIRINAE

Thyatira batis Linnaeus AB
Tethea oberthueri Houlbert A (new record)
Palimpsestes albicosta Moore AB
Habrosyne fraterna Moore A
Polyploca orbicularis Moore B

URANIIDAE

URANIINAE

Lyssa zampa Butler B (new record)

MICRONIINAE

Acropteris striataria Clerck B (new record)
Pseudomicronia aculeata Guenée B

EPIPLEMINAE

Orudiza protheclaria Walker C (new record)
Dysaethria reticulata Moore B
Dysaethria himalayica Smetacek AB
Dysaethria rhagavata Walker B
Dysaethria ruptaria Moore BC
Dysaethria fulvilinea Hampson C (new record)
Sylvipterna bicaudata Moore B
Somwaria restricta Hampson B
Pangteyia ocusta Swinhoe B
Himantoptera pectinicornis Dudgeon BC
Phazaca theclata Guenée B
Phazaca leucocera Hampson B
Monobolodes simulans Butler AB
Warrenipterna fumicosta Warren ABC

GEOMETRIDAE

DESMOBATHRINAE

Palaeomystis falcataria Moore A (new record)
Eumelea rosalia Stoll BC (new record)
Conolophia nigripuncta Hampson BC (new record)

GEOMETRINAE

Dysphania militaris Linnaeus B,C (new record)
Herochroma cristata Warren ABC (new record)
Herochroma ochreipicta Swinhoe AB
Pingasa ruginaria Guenée B
Pingasa pseudoterpnaria Guenée AB
Pingasa alba Swinhoe B (new record)
Pingasa differens Warren AB (new record)
Pachyodes ornataria Moore AB (new record)
Lophophlema luteipes Felder & Rogenhofer B
Lophophlema funebrosa Warren AB (new record)
Dindica polyphaenaria Guenée B
Tanaorrhinus reciprocata Walker ABC
Aporandria specularia Guenée C (new record)
Hipparchus flavifrontaria Guenée ABC
Hipparchus vallata Butler B
Hipparchus vareigata Butler AB
Chlororithra fea Butler A (new record)
Omphacodes directa Walker BC
Neromia carnifrons Butler ABC (new record)
Mixochlora vittata Moore B
Agathia lycaenaria Kollar BC
Agathia hilarata Guenée B
Agathia hemithearia Guenée B (new record)
Mixolophia ochrolauta Warren B
Hemithea aquamarina Hampson ABC
Hemithea tritonaria Walker B (new record)
Hemithea distinctaria Walker B
Hemithea costipunctata Moore B
Ornithospila avicularia Guenée BC
Eucyclodes gavissima Walker B
Eucyclodes Warren (*divapala* Walker group) BC
Spaniocentra lyra Swinhoe B (new record)
Comibaena fuscidorsata Prout BC
Comibaena subhyalina Warren A
Episothalma robustaria Guenée BC (new record)
Thalassodes veraria Guenée ABC

Thalassodes goniaria Felder BC
Osteosema sanguilineata Moore B (new record)
Uliocnemis castalaria Oberthur BC (new record)
Hemistola rectilinea Warren B (new record)
Chlorissa gelida Butler B (new record)
Hemistola detracta Walker B
Hemistola loxiaria Guenée B
Diplodesma planata Prout B
Jodis irregularis Warren AB
Jodis thetydaria Guenée BC (new record)
Jodis undularia Hampson B
Iotaphora iridicolor Butler A (new record)
Comostola subtiliaria Bremer B (new record)
Comostola hauensteini Smetacek B

STERRHINAE

Sterrha persimilis Warren B
Timandra correspondens Hampson AB (new record)
Traminda mundissima Walker BC
Somatina purpurascens Moore B
Ptochophyle togata deviaris Walker AB (new record)
Cambogia phoenicosoma Swinhoe B (new record)
Chrysocraspeda iole Swinhoe B (new record)
Problepsis vulgaris Butler BC
Problepsis delphiaria Guenée B
Rhodostrophia stigmatica Butler B
Rhodostrophia tristrigalis Butler B
Rhodostrophia meonaria Guenée A
Organopoda carnearia Walker B (new record)
Anisodes absconditaria Walker B (new record)

