Fauna of New Zealand

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Number 14

Lepidoptera

– annotated catalogue, and keys to family-group taxa

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• SYSTEMATICS GROUP 1963–1988 •

TWENTY-FIVE YEARS' SERVICE
TO NEW ZEALAND ENTOMOLOGY

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Front cover: The insects depicted are, from the top down, representative of Geometridae, Oecophoridae, Pyralidae, and Tortricidae. These, with Noctuidae and Tineidae, are by far the most species-rich families in New Zealand's Lepidoptera fauna. *Artist: D.W. Helmore.*

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FOREWORD

In New Zealand, terrestrial invertebrate systematics began in a concerted way when a group dedicated to systematics was formed in Entomology Division, DSIR, in the early 1960s. In 1988 we mark the twenty-fifth anniversary of the establishment of that group, and it is timely to reflect on past events and achievements.

In the early years the group was based in Nelson, on the South Island. It moved in 1973 to the Mt Albert Research Centre, in Auckland, where the New Zealand Arthropod Collection grew and developed and, in 1982, the 'Fauna of New Zealand' was begun.

Most of the group's early members are still associated with it – three as full-time scientists, and three as research associates – and this has ensured a continuity of expertise and of esprit that has been of tremendous benefit. We are confident that the Systematics Group and the 'Fauna' will continue to have a central role in entomology and invertebrate systematics for the next twenty-five years.

The group has always sought to develop strong links with other institutions and individuals working in this field, in New Zealand and overseas. In particular the 'Fauna' has provided a vehicle for publication of definitive taxonomic studies on New Zealand insects and other terrestrial invertebrates, by specialists in New Zealand and by colleagues throughout the world. Perhaps the closest of the special relationships that have been developed over the years is that with the Entomology Department of the British Museum (Natural History). It is appropriate that Systematics Group's jubilee year should be marked with the publication of two commemorative 'Fauna' contributions that reflect this particular relationship: John Noyes's Encyrtidae and John Dugdale's Lepidoptera catalogue. The groundwork for each volume was laid during reciprocal study visits, Noyes to NZAC and Dugdale to BMNH.

It is five years since the 'Fauna' series began. Thirteen volumes comprising 1800 pages are now in print, and we are assured of continued support from other contributors and from subscribers. We are confident therefore that the 'Fauna' was well conceived, is making a significant contribution to biology, and has a very definite future. Indeed Entomology Division is firmly committed to the objective of providing authoritative and comprehensive guides to identification of insects and other terrestrial invertebrates through the medium of the 'Fauna' series.

It is a pleasure to acknowledge the achievements of Systematics Group in its first twenty-five years, in particular the establishment of the 'Fauna' series, and I wish both the group and the 'Fauna' well for the future.

J.F. Longworth

Director
Entomology Division
DSIR

Dedicated to the memory of three amateur lepidopterists:

George Vernon Hudson
1867–1946
whose life work this publication
attempts to keep evergreen

Alfred Philpott
1871–1931
whose pioneering studies in Lepidoptera morphology
are now assuming their true significance

Kenneth John Fox, FRCOG
1936–1986
who died before this catalogue reached full term
but whose enthusiasm and insistence
ensured its completion

"... I would advise you to get a knowledge of facts from actual observation. Facts looked at directly are vital; when they pass into words half the sap is taken out of them." –John Tyndall, 'Fragments of Science' (1876, p. 287)

ABSTRACT

This annotated synonymic catalogue represents an attempt to verify and define nomenclaturally the species of Lepidoptera recorded from New Zealand since 1769. It is based on a thorough re-examination of type material and recorded data. Types of nearly all nominal species held by overseas institutions were examined during 1980–81. Of the 2150 published names, type specimens of about 1570 (73%) are in the Northern Hemisphere; over 1460 of these (68%) are at the British Museum (Natural History). The 1761 recognised species are assigned to modern family-group concepts, and are listed under superfamilies, which are placed in 'systematic' sequence. Within each superfamily, all subordinate taxa are listed alphabetically. Synonyms are listed in date order. For each species and synonym, basic nomenclatural data concerning the type locality, collector, type status, condition of specimens (if noteworthy), and repository are given. Where relevant, species are cross-referenced to G.V. Hudson's illustrated monographic works. References are also given, as appropriate, to genitalia descriptions by A. Philpott and to first records of adventive species. Any additional remarks are given under 'Notes' for a taxon entry. Names are proposed for three misidentified species, i.e., for which invalid concepts of previously described species have entered current usage: *Dumbletonius sylvicola* for *Trioxycanus enysii* (not of Butler); *Heterocrossa rubophaga* for *H. adreptella* (not of Walker); and *Stathmopoda horticola* for *S. skelloni* (not of Butler). Brief introductory sections outline the history of study, classification, and composition of New Zealand's lepidopteran fauna. Keys to superfamilies, families, and (where possible) subfamilies are presented, with illustrations of diagnostic features. There is also a key to the brachypterous Lepidoptera. These keys conform to the New Zealand situation; any wider relevance is coincidental. The 69 species reported from the Kermadec Islands are excluded from the main catalogue, but are listed in an appendix. There are over 700 references.

CONTENTS

ACKNOWLEDGMENTS

A work of this nature cannot be done in isolation, and I am deeply indebted to the following – whom it is my great pleasure to thank – for assistance with specimens, nomenclatural problems, access to types, collections, and/or published or unpublished records and information, hospitality in several countries, expeditiously reviewing sections of the manuscript, and in general by their enthusiasm and generosity of spirit prodding a sometimes lethargic and distracted behemoth towards the finishing line. New Zealand: R.C. Craw, T.K. Crosby, the late Kenneth J. Fox, G.W. Gibbs and family, C.J. and O. Green, A.C. Harris, N. Hudson, P.M. Johns, G. Kuschel, P.A. Maddison, C. Muir, R.G. Ordish, R. Palma, B.H. and C. Patrick, A. Savill, and K.A.J. Wise.

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For continued support I am grateful to my Director, J.F. Longworth, and to DSIR Head Office for a study award in 1980–81, enabling me to visit the British Museum (Natural History). I am especially grateful to the present Keeper of Entomology, Dr L.A. Mound, for the copious facilities he so freely placed at my disposal.

To all the above, and to my long-suffering family, my sincere thanks.

INTRODUCTION

With over 1760 species the order Lepidoptera is the third largest in New Zealand, after Coleoptera (*c.* 5000) and Diptera (2000+). Lepidoptera occupy all biotopes except caves in New Zealand; there are species living in the rocky coast spray zone, and even in the nival zone – an undescribed geometrid is known from the Cheval Ridge, Malte Brun Range, at 3000 m, 700 m altitude above the summer snowline. Some are ubiquitous (e.g., *Orocrambus flexuosellus* Doubleday), and others are very restricted (e.g., *"Tortrix" antichroa* Meyrick, only on Mt Taranaki). Some are so rarely encountered as to raise the question of extinction (e.g., the large *Titanomis sisyrota* Meyrick). Some have become extinct locally – e.g., *Aoraia dinodes* (Meyrick) at Invercargill, and *Hydriomena arida* (Butler) at Dunedin (B. Patrick, pers. comm.).

Lepidoptera in New Zealand commanded the attention of early naturalists, whether Maori or European. There are specific Maori terms for several species; and European culture has imposed yet another, more comprehensive system.

The New Zealand Lepidoptera fauna stands out on three counts: (a) the high level of endemicity; (b) the distinctive nature of many forms in relation to those in Australia; (c) the strange absences. It is a workable-sized fauna, even if some elements are enigmatic, and this publication, I hope, will give essential nomenclatural information about this important and in many ways elegant group, and summarise its classification.

Since G.V. Hudson published his monumental "Butterflies and Moths of New Zealand" (1928) and its "Supplement" (1939) there has been no comprehensive catalogue of New Zealand Lepidoptera. At all taxonomic levels, Lepidoptera classification has changed greatly in the intervening years, and requirements for distinguishing and describing new species and higher taxa have become more scientifically rigorous and time-consuming. After 1950 (the year Dr J.T. Salmon published Hudson's posthumous "Fragments of Entomology") new species have been recognised, classification of the Lepidoptera as a whole has been radically altered, and additional exotic species have either established themselves or are now known to arrive in New Zealand with great regularity.

The greatest stumbling block in the way of taxonomic work by New Zealanders on New Zealand Lepidoptera is the fact that, for the 2150 names proposed for species found in New Zealand, 1569 or 73% of the type specimens are in Northern Hemisphere institutions. The British Museum (Natural History) alone houses some 1460, or 68%, which were not readily accessible to workers in New Zealand. Earlier New Zealand workers had to take Meyrick's and Hudson's concepts on trust; or, after Hudson's death, have the types examined for them (e.g., Dumbleton 1966, Gaskin 1971, 1975), an arrangement conducive to error and confusion (Dugdale 1986).

This catalogue is an attempt at solving three problems: (1) how to relate the classification changes to Hudson's illustrated monographs; (2) how to present the relevant information concerning each type specimen (the specimen(s) on which the author of a name based the original description of that species); and (3) how to identify a specimen to one of the higher taxonomic categories in the catalogue, so that the identifier has a fighting chance of recognising it in 'Hudson'.

The catalogue therefore has four functions:

- to place New Zealand's Lepidoptera in currently accepted classifications, and to cross-reference the species to Hudson's illustrated monographs, i.e., his works of 1898, 1928, 1939, and 1950;
- to provide basic nomenclatural information for the species and genera reported or known to be in New Zealand;*

*The Kermadec Islands are excluded from the scope of the catalogue, and hence the index, but a checklist of Kermadec species is given as an appendix.

• to provide keys to higher taxa (superfamilies, families, and where possible subfamilies) known in New Zealand; and
• to provide some historical notes on the study of Lepidoptera in New Zealand, and give some idea of the group's representation here, in contrast to other countries or regions.

It is not intended to give a general account of Lepidoptera; for that, the reader is directed to Common (1970, 1975) and Nielsen & Common (1988, in preparation).

This catalogue and set of keys is dedicated primarily to G.V. Hudson, as a complement – and, I intend, a compliment – to his pioneering works, but not a replacement of them. As the likelihood of a replacement for 'Hudson' is remote, this catalogue is offered as a way of keeping his works up to date. It is my wish also to acknowledge the debt that, as a working lepidopterist, I owe to Alfred Philpott and to my late co-explorer, Kenneth Fox.

In all, some 2280 names have been applied to moths and butterflies collected in New Zealand. Most of the type specimens have been seen by me. Those held overseas were examined during a visit to the British Museum (Natural History), London, in 1980–1981, with the support of a study award. In the catalogue I recognise over 1760 species as 'valid', but for some groups with hosts in Asteraceae and Scrophulariaceae there is evidence for the presence of cryptic species. For all groups new methods of looking at species will uncover other cryptic species assemblages, as pheromonal and electrophoretic methods already have in Tortricidae (Foster *et al.* 1986) and Hepialidae.

HISTORICAL NOTES

The first New Zealand Lepidoptera brought to Europe were two nymphalid butterflies collected by Banks and his assistants during Cook's first voyage, and were described by Fabricius in 1775. Their capture did not excite Banks (Gibbs 1980b, p. 110). A copper butterfly obtained by Drury – probably from a member of one of Cook's later voyages (Gibbs 1980b, p. 141) – and also described by Fabricius was the third. Drury thought it was from India. All three were depicted precisely by Jones in his "Icones; Papiliones Nymphales ..." of 1785; only the nymphalid specimens, the yellow and red admiral respectively, are known to survive. The copper butterfly may be in the MacLeay Museum, Sydney (Andrews 1986, p. 41).

Entomological collections made during the voyage of Dumont D'Urville were described by Boisduval (1832). One New Zealand moth – the magpie moth – was described (as from Papua New Guinea) and depicted.

None of the voyages yielded nocturnal species, either of Lepidoptera or of Coleoptera (e.g., *Prionoplus*). Can we presume that the collectors spent each night aboard, and that the ship's lights were not bright enough to attract moths or large beetles from the shore?

With land-based exploration and the beginnings of settlement came an increase in specimens. Yet by 1844 only four Lepidoptera collections had reached Britain: a puriri moth collected by J.G. Children (stated to be from "Van Diemens Land"); two small collections presented by Captain W. Parry and by J. Clarke Ross of the Antarctic Expedition, described by Edward Doubleday; and specimens collected by the Rev. Richard Taylor.

The earliest account of New Zealand Lepidoptera natural history is that of Taylor (1843). He included much information provided by his Maori companions, and recorded the presence (and Maori names) of adults of the then hostless monarch butterfly and moon moth. The respective hosts, asclepiads and wattles, were introduced by Europeans.

The period 1845–1880 saw increasing collecting by resident natural historians such as Percy Earl (Wellington and coastal Otago), Lt Col. D. Bolton, Dr Andrew Sinclair (Auckland), R.W. Fereday, J.D. Enys (Canterbury, Hawkes Bay), Thomas Oxley (Nelson), Dr J. Hector and, later, Prof. F.W. Hutton (Otago), William Colenso (Hawkes Bay – Taupo), and the Rev. J.F. Churton (Wellington briefly, then Auckland). There were also visitors who collected, such as Dr F. Knaggs. Contact with London was strong; Oxley, Fereday, Enys, and Hector all knew F. Walker or A.G. Butler at the British Museum in Russell Square. The Imperial Austrian frigate 'Novara' visited New Zealand on expedition, but relied largely on local collectors (Sinclair in Auckland, Oxley in Nelson), although the geologist Ferdinand Hochstetter also provided some entomological specimens.

Most specimens from New Zealand were presented or sold to the British Museum (as befitted Britons in a British colony). The earlier material was described by Francis Walker and the later by A.G. Butler. Some of Fereday's early material was described by Achille Guenée in Paris, where some types remain; others are now in BMNH. The most extensive collections were those of Lt-Col. D. Bolton around Auckland and T.R. Oxley around Nelson, providing the bulk of the species described from New Zealand by Walker.

Lt-Colonel D. Bolton commanded the Royal Engineers in Auckland between March 1850 and November 1853. He had previously toured New Zealand with Governor Grey in 1847, and was then stationed in Wellington during 1848–1850. As his collection does not include *Wiseana cervinata*

Walker, and many of his specimens (Lepidoptera and cicadas) show characters distinctive of Auckland populations, it is likely that Bolton made his collection during his term in Auckland. He had two houses, an official one at Onehunga and another in Emily Place, at the foot of Symonds Street. He was briefly on the executive council of New Ulster (one of three provinces of New Zealand, a system abandoned in 1852). One species he collected – *Stigmella maoriella* (Walker) – has not been found since. Bolton embarked for England via Sydney in November 1853, and his collection reached the British Museum early in 1854, hence the museum accession number "54.4". He later died in South Africa (Auckland Institute and Museum Library records; Sir Charles Fleming, pers. comm.).

T.R. Oxley, a professional photographer from London, was our first extensive resident collector. He had previously collected in Victoria (Australia), returning in 1855 to London, where he was befriended by Henry Stainton, the leading British microlepidopterist. Oxley then went to Nelson and made three collections: one he despatched to Walker (mislabelled at BMNH as from Auckland), one to Stainton, and – by arrangement – one to Dr Felder, as part of the 'Novara' Expedition results. Oxley's specimens to Felder are illustrated in the 'Lepidoptera' section of the 'Novara' results (Felder & Rogenhofer 1875). Oxley later became, in turn, a brewer and an Inspector of Nuisances; he died at Nelson in 1887 (M. Watson, pers. comm.).

Late in 1879 Edward Meyrick came to New Zealand as a classics master at Cathedral Grammar School, Christchurch. Over the next seven years he divided his time between New Zealand and Australia, where he taught at the King's School, Parramatta, Sydney, building up a large collection – mainly of "Microlepidoptera" – from each country. Home leave on two occasions during this period allowed him to check his captures with the specimens described by Walker and Butler. For each of those species that his friend Fereday had got Guenée to describe, Meyrick was able to examine "an exactly similar one" (Meyrick 1884b, p. 50).

Meyrick travelled extensively, and recorded his daily captures in a diary (now in the BMNH, microlepidoptera floor). He was in contact particularly with Fereday, Enys, and Hutton, and towards the end of his stay with G.V. Hudson. By 1887–1890 Meyrick had revised virtually all families in New Zealand, except for Rhopalocera. Also by this time he was publishing extensively on microlepidoptera from Australia and the central Pacific. The fauna of the latter area – to which he was introduced by G.F. Mathew, a naval officer based at Sydney and in Fiji – particularly excited him, and in subsequent papers he remarked on the disjunct relationships between New Zealand and some Pacific islands, a topic of great interest today.

Meyrick gathered together the scattered descriptions of previous workers, and put the classification of Lepidoptera in New Zealand on a relatively sound footing. Only Felder & Rogenhofer's and two of Butler's contributions were illustrated; Meyrick did not illustrate any of his New Zealand works, but the meeting with Hudson over a weekend in January 1886 in Wellington laid the foundations for Hudson's massive contribution. New Zealand and, to a certain extent, Australia were the only places for which Meyrick maintained an interest in macrolepidoptera.

After Meyrick's departure for England, G.V. Hudson, A. Philpott, G. Howes, C.C. Fenwick, and later C.E. Clarke and M.O. Pasco amassed large collections, and these have stayed in New Zealand. Also there was extensive entomological exploration, from the subantarctic islands (1909) to the Kermadec Islands (1908), and general overviews of the fauna were produced. All this was done by resident amateurs. During the late 1920s Alfred Philpott became – at his own request – the honorary lepidopterist at the Cawthron Institute, where previously he had drawn a salary (Tillyard 1931, p. 173).

The first overview of our Lepidoptera, a synoptic catalogue, was compiled by Fereday (1898). It is marred by typographical errors, but formed the basis (unacknowledged) for F.W. Hutton's "Index Faunae Novae-Zealandiae" in 1904. Fereday's list was based on Meyrick's advice. Fereday's catalogue was largely overshadowed by G.V. Hudson's first monograph, on the macrolepidoptera (Hudson 1898). It too was based on Meyrick's advice and guidance.

By 1900 Hudson was in regular correspondence with Meyrick, sending numbered specimens and a ledger sheet; Meyrick kept the specimens and returned the ledger sheets with names beside the relevant numbers. Hudson also guided Meyrick's papers through the New Zealand Institute's *Transactions*. The other lepidopterists resident in New Zealand also sent material to Meyrick for identification or description. Only S. Lindsay (at the Canterbury Museum) had the types of new species based on that material returned, labelled as such.

Over the period 1900–1938, Meyrick ruled the roost. His view of what was or was not a species was promulgated by Hudson in his 1928 and 1939 books, and was largely accepted. Meyrick had seen the Doubleday, Walker, Butler, and now the Felder types in the BMNH (and may have had scant regard for types anyway, as suggested by Clarke 1956, p. 9). We had no option but to interpret the New Zealand Lepidoptera by Meyrick's and Hudson's

concepts, which in New Zealand were based on Hudson's collection.

Nevertheless, there was some independent thought. G. Howes in Dunedin described several noctuid and geometrid species, and L.B. Prout and G.B. Longstaff (at BMNH) were revising Meyrickian concepts in macrolepidoptera.

The period 1920–1930 is characterised by the significant pioneering efforts of Alfred Philpott, who studied the structure of many moth families. He examined mouthparts, thoracic and leg structures, and genitalia in detail. His work on Hepialidae, Mnesarchaeidae, and Micropterigidae was detailed to a degree well beyond contemporary work in Europe and North America. Philpott also pioneered the representative world collection while he was with the Cawthron Institute, exchanging with A.J. Turner in Australia, E. Hering in France, F. Schaus in Costa Rica, and A.S. Packard, A. Busck, and J.R. Eyer in the United States. One result is the extensive exotic collections now in NZAC. Another notable pioneer was M.N. Watt, in Wanganui, whose illustrations and descriptions of Nepticulidae and Gracillariidae (in the 1920s) are equal to present-day standards. He continued to study leafminers when he moved to Dunedin, and his extensive collections are now at NMNZ.

By the time of Hudson's death, in 1946, there were three extensive collections of New Zealand Lepidoptera in the country: Hudson's (at the then Dominion Museum, Wellington), Philpott's (at the joint Cawthron Institute / Entomology Division, DSIR Entomological Research Station at Nelson), and Clarke's (at the Auckland Museum). There were also four local collections – M.O. Pasco's from Queenstown (at Invercargill), C.C. Fenwick's at the Dominion Museum, G. Howes's (split between the Auckland Museum and Dominion Museum), and S. Lindsay's (at the Canterbury Museum). Luckily, most of Fereday's collection was also preserved in the Canterbury Museum. All seven collections include types.

The period 1950 to the present day is still characterised by a high degree of amateur participation. J.T. Salmon, at first the lone professional, set out after Hudson's death to augment the Dominion Museum's holdings separate from the Hudson Collection, and described the exciting Three Kings Islands fauna, but after 1956 his interests turned largely to Collembola. Amateurs and others started to concentrate on local and national collecting, and comprehensive collections were amassed by the Forest Biology Survey of the Forest Research Institute at Rotorua, T.H. Davies (Hawkes Bay), K.J. Fox (Taranaki), C.J. Green (Auckland area), N. Hudson (South Auckland – Bay of Plenty), C. Muir (Riccarton Bush, Christchurch), and B. Patrick (Otago – Southland). Some have concentrated on a group, e.g., Noctuidae (Fox), Geometridae, Psychidae, Tortricidae (Patrick), or on an ecological entity, e.g., migrant Lepidoptera (Fox).

Professional lepidopterists have dealt either with taxonomic problems (K.A.J. Wise) or with groups of systematic or economic importance (L.J. Dumbleton – Agathiphagidae, Hepialidae; J.S. Dugdale – Tortricidae, forest Geometridae; D.E. Gaskin – Crambidae; G.W. Gibbs – Micropterigidae, Mnesarchaeidae, Rhopalocera). Island faunas have been investigated by Salmon and Bradley, and later by Dugdale (subantarctic islands) and Wise (White Island, and others). The influence of Philpott is reflected in the work of Gibbs, Dumbleton, and Dugdale on the Micropterigidae, Mnesarchaeidae, Hepialidae, Tortricidae, and female genital systems.

Lately the Nepticulidae have been worked on by a group at the Vrije Universiteit, Amsterdam, with local help, as a contribution to the *Fauna of New Zealand* series (Donner & Wilkinson, in press). This may be a forerunner of other such 'off-shore' revisions, based on the extensive collections at NZAC, AMNZ, NMNZ, CMNZ, and FRNZ; and the large, privately held collections of B. Patrick (Dunedin) and the late K.J. Fox (Manaia, Taranaki).

The above account briefly acknowledges the better known names. There were many others: Ambrose Quail, who first worked on the life history of the puriri moth and variation in the tortricid *Epalxiphora*; A.V. Chappell, who described eggs and life histories of several species; A. Purdie, who started a study of host-plant moth associations now in urgent need of revival; W.L. Buller, who described a now unrecognised hepialid; and many collectors such as R.M. Sunley, who assisted Hudson; W. Smith, who accompanied Howes to Fiordland; the painfully shy W. Heighway, who assisted Philpott and Lindsay; A. Hamilton, who sent his father "novelties" from beyond Lake Wakatipu; F.S. Oliver and Averil Lysaght, whose collections have largely disappeared.

All have contributed, and, creditably, nearly all the early material is still preserved. That which has been unwittingly destroyed or allowed to disintegrate comes from areas where re-collection is possible. The fine, careful, continuous collecting at a local level now being practised is showing up the presence of many more species than were hitherto expected. Such collecting, often involving elucidation of host-plant associations and periodicity, is a field very much open to amateurs. Where such work can be tied in with electrophoretic or pheromonal studies, then Lepidoptera systematics in New Zealand is even more exciting.

CLASSIFICATION

Relationships of Lepidoptera

The order Lepidoptera, with between 100,000 and 200,000 known species, is currently regarded as a member of the "Panorpoid complex" or Mecopteroidea, which comprises the superorders Antliophora (Mecoptera + Siphonaptera + Diptera) and Amphiesmenoptera (Trichoptera + Lepidoptera) (see Kristensen 1984, p. 145).

Lepidoptera are distinguished from their sister-group Trichoptera by the following apomorphies or unique character states:

- vestiture of wings and body largely made up of broad, overlapping scales;
- head lacking a median ocellus;
- apical segment of labial palpus with a group of receptors in a depression (vom Rath's organ).

Some other structures, such as the fore-tibial epiphysis, are not always present; even vom Rath's organ may not be in a pit, as in Southern Hemisphere Roeslerstammiidae (I.F.B. Common, pers. comm.). There is, in fact, only a very small suite of character states that distinguish all Lepidoptera from all Trichoptera, and Kristensen (1984, p. 156) has pointed out the similarity in habitus between less advanced Trichoptera and the lepidopteran *Agathiphaga* Dumbleton.

Higher classification within Lepidoptera

The higher classification within this order is currently undergoing extensive re-examination, following on from the last intensive summary (Common 1975). The situation is rendered difficult because of two factors:

- around 98% of known Lepidoptera belong to one division (Ditrysia), of relatively uniform structural organisation;
- the remaining 1–2% show a great variety of structural and genital organisation, with often profound differences between groups.

Work by Kristensen, Nielsen, Davis, Minet, and others referred to hereunder is gradually moving to a synthesis, but taxa above superfamily level are still interpreted differently by the various workers (cf. Nielsen 1982, 1985, Davis 1986, and Minet 1984; also the approaches by Heppner 1986, p. 20, and Scott 1986, pp. 30–38).

There is a consensus (Kristensen 1984, Nielsen 1985, Davis 1986) that Lepidoptera phylogeny is an example of Hennig's "additive typogenesis" (Nielsen 1985, p. 1 and fig. 1). This implies a gradual acquisition of group characters from Zeugloptera onwards, culminating in the endoporian ditrysian suite of characters. However, "this relatively simple picture has become modified and much more complicated by the considerable amount of new information ... available during the last two decades" (Nielsen 1985, p. 2).

The following group-names have been used above the superfamily level (see Kristensen 1984, p. 186, fig. 13): Zeugloptera (includes Micropterigoidea); Aglossata (includes Agathiphagoidea); Heterobathmiina (includes Heterobathmioidea); Glossata, divided into Dacnonypha (haustellum without intrinsic musculature) and Myoglossata (with intrinsic musculature); the Myoglossata including the Neopseustina (Neopseustoidea); and the Neolepidoptera, including the Exoporia (Mnesarchaeoidea, Hepialoidea) and the Heteroneura (Nepticuloidea, Incurvarioidea, Palaephatoidea); the Eulepidoptera including the Etimonotrysia (Tischerioidea); and Ditrysia (all other superfamilies). Note that Glossata, Myoglossata, Neolepidoptera, and Eulepidoptera (Minet 1984, p. 147) are clades. Opinion is divided (cf. Minet 1984, Nielsen 1982, 1985, and Davis 1986) over the monophyly or otherwise of such categories as Heteroneura and Neolepidoptera, and, for that matter, of the position of the taxa Heterobathmiina and Exoporia (left hanging by Minet 1984, fig. 26), and whether the Zeugloptera alone, or Zeugloptera + Aglossata are the sister-group of all other Lepidoptera (see discussion by Kristensen 1984, p. 166).

Comprehensive discussions of Heteroneura phylogeny are given by Common (1975), Davis (1986, pp. 55–61), and Nielsen (1982, 1985a, 1985b). By and large the argument involves two assumptions: (a) that changes in frenular structures arose once; and (b) that the internal change from a ventral to a dorsal common oviduct in relation to the copulatory chamber (Dugdale 1974) arose independently in Exoporia and Ditrysia (Common 1975).

The classificatory outline given below is largely derived from Nielsen (1985a, pp. 15–16; 1985b, p. 142), Minet (1986), and Nielsen & Common (in prep.), but no categories above superfamily are listed except where the higher category includes only one superfamily. In such instances the higher term is given only as a recognition term, of possible use to the reader in literature searches.

Within the division (Davis 1986) or phalanx (Minet 1984, 1986) Ditrysia some 28 superfamilies are recognised (Minet 1983; Nielsen & Common, in prep.). Brock (1971) noted two groupings of superfamilies; these were refined by Kyrki (1983) and Minet (1983), largely on the basis of the structure of the thoracic / abdominal junction in adult moths. The term Apoditrysia (Minet 1983, p. 201) includes all ditrysian superfamilies with a tortricoid basisternite, and excludes those with a tineoid basisternite, i.e., Tineoidea, Yponomeutoidea, and Gelechioidea. As a concept, it still requires testing over a greater range of species, and its relation to

metafurcasternal structures (Davis 1986) and prothoracic structures (Minet 1984) needs more precise evaluation.

Minet (1986) gives a revised outline of Lepidoptera classification, and reduces the number of ditrysian superfamilies to 26. His removal of Choreutidae from Sesioidea – as "Ditrysia à affinités inconnue ou uncertaine" (p. 292, and note 61, p. 306) – is of relevance to the New Zealand fauna. Minet's outline does not include Hedyloidea, newly recognised as a group related to Papilionoidea (Scoble 1986).

Superfamilies of Lepidoptera, and their families

Those superfamilies and families absent from New Zealand have a minus sign following them; where the sign is in parentheses, the family is represented by introduced species only; e.g., Cossidae (–).

Micropterigoidea: Micropterigidae [Zeugloptera]
Agathiphagoidea: Agathiphagidae – [Aglossata]
Heterobathmioidea: Heterobathmiidae –
Eriocranioidea: Eriocraniidae –, Lophocoronidae –, Acanthopteroctetidae – [Dacnonypha]
Neopseustoidea: Neopseustidae –
Nepticuloidea: Nepticulidae; Opostegidae –
Mnesarchaeoidea: Mnesarchaeidae [Exoporia]
Hepialoidea: Hepialidae in the strict sense; "primitive Hepialidae" –, Anomosetidae –, Neotheoridae –, Palaeosetidae –, Prototheoridae – [Exoporia]
Incurvarioidea: Prodoxidae [?]; Adelidae –, Cecidoseidae –, Crinopterigidae –, Incurvariidae –, Heliozelidae –
Palaephatoidea: Palaephatidae –
Tischerioidea: Tischeriidae –
[Ditrysia: "non-apoditrysian" superfamilies]
Tineoidea: Tineidae, Psychidae, Arrhenophanidae –, Eriocottidae –, Pseudarbelidae –, Roeslerstammiidae, Gracillariidae, Bucculatrigidae –, Douglasiidae –
Yponomeutoidea: Yponomeutidae (including Ypsolophidae, Plutellidae in the sense of Nielsen & Common, in prep.), Glyphipterigidae, Lyonetiidae (including Bedelliinae), Heliodinidae –
Gelechioidea: Gelechiidae, Coleophoridae, Batrachedridae (in the sense of Nielsen & Common, in prep.), Cosmopterigidae, Blastobasidae (including Symmocidae, in the sense of Hodges 1978, p. 7) (–), Momphidae, Oecophoridae (Depressariinae, Oecophorinae, Stathmopodinae, Stenomatinae, Xyloryctinae, Peleopodinae in the sense of Hodges 1974 (–)), Lecithoceridae, Scythrididae, Holcopogonidae –, Elachistidae, Agonoxenidae –
[Ditrysia: Apoditrysia]
Cossoidea: Cossidae (–), Metarbelidae –, Dudgeoneidae –, Ratardidae –
Castnioidea: Castniidae – (Minet 1986 includes Castniidae in Sesioidea)
Sesioidea: Sesiidae (–), Choreutidae, Brachodidae –
Tortricoidea: Tortricidae (Tortricinae, Chlidanotinae, Olethreutinae)
Zygaenoidea: Zygaenidae –, Heterogynidae –, Phaudidae –, Megalopygidae –, Chrysopolomidae –, Somabrachyidae –, Limacodidae –, Dalceridae –, Epipyropidae –, Cyclotornidae –
Immoidea: Immidae –
Copromorphoidea: Copromorphidae, Carposinidae
Epermenioidea: Epermeniidae
Schreckensteinioidea: Schreckensteiniidae –
Alucitioidea: Tineodidae –, Alucitidae –
Pterophoroidea: Pterophoridae
Hyblaeoidea: Hyblaeidae –
Hedyloidea: Hedylidae –.
Hesperoidea: Hesperiidae –
Papilionoidea: Nymphalidae, Lycaenidae, Papilionidae –, Pieridae (–)
Bombycoidea: Bombycidae (–), Saturniidae (–), Anthelidae –, Apatelodidae –, Endromidae –, Eupterotidae –, Hibrildidae –, Lacosomidae –, Lasiocampidae –, Lemoniidae –, Brahmaeidae –, Carthaeidae –, Mirinidae, Oxytenidae –, Cercophanidae –
'Sphingoidea': Sphingidae (now regarded as bombycoids by Minet 1986)
Thyridoidea: Thyrididae
Calliduloidea: Callidulidae –, Pterothysanidae –
Pyraloidea: Pyralidae (Galleriinae, Phycitinae, Pyralinae), Crambidae (Crambinae, Pyraustinae, Nymphulinae, Scopariinae, Musotiminae)
Geometroidea: Geometridae (Ennominae, Geometrinae –, Larentiinae, Oenochrominae, Sterrhinae)
Axioidea: Axiidae –
Drepanoidea: Drepanidae (Thyatirinae) (–)
Uranioidea: Uraniidae (including Epipleminae) –
Mimallonoidea: Mimallonidae –
Noctuoidea: Arctiidae, Ctenuchidae, Noctuidae (Agaristinae, Acronictinae, Cuculliinae, "Catocalinae" (–), Chloephorinae (–), Euteliinae –, Hadeninae, Heliothinae (–), Herminiinae –, "Hypeninae", Hypenodinae, Noctuinae, Nolinae, "Ophiderinae", Plusiinae (–), Stictopterinae –), Notodontidae –, Thaumetopoeidae –, Dioptidae –, Thyretidae –, Lymantriidae (–), Aganaidae –

(Families of unknown position: Sematuridae –, Apoprogonidae –, Galacticidae –, Pterolonchidae –, Lathrotelidae –, Epicopeidae –)

Superfamily unknown: ***Titanomis*** Meyrick; ***"Lysiphragma" argentaria*** Salmon (both apoditrysian; see p. 214).

"Classification of the Lepidoptera reflects widely differing states of knowledge in different taxa" (Hodges 1983, p. xiv), a statement as true for New Zealand as for North America. What follows is a personal view of taxonomic treatments relevant to families represented in New Zealand by endemic or indigenous taxa. An asterisk denotes families with economically important members either in New Zealand or with a history of interception at our ports of entry.

Table 1 New Zealand Lepidoptera; numerical status, by family, of valid species (Spp.), endemics (End.), species naturally shared with Australia (NZ / Aus.), and vagrant and man-adventive species, both established (E) and non-establishing (N).

	Spp.	End.	NZ / Aus.	Vagrant (E)	Vagrant (N)	Man-adv. (E)	Man-adv. (N)
Micropterigidae	20	20					
Nepticulidae	32	31				1	
Mnesarchaeidae	10	10					
Hepialidae	28	28					
Prodoxidae	1	1					
Tineidae	101	86	2	2		11	
Psychidae	51	47		1		3	
Roeslerstammiidae	2	2					
Gracillariidae	23	18				5	
Yponomeutidae	45	42	2	1			
Glyphipterigidae	34	34					
Lyonetiidae	5	1	1		1	2	
Gelechiidae	50	42		3		5	
Batrachedridae	9	9					
Blastobasidae	2			1		1	
Coleophoridae	3					3	
Cosmopterigidae	10	7	3				
Lecithoceridae	1					1	
Momphidae	3	2	1				
Oecophoridae	271	259	2	3		7	
Scythrididae	6	6					
Elachistidae	25	23	1		1		
Cossidae	1						1
Sesiidae	1					1	
Choreutidae	24	23	1				
Tortricidae	185	174	4	1		6	
Copromorphidae	3	3					
Carposinidae	25	25					
Epermeniidae	1	1					
Pterophoridae	21	18	1	1			1
Lycaenidae	9	7	2				
Nymphalidae	19	8	2		7		2
Pieridae	2				1	1	
Bombycidae	1					1	
Saturniidae	6					2	4
Sphingidae	3		1		2		
Thyrididae	1	1					
Pyralidae	22	7	4	1	2	8	
Crambidae	233	226	3	3	1		
Geometridae	285	277	5	1	1	1	
Thyatiridae	1						1
Arctiidae	8	4	(1)	1	2	1	
Ctenuchidae	1						1
Lymantriidae	1						1
Noctuidae	174	138	8	9	17	1	1
Affiliation unknown	2	2					
Total:	**1761**	**1582**	**43**	**28**	**35**	**61**	**12**
% of total:		89.8	2.4	1.6	2.1	3.5	0.6

(a) Families in which revisionary work has been or is being done in a *world* context: Micropterigidae, Nepticulidae, Mnesarchaeidae, Hepialidae*, Tineidae*, Tortricidae*, Gelechiidae (part), Crambidae (Crambinae*).

(b) Families in which some revisionary work has been or is being done in a *local* context: Noctuidae*, Geometridae*, Yponomeutidae (in a broad sense)*, Choreutidae, Momphidae, Tineidae*, Psychidae, Elachistidae, Arctiidae,

Nymphalidae.

(c) Families newly recognised in New Zealand. Epermeniidae, Roeslerstammiidae, ?Prodoxidae.

(d) Families most in need of revision once overseas classification makes this practicable (usually families with a confused or contradictory subfamily classification or little recent overseas information): Oecophoridae* (including Depressariidae*), Noctuidae*, and the taxa *Titanomis* and "*Lysiphragma*" *argentaria*.

(e) Families that practicably can be revised now: Psychidae*, Tineidae*, Gracillariidae*, Yponomeutidae*, Glyphipterigidae*, Crambidae (Scopariinae*), Gelechiidae*, Carposinidae*, Elachistidae, Cosmopterigidae*, Choreutidae, Pyralidae*, Geometridae*.

COMPOSITION OF LEPIDOPTERA FAUNA OF NEW ZEALAND

(see Table 1)

Degree of endemism

Of the 1760 or so species recognised in this catalogue, 1582 (89.8%) are endemic. This high degree of endemism is also characteristic of the Hawaiian Islands, and is approached by Madagascar and St Helena.

Proportion of non-ditrysian groups

New Zealand has five of the eleven recognised non-ditrysian superfamilies. Nielsen (1985a) has pointed out that about 98–99% of the known Lepidoptera fauna is in one structural group, the (endoporian) Ditrysia, characterised by having the common oviduct dorsal to the bursa copulatrix, and these joined by an internal ductus seminalis. The remaining 1%, or 'non-Ditrysia', are classed in several profoundly distinct divisions. These 'primitive' groups are well represented in South America and Australia (Nielsen 1985a), and at the species level in New Zealand form 5% of our total fauna.

One superfamily, the Mnesarchaeoidea, is endemic. Various features, including the porrect antennae, pseudofrenular hindwing structures, and porrect, scaled maxillary palpi, are distinctive within Exoporia.

A feature of New Zealand's non-ditrysian fauna is the lack of the superfamilies Agathiphagoidea (but host *Agathis* is present), Heterobathmioidea (but host *Nothofagus* is present), and Eriocranioidea (but one host family, Fagaceae, is present). Palaephatoidea are also absent, although present in Australia (Nielsen 1985). Heterobathmioidea, Tischeroidea, and Neopseustoidea are also absent from Australia, and in Incurvarioidea the sole New Zealand representative has characters of the Northern Hemisphere and southern South American family Prodoxidae (cf. *Lampronia*) rather than of the Heliozelidae, Adelidae, and Incurvariidae, which are present in Australia.

Ditrysia representation

New Zealand has 11 of the 28 ditrysian superfamilies recognised by Minet (1983) and Nielsen & Common (in prep.). Some major absences are Cossoidea, Zygaenoidea, Hesperioidea, Drepanoidea, and Bombycoidea; these account for a significant proportion of the lepidopteran fauna of North America (Hodges 1983) and Australia (Common 1970). Largely tropical superfamilies such as Immoidea, Alucitoidea, Hyblaeoidea, Callidulloidea, and Uranioidea are also absent, although other superfamilies are represented in New Zealand by largely tropical groups, e.g., in Thyridoidea, and Copromorphidae in Copromorphoidea. *Vanicela* in Tineoidea and *Lopharcha* in Tortricoidea are also tropical elements in the New Zealand fauna.

Poor representation of Papilionoidea (with no Papilionidae) is an enigmatic feature of the New Zealand fauna, and at the family level, in contrast to eastern Pacific island faunas, the very small number of species in Cosmopterigidae is particularly striking. Conversely, the eastern Pacific is weak in Oecophoridae, a family well represented in New Zealand, Australia, and New Caledonia.

As in Australia, the major superfamilies are Gelechioidea, Geometroidea, Pyraloidea, and Tortricoidea. In both countries, within Gelechioidea, the Oecophoridae overwhelmingly predominate.

New Zealand's Lepidoptera fauna is dominated by a few large genera: *Tingena* in Oecophoridae, with over 80 genitally distinct species; *Orocrambus* in Crambidae, with over 50; and the *Eudonia* – *Scoparia* complex, with over 100. Most of our Noctuidae are in one subfamily, Hadeninae, and three-quarters of our Geometridae are in Larentiinae (with at least 15% in one genus, *Asaphodes*). In Choreutidae and Glyphipterigidae all but one species each are in a single genus.

Presence in New Zealand of suitable host families or genera is no guarantee of the presence here of phytophagous Lepidoptera which are restricted to them elsewhere, as noted above. Moraceae genera support Copromorphidae here, as they do in Australia and Fiji, but we lack the choreutid genera *Eutromula* and *Tortyra*, and the danaine genus *Euploea*. Rubiaceae are well represented here, but we lack Sphingidae, which are a feature of the fauna on Pacific Rubiaceae.

'Microlepidoptera / macrolepidoptera' proportions

The artificial (but still practical) division into micros and macros shows some striking differences between

faunas. Figures derived from this catalogue, Common (1970), Kloet & Hincks (1972), Karsholt & Nielsen (1976a), and Hodges (1983) indicate that in New Zealand, Australia, Great Britain, and Denmark respectively 'micros' form over 50% of lepidopterous faunas, contrasting curiously with North America, where 'micros' form only 34%. This apparent disparity should perhaps be viewed more as an artefact than a reflection of reality.

Fossil representation

Only one lepidopterous fossil has been reported, a pink scale embedded in Oligocene coal from Glen Afton (WO) (Evans 1931, p. 99). Tillyard (*in* Evans 1931) considered it to be lepidopterous, and noted that Sphingidae and Hepialidae have similar 'fish-tail' wing-scales. Because of the pink colour, Tillyard favoured *Porina* (= *Wiseana*). Searches of fossil leaves for mines (Wilkinson, in prep.) have yielded at least one conclusive New Zealand leaf mine, and probably more.

Relationships with other biogeographic areas

New Zealand biogeography is undergoing critical study from a panbiogeographic viewpoint (Craw 1985). For Lepidoptera, a major survey of migrants across the Tasman (Fox 1978) showed that (a) over the past 100 years, the species composition of the migrant fauna in any one decade was invariable, and (b) all species were widely distributed, either in Australia or in the Old World Tropics. The inference must be that dispersal over sea has made a minor contribution to our fauna.

The Kermadec Lepidoptera show no solely New Zealand relationships; all species common to both are present in Australia, and most species are found extensively in the subtropical Pacific. Species presumed to be endemic to the Kermadecs belong to groups with no close New Zealand relationships (see Appendix, p. 235); but the question of endemicity is bound up with the state of interpretation of the relevant groups.

The two island groups in the Tasman Sea between Australia and New Zealand show contrasting degrees of New Zealand representation in Lepidoptera. Lord Howe Island (169°E, 32°S) is not known to have Lepidoptera with solely New Zealand relationships, whereas Norfolk Island (168°E, 29°S) has (Holloway 1977). Examples are in Geometridae (*Pseudocoremia*), Gelechiidae (*Anisoplaca*), and Momphidae (*Zapyrastra calliphana*, on Polygonaceae). The geometrid genus *Austrocidaria* is also present, as it is in eastern Australia. Neither island appears to support *Nyctemera* (Arctiidae). Other examples may be found as interpretation of microlepidoptera is refined.

As may be seen in Table 1 (p. 14), New Zealand shares with Australia about 6.1% of its Lepidoptera species, of which some 2.4% are assumed to be naturally shared, having been collected at the start of European exploration (e.g., *Bassaris itea*, collected during Cook's first voyage) or European settlement, and associated with an indigenous host (e.g., *Strepsicrates ejectana*, on *Kunzea* and *Leptospermum*). Around 64 species (3.7%) are known or presumed to be migrant from Australia, and half of these have become established, either on adventive plants common to both countries or on Australian endemic plants naturalised in New Zealand. Species shared with Australia are in Arctiidae, Noctuidae, Geometridae, Crambidae, Sphingidae, Nymphalidae, Lycaenidae, Tortricidae, Oecophoridae, Gelechiidae, and Cosmopterigidae (Table 1).

The Chatham Islands are unusual in the virtual absence of Oecophoridae; in Tortricidae, the preponderance of taxa related to *Merophyas*; and the relatively high degree of local endemism (about 30%).

Above the species level, with its very high degree of endemism, the degree of autochthony is related to the degree of interpretation of each group worldwide. Only for Micropterigoidea is interpretation well advanced (Gibbs 1983); close relationships are shown with New Caledonia, and with Australia, and our representation mirrors that of Japan. Gaskin (1986) has discussed possible roles of the inner and outer Melanesian Arcs in regard to Diptychophorini (Crambidae) in New Zealand. Initial studies on Geometridae indicate strong Australian relationships for some groups (Craw 1986) and strong South American relationships for others.

Although trans-Tasman species pairs are known in several families, only the *Nyctemera annulata* – *N. amica* pair has been adequately analysed (Kay 1980). Other candidate pairs are known in Tineidae, Yponomeutidae, Glyphipterigidae, Batrachedridae, Cosmopterigidae, Elachistidae, Momphidae, Oecophoridae, Geometridae, and Noctuidae, but in each family they are the exception rather than the rule.

In some instances (*Tanaoctena* in Yponomeutidae, *Vanicela* in Roeslerstammiidae, "*Horisme*" in Geometridae), relationships include the Pacific as well as Australia, and it is worth noting that two New Zealand *Kessleria* species (Yponomeutidae) have seemingly identical counterparts on New Caledonia. Povolny (1977) demonstrated the close relationship between Nepalese *Empista* and New Zealand *Kiwaia* (Gelechiidae), and the oriental *Terricula* has genital and external similarities with *Ochetarcha* (Tortricidae).

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CONCEPTS AND CONVENTIONS USED IN THE CATALOGUE

The catalogue is essentially a chronicle of nomenclatural and historical actions. Its construction was guided by the principles listed in the Introduction to the third edition of the International Code of Zoological Nomenclature (1985) 1983. It is also based on the principle "see for yourself"; a principle that, given the accumulative nature of systematics collections practices, is possible to act on in nearly all instances. Its necessity is the basis of the Principle of the Name-bearing Type.

For the consequences of revisers not being enabled to see for themselves, see Dugdale (1986). Additional instances are found in D.E. Gaskin's revisions of New Zealand Crambinae, under *Glaucocharis* (several species) and *Orocrambus simplex*. All the wrong citations could have been averted had Gaskin been able to see for himself.

The basic unit of taxonomy is the type specimen, and the basic unit of systematics is the concept of a type population (the population in the locality at which the type specimen was captured). Therefore, we have to ascertain that the specimen indicated as the name-bearing type is in fact that entity as published, and that it did come from the type locality claimed.

Recognition of the type. To be a type, the specimen has to fit the following criteria. It, and its labels, must agree with the original published description, and the labels (to be original) must be of the period in which the species was described, and show idiosyncrasies restricted to the author and/or collector of the specimen. We can ask three questions about a type specimen:

- Is there additional information (in diaries, correspondence, reports) that can verify that this must be the type, and that the locality is correct?
- Who placed the 'Type' or 'Holotype' label on the specimen?
- Is the type status of a specimen implicit in some idiosyncrasy of the original author's way of labelling or positioning a type specimen?

Neotypes. Where the type is missing, or cannot be found, the temptation to choose a neotype is best ignored. No neotypes can be proposed in a catalogue; for *Gymnobathra dinocosma* (Meyrick) (Oecophoridae; p. 92) possible candidates are listed, one of which could replace the specimen stated by Meyrick (in a letter to G.V. Hudson) to have been demolished. In general, a neotype is chosen only if (a) the chooser personally saw the original destroyed, or if there is a statement to the effect that the original was destroyed, and (b) in the context of revisionary work.

Type localities. Pinpointing type localities can be difficult (e.g., Dr Hector's locality "Otago"), for a number of reasons: (1) the collector travelled or collected widely over a diverse province; (2) the locality name fell into disuse (e.g., Meyrick's "Taranaki" for New Plymouth); (3) a mistake was made (e.g., T.R. Oxley's collection stated to be from "Auckland", in reality came from Nelson). Difficulty is often resolvable by consulting old maps and gazetteers.

Difficulties 1 and 3 can be resolved by finding relevant letters (e.g., T.R. Oxley's collections), diaries (e.g., E. Meyrick's precise collecting localities), or a duplicate collection, with the same species representation and collecting date, and with authentic labels (i.e., in the collector's handwriting).

Another method is to compare present-day representation with that in the original collection. Oxley's "Auckland" collection included: (a) *Wiseana cervinata* (Walker), never collected in Auckland subsequently; (b) several species never subsequently (or previously) collected in the North Island; and (c) his *Graphania mutans* (Walker) and synonyms, differing considerably in size and colour pattern intensity from those of collectors previous (e.g., D. Bolton) and subsequent. Clearly, "Auckland" was the wrong recorded locality (and in the wrong island); a collection from Oxley labelled "Nelson 1860" in the Stainton Collection, and a letter from Oxley to Dr Monro, have made it clear that Nelson, in the South Island, was the general locality.

Some lapses were obvious; some of Meyrick's material from the subantarctic and the (subtropical) Kermadec Islands had the other's label data. As the two faunas are so distinct, no difficulty was encountered. Other lapses are more difficult (see *Proditrix megalynta* (Meyrick), Yponomeutidae; *Mallobathra globulosa* Meyrick, Psychidae).

Haste may have caused Philpott to record the type locality of *Astrogenes insignita* Philpott (Tineidae) as Woodhaugh, Dunedin DN, and place his type designation on the one specimen in the type series from Waikaraka, Whangarei ND (see p. 60).

Informal 'paratype' series. Because Philpott, Fereday, Hudson, and Howes each sent to Meyrick parts of a series they regarded as representing a species, and retained the balance, specimens still present in their collections (at NZAC, CMNZ, NMNZ, and AMNZ respectively) are informal members of the type series. They have no nomenclatural significance except that their label data are often fuller (Meyrick and Guenée generally relabelled material). Systematically they are important as they may show a better representation of variation in the type population.

Conventions

(1) Institutions housing types are indicated using the four-letter codes of Watt (1982), as follows.

AMNZ	Auckland War Memorial Museum, Auckland, New Zealand
ANIC	Australian National Insect Collection, CSIRO, Canberra, Australia
BMNH	British Museum (Natural History), London, England
CMNZ	Canterbury Museum, Christchurch, New Zealand
CNCI	Canadian National Collection of Insects, Ottawa, Canada
HCOE	Hope Entomological Collections, Oxford, England
IZWP	Institute of Zoology, Academy of Sciences, Warsaw, Poland
MNHN	Museum National de l'Histoire Naturelle, Paris, France
NHMW	Naturhistorisches Museum, Wien [Vienna], Austria
NMNZ	National Museum of New Zealand (formerly Dominion Museum), Wellington, New Zealand
NMVA	National Museum of Victoria, Melbourne, Australia
NRSS	Naturhistoriska Riksmuseet, Stockholm, Sweden
NZAC	New Zealand Arthropod Collection (formerly part of Cawthron Institute, Nelson), DSIR, Auckland, New Zealand
SMNZ	Southland Museum, Invercargill, New Zealand
VUNZ	Zoology Department, Victoria University of Wellington, New Zealand
ZILR	Zoologicheski Institut Akademii Nauk, Leningrad, Russia
ZMDK	Zoologisk Museum, Copenhagen, Denmark

(2) Type locality information, where differing from or a refinement of the author's published statement, is enclosed by brackets [ ]; a published emended type locality is enclosed by parentheses ( ).

(3) The symbol § denotes a name first published in summaries or abstracts in 'The New Zealand Journal of Science (Dunedin)' 1882–1885. This journal gave summaries of descriptive papers prior to their publication in full in the 'Transactions & Proceedings of the New Zealand Institute'. One stated aim of the journal was to ensure priority (*N.Z. Jl Sci (Dunedin) 1 (1)*, p. 2). By and large the abstracts as printed are full of typographical errors.

(4) Superfamilies and families are arranged as in the list on p. 13. Within each family subordinate taxa are listed alphabetically (i.e., subfamilies within families, genera within subfamilies (or tribes), species within genera).

(5) Citations in the text are by author, date, page, and sometimes plate and/or figure number; all citations are given in full under References, pp. 215–234.

(6) The catalogue gives, for species, the species name, authority, date, page and/or figure numbers, and original genus (in parentheses). For each species name, whether synonymised or not, then follows: type locality, and area code (as in Crosby *et al.* 1976); collector; type status (HT, holotype; LT, lectotype; NT, neotype; PLT, paralectotype; PT, paratype, including allotype; ST, syntype) and gender; if only one specimen had been seen by the describer, the term 'unique' is added. Where the specimen is distinctively damaged, details are noted. Finally, the institution housing the type is listed (see section 1, above). Then follows cross-reference to Hudson's monographs and any other publications that are nomenclaturally relevant. Lastly, under Notes, any relevant further information is given.

For genera, the name, author, date, page number, type species, and status of the type designation are given.

With synonymies, reference to the first synonymiser is given. Although this information is not usually given in catalogues, it is necessary for interpretation of the nomenclatural history of a taxon.

Higher taxonomic categories, especially those recently recognised or redefined, usually have 'in the sense of' and an author, date, and page number, so that readers can (a) be certain whose concept is adopted, and (b) check for themselves.

(7) The Taxonomic Index covers all nominal taxa mentioned in the catalogue, with those regarded as synonyms in lighter type. Thus, the name *Agriophara coricopa* (in Stenomidae in previous publications) can be found in the index by looking for *Agriophara* or *coricopa*, and turning to the indicated page, where that binomen will be found to be a synonym of *Agriophara colligatella*, in Stenomatinae. Where a specific name is used in many genera, the generic names are in alphabetical sequence.

Good hunting.

KEYS TO HIGHER TAXA IN NEW ZEALAND LEPIDOPTERA

Cautionary note: limitations of the keys. The following keys refer strictly to the groups found in New Zealand. In constructing them I have tried to answer the question "What characters used to recognise this group are least fallible?" Apart from facies (habitus, general appearance), which is often useful when dealing with greatly incomplete faunas such as New Zealand's, very few 'traditional' characters are uniformly present throughout the taxa they supposedly encompass, under the present classifications. The reader's attention is drawn to keys to more 'complete' faunas, which will be of more use to those identifying taxa intercepted in quarantine – e.g., Common (1970), Holloway *et al.* (in press), Nielsen & Common (in press). Conversely, the following keys cannot reliably be employed for other faunas.

Some genital and venation characters can be exposed by brushing away the vestiture with a fine sable brush or snipe feather. Otherwise, genitalia should be prepared as described by Robinson (1976). Gross venational characters can be briefly exposed by using a solvent (absolute alcohol, acetone, or xylene [carcinogenic!]) and examining with transmitted light. For more detailed study the techniques outlined by Zimmerman (1978, pp. 73–86), involving the use of bleaching agents, should be used. Wing vein notation is that recommended by Wootton (1971, pp. 91–92).

There are three sets of keys: (A) to superfamilies; (B) to families and subfamilies; (C) to brachypterous adults. Immature stages are not keyed.

(A) KEY TO SUPERFAMILIES

01 Antenna apically clubbed (Fig. 40), the flagellar segments cylindrical, never pectinate or long-setose; forewing (Fig. 74a) lacking a jugum or retinaculum; hindwing (Fig. 74b) lacking a frenulum, with dorsal margin expanded, and often with a humeral vein; metascutellum (Fig. 95, 96) perpendicular, sunken dorsally; diurnal, broad-winged, brightly patterned Lepidoptera (butterflies: Fig. 171–173)
... (p. 135) .. **PAPILIONOIDEA**

—Antenna apically tapering, the flagellar segments various, often pectinate, serrate, or long-setose; forewing with a jugum (Fig. 45a, 48a, 49a) or retinaculum (Fig. 78a, insert); hindwing usually with a frenulum (Fig. 50b; but not in groups with a jugum, nor in Bombycoidea), with dorsal margin not expanded (except in Bombycoidea), and lacking a humeral vein; metascutellum horizontal, usually convex dorsally (Fig. 90–92) ... 02

02 (01) Forewing and hindwing (Fig. 45, 47–49) with similar venation, i.e., with 4 or 5 radial veins; forewing with a jugum; hindwing lacking a frenulum, and with 11 or 12 veins reaching the margin ... 03

—Forewing and hindwing with dissimilar venation, i.e., hindwing radial veins 2 or less; forewing with a retinaculum; hindwing usually with a frenulum, and with 10 or less veins reaching the margin ... 05

03 (02) Large to very large, stout moths (Fig. 142) with wingspan over 30 mm, or exceeding 70 mm; body thickly clothed in long, pilose scales; antennae less than 0.25× as long as forewing; middle and hind tibial spurs and bristles absent; hind leg shorter than middle leg; maxillary palpi and haustellum rudimentary or absent (New Zealand species)
... (p. 56) .. **HEPIALOIDEA**

—Small to very small, slender moths (Fig. 139, 141) with wingspan 10 mm or less; body with sparse vestiture; antenna more than 0.3× as long as forewing; hind leg longer than middle leg; maxillary palpi either short, porrect, 3-segmented (often only 2 segments visible), or long, folded between segments 1 and 2 and 3 and 4 ... 04

04 (03) Maxillary palpi longer than labial palpi, 4-segmented, folded, the 4th segment prehensile; antennal scape dumbbell-shaped; mouthparts (Fig. 1) mandibulate; head loosely tufted with hair-like scales, appearing broader than thorax; mesoscutum without a midline suture; middle and hind tibiae with spine-whorls, but only hind tibiae with spurs; forewing pattern usually metallic; venation as in Fig. 45 ... (p. 52) .. **MICROPTERIGOIDEA (Micropterigidae)**

—Maxillary palpi shorter than prominent labial palpi, 3-segmented, porrect; antennal scape barrel-shaped; mouthparts (Fig. 3) haustellate; head thickly scaled, not appearing broader than thorax; mesoscutum with a midline suture (e.g., Fig. 92, 95, 96); middle and hind tibiae with spurs; forewing pattern not metallic; venation as in Fig. 47
... (p. 55) .. **MNESARCHAEOIDEA (Mnesarchaeidae)**

05 (02) Ovipositor a dorsoventrally flattened, laterally serrate needle formed from abdominal tergite 8 (Fig. 117); vinculum an elongate 'V', over 5× as long as valva; valva with a pectinifer (information based on 2 incomplete pharate adults) ... (p. 59) .. **INCURVARIOIDEA (Prodoxidae)**

—Ovipositor not as above, but if acuminate then formed from papillae anales; vinculum not as above; valva without a pectinifer ... 06

06 (05) Tympanal organs (e.g., Fig. 97–115) present, externally visible in region of thoraco-abdominal junction; usually a scaled 'collar' (e.g., Fig. 30, 31), divided on dorsal midline, between head and metathorax ... 07

—Tympanal organs absent, or not externally visible at thoraco-abdominal junction; 'collar' indistinct, or appearing as an unbroken scale series (e.g., Fig. 14) between head and mesonotal scaling ... 09

07 (06) Haustellum scaled at least basally (Fig. 26); hindwing with veins *Sc+R1* and *Rs* approximated or fused beyond discal cell (Fig. 76, 77); maxillary palpus porrect or ascending, scaled, often conspicuously so (Fig. 26); antennal socket often separated from eye margin by a scale band (Fig. 26) ... (p. 141) .. **PYRALOIDEA**

—Haustellum nude; hindwing with veins *Sc+R1* and *Rs* divergent beyond discal cell; maxillary palpi minute or absent ... 08

08 (07) Chaetosemata present (Fig. 27); tympanal organ complex formed entirely from basal abdominal pleurite and sternite 2; tympanum directed ventrolaterally (Fig. 104–108) ... (p. 163) .. **GEOMETROIDEA**

—Chaetosemata absent (Fig. 28, 29); tympanal organ complex involving metathoracic (metepimeral) and basal abdominal structures; tympanal membrane on metathorax, directed posteriorly, and with a counter-tympanal hood or process on the basal abdominal pleura; often with a lobate hindwing axillary cord ... (p. 194) .. **NOCTUOIDEA**

09 (06) Very large moths (over 60 mm wingspan) with stout bodies densely scale-covered; metanotum scaled; antennae pectinate (Fig. 136) or with a hook-tip (Fig. 39) ... 10

—Slender, large or small or very small moths; metanotum usually naked or largely so; antennae pectinate or simple, never hook-tipped ... 11

10 (09) Antenna pectinate, less than one-quarter as long as forewing; body stout, short, densely clad in woolly scales; forewing and hindwing both broad, similarly marked, and usually with an ocellate or lunate discal mark (Fig. 136) ... (p. 140) .. **BOMBYCOIDEA (Bombycidae, Saturniidae)**