LARENTIINAE

Trichopterigia decorata Moore B (new record)
Trichopterigia sanguinipunctata Warren B (new record)
Phthonoloba decussata Moore B (new record)
Asthenia plurilinearia Moore A
Hydatocapnia marginata Warren B
Rhodometra sacraria Linnaeus B
Eupithecia rajata Guenée B
Ecliptopera triangulifera Moore B
Ecliptopera relata Butler A
Ecliptopera decurrens Moore A
Ecliptopera lucrosa Prout B (new record)
Ecliptopera delecta Butler B (new record)
Ecliptopera dentifera Moore B

Hysterura multifaria Swinhoe A
Photoscotosia miniosata Walker B
Electrophaes niveonotata Warren B (new record)
Electrophaes aliena Butler B
Cidaria homophana Hampson (new record) B
Ecliptopera fulvotincta Hampson B
Docirava aequilineata Walker B
Ortholitha latifusata Walker (new record) B
Craspediopsis bimaculata Warren B (new record)
Lobogonodes multistriata Butler AB

ENNOMINAE

Urapteryx sciticaudaria Walker B (new record)
Urapteryx ebuleata Guenée AB
Urapteryx clara Butler BC
Thinopteryx crocoptera Kollar BC
Thinopteryx nebulosa Butler BC
Lomographa deletaria Moore ABC
Lomographa distans Warren AB
Nothomiza dentisignata Moore C
Plutodes costatus Butler AB
Plutodes transmutata Walker B
Scardamia metallaria Guenée B
Peratophyga hyalinata Moore ABC
Heterostegane subtessellata Walker BC
Synegia camptogrammaria Guenée B
Hypochrosis pachiaria Walker B
Hypochrosis hyadaria Guenée B
Achrosis incitata Walker C
Eurymene inustata Moore A (new record)
Plagodes reticulata Warren B
Anonychia grisea Butler AB
Heterolocha phaenicotaeniata Kollar B
Heterolocha falconaria Walker A
Heterolocha patalata Felder B (new record)
Pseudopanthera himalayica Kollar AB
Stenorumia ablunata Guenée AB
Opisthograptis luteolata Linnaeus A (new record)
Opisthograptis moelleri Warren AB (new record)
Corymica arnearia Walker BC
Corymica deducta Walker BC
Corymica specularia Moore BC
Callerinys obliquilinea Moore B (new record)
Nadagara inordinata Walker (new record) B
Luxiaria phyllosaria Walker C (new record)

Luxiaria amasa Butler B
Luxiaria acutaria Snellen B (new record)
Zamarada scriptifasciata Walker BC (new record)
Krananda semihyalina Moore B
Krananda oliveomarginata Swinhoe B (new record)
Zeheba lucidata Walker BC (new record)
Godonela frugaliata Guenée AB
Godonela pluviata Fabricius B
Godonela fuscomarginata Warren B
Godonela emersaria Walker B
Godonela eleonora Cramer BC
Godonela xanthonora Walker B (new record)
Godonela effusata Guenée B
Godonela perfusaria Walker B
Oxymacaria temeraria Swinhoe B
Orsonoba clelia Cramer B
Hyposidra talaca Walker BC
Hyposidra violescens Hampson BC (new record)
Leptestes circumflexa Kollar AB
Petelia distracta Walker BC
Hypephyra terrosa Butler AB
Hyperythra lutea Cramer C
Anthyperythra hermearia Swinhoe B (new record)
Petrodava phoenix Swinhoe BC
Psyra spurcataria Walker AB
Psyra angulifera Walker A
Psyra cuneata Walker B
Fascellina chromataria Walker BC (new record)
Fascellina plagiata Walker ABC
Leptomiza calcearia Walker ABC
Gonodontis angularia Moore B (new record)
Garaeus discolor Warren B
Garaeus apicatus Moore AB
Garaeus argillaceus Butler B
Mimomiza cruentaria Moore AB
Dalima patularia Walker BC
Amblychia angeronaria Guenée BC (new record)
Biston regalis Moore B
Biston bengaliaria Guenée B (new record)
Biston cognataria Guenée B
Biston suppressaria Guenée BC
Elphos pardicelata Walker A
Xandrames sericea Butler AB
Gnophus accipitrarius Guenée AB
Gnophus eolarius Guenée B
Ophalmitis herbidaria Guenée BC

Boarmia ochrifasciata Moore ABC
Ectropis crepuscularia Hübner ABC
Cleora selenaria Hübner BC
Satoblepharia nepalensis Sato BC (new record)
Alcis vareigata Moore ABC (new record)
Alcis decussata Moore A
Alcis semiclarata Walker AB