—Antenna hook-tipped (Fig. 39); body elongate, fusiform, streamlined; forewing narrow; hindwing less than three-quarters as long as forewing (Fig. 137) ... (p. 140) .. **"SPHINGOIDEA" (Sphingidae)**

11 (09) Very small moths (4–8 mm wing span); fore tibia lacking an epiphysis; maxillary palpi 4-segmented, folded; labial palpi smaller than maxillary palpi, porrect to upcurved, drooping in dried specimens (Fig. 2); forewing with a strong, setose cubital retinaculum and a weak subcostal series of hooked scales (Fig. 46), and with *Rs* stem vein strongly curved towards dorsum in the middle; short, stout moths (Fig. 140); antennal scape expanded into an eyecap; head with erect hair-scales; ovipositor lacking anal papillae, broadly truncate-triangular, flat (Fig. 116) (N.Z. species only) ... (p. 53) .. **NEPTICULOIDEA (Nepticulidae)**

—If small, fore tibia with an epiphysis (Fig. 43, *ep*) and labial palpi porrect or ascending, projecting beyond maxillary palpi; forewing with a subcostal retinacular process (e.g., Fig. 75) in male and *Rs* stem more or less straight, roughly parallel with costa ... 12

12 (11) Haustellum naked, or absent ... 13

—Haustellum scaled ... 20

13 (12) Wings scaled only along veins (Fig. 67), i.e., membrane nude (ocelli prominent; wings each with a line of hooked setae, along *1A–2A* on forewing and along *Sc+R1* on hindwing, the lines interlocking; body smoothly clothed in metallic scales) ... (p. 112) .. part **SESIOIDEA (Sesiidae)**

—Forewings at least without nude areas; forewing without anal retinacular hooks and hindwing without such hooks on *Sc+R1* ... 14

14 (13) Wings cleft (Fig. 73), the forewing with 2 lobes, the hindwing with 3; slender-bodied, long-legged moths (Fig. 170); resting posture T-shaped; maxillary palpi 1-segmented; hindwing ventrally often with specialised scales along *CuA*; venation as in Fig. 73
... (p. 132) .. **PTEROPHOROIDEA (Pterophoridae)**

—Wings entire; hindwing without specialised ventral scaling ... 15

15 (14) Abdomen in male with a process on pleura of segment 2 (Fig. 94); slender moths with forewing termen emarginate (Fig. 169) ... (p. 132) .. **EPERMENIOIDEA (Epermeniidae)**

—Abdomen in male lacking a pleural process on segment 2 ... 16

16 (15) Forewings triangular, vein *Rs3* ending at truncate apex (Fig. 75); male retinaculum a long, slender hook (Fig. 75); aculum a long, slender hook (Fig. 75); both pairs of wings brown or orange-brown, with a netted pattern; wingspan 18–25 mm; facies as in Fig. 174; venation as in Fig. 75 ... (p. 141) .. **THYRIDOIDEA (Thyrididae)**

—Forewings not as above; *Rs3* extending only to costa; male *Sc* retinaculum a short thumb (Fig. 70, dotted); facies not geometroid ... 17

17 (16) Maxillary palpi minute or appressed; labial palpi either porrect or subascending, expanded dorsally and ventrally by scales (e.g., Fig. 22); ocelli usually present ... 18

—Maxillary palpi obvious, porrect or long and folded; labial palpi elbowed or roughly arcuate, at most only segment 2 expanded apically by scales ... 19

18 (17) Chaetosema and ocelli present (Fig. 21; ocelli sometimes rudimentary); lower frons with short, ascending scales; forewing (Fig. 69a) with *M* vestigial in discal cell, vein *CuA2* from three-quarters of cell length; male forewing (Fig. 70a) often with a costal fold; mesoscutum with a midline suture at least posteriorly (Fig. 92); ovipositor appearing as paired, leaf-like pads (Fig. 127), protruded (with short apophyses) at rest; hindwing sometimes with a broad cubital pecten (Fig. 69b, 70b) ... (p. 114) .. **TORTRICOIDEA**

—Chaetosemata absent, ocelli present or absent (Fig. 24); lower frons with descending scales; forewing (Fig. 71a, 72a) with *M* absent from discal cell, vein *CuA2* from close to discal cell apex; male forewing with no costal fold; mesoscutum lacking any trace of a midline suture; ovipositor more or less cylindrical, narrow, retracted at rest, greatly protrusible (apophyses long) (Fig. 128); hindwing with a linear cubital pecten (Fig. 71b, 72b), at least in female
... (p. 129) .. **COPROMORPHOIDEA**

19 (17) Haustellum usually pallid, with galeae dissociated (Fig. 5); maxillary palpi porrect and ascending (Fig. 7) or long and folded (Fig. 5), or, if absent, haustellum obsolete; labial palpi often with bristles on segment 2 (and maxillary palpi long, folded) (Fig. 5), or, if up-curved (and maxillary palpi porrect), then smooth-scaled; head often with tufts of hair-like scales; male lacking pleural lobes on 8th abdominal segment; female often with post-cubital retinacular scales (Fig. 51)
... (p. 59) .. **TINEOIDEA**

—Haustellum with galeae associated (locked); maxillary palpi porrect, or folded over haustellum base, or rudimentary (apparently absent); labial palpi lacking bristles, geniculate or ascending, often tufted ventrally on segment 2 (Fig. 8), the apical segment often longer than segment 2 (Fig. 8, 11); male with 8th abdominal pleura expanded (Fig. 124), or with large lobes enclosing the genitalia (Fig. 125); female with retinacular scales at discal cell base (Fig. 53)
... (p. 73) .. **YPONOMEUTOIDEA**

20 (12) Haustellum usually clothed with scales over most of its length (except Elachistidae); maxillary palpi scaled, folded over haustellum base (Fig. 18); labial palpi recurved (if segment 2 expanded with scales then apical segment slender and usually acute) (Fig. 12–20); if haustellum scaled on basal quarter or less, then wings slender, forewing pointed, with termen very oblique; metascutum not divided by metascutellum (Fig. 91)
... (p. 80) .. **GELECHIOIDEA**

—Haustellum clothed with scales on less than basal quarter and maxillary palpi unscaled, minute, pointing ventrally, under haustellum base (Fig. 23); stoutly built, small, dark moths (Fig. 165) with short, ascending labial palpi expanded dorsally and ventrally with black and

white scales (Fig. 23); wings tending oblong (termen scarcely oblique) (Fig. 68); metascutum divided by metascutellum (Fig. 93) ... (p. 113) .. part **SESIOIDEA (Choreutidae)**

Notes. (1) Cossoidea and Drepanoidea are not keyed because (a) cossoids are no longer imported (in logs of the host trees) and (b) the drepanoid imported for evaluation as a biological control agent against blackberry was never released, and the laboratory colony was destroyed.
(2) See catalogue section 'Species of uncertain family position' (p. 214) for notes on *Titanomis sisyrota* (venation as in Fig. 88) and "*Lysiphragma*" *argentaria* (venation as in Fig. 89).

(B) KEYS TO FAMILIES AND SUBFAMILIES

(of Hepialoidea, Tineoidea, Yponomeutoidea, Gelechioidea, Tortricoidea, Copromorphoidea, Papilionoidea, Bombycoidea, Pyraloidea, Geometroidea, Noctuoidea)

Superfamily Hepialoidea

01 Forewing veins *Rs3* and *Rs4* arising separately along *Rs1+2* stem (Fig. 49) ... **"Oxycaninae" of Dumbleton**

—Forewing veins *Rs3* and *Rs4* stalked, from *Rs1+2* stem (Fig. 48) ... 02

02 (01) Antennal segments flattened, not pectinate (Fig. 33); male hind tibia with a hair pencil; body vestiture densely short-pilose, smooth; patterned in green (sometimes bluish or yellowish) on males, green and brown on females; wingspan sometimes exceeding 100 mm; hindwing in male (Fig. 48b) triangular, in female elongate ovate ... (p. 56) .. ***Aenetus* group**

—Antennal segments bipectinate in both sexes (Fig. 32); male hind tibia lacking a hair pencil; body vestiture long-pilose, woolly; forewings patterned in shades of brown, often with whitish maculation; wingspan usually about 60 mm; male hindwing oval; autumn-emerging ... (p. 56) .. ***Aoraia* group**

Superfamily Tineoidea

01 Mouthparts (haustellum, maxillary palpi) obsolete or absent (Fig. 6); (antenna in male pectinate (e.g., Fig. 144) or simple, the segments with dorsal scales only (Fig. 35, 36)); female winged or apterous or immobile, always with a tuft of long hair-scales surrounding ovipositor (Fig. 120) ... (p. 67) .. **Psychidae**

—Haustellum and maxillary palpi usually present, but if absent, antennal segments with appressed scales on most of surface (*Lindera*); female without a tuft of long hair-scales surrounding ovipositor (Fig. 118, 119) ... 02

02 (01) Maxillary palpi long, folded (Fig. 5) and labial palpi elbowed, usually with bristles on segment 2 (but if maxillary palpi absent and labial palpi not bristled (*Lindera*), then fore and middle tibiae with apical spines); venation as in Fig. 50; ovipositor either protrusible with long apophyses (Fig. 118) or, if not protrusible, then ovipositor lobes pad-like, divergent, and apophyses short ... (p. 59) .. **Tineidae**

—Maxillary palpi short, porrect or ascending (Fig. 7); labial palpi without bristles, curved or geniculate; in female, anterior and posterior apophyses very short, and anal papillae lobes appressed, more or less rhomboidal in side view (ovipositor scarcely protrusible) (Fig. 121, 122) ... 03

03 (02) Extremely slender, narrow-winged moths (Fig. 51, 147); antenna as long as forewing or longer, with each segment completely scaled, and scape more or less barrel-shaped; male lacking a gnathos (Fig. 130); venation as in Fig. 51 ... (p. 70) .. **Gracillariidae**

—Narrow-winged (*Vanicela*) or broad-winged (Fig. 52) moths; if antenna as long as forewing (*Dolichernis*, Fig. 146) then segments scaled dorsally only; antennal scape flattened, with awning and pecten (Fig. 37) obscuring the compound eye; male with a gnathos (Fig. 129) ... (p. 70) .. **Roeslerstammiidae**

Superfamily Yponomeutoidea

01 Ocelli prominent; maxillary palpi microscopic; labial palpi recurved (never geniculate), either dorsoventrally flattened (Fig. 10) or with segment 2 bearing a porrect scale tuft on ventral surface (Fig. 9); usually rather refulgent moths, with an eyespot or black hook at forewing apex (Fig. 149); pleural area on abdominal segment 8 of male somewhat expanded (Fig. 124) ... (p. 76) .. **Glyphipterigidae**

—Ocelli absent; maxillary palpi rudimentary or 4-segmented, porrect, scaled; labial palpi not as above, or if with a tuft, then geniculate (Fig. 8); pleural area on abdominal segment 8 of male developed into 2 opposing flaps shielding the genitalia (Fig. 125) ... 02

02 (01) Antennal scape scales not forming an eye-cap; if moth slender-winged then head with smooth scaling, or with spreading tufts overhanging frons; maxillary palpi various, but usually porrect or ascending, scaled; labial palpi geniculate and tufted, or recurved, segment 3 often longer than segment 2 (exception: *Charixena*, which lacks mouthparts); antenna usually simple (bipectinate in *Tanaoctena*); hindwing with a *1A+2A* fork; male valvae with lateral brushes not projecting beyond valval apices ... (p. 73) .. **Yponomeutidae** in a broad sense

—Antennal scape widened with pecten and awning (Fig. 11) to form a cap largely obscuring compound eye; slender-winged moths with head rough-scaled (Fig. 150); maxillary palpi rudimentary; hindwing lacking a *1A+2A* fork (Fig. 54); male valvae flanked by long, projecting brushes (Fig. 123) ... (p. 79) .. **Lyonetiidae**

Superfamily Gelechioidea

01 Hindwing narrower than its fringe; forewing apex acuminate (i.e., termen very oblique, grading into dorsum) (Fig. 55) ... 02

—Hindwing broader than its fringe; forewing apex rounded or acute, with termen oblique and termen–dorsum transition abrupt (Fig. 58) ... 10

02 (01) Haustellum scaled on basal quarter or less (Fig. 16); forewing lacking a completely tubular anal fork (Fig. 55), and with vein *1A* vestigial ... 03

—Haustellum scaled on basal half or more (e.g., Fig. 17); forewing with a completely tubular anal fork, or vein *1A* largely tubular ... 04

03 (02) Haustellum not or scarcely exceeding apex of front coxa; forewing (Fig. 55a) lacking retinacular setae on underside of dorsum; hindwing (Fig. 55b) with *Rs* axial (*Sc+R1* diverging from base); male genitalia symmetrical ... (p. 111) .. **Elachistidae**

—Haustellum extending beyond hind coxae, strongly transversely ribbed; forewing (Fig. 65a) with stiff, rod-like retinacular scales on underside of dorsum; hindwing (Fig. 65b) with *Rs* dorsal to long axis (and parallel to *Sc+R1*); a line of retinacular bristles between *Sc+R1* and *Rs*; male genitalia asymmetrical, often twisted ... (p. 110) .. **Scythrididae**

04 (02) Head with vertex high-domed, postvertex long (Fig. 13, 14); forewings narrow from base, their acuminate apex tending to curve, flexible ... 05

—Head with vertex planoconvex, not high-domed, postvertex short (e.g., Fig. 15); forewings tapering, if acuminate and flexible at apex then hind tibia and tarsal segments with whorls of spines ... 06

05 (04) Antennal flagellum thickened with scales on basal half; coloration either dark metallic blackish-green or fawn-striped buff ... (p. 85) .. **Coleophoridae**

—Antennal flagellum not thickened with scales; coloration never metallic (Fig. 152) ... (p. 84) .. **Batrachedridae**

06 (04) Hind tibia and tarsi with apical whorls of bristles (Fig. 159); hind legs displayed, raised in repose; male antennal segments with whorls of long setae ... (p. 108) .. **Oecophoridae: Stathmopodinae**

—Hind tibia lacking apical whorls of bristles; hind legs hidden in repose ... 07

07 (06) Very small moths (wingspan 5–7 mm); head smooth, clad in depressed, shining scales; forewings with bands or patches of broad, silvery scales on a shining black ground; hindwing termen not emarginate (Fig. 155); abdominal tergites covered with short, close-set spinules; (male genitalia symmetrical) ... (p. 87) .. **Momphidae**

—Larger moths (wingspan 6–12 mm); head not clad in shining scales, or if clad in coppery scales, then hindwing termen emarginate; abdominal tergites not covered in spinules; forewing without transverse bands of silvery scales ... 08

08 (07) Hindwing with termen emarginate (Fig. 56) ... (p. 80) .. part **Gelechiidae**

—Hindwing termen entire (e.g., Fig. 65) ... 09

09 (08) Labial palpi slender, recurved, often longitudinally lined with white, and reaching to behind antennal bases (Fig. 15); forewing without a pterostigma (eyes usually red in fresh specimens); antennal scape not forming an eye cap, cylindrical; forewing pattern usually complex, but if banded, then in black and white ... (p. 86) .. **Cosmopterigidae**

—Labial palpi thickened (with distinctive scale patches on inner face in male – Fig. 12); forewing with a pterostigma (e.g., Fig. 56, pt), elongate-oval; antennal scape forming an eye-cap; or if labial palpi slen-

der and antennal scape cylindrical, then wing pattern consisting of 4 transverse dark bands on a yellowish ground (*Oegoconia*; adventive) ... (p. 85) .. **Blastobasidae**

10 (01) Hindwing termen emarginate; male genitalia usually with tegumen and uncus flattened, valvae articulating ventrolaterally (Fig. 131); wings lacking a tubular vein *CuP*; female forewing with a radial retinaculum, and hindwing with *A* veins straight (Fig. 56b) ... (p. 80) .. **Gelechiidae**

—Hindwing termen entire (Fig. 57–64, 66); male genitalia with tegumen (at least) convex (Fig. 132), valvae articulating laterally, rarely ventrolaterally; at least hindwing with vein *CuP* tubular; female forewing with a subcubital (and sometimes anal) retinaculum, or if retinaculum radial only, then at least one hindwing *A* vein sinuous (Fig. 57–64, 66) ... 11

11 (10) Forewing apex rounded (Fig. 58) or subacute; hindwing anal veins straight; female with retinaculum on *CuA* and *R* stems; antennal segments completely scaled; male gnathos with apex or apices spinose, knob-like (Fig. 133); ovipositor either narrow and protrusible (*Eutorna*) or a perpendicular oval pad (Fig. 126) ... (p. 87) .. **Oecophoridae: Depressariinae**

—Wing apex usually subacute; at least one hindwing anal vein angled or sinuous (Fig. 60–64) (exception: *Donacostola*, Xyloryctinae); female with retinaculum radial, or extending from *CuP* or *2A*; wings held flat or angled roofwise; antennae either completely scaled or (more usually) scaled dorsally only; male gnathos arms not ending in 1 or 2 spinose knobs; female ovipositor narrow, protrusible ... 12

12 (11) Ocelli present (Fig. 19); forewing with a sparse overlay of long, strap-like scales ... (p. 88) .. **Oecophoridae: *Hierodoris* group**

—Ocelli absent (Fig. 18); forewing lacking an overlay of strap-like scales ... 13

13 (12) Hindwing veins *Rs* and *M1* well separated at base, parallel or slightly divergent, often vestigial, and *Rs4* on forewing ending at apex (Fig. 60–62); abdomen often dorsally spinulose ... (p. 90) .. **Oecophoridae: Oecophorinae**

—Hindwing veins *Rs* and *M1* approximated at base, connate or stalked (Fig. 63b, 64b), divergent or, if separate, *Rs4* in forewing ending on termen (*Donacostola*, Fig. 64c); if abdomen spinulose, then antenna thickened with yellow scales ... 14

14 (13) Hindwing with *Sc+R1* approaching *Rs* before end of discal cell (Fig. 63) (male antennae with long ciliations); forewing vein *Rs4* to apex, veins *CuA1 / CuA2* separate (Fig. 63) ... (p. 109) .. **Oecophoridae: Stenomatinae**

—Hindwing with *Sc+R1* diverging from well before end of discal cell; forewing veins *Rs4* to costa or termen; veins *CuA1 / CuA2* separate or stalked ... 15

15 (14) Antenna as long as forewing, thickened with yellow scales; forewing vein *CuA2* stalked with *CuA1* (Fig. 66); abdomen dorsally spinulose; (a black moth with contrasting yellow antennae) ... (p. 87) .. **Lecithoceridae**

—Antenna shorter than forewing, not thickened with scales; forewing vein *CuA2* arising on discal cell separately from *CuA1* (Fig. 64); abdomen without dorsal spinules; (pallid moths) ... (p. 110) .. **Oecophoridae: Xyloryctinae**

Superfamily Tortricoidea (Tortricidae subfamilies)

01 Male genitalia with uncal area reduced or membranous, sometimes bilobed; hind wing with a dorsal cubital pecten; antennal segments with apparently 1 ring of scales ... (p. 114) .. **Olethreutinae**

—Uncus beak-like, projecting, curved, as a flattened strap, or paddle-shaped, apically bifid, or truncate, rarely as a slender hook; hind wing usually lacking a dorsal cubital pecten (present in *Ctenopseustis* (Fig. 69b, 70b) and *Epalxiphora*); antennal segments with 2 obvious scale rings (basal and apical) ... 02

02 (01) Male with uncus sigmoid, slender, and valva with an external pocket enclosing an elaborate scale tuft (which arises on segment 8) (Fig. 135); female with part of ductus bursae annulate; forewings with scattered tufts of raised scales ... (p. 114) **Chlidanotinae (Polyorthini)**

—Male uncus not sigmoid, and valva without an external pocket (Fig. 134); female without an annulate section in ductus bursae; scale tufts, if present, restricted to basal quarter of wing.. (p. 117) .. **Tortricinae**

Superfamily Copromorphoidea

01 Ocelli absent (Fig. 24); antennae simple or subserrate, long-ciliate in male; labial palpi long, porrect in female, usually obliquely ascending and truncate in male; long-winged moths (Fig. 167), often with raised patches of scales on forewing (Fig. 71a), and in males with an area of modified scales on hindwing; venation (Fig. 71) with hindwing *Rs+M1* fused, and *M2* vestigial ... (p. 130) .. **Carposinidae**

—Ocelli present; antennae simple, short-ciliate in male and labial palpi long, porrect (*Isonomeutis*, Fig. 166), or antennae unipectinate (Fig. 38) and labial palpi short, ascending (*Phycomorpha*); venation (Fig. 72) with hindwing *Rs* and *M1* ending separately, and *M2* tubular ...(p. 129) .. **Copromorphidae**

Superfamily Papilionoidea

01 Eyes emarginate by antennal base (Fig. 25), or antennal base and eye margin contiguous; maxillary palpi absent; forelegs unmodified in female; wings largely blue, violet, or orange; wing span not exceeding 25 mm, usually less ... (p. 135) .. **Lycaenidae**

—Eyes not emarginate, eye margin not contiguous with antennal socket; maxillary palpi 1-segmented or absent; foreleg fully developed in both sexes, or modified, lacking claws in both sexes; wingspan exceeding 30 mm ... 02

02 (01) Forelegs with tarsal claws in both sexes, the claws bifid; colour pattern largely white or yellow ... (p. 139) .. **Pieridae**

—Forelegs lacking claws in both sexes, non-functional (i.e., not used for walking); colour pattern various ... **Nymphalidae** .. 03

03 (02) Antenna nude; male with eversible scent tufts flanking genitalia; female fore tarsus 4-segmented ... (p. 136) .. **Danainae**

—Antenna with appressed scales (Fig. 40); male without scent tufts; female fore tarsus 1- or 5-segmented ... 04

04 (03) Discal cell closed apically by a vestigial *m–m* cross-vein; female fore tarsus 5-segmented ... (p. 136) .. **Nymphalinae**

—Discal cell closed apically by a tubular vein (Fig. 74); veins *Sc*, *Cu*, and *A* usually swollen at base (Fig. 74); female fore tarsus 1-segmented ... (p. 138) .. **Satyrinae**

Note: although *Opsiphanes* species have been intercepted in cartons of bananas from Ecuador, subfamily Brassolinae is not keyed.

Superfamily Bombycoidea

(excluding Sphingidae; see p. 20)

01 Wings often crumpled, undulate, or hindwing with a fold; hindwing with 2 anal veins; wings without ocellate markings; domestic ... (p. 140) .. **Bombycidae**

—Wings large, not undulate; hindwing with 1 anal vein; both wings with an ocellate or lunate mark or hyaline patch in discal cell (Fig. 136); feral ... (p. 140) .. **Saturniidae**

Superfamily Pyraloidea

01 Forewing vein *Rs4* stalked with *Rs3* (Fig. 76); abdomen base with tympanic lines posteriorly convergent, forming a V (Fig. 98, 100); conjunctivum and tympanum on different, opposing planes (conjunctivum facing posterolaterally, tympanum anterolaterally) (Fig. 99, 102, 103); median ridge high, compressed, with long, divergent scales ('praecinctorium'), sometimes with an anterior torulus tympani (Fig. 99, 102, 103) ... (p. 143) .. **Crambidae**

—Forewing vein *Rs4* free or completely fused with *Rs3* (Fig. 77); abdomen base with tympanic lines parallel (except in *Achroia*) (Fig. 97, 101); conjunctivum (opaque) and tympanum (glassy) on same plane, i.e., flat (Fig. 97); left and right tympanal areas divided by a low midline ridge ('ventral Medianleiste'), which anteriorly may bear a long-scaled, sclerotised mound ('bourrelet', 'torulus tympani') (Fig. 97, tty) ... (p. 141) .. **Pyralidae**

Notes. (1) Minet (1981, pp. 272–278) keys the subfamilies recognised by him in these two families. As the first division of each key for each family involves preparation of the tympanal organs, and as, for instance, the Crambinae key out in four places, I have to regard Minet's system as somewhat impractical for many users of this Catalogue. Nevertheless, it will be worth testing.

(2) At present, Crambinae may be distinguished from other subfamilies in New Zealand Crambidae by the possession of a cubital pecten on the hind wing.

(3) The structures called "bourrelet" (Minet 1981, 1985a) or "torulus tympani" (Maes 1985) and "praecinctorium" (Munroe 1972, p. 10; Minet 1981; Maes 1985) are developments of the ventral midline intersegmental zone or "ventral Medianleiste" (Kennel & Eggers 1933) between the metathorax and the anterior margin of abdominal sternite 2. In some Crambidae they include the ventral mesal prolongation of the tympanic bullae (e.g., Fig. 103, "*Heliothela*" *atra*.

(4) Another basic difference between the two families is the site of the internal base of the chordotonal nerve ('scoloparium') – anterodorsal on the tympanic bulla in Pyralidae, laterodorsal on a distinct flange ('processus tympani' of Maes 1985) in Crambidae (Kennel & Eggers 1933, pp. 54–55, fig. 12, 13).

Superfamily Geometroidea
(Geometridae subfamilies)
(largely as in McGuffin 1957, p. 7)

01 Hind wing vein *M2* absent (or non-tubular) (Fig. 78); forewing with *Rs3–4* stalked (Fig. 78) (*Rs1* appressed to *Rs2–4* stem in *Declana*, Fig. 79); tympanal organs as in Fig. 104, 105 ... (p. 163) .. **Ennominae**
—Hindwing vein *M2* tubular (e.g., Fig. 81) ... 02

02 (01) Hindwing veins *Sc+R1* fusing with *Rs* only at base, with no cross-vein between them (Fig. 85) (p. 193) .. **Sterrhinae**
—Hindwing veins *Sc+R1* fusing with *Rs* for at least half discal cell length; or *Sc+R1* and *Rs* free from base, or with a cross-vein ... 03

03 (02) Hindwing veins *Sc+R1* and *Rs* fused for more than one-quarter of discal cell length (Fig. 81), or separate but with an apical, tubular *Sc+R1–Rs* cross-vein (*Paradetis*, Fig. 80; *Tatosoma*); tympanal organs as in Fig. 106... (p. 170) .. **Larentiinae**
—Hindwing veins *Sc+R1* and *Rs* not fused, but often closely approximated (Fig. 84), or a basal *Sc+R1–Rs* cross-vein present (*Dichromodes*, Fig. 83; *Xyridacma*, Fig. 82); tympanal organs as in Fig. 107 ... (p. 191) .. **Oenochrominae**

Superfamily Noctuoidea

Note. Subfamily classification within Noctuidae has been critically examined by Kitching (1985). The key below is a temporary solution.

01 Haustellum absent; ocelli absent; female wingless, with pectinate antennae ... (p. 195) .. **Lymantriidae**
—Haustellum present; ocelli usually present; if female wingless, then antennae simple ... 02

02 (01) Counter-tympanal hood (where developed) pre-spiracular, i.e., spiracle on outside of hood (Fig. 109, 110); diurnal, black and white or black and yellow (Fig. 179), or white, black, and red-flecked or metallic species, usually with thin, unicolorous, close-scaled legs ... 03
—Counter-tympanal hood post-spiracular, i.e., spiracle on inside of hood (Fig. 111–115); usually nocturnal, but if diurnal (*Phalaenodes*), femora conspicuously furry, bicoloured ... **Noctuidae** .. 04

03 (02) Ocelli present; tympanal organs well developed (Fig. 109); wing pattern not metallic; hindwings as broad (and nearly as long) as forewings ... (p. 194) .. **Arctiidae**
—Ocelli absent; tympanal organs well developed (Fig. 110) or reduced; hindwings narrower and much shorter than forewings; metallic dark green moths, usually with part of ventral abdomen contrasting silvery white . (p. 195) .. **Ctenuchidae**

04 (02) Hindwing 'trifid' (i.e., veins *M3*, *CuA1*, and *CuA2* strong), with vein *M2* arising closer to *M1* than to *M3* (Fig. 86) ... 05
—Hindwing 'quadrifid' (i.e., veins *M2*, *M3*, *CuA1*, and *CuA2* strong), with vein *M2* arising closer to *M3* than to *M1* (Fig. 87) ... 09

05 (04) Eyes haired (Fig. 29); fore tibia lacking spines ... (p. 199) .. **Hadeninae**
—Eyes naked; fore tibia with or without spines ... 06

06 (05) Eyes fringed by long, fine hair-scales (Fig. 28) ... (p. 198) .. **Cuculliinae**
—Eyes not fringed by fine hair-scales ... 07

07 (06) Fore tibia lacking spines ... (p. 195) .. **Acronictinae** in the broad sense
—Fore tibia with prominent spines (Fig. 43, 44) ... 08

08 (07) Fore femur with a patch of spine-scales on mesal face (Fig. 44); pallid species suffused with yellow to orange; male antennae simple ... (p. 210) .. **Heliothinae**
—Fore femur lacking a spine-scale patch; grey, black-lined fawn, or dingy brownish species; male antenna usually pectinate ... (p. 212) .. **Noctuinae**

09 (04) Abdomen with spiracle 1 exposed, facing laterally; counter-tympanal chamber closed anteriorly by an erect metepimeral lobe (Fig. 111); large (over 35 mm wingspan), diurnal, broad-winged black moths with yellow and white markings ... (p. 196) .. **Agaristinae**
—Abdomen with no metepimeral lobe closing the counter-tympanal chamber; abdominal spiracle 1 inside counter-tympanal hood, facing anteriorly ... 10

10 (09) Ocelli present (large to very large moths, 30–100 mm wingspan) ... 11
—Ocelli absent (small moths, 10–18 mm wingspan) ... 13

11 (10) Thorax and basal abdomen strongly crested, and forewings held roofwise, apically acute, with termen straight, its dorsum emarginate (Fig. 138); forewing usually with brassy or silvery marks or blotch ... (p. 213) .. **Plusiinae**
—Thorax smooth, or weakly tufted, and abdomen smooth; forewings held flat, with termen slightly convex or sinuous or emarginate; forewing without brassy or silvery marks ... 12

12 (11) Labial palpi upright, or porrect to oblique, straight, their apical segment tufted, not clavate; antenna pectinate in male; tympanal organ as in Fig. 114, 115 ... (p. 211) .. **'Hypeninae'**
—Labial palpi upright or recurved, reaching or exceeding vertex, their apical segment slender, clavate; antenna simple; hind tibia with or without spines; hind leg often modified, not functional for walking; forewing often with a lunate discal mark ... (p. 196) .. **'Catocalinae'** (includes Ophiderinae of authors)

13 (10) Antennal scape lacking anterior scale tuft (Fig. 31); hind tibia smooth-scaled; hind wing veins *CuA2* and *M3* arising from a common point; (slender, long-winged, brownish moths) ... (p. 211) .. **Hypenodinae** in the sense of Forbes (1954)
—Antennal scape with anterior scale tuft (Fig. 30); hind tibia with a basal dorsal tuft of hair-like scales; hindwing with a cross-vein between *CuA1* and *M3* bases (i.e., these veins arising separately on discal cell; (triangular-winged, greyish-white moths; Fig. 181) ... (p. 213) .. **Nolinae**

Note. As subfamily Chloeophorinae is represented by an unrepeated record of one specimen collected 50 years ago, it is not keyed here. It is presumed not to have established despite the abundance of its adventive host (*Quercus*).