Racotis boarmiaria Guenée B (new record)
“*Boarmia*” *semialba* Moore B
“*Boarmia*” *nigradorsaria* Guenée B
“*Boarmia*” *admissaria* Guenée B
Hypomecis cineracea Moore C (new record)
Hypomecis transcissa Walker B
Hypomecis infixaria Walker B (new record)
Dasyboarmia subpilosa Warren BC (new record)
“*Boarmia*” *albifera* Moore B (new record)
“*Boarmia*” *granitaria* Moore B
Ceruncina subplagiata Walker B
“*Boarmia*” *atrilineata* Butler B
Abaciscus tristis Butler AB
Gasterocome pannosaria Moore AB
Medasina parisnattei Walker B (new record)
Medasina albidaria Walker B
Arichanna transfasciata Warren AB (new record)
Arichanna marginata Warren AB
Erebomorpha fulgurita Walker AB (new record)
Heterabraxas spontaneata Walker B (new record)
Abraxas sylvata Scopoli ABC
Percnia celluaria Guenée BC (new record)

NOCTUIDAE

TRIFINAE sensu Hampson 1894

Xanthia albosignata Moore B
Elusa bipars Moore B (new record)
Elusa antennata Moore B (new record)

NOCTUINAE

Euxoa hyperythra Boursin B (coll. H.Hacker)
Agrotis biconica Kollar AB
Agrotis segetum Denis & Schiffermueller AB
Agrotis ipsilon Hufnagel AB

Agrotis fraterna Moore A
Ochropleura flammatra Fabricius B
Ochropleura triangularis Moore AB
Ochropleura flammatra Fabricius B
Axylia putris triseriata Moore A
Axylia sicca Guenée B
Diarsia erubescens Butler B
Diarsia nigrosigna Moore A
Peridroma saucia Hübner B
Xestia c-nigrum Linnaeus AB
Xestia consanguinea Moore A
Xestia renalis Moore A
Xestia semiherbida Walker AB

HADENINAE

Polytela gloriosae Fabricius B
Siderides submarginalis Walker AB
Siderides costigerodes Poole B
Brithys crini Fabricius B
Arcilasisa sobria Walker B
Tiracola plagiata Walker ABC (new record)
Mythimna decissima Walker B (new record)
Mythimna reversa Moore B
Mythimna l-album Linnaeus B
Mythimna obscura Moore AB
Mythimna distincta Moore AB
Mythimna exanthemata Moore B
Mythimna ignita Hampson B (coll. H. Hacker)
Mythimna percisa Moore AB
Mythimna fragilis Butler B
Mythimna byssina Swinhoe B
Mythimna sinuosa Moore AB
Mythimna dharma Moore A
Mythimna roseilinea Walker B
Mythimna consanguis Guenée ABC
Mythimna fasciata Moore B
Mythimna formosana Butler AB
Mythimna intertexta Chang B (coll. H. Hacker)
Mythimna loreyi Duponchel B
Mythimna separata Walker AB
Mythimna pallidicosta Hampson B

CUCULLIINAE

Cucullia albipennis Hampson B
Bornolis flavistigma Moore B

Bornolis niveiplaga Walker B
Cymatophoropsis sinuata Moore B
Diptherocome discibrunnea Moore A
Nacna splendens Moore AB
Thalatha sinens Walker AB
Thalathoides conjecturalis Swinhoe B (new record)
Acrionicta indica Moore B
Acrionicta pruinosa Guenée B
Craniophora harmandi Poujade B (coll. H. Hacker)

AMPHIPYRINAE

Amphipyra monolitha Guenée A
Callyna jugaria Walker BC
Callyna monoleuca Walker BC
Karana gemmifera Walker AB
Trachea auriplena Walker AB
Euplexia distorta Moore A
Euplexia albovittata Moore AB
Pareuplexia metallica Walker AB (new record)
Xenotrachea albidisca Moore AB
Xenotrachea chrysochlora Hampson B
Callopietria latreillei Duponchel AB
Callopietria rivularis Walker B
Callopietria maillardi Guenée B
Callopietria pulchrilinea Walker B
Callopietria repleta Walker AB
Chytonix albipuncta Hampson B
Conservula indica Moore AB
Eutamsia siderifera Moore B
Eutamsia confundens Walker B
Eutamsia opposita Walker B
Sasunaga tenebrosa Moore B
Actinotia intermedia Bremer B
Auchmis inextricata Moore ABC
Hygrostola robusta Hampson A
Spodoptera exigua Hübner AB
Spodoptera litura Fabricius AB
Spodoptera mauritia Boisduval B
Spodoptera cilium Guenée B
Perigea apicea Guenée B
Condica conducta Walker AB
Condica capensis Guenée AB
Condica albigutta Wileman B
Chasmina candida Walker ABC
Chasmina cygnus Walker BC (new record)

Chasmina judicata Walker BC (new record)
“*Dysmilichia*” *calamistrata* Moore B
Elaphria conjugata Moore B

HELIOTHINAE

Helicoverpa armigera Hübner ABC
Helicoverpa assulta Guenée B
Pyrrhia umbra Hufnagel ABC
Masalia tosta Moore B
Masalia artaxoides Moore B
Masalia bimaculata Moore B
Adisura atkinsoni Moore B

ACONTIINAE

Eublemma ostrina Hübner B
Eublemma dimidialis Fabricius B
Maliattha vialis Moore B
Maliattha separata Walker B
Maliattha signifera Walker B
Maliattha tegulata Butler B
Ozarba punctigera Walker B
Ozarba illosis Hampson B
Cretonia vegetus Swinhoe B
“*Eustrotia*” *marginata* Walker B
Oruza divisa Walker BC
Lophoruza diversalis Walker B
Amyna octo Guenée B
Amyna punctum Fabricius B

SARROTHRIPINAE

Blenina quinarina Moore AB
Blenina accipiens Walker A
Hyblaea puera Cramer ABC
Lamprothripa orbifera Hampson B
Bryophilina mollicula Graeser B
Nanaguna breviscula Walker AB
Risoba prominens Moore AB
Risoba diversipennis Walker B
Risoba literata Moore B (new record)

CHLOEPHORINAE

Earias cupreoviridis Walker B

Earias insulana Boisduval B
Earias biplaga Walker AB
Tympanistes rubidorsalis Moore B
Tympanistes pallida Moore AB
Tyana pustulifera Walker ABC
Tyana chloroleuca Walker B
Gabala roseoretis Kobes B
Siglophora ferreilutea Hampson B
Siglophora sanguinolenta Moore B
Negeta signata Walker B
Pterogonia episcopalis Swinhoe B
Xanthodes albago Fabricius B
Xanthodes intersepta Guenée B
Xanthodes transversa Guenée B
Carea angulata Fabricius ABC
Maurilia iconica Walker B
Churia ocellata Butler B
Westermannia triangularis Moore B
Westermannia superba Hübner B
Westermannia naessigi Kobes B

EUTELIINAE

Eutelia adulatricoides indica Mell B
Paectes subapicalis Walker AB
Targalla delatrix Guenée B
Targalla sugii Holloway B
Anigraea albomaculata Hampson B (new record)
Penicillaria jocosatrix Guenée B
Penicillaria maculata Butler B
Eutelia inextricata Moore B
Anuga constricta Guenée B (new record)
Aplotelia diplographa Hampson B
Chlumetria transversa Walker A

STICTOPTERINAE

Lophoptera illucida Walker ABC
Lophoptera squammigera Guenée AB
Lophoptera longipennis Moore ABC (new record)
Odontodes aleuca Guenée B

PANTHEINAE

Trisuloides sericea Butler AB
Trisuloides caerulea Butler A

Trisula vareigata Moore BC
Tichosea obsolescens Hampson AB
Baorisa hieroglyphica Moore B (new record)

AGARISTINAE

Sarbanissa transiens Walker ABC
Sarbanissa albifascia Walker C (new record)
Episteme adulatrix Kollar B
Episteme maculatrix Westwood B (new record)
Mimeusemia peshwa Moore B

PLUSIINAE

Abrostola anophioides Moore B
Abrostola suisharyonis robertsi Dufay B
Autographa nigrisigna Walker B
Trichoplusia orichalcea Fabricius ABC
Trichoplusia intermixta Warren B
Trichoplusia ni Hübner B
Trichoplusia obtusisigna Walker B
Trichoplusia daubei Boisduval B
Trichoplusia lectula Walker B
Ctenoplusia kosemponensis Strand B
Macdunnoughia tetragona Walker B
Anadevidia hebetata Butler AB
Anadevidia peponis Fabricius A
Zonoplusia ochreatea Walker B
Erythroplusia pyropia Butler B
Agrapha albostrigata Bremer & Grey B
Agrapha furcifera Walker B
Agrapha tarassota Hampson AB
Agrapha placida Moore AB
Sclerogenia jessica Butler A
Antoculeora ornatissima Walker A
Chrysodeixia acuta Walker B
Chrysodeixia eriosoma Doubleday AB
Chrysodeixia chalcites Esper AB