(C) KEY TO BRACHYPTEROUS LEPIDOPTERA

01 Haustellum (and often maxillary palpi) present in both sexes ... 02
—Haustellum and maxillary palpi absent in females ... 07

02 (01) Haustellum scaled, at least basally ... 03
—Haustellum totally nude ... 06

03 (02) Haustellum scaled at base only; labial palpi long, porrect; maxillary palpi erect, long-scaled; a scaled strip between antennal socket and compound eye ... (p. 143) .. **Crambidae**
—Haustellum scaled on more than basal fifth; maxillary palpi folded over haustellum base; labial palpi ascending, recurved. 04

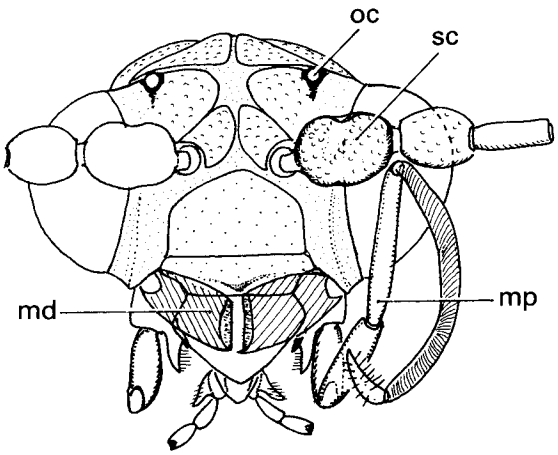
04 (03) Ocelli absent ... (p. 87) .. **Oecophoridae**
—Ocelli present ... 05

05 (04) Haustellum very long (extending beyond hind coxae); forewings densely clad in pale scales underneath ... (p. 110) .. **Scythrididae**
—Haustellum shorter (and usually tightly coiled); forewings without dense, pale scaling ... (p. 80) .. **Gelechiidae**

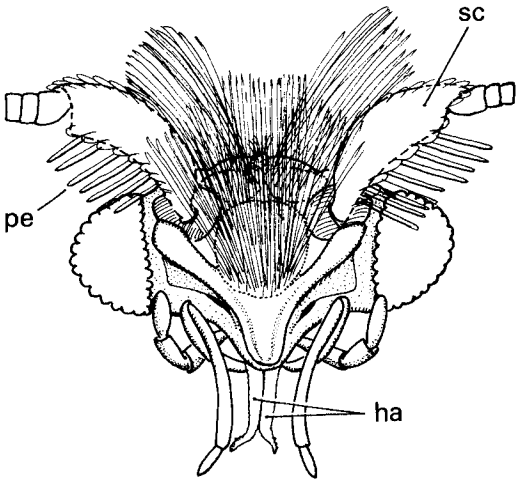
06 (02) Ocelli present ... (p. 114) .. **Tortricidae**
—Ocelli absent ... (p. 163) .. **Geometridae**

07 (01) Body entirely covered in woolly or fluffy hair-like scales; fore tibia with an apical, tooth-like process ... (p. 194) .. **Arctiidae**
—Body not entirely covered in wooly, hair-like scales; fore tibia normal, i.e., apex truncate ... 08

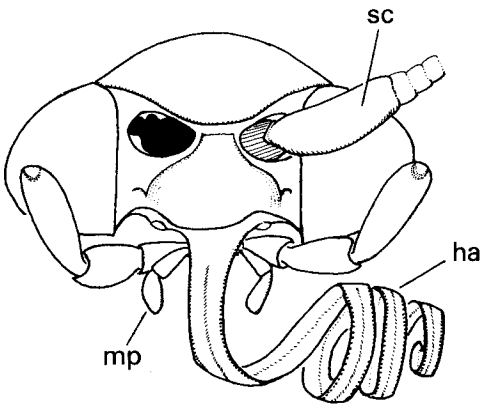
08 (07) Ovipositor protrusible, surrounded laterally and ventrally by a long tuft of crimped or sinuous hair-scales; legs often reduced, often with less than 5 tarsal segments ... (p. 67) .. **Psychidae**
—"Ovipositor" area a perpendicular anogenital field, often hidden dorsolaterally by a dense tuft of straight hair-scales; legs always fully formed, always with 5 tarsal segments ... (p. 56) .. **Hepialidae**



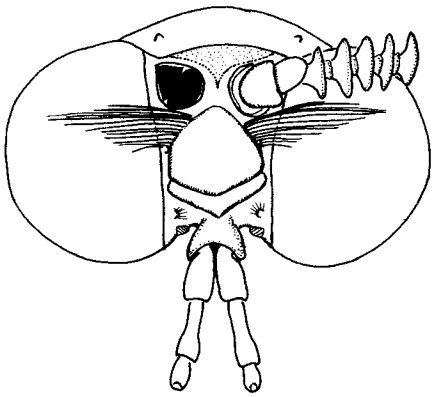
(1) Micropterigidae
Micropardalis doroxena
(denuded)



(2) Nepticulidae
Stigmella laqueorum

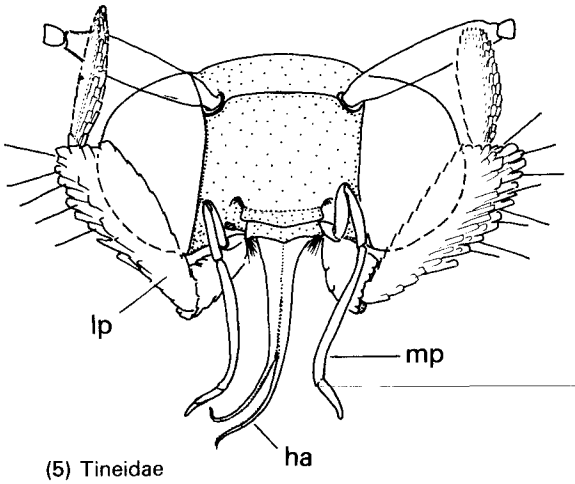


(3) Mnesarchaeidae
Mnesarchaea acuta
(denuded)

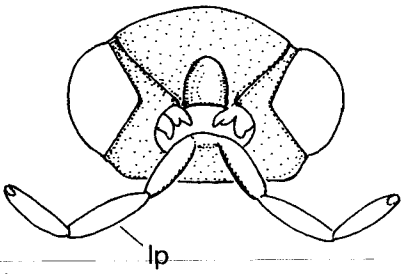


(4) Hepialidae
Wiseana cervinata
(denuded)

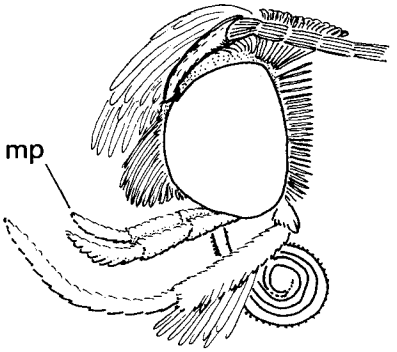
Figures 1–31 Heads. **Key: aos,** antenno-ocular scales; **ch**, chaetosema; **el**, 'eyelashes'; **em**, emarginate eye margin; **ha**, haustellum; **lp**, labial palpus; **md**, mandible; **mp**, maxillary palpus; **oc**, ocellus; **pe**, pecten; **pv**, postvertex; **sc**, scape of antenna.



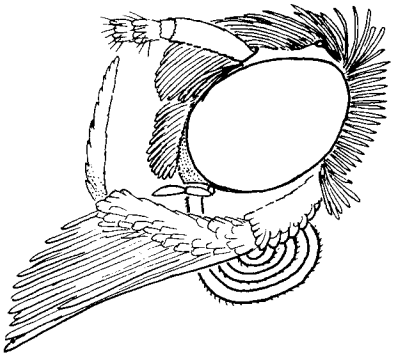
(5) Tineidae
Lysiphragma howesi
(denuded)



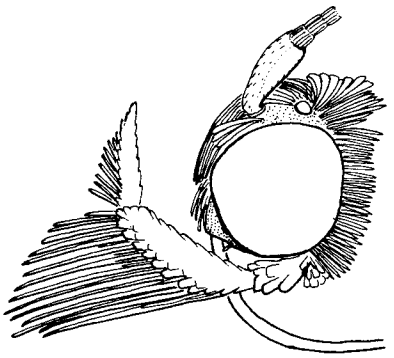
(6) Psychidae
Grypotheca pertinax
(denuded)



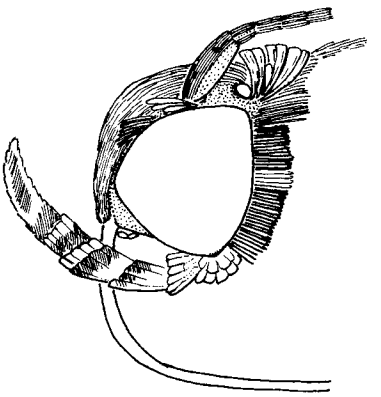
(7) Gracillariidae
Macarostola miniella



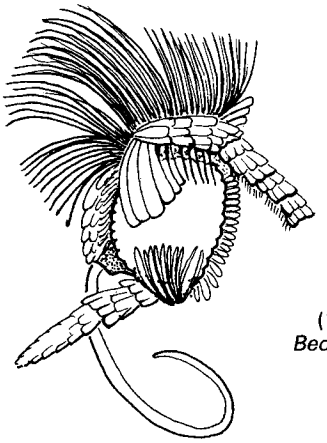
(8) Yponomeutidae
Plutella antiphona



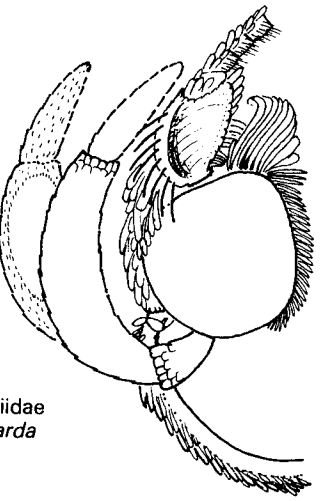
(9) Glyphipterigidae
Glyphipterix achlyoessa



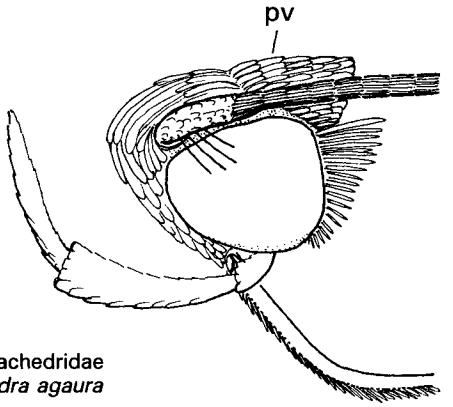
(10) Glyphipterigidae
Glyphipterix calliactis



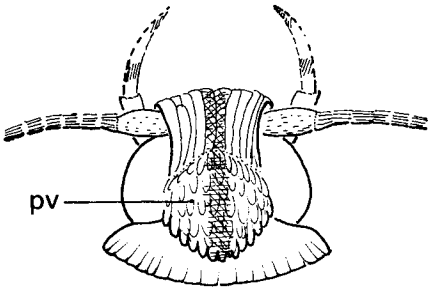
(11) Lyonetidae
Bedellia psamminella



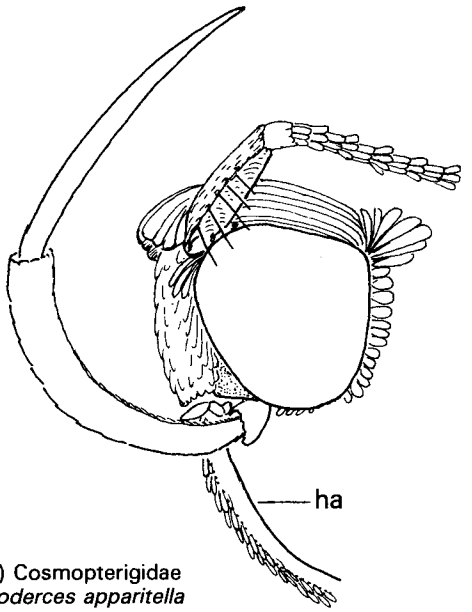
(12) Blastobasiidae
Blastobasis tarda



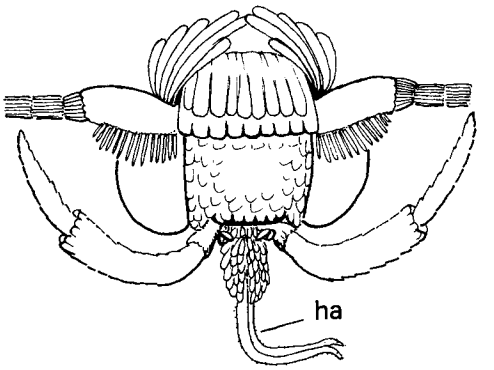
(13) Batrachedridae
Batrachedra agaura



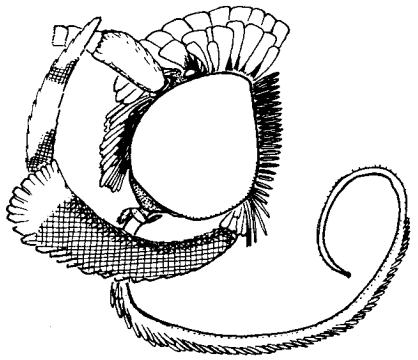
(14) Coleophoridae
Batrachedra agaura
(dorsal view)



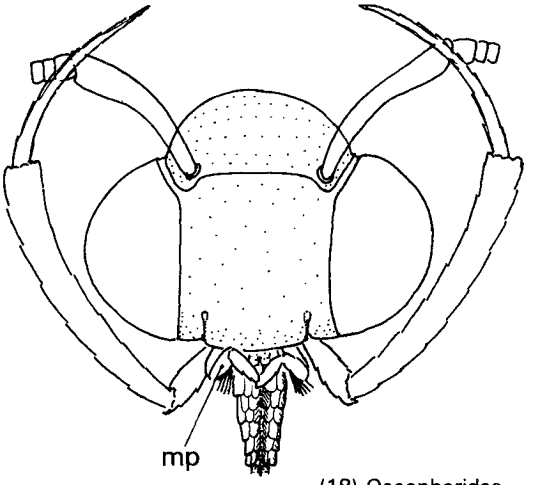
(15) Cosmopterigidae
Pyroderces apparitella



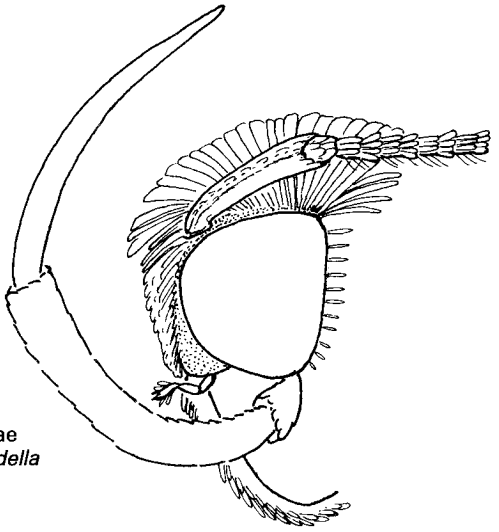
(16) Elachistidae
"Elachista" gerasmia



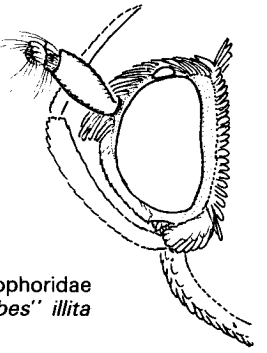
(17) Gelechiidae
Anisoplaca achyrota



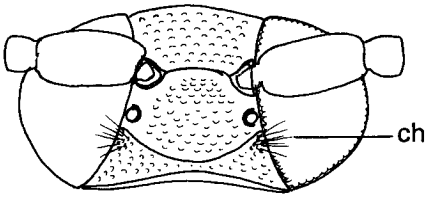
(18) Oecophoridae
Gymnobathra flavidella
(denuded)



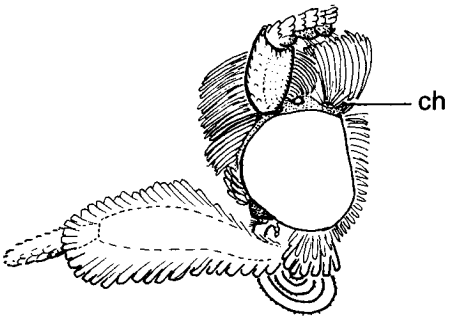
(20) Oecophoridae
Gymnobathra flavidella



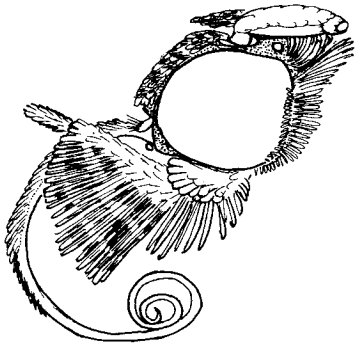
(19) Oecophoridae
"Heliostibes" illita



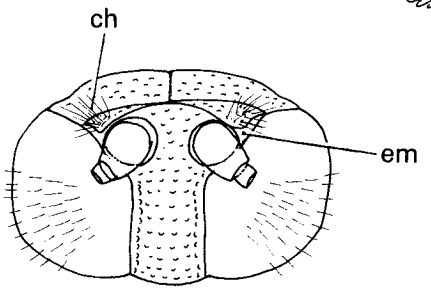
(21) Tortricidae
Ctenopseustis obliquana
(denuded)



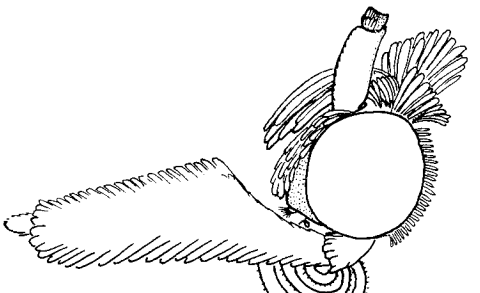
(22) Tortricidae
Planotortrix notophaea



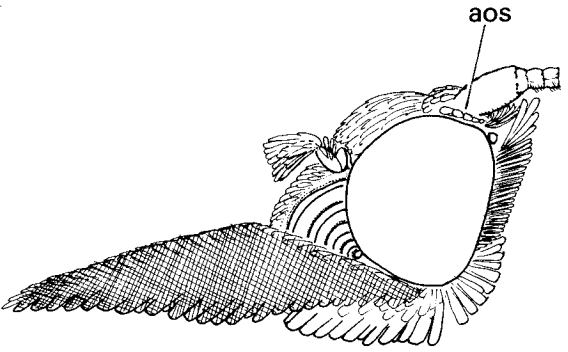
(23) Choreutidae
Asterivora nivescens



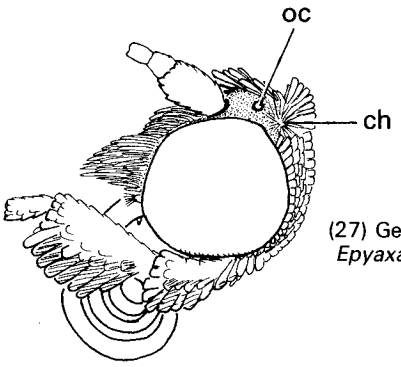
(25) Lycaenidae
Zizina l. labradus
(denuded; dorsal view)



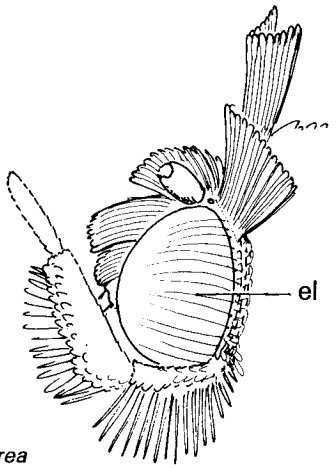
(24) Carposinidae
Heterocrossa rubophaga



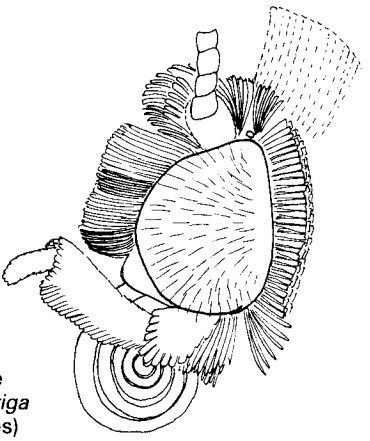
(26) Crambidae
Deana hybreasalis



(27) Geometridae
Epyaxa rosearia

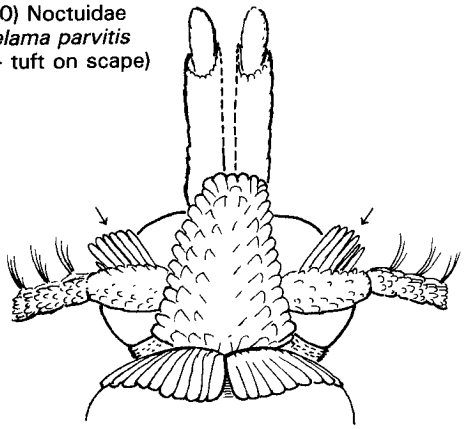


(28) Noctuidae
Austramathes purpurea

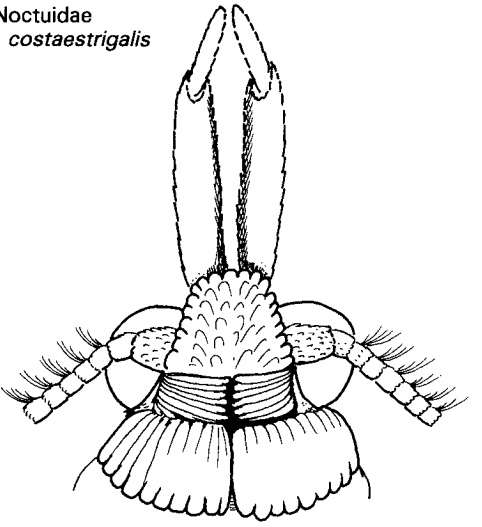


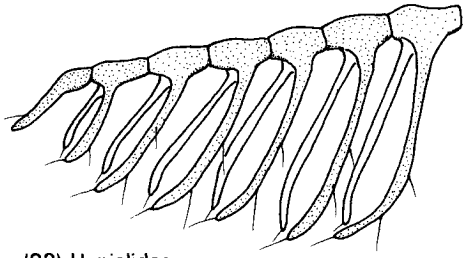
(29) Noctuidae
Graphania ustistriga
(note haired eyes)

(30) Noctuidae
Celama parvitis
(→ - tuft on scape)

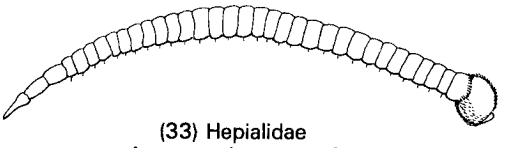


(31) Noctuidae
Hypenodes costaestrigalis

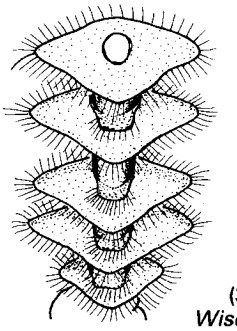




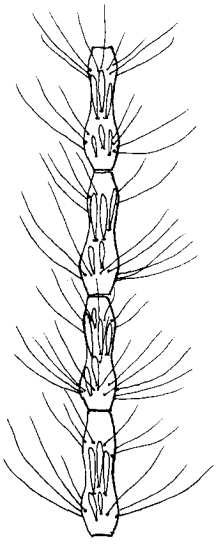
(32) Hepialidae
Aoraia dinodes, ♂
(bipectinate)



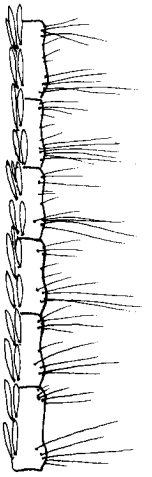
(33) Hepialidae
Aenetus virescens, ♂
(simple, compressed)



(34) Hepialidae
Wiseana cervinata, ♂
(short bipectinate)

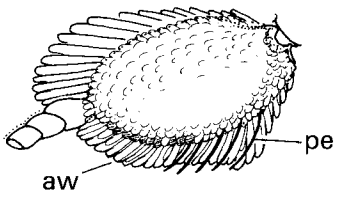


(35) Psychidae
Mallobathra globulosa, ♂
(whorled)

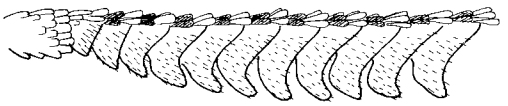


(36) Psychidae
Mallobathra lapidosa, ♂
(fasciculate)

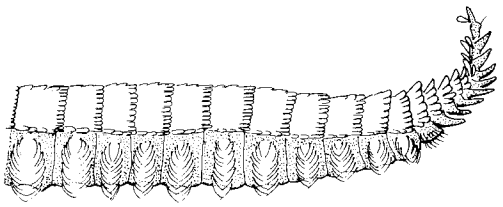
Figures 32–40 Antennae. **Key: aw**, awning; **pe**, pecten.



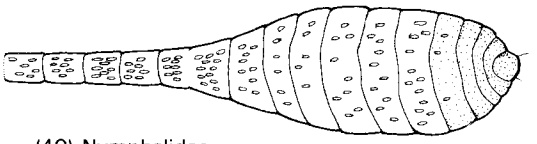
(37) Roeslerstammiidae
Vanicela disjunctella
(scape, ventral view)



(38) Copromorphidae
Phycomorpha metachrysa
(unipectinate)

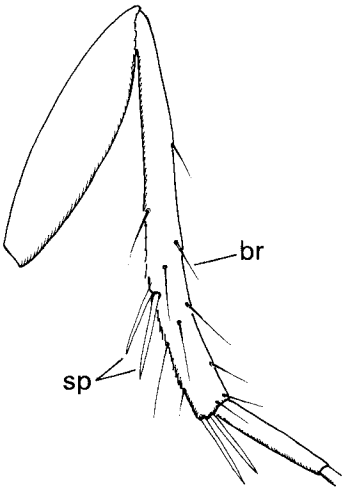


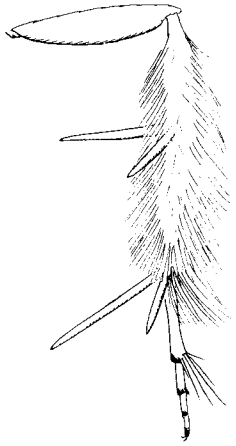
(39) Sphingidae
Agrius convolvuli
(hook-tipped)



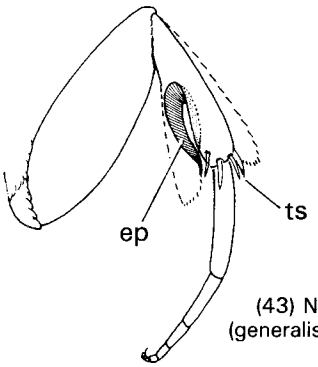
(40) Nymphalidae
Argyrophenga antipodum
(clubbed)

(41) Micropterigidae
Micropardalis aurella
(hind leg)

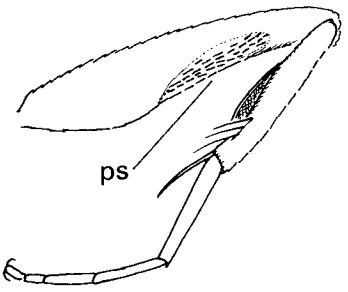




(42) Oecophoridae: Stathmopodinae
Stathmopoda coracodes
(note pilose tibial scaling
and apical bristle whorl)

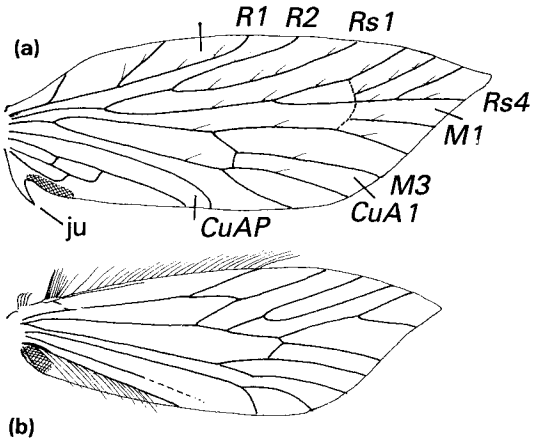


(43) Noctuidae
(generalised foreleg)

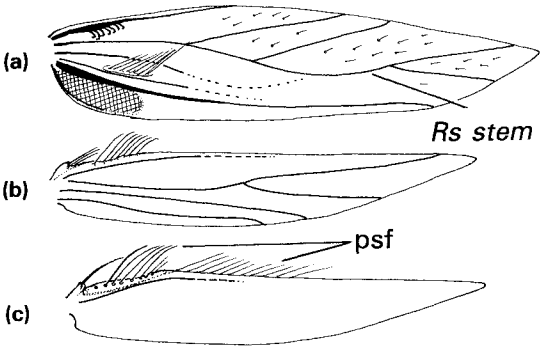


(44) Noctuidae
Heliothis armigera
(foreleg)

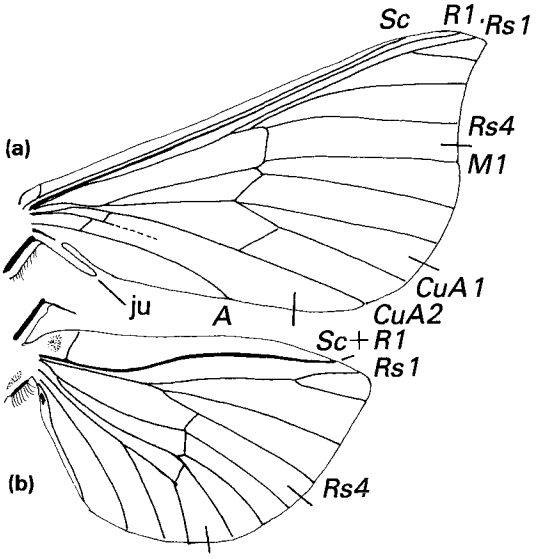
Figures 41–44 Legs. **Key: br**, bristles; **ep**, epiphysis; **ps**, patch of spines; **sp**, spurs; **ts**, tibial spines.