CATOCALINAE

Catocala tapestrina Moore B
Catocala dotatoides Poole B
Catocala prolifica Walker B
Catocala macula Hampson B (new record)
Ophiusa tirhaca Cramer ABC

Ophiusa triphaenoides Walker ABC
Ophiusa olista Swinhoe AB
Artena dotata Fabricius AB
Thyas honesta Hübner B
Thyas junio Dalman AB
Thyas coronata Fabricius BC
Macaldenia palumba Guenée BC
Bastilla maturescens Walker B (new record)
Bastilla crameri Moore AC
Bastilla praetermissa Warren BC
“Parallelia” arctotaenia Guenée B
Dysgonia torrida Guenée AB
Dysgonia latifascia Warren AB
Bastilla arcuata Moore B
Bastilla joviana Stoll BC
Bastilla amygdalis Moore B
Bastilla analis Guenée AB
Bastilla acuta Moore C (new record)
Erebus albicinctus Kollar AB
Erebus ephesperis Hübner BC
Erebus macrops Linnaeus B
Erebus caprimulgus Fabricius BC
Erebus hieroglyphica Drury BC
Anisoneura aluco Fabricius B
Arcte caerulea Guenée AB
Hypopyra vespertilio Fabricius BC
Entomogramma torsa Guenée BC
Entomogramma faulx Guenée B
Serodes campana Guenée B
Spirama triloba Guenée ABC
Spirama retorta Cramer ABC
Achaea janata Linnaeus AB
Mocis discios Kollar AB
Mocis undata Fabricius ABC
Grammodes geometrica Fabricius B
Trigonodes hyppasia Cramer ABC
Prodotis stolidia Fabricius A
Attatha ino Drury BC
Remigia frugalis Fabricius AB
Ercheia cyllaria Cramer B
Alamis umbrina Guenée B
Lyncestis amphix Cramer BC
Hamodes propitia Guérin-Ménéville BC
Anticarsia irrotata Fabricius B
Oxyodes scrobiculata Fabricius B
Ischyja manlia Cramer BC

Ischyja inferna Swinhoe B
Eudocima homaena Hübner BC
Eudocima phalonia Linnaeus B
Eudocima materna Linnaeus B
Eudocima salaminia Cramer B
Adrus tyrannus Guenée B
Pleurona falcata Walker BC
Homaea clathrum Guenée BC
Fodina stola Guenée BC
Fodina pallula Guenée BC
Fodina cuneigera Butler BC
Calyptra bicolor Moore AB
Calyptra ophideroides Guenée AB
Calyptra fasciata Moore BC
Oraesia rectistria Guenée BC
Oraesia emarginata Fabricius BC
Hypocala rostrata Fabricius ABC
Hypocala moorei Butler B
Hypocala subsatura Guenée AB
Belciana biformis Walker B
Belciana tetraspila Walker B
Chrysopera combinans Walker B
Aedia leucomelas Linnaeus ABC
Donda eurychlora Walker B
Ericeia inangulata Guenée B
Ericeia pertendens Walker B
Blasticorhinus rivulosa Walker B
Dierna strigata Moore ABC
Sypna omicronigera Guenée B
Sypna constellata Moore A
Sypnoides cyanivitta Moore B
Sypnoides mandarina Leech B
Hypersypnoides submarginata Walker AB
Daddala lucilla Butler B
Erygia apicalis Guenée AB
Spiredonia alix Guenée B
Avitta fasciosa Moore AB
Pandesma robusta Walker B
Psimada quadripennis Walker BC
Cosmophila flava Fabricius B
Gonitis mesogona Walker B
Gonitis involuta Walker B
Anomis figlina Butler B
Rusicada combinans Walker B
Rusicada fulvida Guenée B
Rusicada albitibia Walker C (new record)

“Anomis” discisigna Hampson B (new record)
Capotena truncata Walker BC (new record)
Plusiodonta coelonota Kollar B
Hepatica anceps Staudinger B
Attonda trifasciata Moore BC (new record)
Pangrapta ornata Leech B
Plecoptera reflexa Guenée AB
Acantholipes trajectory Walker C (new record)
Bocula microspila Holloway BC
Calesia dasypterus Kollar ABC
Calesia haemorrhoea Guenée BC
Episparis liturata Fabricius BC
Pseudosphetta moorei Cotes & Swinhoe B (new record)
Raparna transversa Moore B
Tinolius quadrimaculatus Walker C (new record)
Zethes inornata Walker AB (new record)

HERMINIINAE

Adrapsa ereboides Walker B
Adrapsa rivulata Leech B
Simplicia robustalis Guenée B
Simplicia marginata Moore B (new record)
Pseudaglossa fulvipicta Butler B
Mastigophorus brontesalis Walker A (new record)
Progonia kurosawai Owada B
Polypogon vermiculata Leech B

HYPENINAE

Perciana marmorea Walker AB
Hypena amica Butler AB
Hypena trigonalis Guenée AB
Hypena triplicalis Walker B (new record)
Hypena quadralis Walker AB
Hypena iconicalis Walker B
Hypena laceratalis Walker B
Hypena melanica Sugi B
Hypena tatorhina Butler B
Hypena rhombalis Guenée AB
Hypena indicatalis Walker A
Hypena albopunctalis Leech B
Rhynchina striga Felder & Rogenhofer AB
Rhynchina abductalis Walker B
Rhynchina angulata Walker B
Rhynchina sigillata Butler B (new record)

Orthozona quadrilineata Moore A (new record)

AGANAINAE

Asota tortuosa Moore AB (new record)

Asota caricae Fabricius ABC

Aganais ficus Fabricius BC

Digama hearseyana Moore ABC

LYMANTRIINAE

Calliteara grotei Moore B

Calliteara angulata Walker B (new record)

Calliteara strigata Moore A

Dasychira inclusa Walker BC

Mardara caligramma Walker AB

Orgyia proximans Fabricius AB

Orgyia postica Walker B (new record)

Laelia exclamationis Kollar AB

Laelia atestacea Hampson B

Redoa comma Hutton BC

Leucoma subvitrea Walker AB (new record)

Leucoma divisa Walker B

Numenes patrana Moore AB

Lymantria albolunulata Moore AC

Lymantria obfuscata Walker B

Lymantria mathura Moore BC

Lymantria concolor superans Walker AB

Lymantria todara Moore C (new record)

Lymantria obsoleta Walker B

Lymantria marginata Walker BC

Lymantria semicineta Walker A(straggler), BC

Himala argentea Walker B

Gazalina chrysolopha Kollar AB

Perina pura Walker B

Euproctis latifascia Walker AB

Euproctis divisa Walker B (new record)

Euproctis bimaculata Walker BC

Euproctis lunata Walker C

Euproctis inconcisa Walker A (new record)

Euproctis sulphurescens Moore B (new record)

Euproctis anguligera Butler ABC

Euproctis vitellina Kollar AB

Euproctis guttata Walker BC

Euproctis plana Walker B

Euproctis plagiata Walker BC

Euproctis madana Moore B
Euproctis varia Walker B
Euproctis marginata Moore A (new record)
Euproctis albodentata Moore BC
Euproctis magna Swinhoe BC

PYRALIDAE

Brihaspa atrostigmella Moore B (new record)
Schoenobius bipunctifer Walker B
Macalla derogatella Walker B
Endotricha mesenterialis Walker B
Vitessa suradeva Moore B (new record)
Hyboloma nummosalis Rag. B (new record)
Toccolosida rubriceps Walker AB (new record)
Sacada sikkima Moore AB (new record)
Orybina flaviplaga Walker B
Stegothyris diagonalis Guenée B
Hyaloplaga pulchralis Moore B (new record)
Zinckenia fascialis Cramer B
Dichocrocis punctiferalis Guenée B
Dichocrocis nigrilinealis Walker B
Dichocrocis definita Butler B
Botyodes asialis Guenée B
Agathodes ostentalis Huebner BC
Glyphodes bivitalis Guenée B (new record)
Glyphodes indica Saund. B
Pygospila tyres Cramer ABC
Polythlipta cerealis Led. B
Lepyrodes neptis Cramer B
Terastia egialealis Walker BC
Heliothela ophideresana Walker B

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