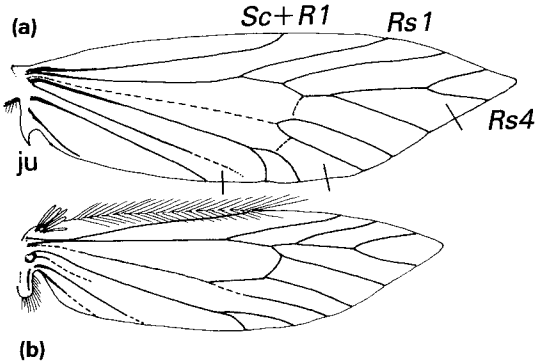
(45) Micropterigidae
Sabatinca aemula



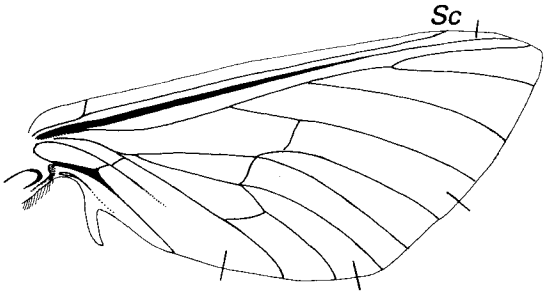
(46) Nepticulidae
Stigmella laqueorum
(c, ♂ hindwing)



(48) Hepialidae
Aenetus virescens, ♂

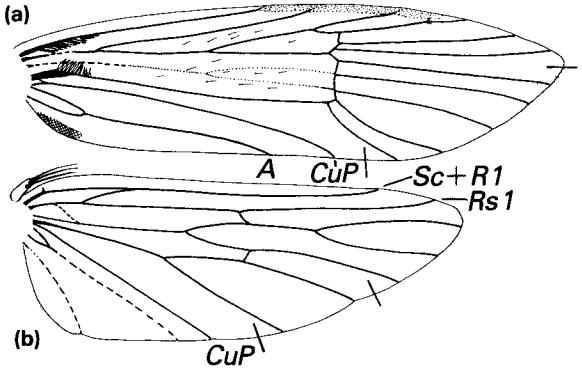


(47) Mnesarchaeidae
Mnesarchaea acuta

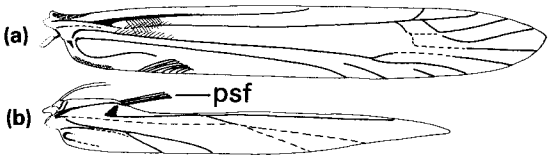


(49) Hepialidae
Wiseana cervinata, ♂

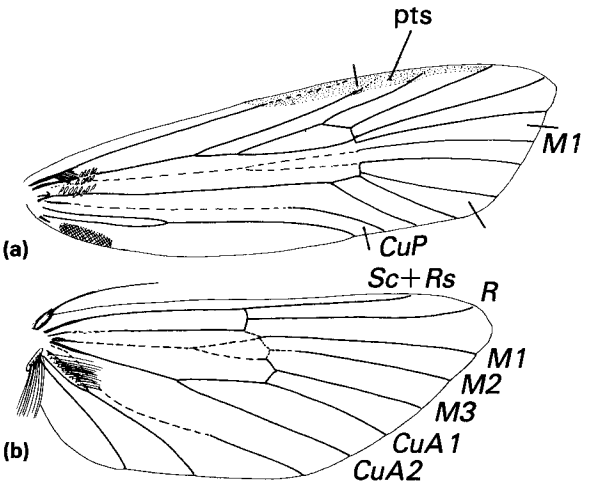
Figures 45–89 Wing venation, females, (a) forewing and (b) hindwing (unless otherwise stated). **Key: venation – A**, anal; **Cu**, cubital; **M**, medial; **R**, radial; **Sc**, subcostal; **other – cf**, costal fold; **cp**, cubital pecten; **ju**, jugum; **psf**, pseudofrenulum; **pts**, pterostigma; **re**, retinaculum; **st**, scale tuft. Lines intersecting wing margin denote venation boundaries, e.g., *M / Cu*.



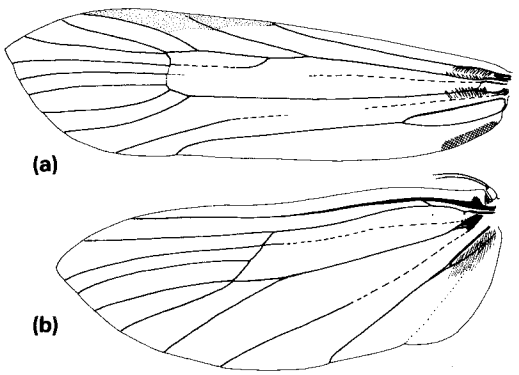
(50) Tineidae
Lysiphragma epixyla



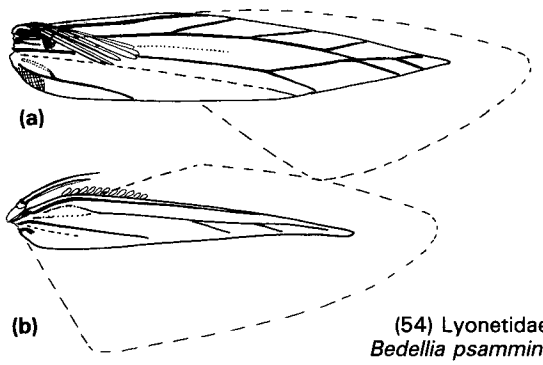
(51) Gracillariidae
Conopomorpha cyanospila



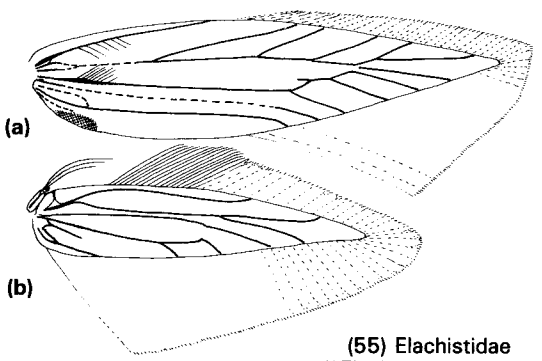
(53) Yponomeutidae
Proditrix megalynta, ♂



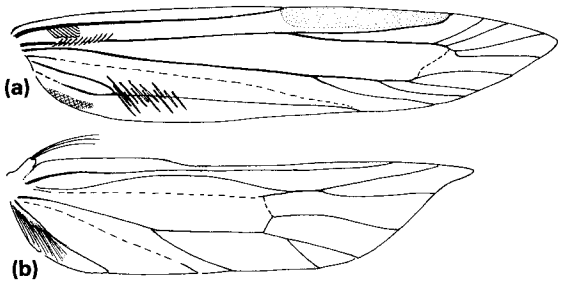
(52) Roeslerstammiidae
Dolichernis chloroleuca



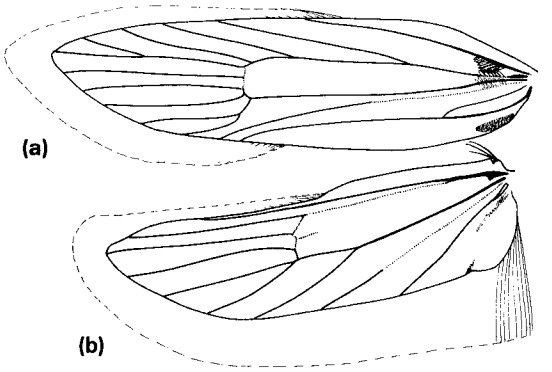
(54) Lyonetidae
Bedellia psamminella



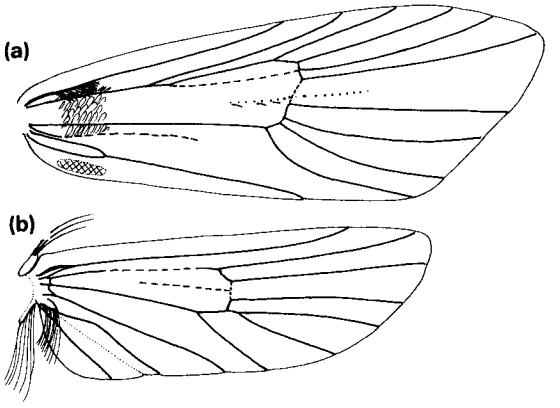
(55) Elachistidae
"Elachista" gerasmia



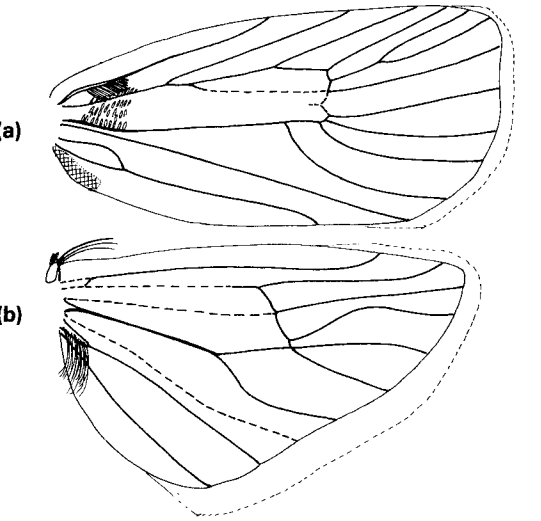
(56) Gelechiidae
Thiotricha tetraphala



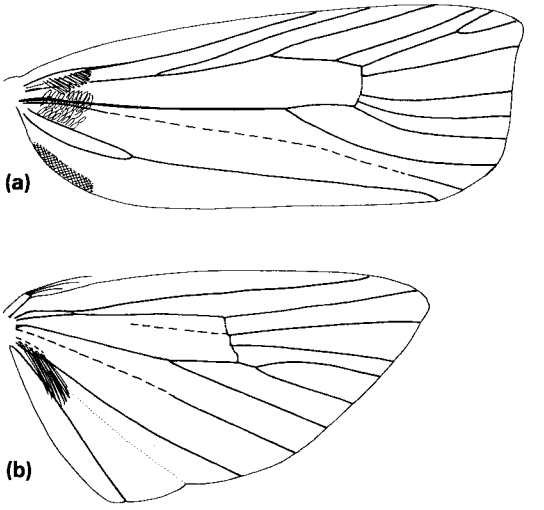
(57) Oecophoridae: Depressariinae
Eutorna phaulocosma



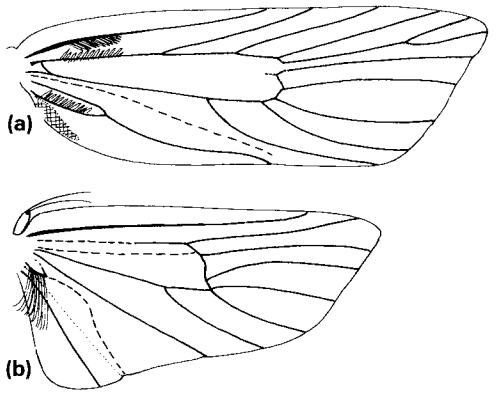
(60) Oecophoridae: Oecophorinae
Gymnobathra dinocosma



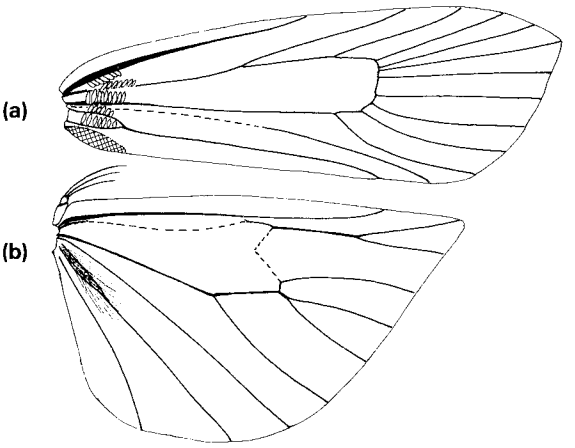
(58) Oecophoridae: Depressariinae
Proteodes carnifex



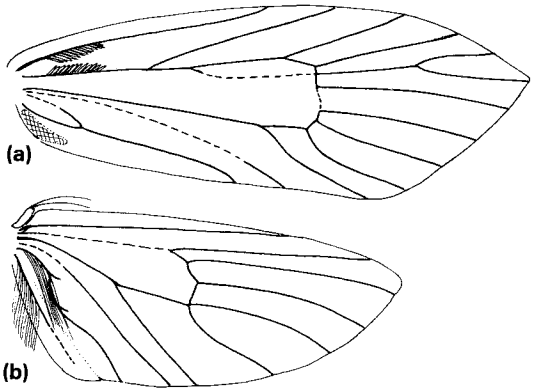
(59) Oecophoridae: Oecophorinae
"Heliostibes" atychioides



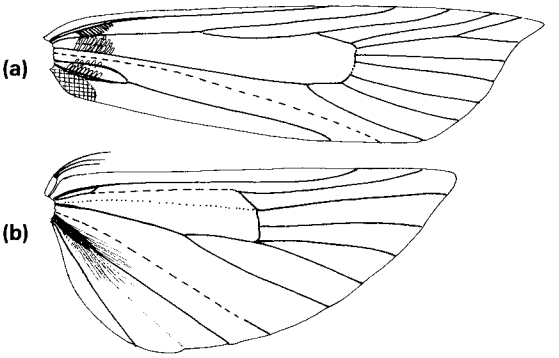
(61) Oecophoridae: Oecophorinae
Izatha peroneonella

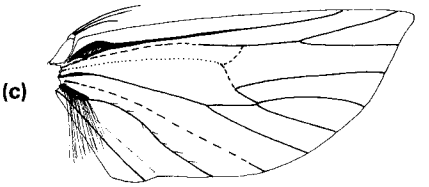


(63) Oecophoridae: Stenomatinae
Agriophara colligatella

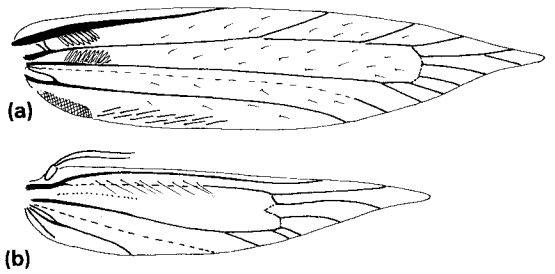


(62) Oecophoridae: Oecophorinae
Tingena appertella

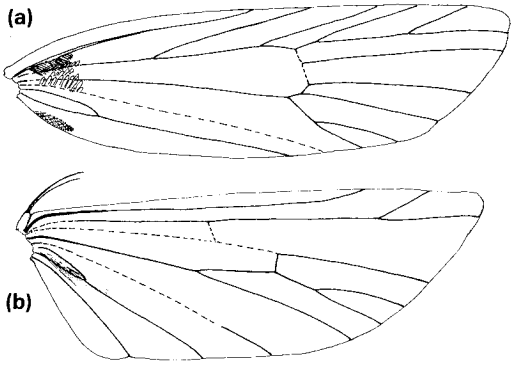




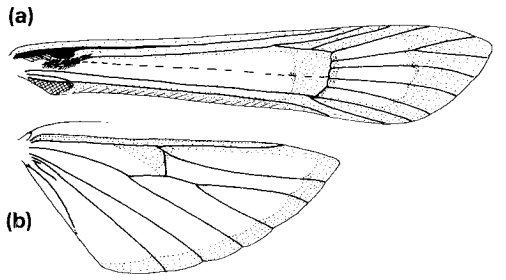
(64) Oecophoridae: Xyloryctinae
Donacostola notabilis



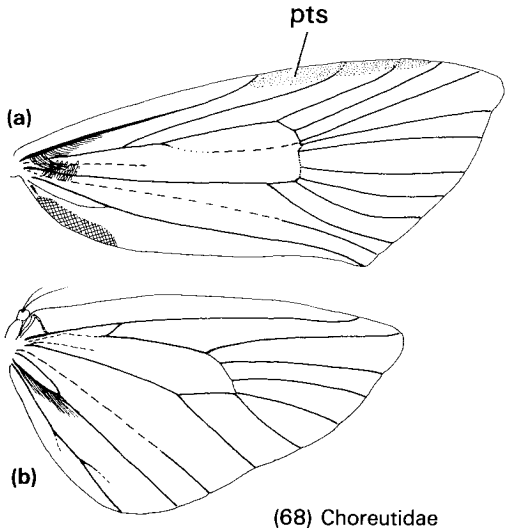
(65) Scythrididae
Scythris epistrota



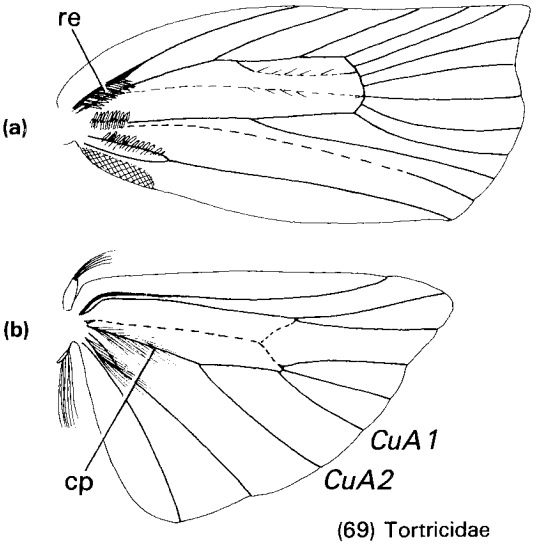
(66) Timyridae
Lecithocera leucomela



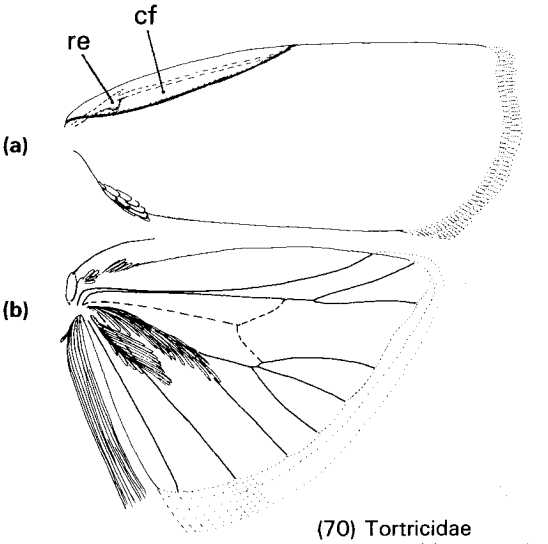
(67) Sesiidae
Synanthedon tipuliformis



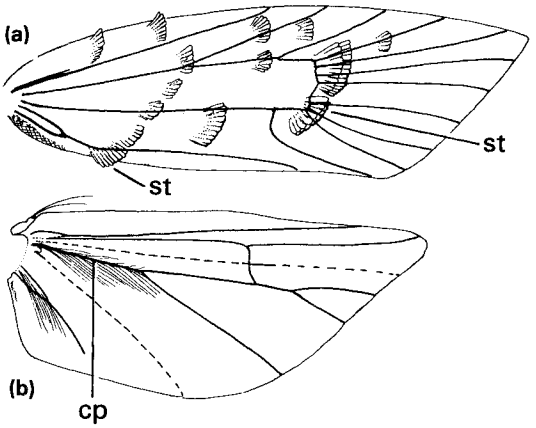
(68) Choreutidae
Asterivora combinatana



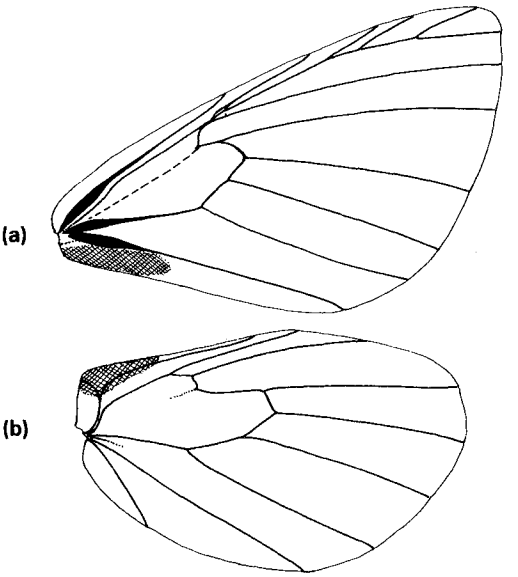
(69) Tortricidae
Ctenopseustis obliquana



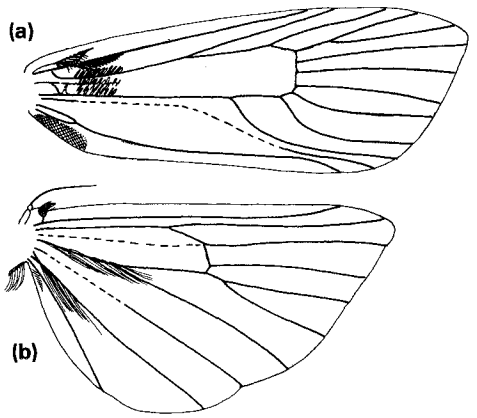
(70) Tortricidae
Ctenopseustis obliquana, ♂



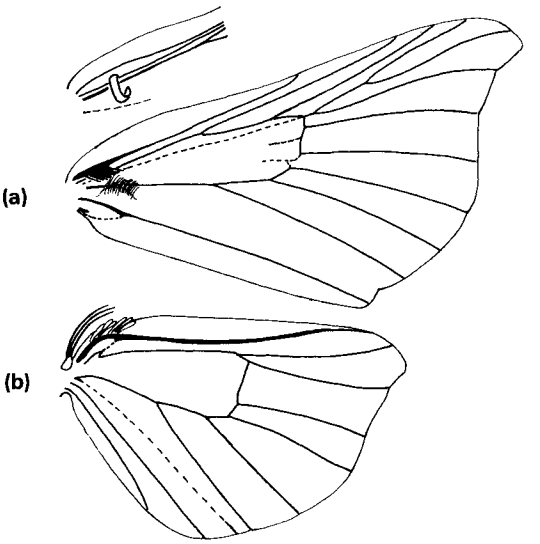
(71) Carposinidae
Heterocrossa
(generalised)



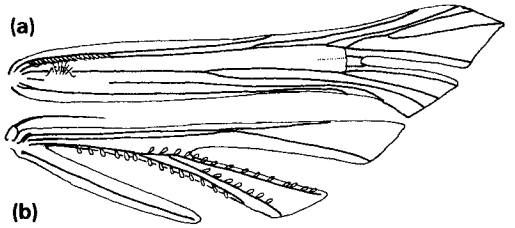
(74) Nymphalidae
Argyrophenga antipodum



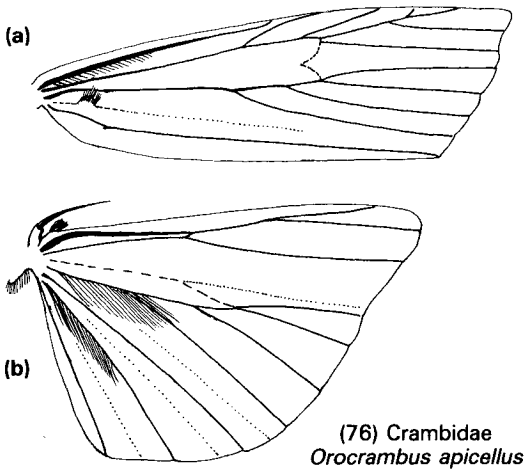
(72) Copromorphidae
Phycomorpha metachrysa



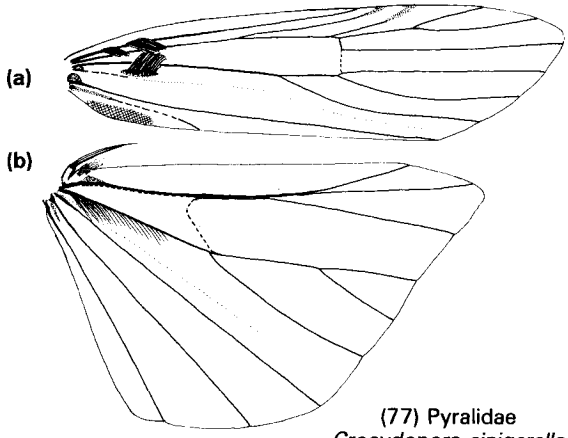
(75) Thyrididae
Morova subfasciata
(detail: ♂ retinaculum)



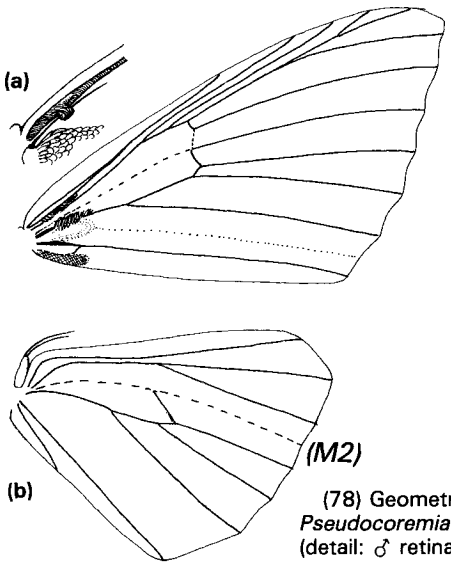
(73) Pterophoridae
Platyptilia falcatalis



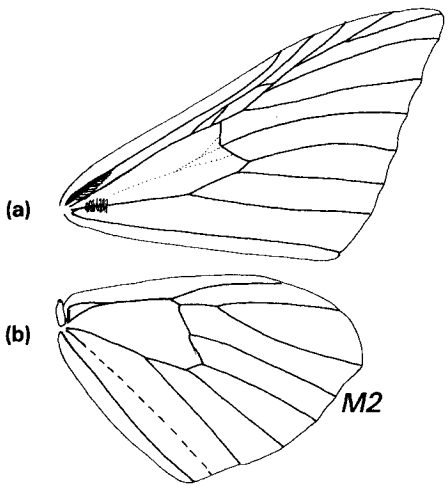
(76) Crambidae
Orocrambus apicellus



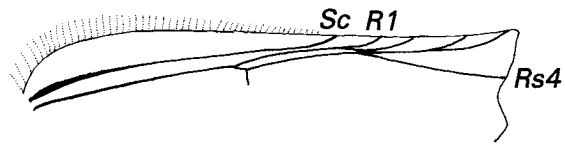
(77) Pyralidae
Crocydopora cinigerella



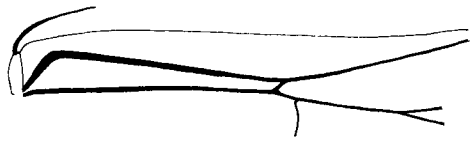
(78) Geometridae
Pseudocoremia suavis
(detail: ♂ retinaculum)



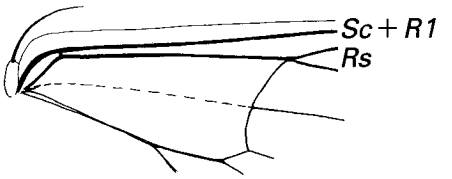
(81) Geometridae
Epyaxa rosearia



(79) Geometridae
Declana floccosa
(forewing *Sc*, *R*, and *Rs*)

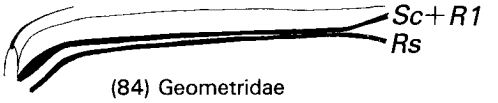


(80) Geometridae
Paradetis porphyrias



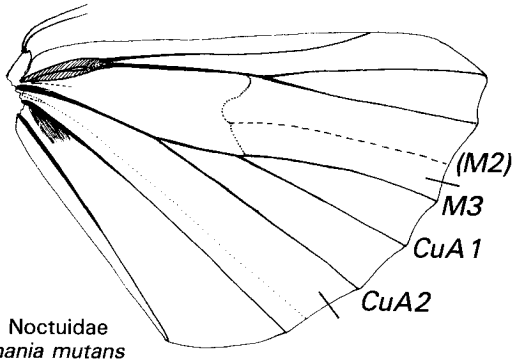
(82) Geometridae
Xyridacma alectoraria
(hindwing *Sc*, *R*, and *Rs*, basal)

(83) Geometridae
Dichromodes sphaeriata
(hindwing *Sc*, *R*, and *Rs*, basal)

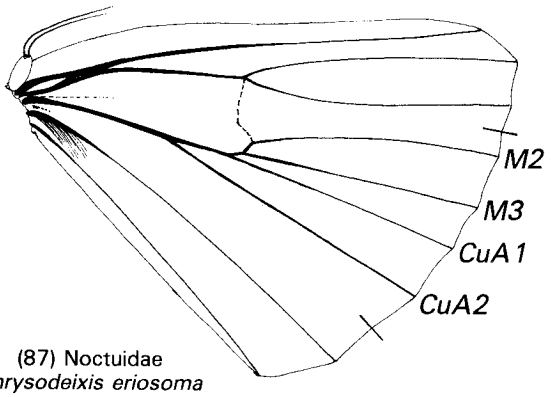


(84) Geometridae
Samana falcatella
(hindwing *Sc*, *R*, and *Rs*, basal)

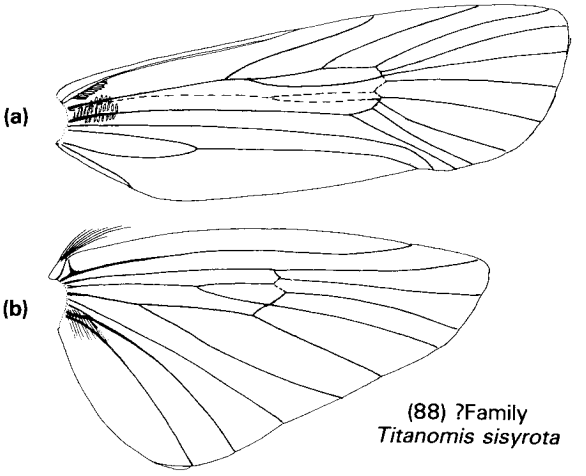
(85) Geometridae
Scopula rubraria
(hindwing *Sc*, *R*, and *Rs*, basal)



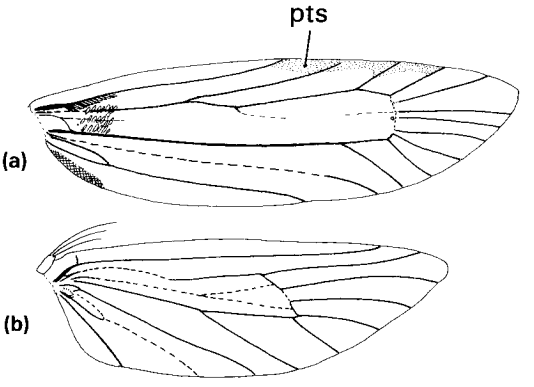
(86) Noctuidae
Graphania mutans
(hindwing)



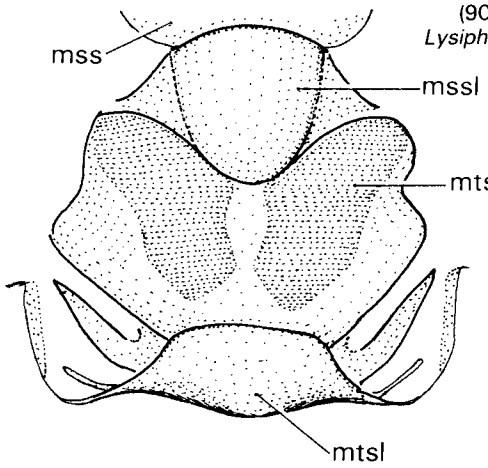
(87) Noctuidae
Chrysodeixis eriosoma
(hindwing)



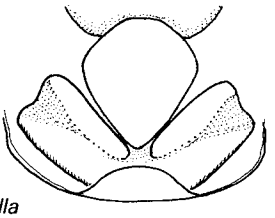
(88) ?Family
Titanomis sisyrota



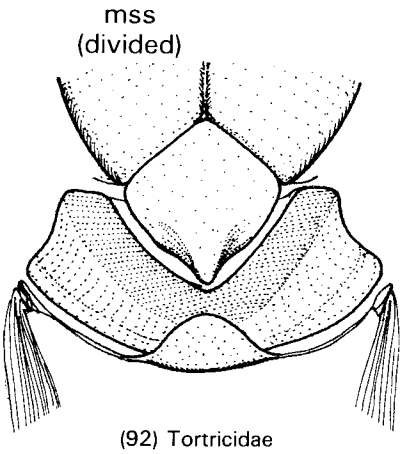
(89) ?Family
"Lysiphragma" argentaria



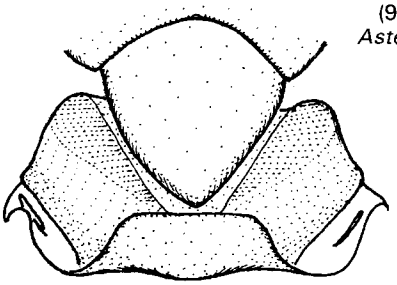
(90) Tineidae
Lysiphragma epixyla



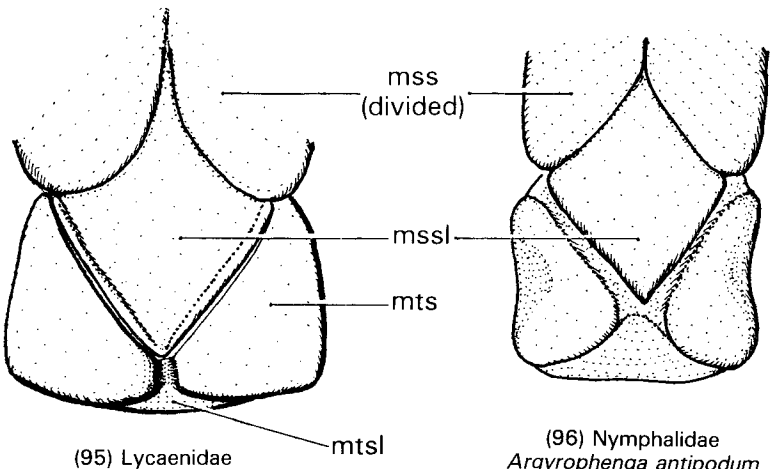
(91) Oecophoridae
Phaeosaces coarctatella



(92) Tortricidae
Planotortrix orthropis

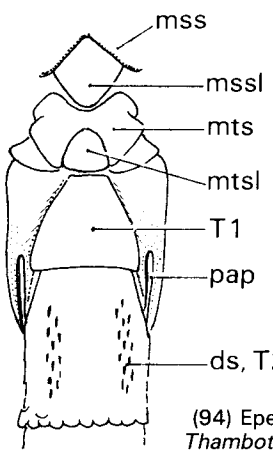


(93) Choreutidae
Asterivora nivescens



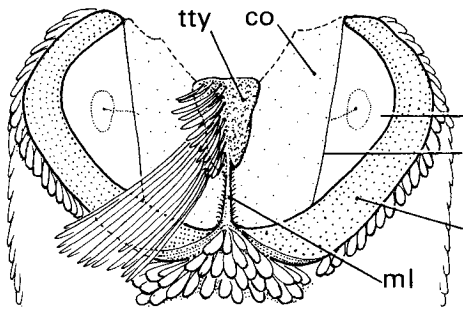
(95) Lycaenidae
Lycaena salustius

(96) Nymphalidae
Argyrophenga antipodum

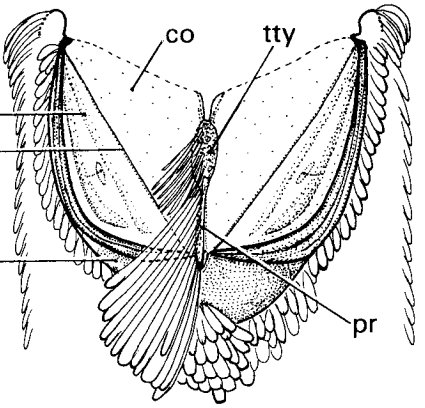


(94) Epermeniidae
Thambotricha vates

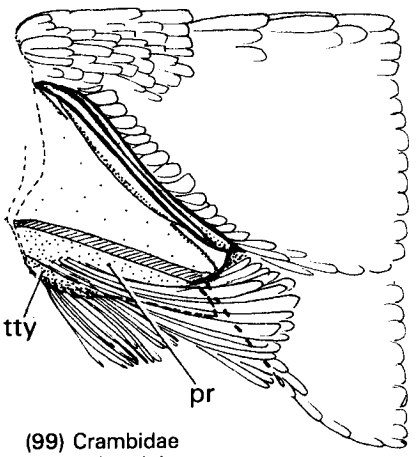
Figures 90–96 Thoracic structures, in dorsal view. **Key: ds**, dorsal spines; **mss**, mesoscutum; **mssl**, mesoscutellum; **mts**, metascutum; **mtsl**, metascutellum; **pap**, procumbent abdominal process; **T**, tergite.



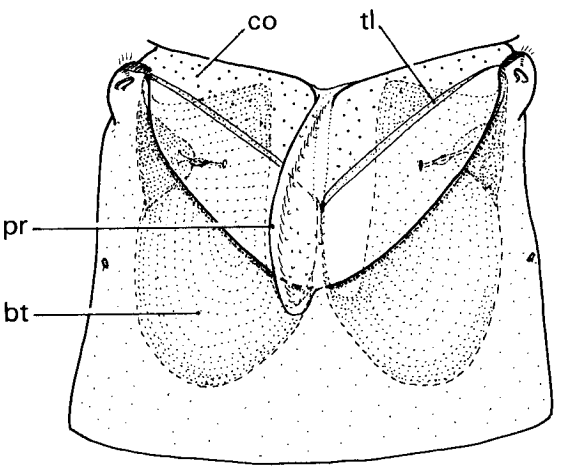
(97) Pyralidae
Ephestia kuehniella
(ventral view)



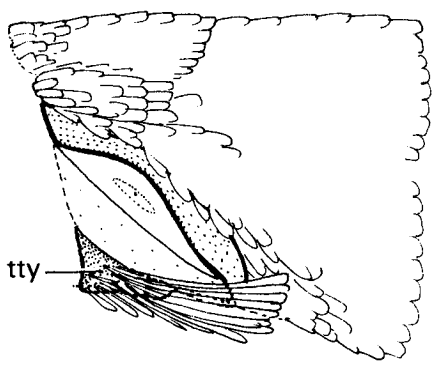
(98) Crambidae
Eudonia sabulosella
(ventral view)



(99) Crambidae
Eudonia hemiplaca
(side view)

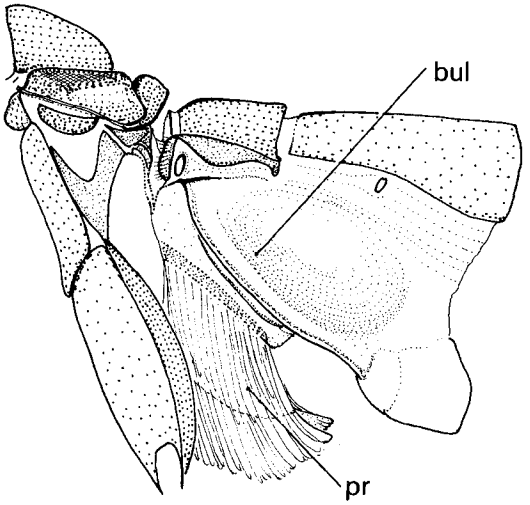


(100) Crambidae
Musotima nitidalis
(ventral view)

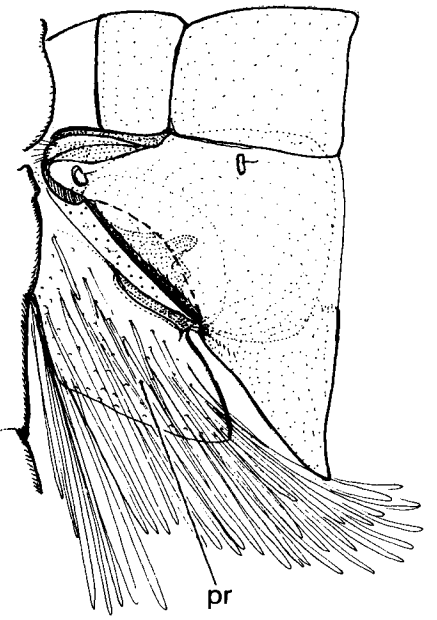


(101) Pyralidae
Ephestia kuehniella
(side view)

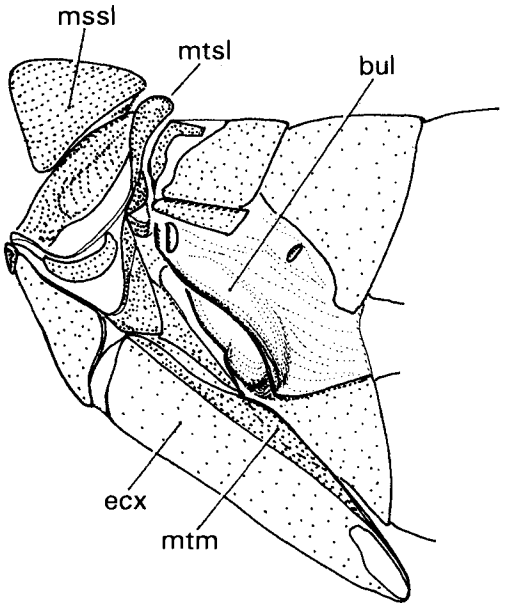
Figures 97–115 Tympanal organs. **Key: bt**, bulla tympani; **bul**, bulla; **co**, conjunctivum; **cth**, countertympanal hood; **ecx**, eucoxa; **ep**, epaulette; **fty**, fornix tympani (border); **ml**, Medianleiste; **mssl**, mesoscutellum; **mtel**, metepimeral lobe; **mtm**, metepimeron; **mts**, metascutum; **mtsl**, metascutellum; **pr**, praecinctorium; **sp1**, abdominal spiracle 1; **tl**, tympanic line; **tty**, torulus tympani (bourrelet); **ty**, tympanum; **vh**, ventral hood.



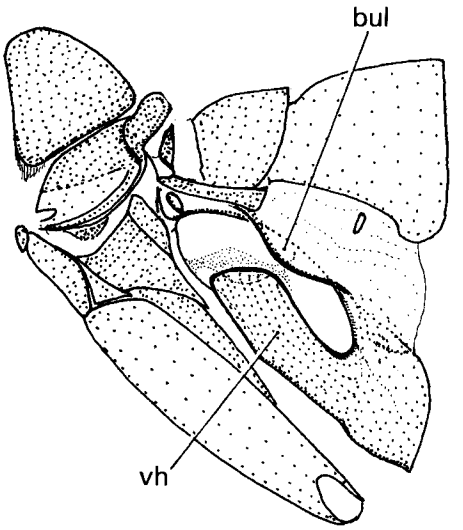
(102) Crambidae
Deana hybreasalis
(side view)



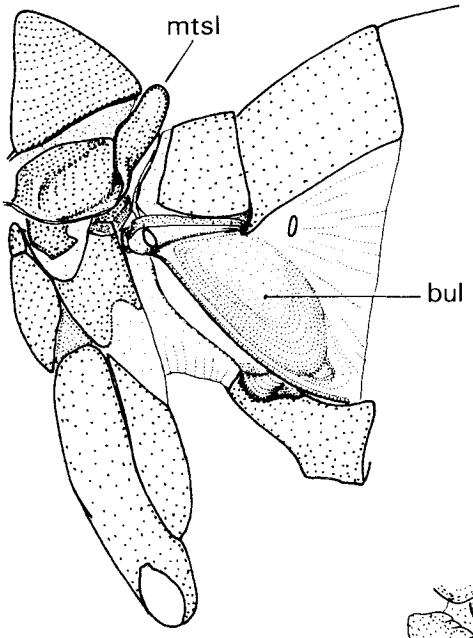
(103) Crambidae
"Heliothela" atra
(side view)



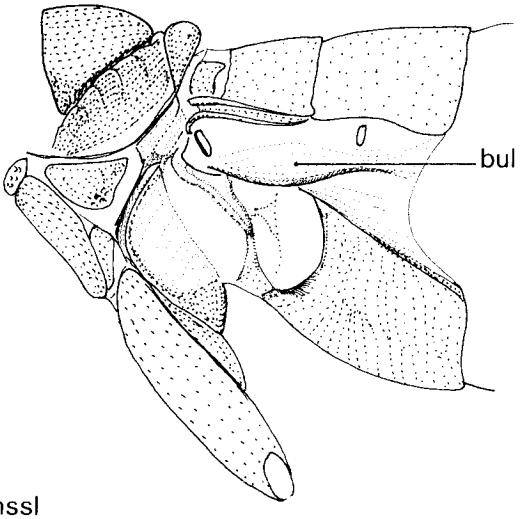
(104) Geometridae
Pseudocoremia suavis
(side view)



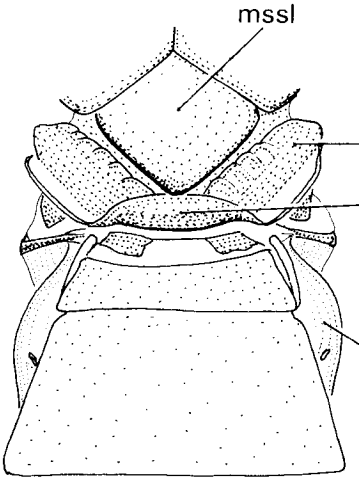
(105) Geometridae
Declana floccosa
(side view)



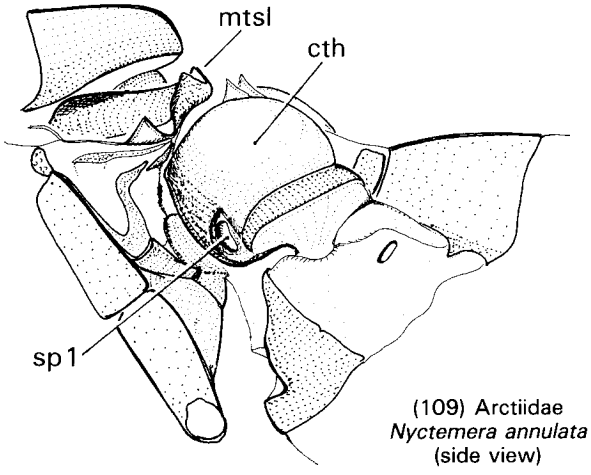
(106) Geometridae
Asaphodes clarata
(side view)



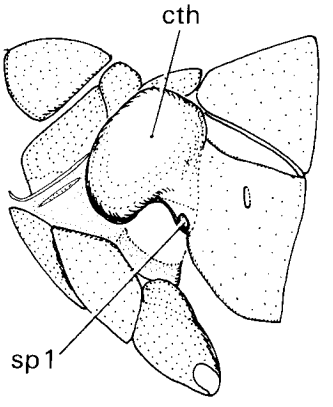
(107) Geometridae
Xyridacma alectoraria
(side view)



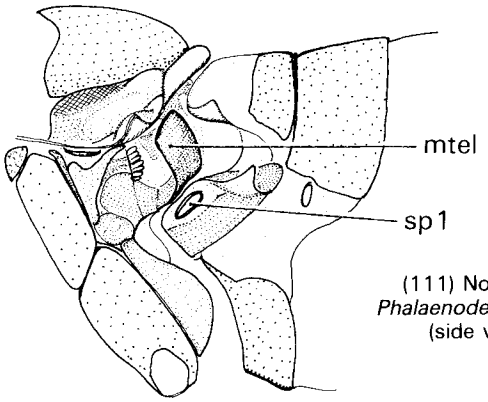
(108) Geometridae
Xyridacma alectoraria
(dorsal view)



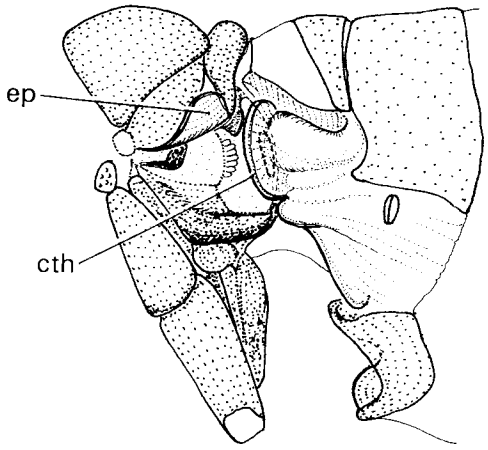
(109) Arctiidae
Nyctemera annulata
(side view)



(110) Arctiidae
Antichloris viridis
(side view)

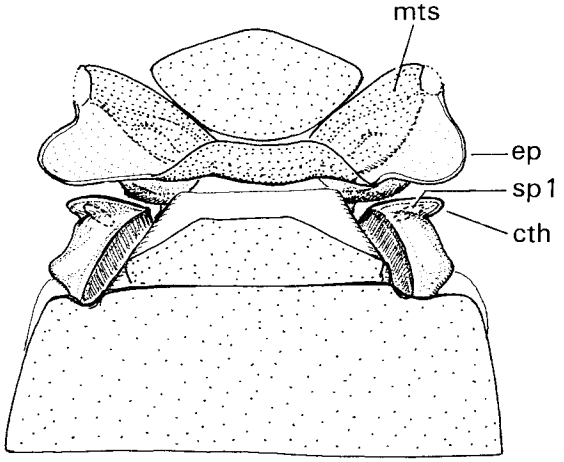


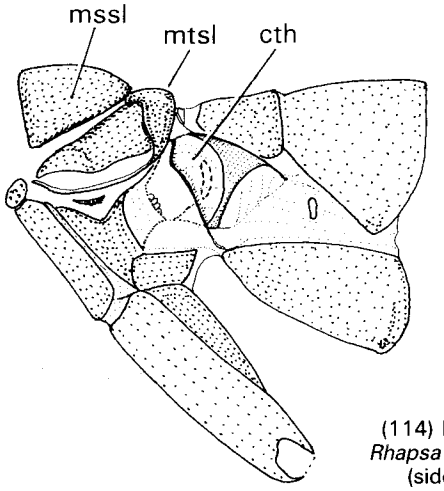
(111) Noctuidae
Phalaenodes glycinae
(side view)



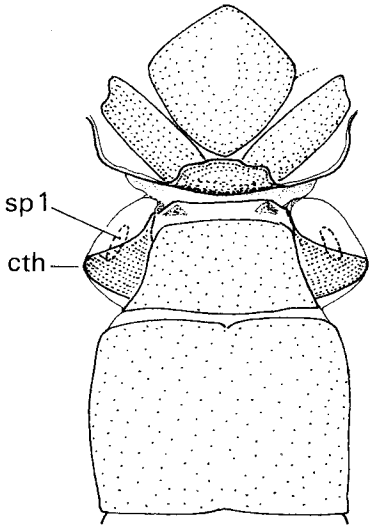
(112) Noctuidae
Graphania mutans
(side view)

(113) Noctuidae
Graphania mutans
(dorsal view)

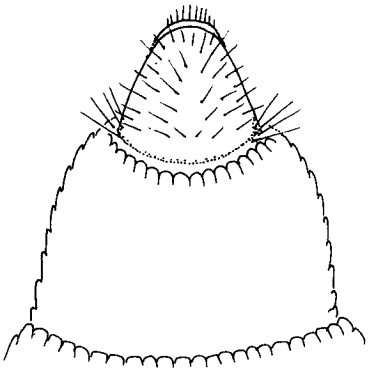




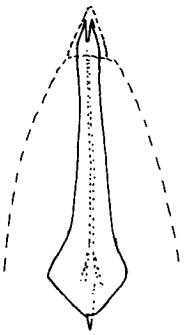
(114) Noctuidae
Rhapsa scotosialis
(side view)



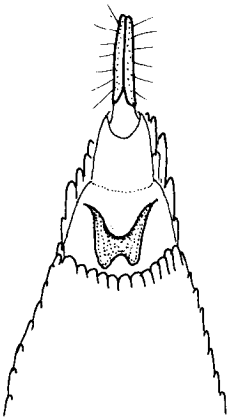
(115) Noctuidae
Rhapsa scotosialis
(dorsal view)



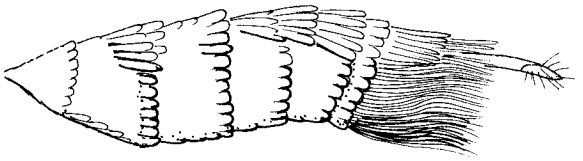
(116) Nepticulidae
Stigmella laqueorum
(ovipositor)



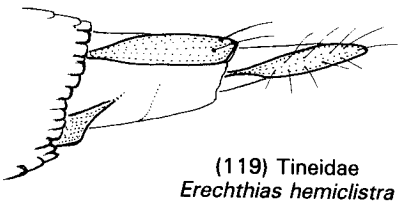
(117) Incurvarioidea
'kamahi scribbler'
(ovipositor, reconstructed)



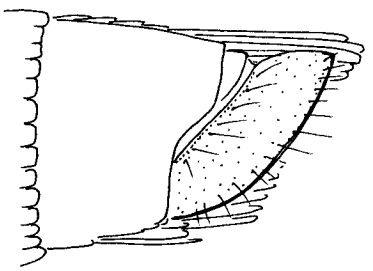
(118) Tineidae
Erechthias hemiclistra
(ovipositor, ventral view)



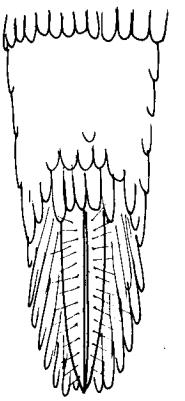
(120) Psychidae
Mallobathra lapidosa
(abdomen, side view)



(119) Tineidae
Erechthias hemiclistra
(ovipositor, side view)

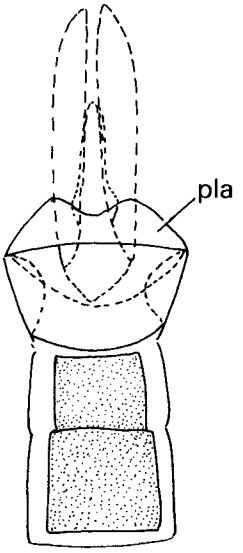


(121) Roeslerstammiidae
Vanicela disjunctella
(ovipositor, side view)

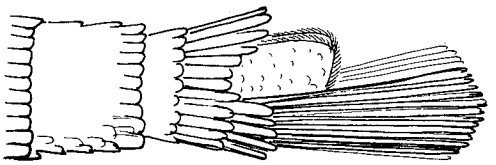


(122) Roeslerstammiidae
Vanicela disjunctella
(ovipositor, ventral view)

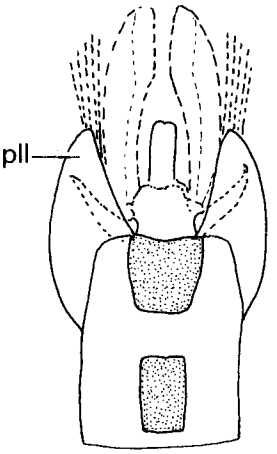
Figures 116–135 Abdominal structures (129–135, male genitalia). **Key: gn**, gnathos; **ovp**, ovipositor; **pla**, pleural area; **pll**, pleural lobe; **unc**, uncus; **vlv**, valva; **vlvp**, valval pocket.



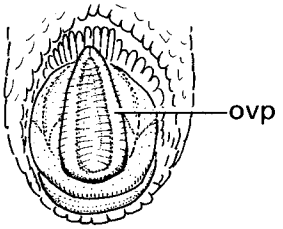
(124) Glyphipterigidae
Pantosperma holochalca, ♂
(abdominal apex, dorsal view)



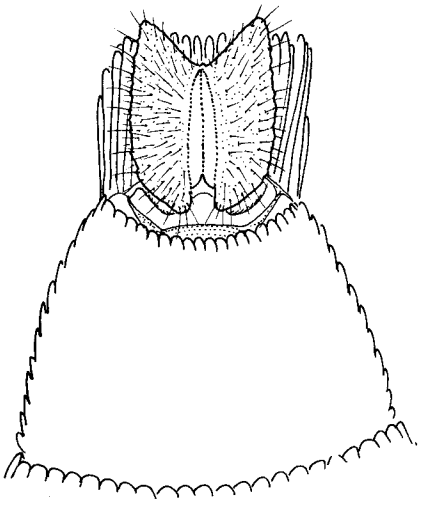
(123) Lyonetidae
Bedellia psamminella, ♂
(side view)



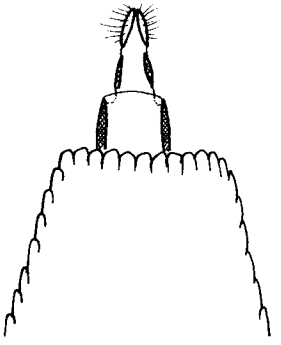
(125) Yponomeutidae
Plutella antiphone, ♂
(abdominal apex, dorsal view)



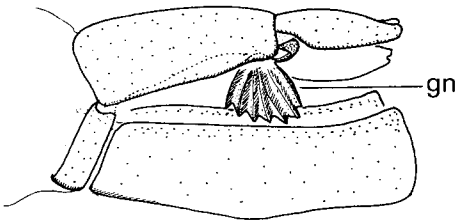
(126) Oecophoridae: Depressariinae
Proteodes profunda
(ovipositor, end view)



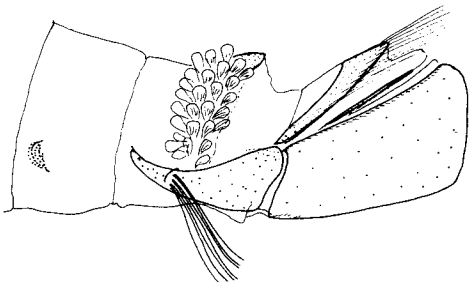
(127) Tortricidae
Planotortrix excessana
(ovipositor, ventral)



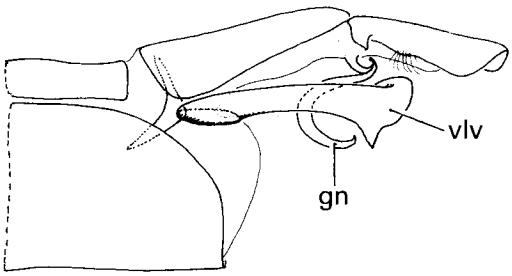
(128) Copromorphidae
Isonomeutis amauropa
(ovipositor, ventral)



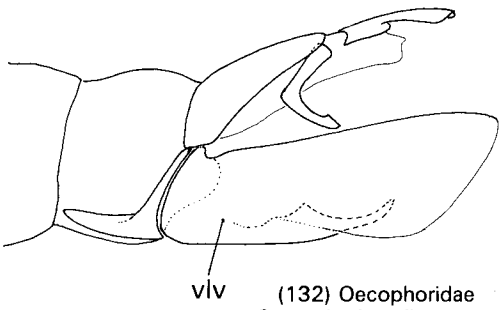
(129) Roeslerstammiidae
Vanicela sp.



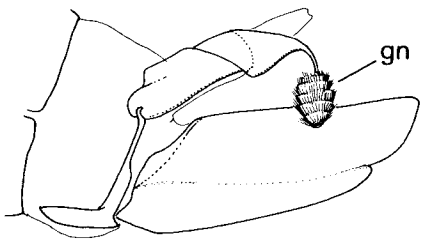
(130) Gracillariidae
Caloptilia linearis
(note lack of gnathos)



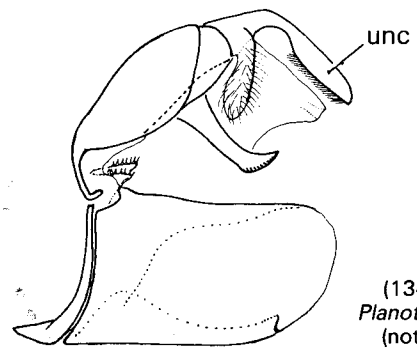
(131) Gelechiidae
Anisoplaca achyrota



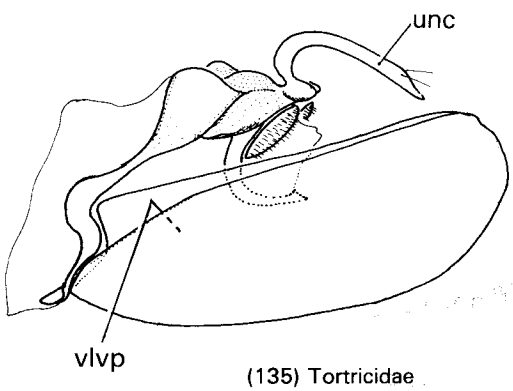
(132) Oecophoridae
Gymnobathra dinocosma



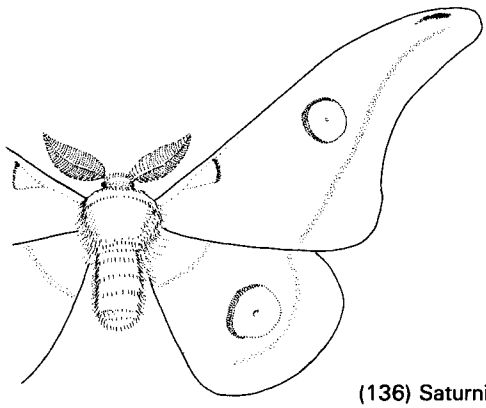
(133) Oecophoridae
Proteodes profunda
(note spinulose gnathos)



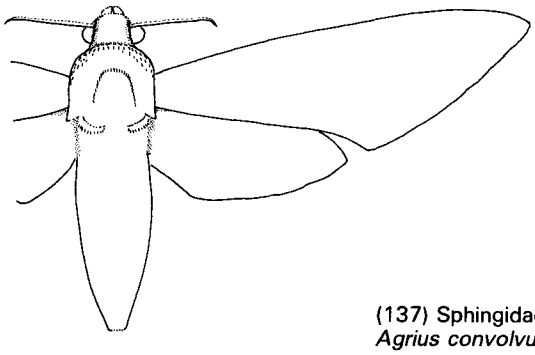
(134) Tortricidae
Planotortrix conditana
(note uncal neck)



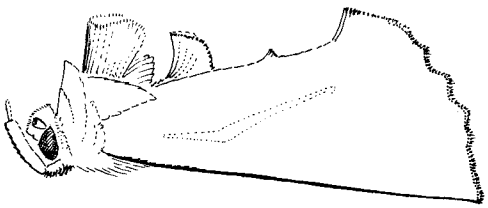
(135) Tortricidae
Lopharca insolita
(note sigmoid uncus, valval pocket)



(136) Saturniidae
Antheraea eucalypti



(137) Sphingidae
Agrius convolvuli



(138) Noctuidae
Ctenoplusia albostriata

Figures 136–138 Habitus sketches of three distinctive body forms.

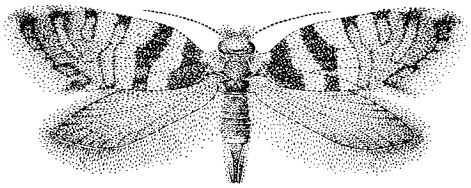
Figures 139–181 Habitus sketches marking commencement of (indigenous) family-group sections in catalogue

TAXONOMIC CATALOGUE

Suborder ZEUGLOPTERA

Superfamily MICROPTERIGOIDEA

Family MICROPTERIGIDAE



Micropterigidae
(139) *Micropardalis aurella* Hudson

• ***Micropardalis*** Meyrick, 1912a, p. 22 (listed); 1912c, p. 124 (listed); 1912f, p. 7, description. Type species *Palaeomicra doroxena* Meyrick, by monotypy (Meyrick 1912f, p. 7).

aurella Hudson, 1918, p. 62 (*Sabatinca*)
Tararua Range WN, R.M. Sunley; LT ♀ here designated, labelled "804b", "slopes of Tararua Mountains, Sunley, '08 [Hudson's Register]", NMNZ.
Hudson 1928, pp. 367–368, pl. xlvi fig. 20.

doroxena Meyrick, 1888e, p. 92 (*Palaeomicra*)
Waitakere Range AK, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 367, pl. xxxix fig. 27.

• ***Sabatinca*** Walker, 1863c, p. 511. Type species *Sabatinca incongruella* Walker, by monotypy.

Palaeomicra Meyrick, §1885i, p. 592; 1886b, p. 180. Type species *Palaeomicra chrysargyra* Meyrick, by subsequent designation (Meyrick 1912f, p. 7). Synonymised by Meyrick (1912c, p. 124; 1912f, p. 7).

aemula Philpott, 1924c, pp. 667–668 (*Sabatinca*)
Cobb Valley NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 369, pl. xxxix fig. 17.

aenea Hudson, 1923c, p. 181 (*Sabatinca*)
Governor's Bay, Banks Peninsula MC, S. Lindsay; HT ♂ labelled "1069a", unique, NMNZ.
Hudson 1928, pp. 370–371, pl. xlvii fig. 12.

aurantiaca Philpott, 1924c, pp. 668–669 (*Sabatinca*)
Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 369, pl. li fig. 26.

barbarica Philpott, 1918, p. 132 (*Sabatinca*)
Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 370, pl. xlvii fig. 19.

calliarcha Meyrick, 1912c, pp. 124–125 (*Sabatinca*)
Blue Cliffs FD, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 379, pl. xxxix fig. 23.
Note. Blue Cliffs is "on Te Waewae Bay, west of Tuatapere" (Dollimore 1962, p. 104). Although Meyrick cited "Invercargill" on the HT label, he published the locality as "Bluecliff, Invercargill".

caustica Meyrick, 1912c, p. 124 (*Sabatinca*)
[Seaward Moss] SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP 23.10.10", "Sabatinca caustica Meyr. 3/4 E. Meyrick det. in Meyrick Coll.", [selected by K.R. Tuck], BMNH.
Hudson 1928, p. 369, pl. xxxix fig. 18.

chalcophanes Meyrick, §1885i, p. 592; 1886b, p. 180 (*Palaeomicra*)
Makatoku WA, E. Meyrick; LT ♂ here designated, labelled "Makatoku New Zealand 8.2.83", "Sabatinca incongruella Walker 2/14 E. Meyrick det. in Meyrick Coll.", "Lectotype Palaeomicra chalcophanes Meyrick teste K.R. Tuck 1978", BMNH.
Hudson 1928, p. 370, pl. xxxix fig. 19, as *Sabatinca incongruella.*

chrysargyra Meyrick, §1885i, p. 592; 1886b, p. 182 (*Palaeomicra*)
Lake Wakatipu OL, E. Meyrick; LT ♂ here designated, labelled "Lake Wakatipu New Zealand 15.12.82", "Sabatinca chrysargyra Meyr. 4/12 E. Meyrick det. in Meyrick Coll.", [selected by K.R. Tuck], BMNH.
Hudson 1928, p. 369, pl. xxxix fig. 17.

demissa Philpott, 1923, p. 154 (*Sabatinca*)
Te Wairoa BP, R.J. Tillyard; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 368, pl. xlix fig. 15.

heighwayi Philpott, 1927d, p. 90 (*Sabatinca*)
Leslie Valley NN, W. Heighway; HT ♀ unique, NZAC.
Hudson 1939, p. 471, pl. lxi fig. 32.

ianthina Philpott, 1921, p. 342 (*Sabatinca*)
Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 369, pl. xxxix fig. 25.

incongruella Walker, 1863c, p. 511 (*Sabatinca*)
[Nelson NN], T.R. Oxley, 1860; LT ♂ designated by Kristensen & Nielsen (1979, p. 140), BMNH.
Hudson 1928, p. 370, pl. xlvi fig. 18, as *eodora.*

munda Felder & Rogenhofer, 1875, pl. clx fig. 38 (*Oecophora*). **New synonymy.**
[Nelson NN], T.R. Oxley, 1864; HT (?gender) unique, BMNH.

Note. The HT comprises the left forewing and hindwing, stuck to a pin.

eodora Meyrick, 1918a, p. 134 (*Sabatinca*). Synonymised by Kristensen & Nielsen (1979, p. 140).
[Shedwood Forest], Tapawera NN, G.V. Hudson; LT ♂ designated by Kristensen & Nielsen, BMNH.
Hudson 1928, p. 370, pl. xlvi fig. 18.

lucilia Clarke, 1920, p. 35 (*Sabatinca*)
Kauri Gully, Northcote AK, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, p. 371, pl. xlix fig. 9.
Note. Clarke's published type designation of a specimen from Waitomo WO (Clarke 1934, p. 16) is at odds with the specimen labelled "Sabatinca lucilia Clarke Type T. LII 1919".

passalota Meyrick, 1923, p. 169 (*Sabatinca*)
Lake Wakatipu OL, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 369, pl. xlix fig. 14.

quadrijuga Meyrick, 1912c, p. 126 (*Sabatinca*)
Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 369, pl. xxxix fig. 25.

rosicoma Meyrick, 1914a, p. 118 (*Sabatinca*)
Kaeo ND, G.V. Hudson; LT ♂ here designated, labelled "Sabatinca rosicoma Meyr. 3/4 E. Meyrick det. in Meyrick Coll.", "Kaeo New Zealand GVH 1.13", [selected by K.R. Tuck], BMNH.
Hudson 1928, p. 368, pl. xxxix fig. 20.

zonodoxa Meyrick, 1888e, p. 91 (*Sabatinca*)
[Waitakere Range AK], E. Meyrick; LT ♂ here designated, labelled "Sabatinca zonodoxa Meyr. 11/11 E. Meyrick det. in Meyrick Coll.", "Auckland New Zealand 22.12.85", [selected by K.R. Tuck], BMNH.
Hudson 1928, p. 368, pl. xxxix fig. 21.

Also 1 undescribed species (G.W. Gibbs, VUNZ).

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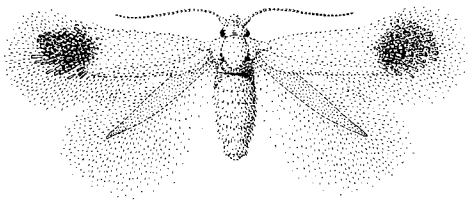
Suborder MONOTRYSIA
Superfamily NEPTICULOIDEA
Family NEPTICULIDAE



Nepticulidae
(140) *Stigmella oriastra* (Hudson)

• ***Stigmella*** Schrank, 1802. p. 169. Type species *Phalaena* (*Tinea*) *anomalella* Goeze, 1783, p. 168 (= *Tinea rosella* Schrank, 1802, p. 139), by subsequent designation (Walsingham 1907, p. 1008).

Nepticula Heyden, 1843, p. 208. Type species *Tinea aurella* Fabricius, 1775, p. 666, by subsequent designation (Tutt 1899, p. 184). Synonymised by Wilkinson (1978, p. 19).

cypracma Meyrick, 1916b, p. 419 (*Nepticula*) **new combination**
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 355, pl. xxxiv fig. 4, as *Nepticula cypracma.*

erechtitus Watt, 1924, p. 686 (*Nepticula*) **new combination**
Dunedin DN, M.N. Watt; LT ♀ here designated, labelled "Dn, Dec. 1910", "Nepticula tricentra", NMNZ.
Hudson 1928, p. 356, pl. li fig. 28 (figured from a specimen reared by Watt), as *Nepticula erechtitus.*

fulva Watt, 1921a, p. 215 (*Nepticula*) **new combination**
Dunedin DN, M.N. Watt; 20 ST, NMNZ.
Hudson 1928, p. 356, pl. li fig. 29 (figured from a specimen reared by Watt), as *Nepticula fulva.*

insignis Philpott, 1927d, p. 89 (*Nepticula*) **new combination**
[Salisbury's Opening], Mt Arthur Tableland NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 469, pl. lxi fig. 24 (figured from a specimen selected by Philpott), as *Nepticula insignis.*

laqueorum Dugdale, 1971b, p. 117 (*Nepticula*) **new combination**
The Snares islands, P.M. Johns; HT ♂ designated by Dugdale, NZAC.

lucida Philpott, 1919, p. 225 (*Nepticula*) **new combination**
Waitati DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1928, p. 355, pl. xlvii fig. 20 (figured from a ST), as *Nepticula lucida.*

maoriella Walker, 1864b, p. 1008 (*Tinea*) **new combination**
Auckland AK, D. Bolton; LT ♂ here designated, labelled [by H. Durrant] "Tinea maoriella Wkr Cat. Lep. Het. BM 30 p.1008 (1864) Type ♀", "BMNH Microlepidoptera genitalia slide 21,650", BMNH.
Not mentioned by Hudson.

microtheriella Stainton, 1854, p. 302 (*Nepticula*)
Palearctic. New Zealand: Nelson NN, ex *Corylus*, NZAC.
Not mentioned by Hudson.

ogygia Meyrick, 1889b, p. 187 (*Nepticula*) **new combination**
Dunedin DN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 355, not figured, as *Nepticula ogygia.*

oriastra Meyrick, 1917a, p. 247 (*Nepticula*) **new combination**
Otira Gorge WD, Stella Hudson; LT ♀ selected by P.A. Brown and here designated, labelled "Nepticula oriastra Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", "Otira Gorge New Zealand S.H. 3000′ 1.16", BMNH.
Hudson 1928, p. 356, pl. xl fig. 6 and 20 (figured from STs), as *Nepticula oriastra.*

perissopa Meyrick, 1919, p. 354 (*Nepticula*) **new combination**
Mt Egmont TK, G.V. Hudson; LT ♀ selected by P.A. Brown and here designated, labelled "Nepticula perissopa Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", "Mt Egmont New Zealand GVH 3000′ 2.18", BMNH.
Hudson 1928, p. 355, not figured, as *Nepticula perissopa.*

progama Meyrick, 1924b, p. 662 (*Nepticula*) **new combination**
Bold Peak OL, G.V. Hudson; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 356, pl. li fig. 30, as *Nepticula progama.*

progonopis Meyrick, 1921, p. 336 (*Nepticula*) **new combination**
Mt Arthur NN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 356, pl. xlvii fig. 10, as *Nepticula progonopis.*

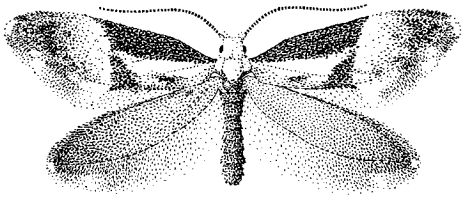
propalaea Meyrick, 1889b, p. 187 (*Nepticula*) **new combination**
Arthur's Pass NC/WD, 2000′, E. Meyrick; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 355, not figured, as *Nepticula propalaea.*

sophorae Hudson, 1939, p. 469 (*Nepticula*) **new combination**
Christchurch MC, M.N. Watt; LT ♂ here designated, labelled "Kowhai Christchurch 24/ii/26", Watt Coll., NMNZ.
Hudson 1939, p. 469, pl. xli fig. 25 (figured from a ST), as *Nepticula sophorae.*

tricentra Meyrick, 1889b, p. 187 (*Nepticula*) **new combination**
[Lyttelton], Christchurch MC, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 355, not figured, as *Nepticula tricentra.*

Also 16 undescribed species (Donner & Wilkinson, in press) (NZAC).

Suborder DITRYSIA EXOPORIA
Superfamily MNESARCHAEOIDEA
Family MNESARCHAEIDAE



Mnesarchaeidae
(141) *Mnesarchaea fusilella* (Walker)

• ***Mnesarchaea*** Meyrick, §1885i, p. 591; 1886b, p. 180. Type species *Mnesarchaea paracosma* Meyrick, by original monotypy.

acuta Philpott, 1929a, p. 304 (*Mnesarchaea*)
Seven specimens (only 1 with abdomen) labelled "Arthurs Pass 9.1.20" (possibly collected by R.J. Tillyard) under this name, but none labelled as HT, AT, or PT, Philpott Collection, NZAC.
Hudson 1928, pl. xxxix fig. 24, as *Mnesarchaea hamadelpha*; 1939, p. 470, as *M. acuta.*

fallax Philpott, 1927a, p. 709 (*Mnesarchaea*)
Mt Arthur Tableland NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 367, not figured.

fusca Philpott, 1922, p. 82 (*Mnesarchaea*)
Gouland Downs NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 367, pl. 1 fig. 2.

fusilella Walker, 1864b, p. 1008 (*Tinea*) **new combination**
Auckland AK, D. Bolton; HT ♂ unique, genitalia slide no. 21,780, BMNH.
Not mentioned by Hudson.

loxoscia Meyrick, 1888e, p. 90 (*Mnesarchaea*). **New synonymy.**
Waitakere Range AK, E. Meyrick; LT ♀ here designated, labelled "Mnesarchaea loxoscia Meyr. 15/15 E. Meyrick det. in Meyrick Coll.", "Auckland New Zealand 22.12.85", BMNH.
Hudson 1928, p. 367, pl. xxxix fig. 23.

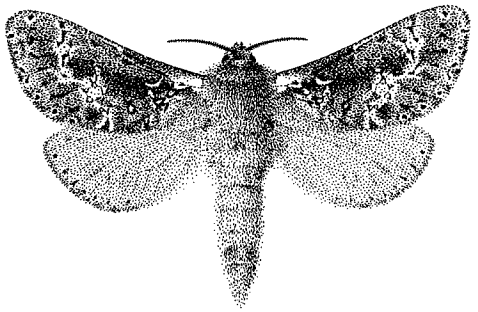
hamadelpha Meyrick, 1888e, p. 91 (*Mnesarchaea*)
Mt Arthur NN [descent, 3000–1500'], E. Meyrick; LT ♂ here designated, labelled "Mnesarchaea hamadelpha Meyr. 5/3 E. Meyrick det. in Meyrick Coll.", "Mt Arthur New Zealand 19.1.86", BMNH.
Hudson 1939, p. 470, pl. lxi fig. 8.

similis Philpott, 1924c, p. 667 (*Mnesarchaea*). Synonymised by Hudson (1928, p. 367) and Philpott (1929, p. 304).
Cobb Valley NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 367, as synonym of *Mnesarchaea hamadelpha.*

paracosma Meyrick, §1885i, p. 591; 1886b, p. 180 (*Mnesarchaea*)
Lake Wakatipu OL, E. Meyrick; LT ♂ selected by J.S. Dugdale and here designated, labelled "Mnesarchaea paracosma Meyrick 7/5 E. Meyrick det. in Meyrick Coll.", "L. Wakatipu New Zealand 15.12.82", BMNH.
Hudson 1928, p. 366, pl. xxxix fig. 26.

Also 4 undescribed species (VUNZ, NZAC).

Superfamily HEPIALOIDEA
Family HEPIALIDAE
Subfamily HEPIALINAE
(in the sense of Dumbleton 1966, p. 927)



Hepialidae
(142) *Wiseana cervinata* (Walker)

• ***Aenetus*** Herrich-Schaeffer, 1855, p. 85. Type species *Hepialus ligniveren* Lewin, by subsequent designation (Kirby 1892, p. 891, as *Oenetus*); Australia.

Charagia Walker, 1856a, p. 1570. Type species *Aenetus virescens* Doubleday, by subsequent designation (Kirby 1892, p. 891). Synonymised by Kirby (1892, p. 891).
Note. Paclt (1953, p. 144) regarded *Aenetus* Herrich-Schaeffer, 1855 as an invalid name, giving as reasons: (a) no species was cited; (b) no diagnosis was given. However, since no violence is done to at least one requirement each in Articles 12 and 16 of the International Code of Zoological Nomenclature (1961), Paclt's action is not followed here.

virescens Doubleday, 1843, p. 284 (*Hepialus*)
Waitemata AK, E. Dieffenbach; HT not in BMNH [?lost; identity not in doubt].
Hudson 1928, pp. 357–359, pl. xlii fig. 13 and 14, pl. xliii fig. 13 and 14, as *Hepialus virescens.*

rubro viridans White in Taylor, 1855, pl. 1 fig. 1 (*Hepialus*). Synonymised by Meyrick (1890, p. 211).
Hudson 1898, p. 129; 1928, p. 357, as synonym of *Hepialus virescens.*

rubroviridans Stephens MSS., Walker, 1856a, p. 1570 (*Charagia*). Synonymised by Kirby (1891, p. 891).
[Auckland AK], A. Sinclair; HT ♀ unique, BMNH.
Hudson 1898, p. 129; 1928, p. 357, as synonym of *Hepialus virescens.*

fischeri Felder in Felder & Rogenhofer, 1874, pl. 1xxx fig. 1 (*Charagia*). Synonymised by Meyrick (1890, p. 211).
[Auckland AK, ?F.R. Hochstetter]; HT ♀ unique, BMNH.
Hudson 1898, p. 129; 1928, p. 357; as synonym of *Hepialus virescens.*

hectori Butler, 1877, p. 380 (*Charagia*). Synonymised by Meyrick (1890, p. 211).
"North Island", J. Hector; HT ♀ unique, BMNH.
Hudson 1898, p. 129; 1928, p. 357; as synonym of *Hepialus virescens.*

virescens* ab. *albo-extremis Quail, 1903, p. 252 (*Charagia*). Synonymised by Hudson (1928, p. 357, footnote).
Palmerston North WI/WN, A. Quail; HT ♂, Illidge Collection, South Australian Museum.

• ***Aoraia*** Dumbleton, 1966, pp. 930–931. Type species *Porina dinodes* Meyrick, by original designation.

Trioxycanus Dumbleton, 1966, p. 943. Type species *Porina enysii* Butler, by original designation. Misidentified type species; **new synonymy.**

aurimaculata Philpott, 1914, p. 121 (*Porina*)
Mount Cook MK, F.S. Oliver; HT ♂ unique, not found, not in CMNZ.
Hudson 1928, p. 360, pl. xlii fig. 12 (HT), as *Porina aurimaculata.*
Note. NZAC and CMNZ hold specimens with golden patches on the forewing that match Hudson's illustration. A specimen matching the type colour pattern, from Mt Cook MK, has been deposited at CMNZ.

dinodes Meyrick, 1890, p. 206 (*Porina*)
Invercargill SL, F.W. Hutton; LT ♂ designated by L.J. Dumbleton, CMNZ.
Hudson 1898, p. 132, pl. xiii fig. 8; 1928, pp. 360–361, pl. xlii fig. 6 and 7; as *Porina dinodes.*

enysii Butler, 1877, p. 381, pl. xlii fig. 7 (*Porina*) **new combination**
"North Island", J.D. Enys; HT ♂ unique, antennae missing, BMNH.
Note. Butler's artist drew imaginary, simple antennae on his depiction of the unique specimen. Meyrick applied Butler's name to another entity with simple antennae and oxycanine forewing venation. Because he could not personally examine Butler's HT, Dumbleton (1966, p. 943) had no reason not to adopt Meyrick's misconception. The case has been submitted to the International Commission on Zoological Nomenclature. The entity described by Meyrick (1890, p. 207) – and subsequently Hudson (1898, p. 133, pl. xiii fig. 9 and 10; 1928, p. 361, pl. xli fig. 4–10), Philpott (1927c, fig. 19), and Dumbleton (1966, pp. 946–947, fig. 52–56) – is not that of Butler. See *Dumbletonius*, below.

leonina Philpott, 1927a, p. 709 (*Porina*). **New synonymy.**
Mount Arthur Tableland NN, A. Philpott; HT ♂ unique, NZAC.
Hudson 1928, p. 361, not figured, as *Porina leonina.*

senex Hudson, 1908, p. 107 (*Porina*)
Old Man Range CO, 4000 ft, J.H. Lewis; HT ♂ unique, NMNZ.
Hudson 1928, p. 360, pl. xliii fig. 1, pl. xlix fig. 20, as *Porina senex*.
Note. Philpott (1923, p. 154) described the short-winged female, collected by F.S. Oliver.

annulata Hamilton, 1909, p. 48 (*Porina*). Synonymised by Hudson (1928, p. 360).
Mount Aurum OL, H. Hamilton; HT ♂ unique, NMNZ.
Hudson 1928, p. 360, as synonym of *Porina senex*.

sp., Dumbleton 1966, p. 939, fig. 42 and 45–47 (*Aoraia*)
Cobb Valley, Dun Mountain NN; Gordon's Knob NN/MB; Altimarlock MB; Craigieburn Range MC; [Rotoiti BR]; Dansey's Pass, DN (NZAC, NMNZ).

Also 8 undescribed species (NZAC).

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Subfamily OXYCANINAE
(in the sense of Dumbleton 1966, p. 940)

• ***Cladoxycanus*** Dumbleton, 1966, pp. 948–949. Type species *Porina minos* Hudson, by original designation.

minos Hudson, 1905a, p. 357 (*Porina*)
Ophir CO, J.H. Lewis; HT ♂ unique, labelled "595a", NMNZ.
Hudson 1928, p. 365, pl. xlii fig. 3–5, as *Porina minos*.

autumnata Hudson, 1920, p. 277 (*Porina*). Synonymised by Hudson (1928, p. 365).
Lower Hutt WN, A.V. Clere; HT ♂ unique, NMNZ.
Hudson 1928, p. 365, as synonym.

• ***Dioxycanus*** Dumbleton, 1966, pp. 951–952. Type species *Porina fusca* Philpott, by original designation.

fuscus Philpott, 1914, p. 121 (as *Porina fusca*)
Bold Peak OL, C.C. Fenwick; HT ♂ designated by Philpott, not found in NMNZ (Dumbleton 1966, p. 955); PT ♂ labelled "Bold Peak, A. Philpott 27.xii.12", "Paratype ♂", available in NZAC.
Hudson 1928, p. 364, pl. xlii fig. 10 and 11, as *Porina fusca*.

oreas Hudson, 1920, p. 277 (*Porina*)
Mount Egmont TK, A. Lysaght; LT ♂ designated by Dumbleton (1966, p. 953), NMNZ.
Hudson 1928, pp. 364–365, pl. xliv fig. 19 and 20, as *Porina oreas*.

ascendens Meyrick, 1921, p. 336 (*Porina*). Synonymised by Dumbleton (1966, p. 952).
Mount Arthur NN, G.V. Hudson; LT ♀ designated by Dumbleton, BMNH.
Hudson 1928, p. 365, pl. xlix fig. 21, as species.

descendens Hudson, 1923c, p. 180 (*Porina*). Synonymised by Dumbleton (1966, p. 952).
Arthur's Pass NC/WD, H. Hamilton; LT ♂ designated by Dumbleton (1966, p. 954), NMNZ.
Hudson 1928, p. 364, pl. li fig. 19, as species.

gourlayi Philpott, 1931, p. 36 (*Porina*). Synonymised by Dumbleton (1966, p. 952).
Flora Camp, Mount Arthur NN, E.S. Gourlay; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 470, pl. lxii fig. 5 and 6, as species.

• ***Dumbletonius*** Dugdale, new name for *Trioxycanus* Dumbleton, 1966, pp. 942 (key) and 943. Type species *Dumbletonius sylvicola* Dugdale, new name for *Porina enysii* of authors (see below).
Note. See discussion under *Aoraia enysii*, above.

characterifer Walker, 1865a, p. 594 (*Hepialus*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 133, pl. xiii fig. 11; 1928, p. 362, pl. xli fig. 11 and 12; as *Porina characterifer*.

impletus Walker, 1865a, p. 598 (*Hepialus*). Synonymised by Meyrick (1890, p. 208).
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, p. 133; 1928, p. 362; as synonym.

sylvicola Dugdale, new name for *Porina enysii* in the sense of Meyrick (1890, p. 207), Hudson (1898, p. 133, pl. xiii fig. 9 and 10), Philpott (1927c, p. 39, fig. 19), Hudson (1928, pp. 361–362, pl. xli fig. 4–10), and Dumbleton (1966, pp. 940–943, fig. 52–56) but not of Butler (1877, p. 381, pl. xlii fig. 7).
Wellington WN, ?collector; HT ♂ here designated, labelled "Wellington 25.1.10", NZAC.
Note. Philpott's, Hudson's, and Dumbleton's descriptions and illustrations are all based on Wellington specimens. The HT is a ♂ in good condition, with markings resembling those of *P. enysii* Butler but with the diagnostic hindwing colour – "pinkish brown, tinged with ochreous on the termen" (Hudson 1898, p. 133).

unimaculatus Salmon, 1948, p. 309 (*Porina*)
Great Island, Three Kings Islands, E.G. Turbott; HT ♂ unique, AMNZ.
Dumbleton 1966, pp. 944–946, fig. 48–51 and 108.

• ***Wiseana*** Viette, 1961, pp. 38–39, replacement name for *Philpottia* Viette, 1950, pp. 72–73, preoccupied by *Philpottia* Broun, 1915 (Coleoptera). Type species *Pielus umbraculata* Guenée, by original designation.

cervinata Walker, 1865a, p. 595 (*Elhamma*)
[Nelson NN], T.R. Oxley, 1860; HT ♂ unique, BMNH.
Hudson 1898, pp. 133–134, pl. xiii fig. 12 and 18; 1928, p. 362, pl. xliii fig. 5. Dumbleton 1966, fig. 110 (HT ♂).
Note. Under *cervinata* I synonymise those names that apply to adults from WO–DN emerging in late spring to early summer and which have no consistent morphological differences either within or between populations. Hudson (1928, pl. xliii fig. 5–7) illustrates variation in *W. cervinata*.

despecta Walker, 1865, p. 594 (as *Hepialus despectus*). **New synonymy.**
[Nelson NN], T.R. Oxley, 1860; HT ♀ unique, BMNH.
Hudson 1898, p. 134; 1928, p. 362, as species. Dumbleton 1966, fig. 112 (HT).

vexata Walker, 1865a, pp. 597–598 (*Porina*). Synonymised by Meyrick (1890, p. 208).
[Nelson NN], T.R. Oxley, 1860; LT ♂ here designated, labelled "Type" (circular, red-margined label), "New Zealand" // "60-73", with 39.5 mm wing span, BMNH.
Hudson 1898, p. 133; 1928, p. 362; as synonym.

variolarus Guenée, 1868, p. 1 (*Pielus*). Synonymised by Meyrick (1890, p. 208).
[Fendalton, Christchurch MC], R.W. Fereday; HT ♂ MNHP; [2 ♂♂ labelled "25.10.64 Fendalton flying at dusk" and 1 ♂ labelled "1st week Nov '64 Fendalton at light on window", Fereday Collection, CMNZ.]
Hudson 1898, p. 133; 1928, p. 362; as synonym.

copularis Meyrick, 1912c, p. 123 (*Porina*)
Invercargill SL, A. Philpott; LT ♂ designated by L.J. Dumbleton, BMNH.
Hudson 1928, p. 363, pl. xlii fig. 8 and 9 (topotypic ♂ and ♀). Dumbleton 1966, fig. 111 (LT).
Note. This name refers to adults with slender wing scales and oblong antennal pectinations, emerging mid November to February. The name "despecta" was applied in error to this entity by Dumbleton (1966) and in subsequent agricultural literature.

fuliginea Butler, 1879a, p. 488 (*Porina*)
"Otago", F.W. Hutton; HT ♂ unique, BMNH.
Hudson 1898, p. 133; 1928, p. 362; as synonym.
Note. This species is removed from synonymy with *cervinata* (cf. Meyrick 1890, p. 208; Dumbleton 1966, p. 959) as it has consistent differences in morphology and in electrophoretic characteristics (G. MacArthur, pers. comm.).

jocosa Meyrick, 1912c, p. 124 (*Porina*)
Invercargill SL, A. Philpott; LT ♂ designated by Dumbleton, BMNH.
Hudson 1928, p. 363, pl. xlii fig. 1 and 2 (topotypic ♂). Dumbleton 1966, fig. 115 (LT).
Note. This species is removed from synonymy with *cervinata* (cf. Dumbleton 1966, p. 959) as it has consistent morphological differences, and is the only *Wiseana* with short, broad forewing scales.

mimica Philpott, 1923, p. 153 (*Porina*)
West Plains, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 362, pl. xliv fig. 15 (topotypic ♂). Dumbleton 1966, fig. 109 (HT).
Note. This species is removed from synonymy with *cervinata* (cf. Dumbleton 1966, p. 969) as it has consistent morphological differences. The lowland flight period is early spring.

signata Walker, 1856a, p. 1563 (*Elhamma*)
[Auckland AK], D. Bolton; LT ♂ designated by Dumbleton (1966, p. 1964), BMNH.
Hudson 1898, pp. 134–135, pl. xiii fig. 15; 1928, pp. 363–364, pl. xliii fig. 2–4.

novae zealandiae Walker, 1856a, p. 1573 (*Porina*). Synonymised by Meyrick (1890, p. 210).
[Auckland AK], A. Sinclair; LT ♂ here designated, labelled "45-61" "New Zealand", "Type" (circular, green-margined label), BMNH.
Hudson 1898, p. 134; 1928, p. 363; as synonym.

umbraculata Guenée, 1868, p. 1 (*Pielus*)
[Fendalton, Christchurch MC], R.W. Fereday; LT ♂ designated by L.J. Dumbleton, MNHP; [1 ♂, 1 ♀ labelled "21.10.64 window at night, Fendalton" in Fereday Collection, CMNZ.]
Hudson 1898, p. 134, pl. xiii fig. 14; 1928, p. 363, pl. xli fig. 1–3.

• Also 1 undescribed genus and species.

Names of uncertain identity

mairi Buller, 1873, p. 279 (*Porina*)
Ruahine Range RI/WA, W.L. Buller; HT lost when the barque 'Assaye' was wrecked in 1890 (Hudson 1898, p. 132). The illustration in Buller's paper suggests a large *Dumbletonius characterifer*.

Excluded species

Epialus antipoda "Bd" [Boisduval]: Herrich-Schaeffer 1853, pl. x fig. 44 (illustration); 1855, p. 86 (text)
Wagner & Pfitzner (1911, p. 16) record it from "N. Seeland" (in *Porina*), but the true locality is Australia (E.S. Nielsen, pers. comm.).

Epiolus hyalinatus Herrich-Schaeffer 1853, fig. 50 (illustration); 1855, p. 86 (text); as *Abantiades diaphanus* HS
Wagner & Pfitzner (1911, p. 15) record it from "N. Seeland, Tasmanien" (in *Pielus* Walker).

Phalanx INCURVARIINA
(in the sense of Minet 1984, p. 147)

Superfamily INCURVARIOIDEA
(in the sense of Minet 1984, p. 147)

Larval, pupal, and adult remains of a species referable to this superfamily, and possibly to Prodoxidae as defined by Nielsen & Davis (1985), have been found at the end of cortical mines on *Weinmannia* species (Cunoniaceae).

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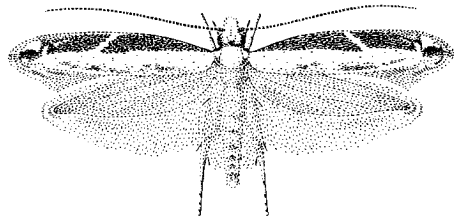
Suborder DITRYSIA ENDOPORIA

Superfamily TINEOIDEA
(in the sense of Minet 1986)

Family TINEIDAE



Tineidae
(143) *Erechthias charadrota* Meyrick

Note. No attempt is made to assign New Zealand taxa to subfamilies, as subfamily concepts differ widely among workers on the Tineidae.

• ***Amphixystis*** Meyrick, 1901, p. 576. Type species *Amphixystis hapsimacha* Meyrick, by original monotypy.
Note. Meyrick (1927b, pp. 315–316) redescribed the genus and species.

hapsimacha Meyrick, 1901, p. 577 (*Amphixystis*)
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 333, pl. xxxvi fig. 24 and 25.

• ***Archyala*** Meyrick, 1889b, p. 159. Type species *Archyala paraglypta* Meyrick, by original monotypy.

culta Philpott, 1931, p. 35 (*Archyala*)
Opoho, Dunedin DN, C.E. Clarke; HT ♂ unique, AMNZ.
Hudson 1939, p. 464, pl. lxi fig. 30.

lindsayi Philpott, 1927a, p. 708 (*Tinea*) **new combination**
Mt Grey NC, S. Lindsay; HT ♂ unique, CMNZ.
Hudson 1928, p. 347, pl. lii fig. 32 (an inaccurate illustration).

opulenta Philpott, 1926a, p. 398 (*Archyala*)
Upper Maitai NN, E.S. Gourlay; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 341, as synonym of *terranea* Butler. Philpott (1927e, p. 94, fig. 5) shows genital differences between *opulenta* and *terranea*.

paraglypta Meyrick, 1889b, p. 159 (*Archyala*)
Riccarton Bush, Christchurch MC, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 341, pl. xxxvii fig. 3.

tigrina Philpott, 1930b, p. 15 (*Archyala*). Synonymised by Hudson (1939, p. 464).
Waikaraka Valley, Whangarei ND, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 464, not figured.

pentazyga Meyrick, 1915a, p. 204 (*Archyala*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 341, pl. xxxvii fig. 4.

terranea Butler, 1879a, p. 510 (*Scardia*)
"Otago" [?Dunedin DN], F.W. Hutton; HT ♀ unique, BMNH.
Hudson 1928, p. 341, pl. xxxvii fig. 5.

Also 1 undescribed species (NZAC).

• ***Astrogenes*** Meyrick, 1921, p. 335. Type species *Astrogenes chrysograpta* Meyrick, by original monotypy.

chrysograpta Meyrick, 1921, p. 335 (*Astrogenes*)
Mt Arthur NN, 4,200 ft, Stella Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 347, pl. xxxiv fig. 14, clearly a topotypic specimen – North Island specimens lack the silver spots on the apical third of the forewing costa, i.e., they agree with Whangarei ND *insignita* Philpott.

insignita Philpott, 1930b, p. 16 (*Astrogenes*)
[Waikaraka Valley, Whangarei ND], C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 467, as synonym of *chrysograpta*.
Note. The specimen labelled "Holotype ♂" by Philpott agrees in wingspan with the published description. The 4 PTs are all from Woodhaugh DN, as published. Philpott may have assumed that all 5 specimens were from Woodhaugh. I have not disturbed the labelling so that a name is available for the North Island population should that be necessary.

• ***Bascantis*** Meyrick, 1914a, pp. 114–115. Type species *Bascantis sirenica* Meyrick, by original monotypy.

sirenica Meyrick, 1914a, p. 115 (*Bascantis*)
Kaeo ND, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 341, pl. xxxvii fig. 23; 1950, pp. 112–113, pl. vii fig. 2.
Note. Although Meyrick records 2 localities, he saw only 1 specimen.

• ***Crypsitricha*** Meyrick, 1915b, p. 235. Type species *Endophthora mesotypa* Meyrick, by original designation.

agriopa Meyrick, 1888e, p. 95 (*Endophthora*)
Wellington WN, E. Meyrick; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 339, not figured.

generosa Philpott, 1926a, p. 398 (*Crypsitricha*)
Manapouri [Hunter Mountains] FD, S. Lindsay; HT ♀ unique, CMNZ.
Hudson 1928, p. 340, pl. lii fig. 15.

mesotypa Meyrick, 1888e, pp. 94–95 (*Endophthora*)
Auckland AK, E. Meyrick; LT ♀ here designated, labelled "Auckland New Zealand 16.12.85", "Crypsitricha mesotypa Meyr. 8/19 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 340, pl. xxxvii fig. 6 (pattern agrees well with LT).

pharotoma Meyrick, 1888e, p. 94 (*Endophthora*)
Whangarei [Heads] ND, E. Meyrick; LT ♂ here designated, labelled "Whangarei New Zealand 19.12.85", "Crypsitricha pharotoma Meyr. 7/10 E. Meyrick det. in Meyrick Coll.", abdomen in capsule, BMNH.
Hudson 1928, p. 339, pl. xl fig. 15 (the forewings are drawn too narrow).
Note. There are 6 PLTs, nos. 1–4/10 and 6/10 from Christchurch, no. 5/10 from Palmerston North, also in BMNH.

roseata Meyrick, 1913a, p. 28 (*Endophthora*)
Wadestown, Wellington WN, G.V. Hudson; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 340, pl. xxxvii fig. 22.

stereota Meyrick, 1914a, p. 114 (*Endophthora*)
Auckland AK, G.V. Hudson; LT ♂ here designated, labelled "Auckland New Zealand GVH 2.1.13", "Crypsitricha stereota Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 339, pl. xxxvii fig. 7.

Also 1 undescribed species (NZAC).

• ***Dryadaula*** Meyrick, 1893, p. 559. Type species *D. glycinopa* Meyrick, by original monotypy; Australia (Blackheath, N.S.W.).

castanea Philpott, 1915, p. 201 (*Dryadaula*)
Bluff SL, A. Philpott; HT ♂ designated without gender by Philpott, abdomen missing, NZAC.
Hudson 1928, p. 338, pl. xxxvi fig. 26.

myrrhina Meyrick, 1905, p. 243 (*Dryadaula*)
[Wellington] "New Zealand", G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 337, pl. xxxvii fig. 19.

pactolia Meyrick, 1901, p. 577 (*Dryadaula*)
Nelson NN, E. Meyrick; LT ♂ here designated, labelled "Nelson New Zealand 12.1.86", "Dryadaula pactolia

Meyr. 4/4 E. Meyrick. det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 338, pl. li fig. 13.
Note. Recorded as "Esch[atotypa] sp.?" in Meyrick's Diary of Captures for 12 January 1886. Adventive to Great Britain (Meyrick 1916a, pp. 17–18; Morrison 1968 [biology]) and Denmark (Karsholt & Nielsen 1976a).

• ***Endophthora*** Meyrick, 1888e, p. 93. Type species *Endopthora omogramma* Meyrick, by subsequent designation (Meyrick 1915, p. 235).

omogramma Meyrick, 1888e, p. 94 (*Endophthora*)
Mt Arthur [descent] NN, E. Meyrick; LT ♀ here designated, labelled "Mt Arthur New Zealand 19/1/86", "Endophthora omogramma Meyr. 2/4 E. Meyrick det. in Meyrick Coll.", BMNH; PLT ♀ from [Waitakere Range] "Auckland, 17.12.85" lacks the abdomen.
Hudson 1928, p. 339, pl. xxxvi fig. 23.

pallacopis Meyrick, 1918a, p. 134 (*Endophthora*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 339, pl. xl fig. 1.

rubiginella Hudson, 1939, p. 464 (*Endophthora*)
Waiho River WD, G.V. Hudson; HT ♂ unique, labelled by Hudson "1270a", NMNZ.
Hudson 1938, p. 464, pl. lvii fig. 13.

tylogramma Meyrick, 1924a, p. 206 (*Endophthora*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 339, pl. l fig. 15.

• ***Erechthias*** Meyrick, 1880b, pp. 261–262. Type species *Erechthias charadrota* Meyrick, by subsequent designation (Meyrick 1915b, p. 233).
Note. For extralimital synonymies concerning Pacific taxa, see Robinson (1983).

Hectacma Meyrick, 1915b, pp. 233–234. Type species *Erechthias chasmatias* Meyrick, by original designation. **New synonymy.**

acrodina Meyrick, 1912c, pp. 122–123 (*Ereunetis*)
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, pp. 334–335, pl. xxxvi fig. 19.

charadrota Meyrick, 1880b, p. 268 (*Erechthias*)
[hills above Port Lyttelton], Christchurch MC, E. Meyrick; LT ♀ here designated, labelled "Christchurch New Zealand 8.1.80", "Erechthias charadrota Meyr. 9/11 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 335, pl. xxxvi fig. 16, from a North Island specimen.

melanotricha Meyrick, 1888e, p. 93 (*Erechthias*). **New synonymy.**
[Mt Manaia, Whangarei ND], E. Meyrick; LT ♂ here designated, labelled "Auckland New Zealand 21.12.85", "Erechthias melanotricha Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 335, not figured as such.
Note. Meyrick's Diary of Captures indicates that Meyrick's label on the LT is in error. Specimens from central New Zealand in NZAC are intermediate in colour pattern characters, hence the proposed synonymy.

chasmatias Meyrick, 1880b, p. 264 (*Erechthias*)
Wellington [Botanic Gardens] WN, E. Meyrick; LT ♂ here designated, labelled "Wellington, New Zealand 31.12.79", "Hectacma chasmatias Meyr. 2/11 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 336, pl. xxxvi fig. 17.

chionodira Meyrick, 1880b, pp. 268–269 (*Erechthias*)
Auckland [Domain] AK, E. Meyrick; LT ♂ here designated, labelled "Auckland New Zealand 20.1.80", "Hectacma chionodira Meyr. 8/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 336, pl. xxxvi fig. 28.

crypsimima Meyrick, 1920a, p. 31 (*Hectacma*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, pp. 336–337, pl. xlvii fig. 11.

decoranda Meyrick, 1925a, p. 274 (*Hectacma*)
Manukau, Chatham Islands, S. Lindsay; HT ♂ labelled "Chatham Islands Dec. 1923 Coll. C. Lindsay", "Hectacma decoranda Meyr. TYPE E. Meyrick det. 1924", CMNZ.
Hudson 1928, p. 337, pl. lii fig. 14 (not a very accurate portrayal).
Note. Meyrick returned 3 of the 4 specimens constituting the type series; one, the HT, bears the word "TYPE" in Meyrick's handwriting and is in CMNZ. BMNH has the specimen Meyrick retained (♂ genitalia on slide no. 3779), and this is paratypic, as are the two CMNZ specimens collected on 15 December 1923 and 4–21 January 1924. The presence of an uncus and gnathos may exclude this species from true *Erechthias*.

exospila Meyrick, 1901, p. 577 (*Ereunetis*)
Whangarei [Heads] ND, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 335, pl. xxxvi fig. 22.

externella Walker, 1864b, p. 841 (*Glyphipteryx*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 334, pl. xxxvi fig. 13 and 14.
Note. Walker's record of the collector as Col. Bolton is regarded here as erroneous; the original circular label reads "60-73" and "Auckland, N. Zeal.".

bisignella Walker, 1864b, p. 1007 (*Tinea*) **new synonymy**
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Not mentioned by Hudson or Meyrick.
Note. Walker made the same error as for *externella*.

monastra Meyrick, 1891, p. 100 (*Decadarchis*). Synonymised by Meyrick (1919, p. 353).
Wellington WN, G.V. Hudson; HT ♀ unique, abdomen missing, BMNH.

erebistis Meyrick, 1892, p. 220 (*Erechthias*). Synonymised by Meyrick (1915, p. 223).
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 334, as synonym.

fulguritella Walker, 1863c, p. 548 (*Cerostoma*)
[Nelson NN, T.R. Oxley]; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 336, pl. xxxvi fig. 20; 1950, p. 112.

hemiclistra Meyrick, 1911b, pp. 77–78 (*Decadarchis*)
Makara WN, R.M. Sunley; LT ♀ here designated, labelled "Makara New Zealand RMS bred 11.09", "Erechthias hemiclistra Meyr. 7/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 335, pl. iii fig. 36 and 37, pl. xxxvi fig. 21.

indicans Meyrick, 1923, p. 168 (*Erechthias*)
[Karori], Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 335, pl. xliv fig. 33.

lychnopa Meyrick, 1927a, p. 702 (*Erechthias*)
[Sinclair Head], Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 334, pl. xl fig. 8.

macrozyga Meyrick, 1916b, p. 419 (*Erechthias*)
Tisbury, Invercargill SL, A. Philpott; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 336, pl. xlvi fig. 13.

stilbella Doubleday, 1843, p. 289 (*Argyrotesia*)
[Auckland AK], A. Sinclair; type material not in BMNH, but identity not in doubt; Meyrick specimen 3/14 topotypic, BMNH.
Hudson 1928, p. 336, pl. xxxvi fig. 18.

terminella Walker, 1863c, p. 548 (*Cerostoma*)
[Auckland AK], D. Bolton; LT ♀ here designated, labelled "Cerostoma terminella Wkr Ct. Lep. Het. B.M. 28 p.548 (1863) Type ♂", "New Zeal. 54.4" (lavender, circular label), BMNH. There are 8 PLTs (Walker's specimens b–i).
Hudson 1928, p. 335, pl. xxxiii fig. 21.

? subpavonella Walker, 1864b, p. 898 (*Elachista*). Synonymised by Meyrick (1915, p. 233).
[Auckland AK], A. Sinclair; LT lost, according to H. Durrant, BMNH; Walker's PLT – [Auckland AK], D. Bolton – is also missing.
Note. Meyrick's synonymy was based on his interpretation of Walker's description, and on a ♂ (now lacking the abdomen) labelled "Auckland [Domain] 12.1.80" by Meyrick ("*Erechthias terminella* Wlk 2/6 det. E. Meyrick in Meyrick Coll.") and recorded as *subpavonella* in his Diary of Captures.

Also 2 undescribed species (NZAC).

• ***Eschatotypa*** Meyrick, 1880b, p. 256. Type species *Eschatotypa melichrysa* Meyrick, by original monotypy.

derogatella Walker, 1863c, p. 485 (*?Tinea*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1928, p. 338, pl. xxxvii fig. 1.

halosparta Meyrick, 1919, p. 354 (*Archyala*) **new combination**
Wainuiomata WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 341, pl. xlvii fig. 9.
Note. On external genitalia, colour pattern, and labial palpus *halosparta* is placed in *Eschatotypa*.

melichrysa Meyrick, 1880b, p. 256 (*Eschatotypa*)
Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 4.1.80", "Eschatotypa melichrysa Meyr. 2/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 338, pl. xxxvii fig. 2.

• ***Eugennaea*** Meyrick, 1915b, p. 232. Type species *Decadarchis laquearia* Meyrick, by original monotypy.

laquearia Meyrick, 1914a, p. 113 (*Decadarchis*)
Kaeo ND, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, pp. 333–334, pl. xxxvi fig. 15.

• ***Habrophila*** Meyrick, 1889b, p. 161. Type species *Habrophila compseuta* Meyrick, by original monotypy.

compseuta Meyrick, 1889b, pp. 161–162 (*Habrophila*)
[plateau, 3,700–4,000 ft], Mt Arthur NN, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 340, pl. xl fig. 19.

• ***Lysiphragma*** Meyrick, 1888e, p. 104. Type species *Lysiphragma mixochlora* Meyrick, by subsequent designation (Meyrick 1915b, p. 239).

epixyla Meyrick, 1888e, pp. 105–106 (*Lysiphragma*)
[Lower Hutt] "Wellington" WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 25.1.86", "Lysiphragma epixyla Meyr. 6/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 349, pl. xxxix fig. 10.

howesii Quail, 1901, p. 154 (*Lysiphragma*)
Invercargill SL, W.G. Howes ["in rotten wood, *Plagianthus betulinus*"]; not located.
Hudson 1928, p. 349, pl. xxxix fig. 8.

Note. The ♂ labelled "629c" ("Invercargill, Oct. 1900, G. Howes" in Hudson Register, NMNZ) postdates Quail's paper, delivered 4 July 1900, mentioning adults reared by Howes on and after 21 December 1899.

mixochlora Meyrick, 1888e, p. 105 (*Lysiphragma*)
[Waitakere Range], Auckland AK, E. Meyrick; LT ♂ here designated, labelled "Auckland New Zealand 17.12.85", "Lysiphragma mixochlora Meyr. 2/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 348–349, pl. xxxix fig. 9.

• ***Monopis*** Hübner, 1825, p. 401. Type species *Tinea rusticella* Hübner, 1796.

argillacea Meyrick, 1893, p. 528 (*Blabophanes*)
"Melbourne and Warragul, Victoria; Adelaide, South Australia; four specimens in September and December" (Meyrick 1893, p. 528). ST ♂ labelled "Adelaide S. Australia OBL /91", "Monopis argillacea Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", "Syntype", BMNH.
New Zealand: various localities AK, after 1970, in birds' nests.
Not mentioned by Hudson.

crocicapitella Clemens, 1859, pp. 257 (key) and 258 (description) (*Tinea*)
Cosmopolitan.
New Zealand: widespread, around human habitation.

ferruginella in the sence of Meyrick (1888e, p. 97). Synonymised by Meyrick (1915, p. 238).
Hudson 1928, p. 343, pl. xxxix fig. 22.

dimorphella Dugdale, 1971b, p. 150 (*Monopis*)
Long Island [Big South Cape Island] SI, J.S. Dugdale; HT ♂ designated by Dugdale, NZAC.

ethelella Newman, 1856, p. 288 (*Tinea*)
["Forest Creek, Barker's Creek, and Campbells Creek ... Mt Alexander Range ... about eighty miles from Melbourne" Vict., T.R. Oxley; BMNH.]
New Zealand: widespread, largely rural, ?introduced.
Hudson 1928, p. 343, pl. xxxix fig. 7.

rectella Walker, 1863, p. 482 (*Tinea*). Synonymised by Meyrick (1888, p. 97).
[Tasmania; BMNH.]
Hudson 1928, p. 343, as synyonym.

namuella Felder & Rogenhofer, 1875 (*Blabophanes*). Synonymised by Meyrick (1888, p. 97).
[Nelson NN], T.R. Oxley (1864); HT ♀ unique, BMNH.
Hudson 1928, p. 343, as synonym.

ornithias Meyrick, 1888e, p. 97 (*Blabophanes*)
Christchurch MC, R.W. Fereday; LT ♂ here designated, labelled "Christchurch New Zealand RWF /82", "Monopis ornithias Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 343, pl. xxxvii fig. 25.

typhlopa Meyrick, 1925a, p. 274 (*Monopis*)
Mangere Island, Chatham Islands, S. Lindsay; LT ♀ (identification label in Meyrick's writing), CMNZ.
Hudson 1928, p. 343, not figured.
Note. Meyrick's labelling gives no indication as to which of the two specimens is the HT, so the series is basically syntypic. Lindsay placed the "Type" label on a specimen, so it is the LT.

• ***Nemapogon*** Schrank, 1802, p. 167. Type species *Tinea granella* Linnaeus, by original monotypy.

granella Linnaeus, 1758, p. 357 (*Tinea*)
Cosmopolitan.
New Zealand: adventive, widespread around human habitation.
Hudson 1939, pp. 466–467, pl. lxi fig. 23, as *Tinea granella.*

• ***Niditinea*** Petersen, 1957, p. 134. Type species *Tinea fuscipunctella* Haworth, by original designation.

fuscella Linnaeus, 1758, p. 539 (*Phalaena (Tinea)*)
Europe.
New Zealand: adventive, widespread, in birds' nests.
Hudson 1928, p. 346, pl. xl fig. 4, as *Tinea fuscipunctella.*

fuscipunctella Haworth, 1828, p. 562 (*Tinea*). Synonymised by Robinson & Nielson (1983, p. 238).

• ***Opogona*** Zeller, 1853, p. 507. Type species *Opogona dimidiatella* Zeller, 1853; Java.

Hieroxestis Meyrick, 1893, p. 567. Type species *Hieroxestis omoscopa* Meyrick, by original monotypy. Synonymised by Meyrick (1927, p. 315.)

comptella Walker, 1864b, p. 1007 (*Tinea*)
[Hobart] Tasmania, Smith; HT ♀ unique, BMNH.
New Zealand: adventive (Meyrick 1911b, p. 69).
Hudson 1928, p. 333, pl. xxxiv fig. 7.

omoscopa Meyrick, 1893, p. 567 (*Hieroxestis*)
[Sydney N.S.W., E. Meyrick; LT ♂ designated by Davis (1978, p. 23), BMNH.]
New Zealand: first recorded from Kaeo ND and Thames CL areas (Meyrick 1914a, p. 113), now widespread, ND south to 42°S; an isolated population is in Riccarton Bush MC (C. Muir, pers. comm., 1985).
Hudson 1928, p. 332, pl. xxxvi fig. 11 and 12.
Note. Davis (1978, pp. 13 and 16–23) gives full generic and specific synonymies and world distribution.

• ***Petasactis*** Meyrick, 1915b, p. 234. Type species *Ereunetis technica*, by monotypy (Meyrick 1915, p. 234).

technica Meyrick, 1888e, p. 92 (*Ereunetis*)
Whangarei [Heads] ND, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 337, not figured.

• (***Pringleophaga*** Enderlein, 1905. Type species *Pringleophaga kerguelensis* Enderlein, 1905, by original monotypy.

Antipodesma Salmon & Bradley, 1956, p. 64. Type species *Antipodesma turbotti* Salmon & Bradley, by original designation. Synonymised by Vari (1971, p. 349).
Note. In the absence of precise dating, Vari's publication is regarded as dated "(31 December) 1971". Dugdale's synonymy below, under *Proterodesma*, was published on 10 November 1971. It is probable that neither synonymy reflects the true situation.)

• ***Proterodesma*** Meyrick, 1909b, p. 74. Type species *Proterodesma byrsopola* Meyrick, by original monotypy.

Antipodesma Salmon & Bradley, 1956, p. 64. Type species *Antipodesma turbotti* Salmon & Bradley, by original designation. Synonymised by Dugdale (1971b, p. 152).

byrsopola Meyrick, 1909b, p. 74 (*Proterodesma*)
[Carnley Harbour, Auckland Islands], G.V. Hudson; LT ♀ here designated, labelled "Kermadec Is GVH '08", "Proterodesma byrsopola Meyr. 3/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 348, pl. xxxvii fig. 17 and 18.

mysticopa Meyrick, 1914a, p. 115 (*Tinea*). Synonymised by Dugdale (1971b, p. 153).
Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP 0.10.10", "Tinea mysticopa Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 348, pl. xl fig. 7.

chathamica Dugdale, 1971a, p. 62 (*Proterodesma*)
Chatham Island, J.S. Dugdale; HT ♂ designated by Dugdale, NZAC.

turbotti Salmon & Bradley, 1956, p. 65 (*Antipodesma*)
Ringdove Bay, Antipodes Island, E.G. Turbott; HT ♂ designated by Salmon & Bradley, AMNZ.

• ***Prothinodes*** Meyrick, 1914a, p. 116. Type species *Prothinodes lutata* Meyrick, by original designation.

grammocosma Meyrick, 1888e, pp. 98–99 (*Tinea*)
Nelson NN, E. Meyrick; LT ♂ here designated, labelled "Nelson New Zealand 22.1.86", "Prothinodes grammocosma Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 347, pl. xxxix fig. 5.

lutata Meyrick, 1914a, pp. 116–117 (*Prothinodes*)
Kaeo ND, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, pp. 347–348, pl. xxxix fig. 4.

• ***Sagephora*** Meyrick, 1888e, pp. 95–96. Type species *Sagephora phortegella* Meyrick, by original monotypy.

exsanguis Philpott, 1918, p. 131 (*Sagephora*)
Bluff SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 342, pl. xl fig. 18.

felix Meyrick, 1914a, p. 114 (*Sagephora*)
Kaeo ND, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 342, pl. xxxvii fig. 14.

jocularis Philpott, 1926a, p. 398 (*Sagephora*)
Tisbury, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 342, pl. lii fig. 33.

phortegella Meyrick, 1888e, p. 96 (*Sagephora*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 29.8.82", "Sagephora phortegella Meyr. 7/11 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 342, pl. xxxvii fig. 20 and 21.

steropastis Meyrick, 1891, p. 100 (*Sagephora*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 342, pl. xxxvii fig. 15.

subcarinata Meyrick, 1931a, pp. 96–97 (*Sagephora*)
[Gollan's Valley], Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 465, pl. lviii fig. 11.

• ***Lindera*** Blanchard, 1852, p. 105. Type species *Lindera tessellatella* Blanchard, by original monotypy; Chile.
Note. The synonymy with *Setomorpha* Zeller, 1852, p. 94 (type species *S. rutella* Zeller) by Gozmany & Vari (1973, p. 82) is not recognised by most workers.

tessellatella Blanchard, 1852, p. 106 (*Lindera*)
Cosmopolitan.
New Zealand: adventive, widespread, around human habitation.
Hudson 1928, p. 350, pl. l fig. 24.
Note. Philpott (1924a, p. 214) gives early records.

• ***Tephrosaria*** Meyrick, 1915b, p. 234. Type species *Erechthias cimmeria* Meyrick, by monotypy.

cimmeria Meyrick, 1914a, pp. 113–114 (*Erechthias*)
Waitakere AK, G.V. Hudson; LT ♂ here designated, labelled "Waitakere New Zealand GVH 1.13", "Tephrosaria cimmeria Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 337, pl. xxxvi fig. 27.

• ***Thallostoma*** Meyrick, 1913a, pp. 28–29. Type species *Thallostoma eurygrapha* Meyrick, by monotypy.

eurygrapha Meyrick, 1913a, p. 29 (*Thallostoma*)
Wadestown, Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wadestown New Zealand GVH 11.96", "Thallostoma eurygrapha Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 342, pl. xxxix fig. 3.

• ***Tinea*** Linnaeus, 1758, p. 534. Type species *Tinea pellionella* Linnaeus, by subsequent designation (ICZN 1957, *Opin. decl. Int. Comm. Zool. Nom. 1*, p. 254).

dubiella Stainton, 1859, p. 183 (*Tinea*)
See Robinson (1979, pp. 88 and 90–91) for full synonymy and details of biology.
New Zealand: adventive, widespread, around human habitation.

turicensis Müller-Ratz, 1920, p. 348 (*Tinea*). Synonymised by Robinson (1979, p. 88).

pallescentella Stainton, 1851, p. 2 (*Tinea*)
See Petersen (1969, pp. 374–375) for synonymy and biology.
New Zealand: adventive, widespread, around human habitation.
Not mentioned by Hudson.

pellionella Linnaeus, 1758, p. 536 (*Phalaena* (*Tinea*))
See Robinson (1979, pp. 72–74 and 76–77) for full synonymy and details of biology.
New Zealand: adventive, widespread, around human habitation.
Hudson 1939, p. 467, pl. lxi fig. 22.

• ***Tinea*** in the sense of Meyrick (1915, p. 238)

accusatrix Meyrick, 1916b, p. 419 (*Tinea*)
[Kaitoke], Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH .15", "Tinea accusatrix Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 345, pl. xlvii fig. 2.

aetherea Clarke, 1926, p. 421 (*Tinea*)
Arthur's Pass NC/WD, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, p. 346, pl. lii fig. 13.

argodelta Meyrick, 1915a, p. 204 (*Tinea*)
Bluff SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 346, pl. xxxvii fig. 9

astraea Meyrick, 1911b, p. 68 (*Tinea*)
[West Plains (Meyrick 1911, p. 68) or Otatara (Hudson 1928, p. 345)], Invercargill SL, A. Philpott; HT ♀ unique, BMNH.
Hudson 1928, p. 345, but pl. xxxvii fig. 13 is not *T. astraea.*

cymodoce Meyrick, 1924a, p. 206 (*Tinea*). **New synonymy.**
Mt Arthur NN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 345, pl. xlvii fig. 13.

aerata Philpott, 1930b, p. 15 (*Tinea*). Synonymised by Hudson (1939, p. 465).
Tongariro National Park TO, C.E. Clarke; HT ♀ designated by Philpott, AMNZ.
Hudson 1939, p. 465, pl. lii fig. 22.
Note. The HT locality label reads "Tongariro, 16.1.30, A. Philpott".

atmogramma Meyrick, 1927b, p. 316 (*Tinea*)
Arthur's Pass NC/WD, G.V. Hudson; LT ♀ here designated, labelled "Arthurs Pass New Zealand GVH 3000′ 1.27", "Tinea atmogramma Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1939, p. 466, pl. li fig. 17 and 18.

belonota Meyrick, 1888e, p. 99 (*Tinea*)
Palmerston North WI/WN, E. Meyrick; HT unique, not found in BMNH (label should read "Palmerston New Zealand 4/3/83" in Meyrick's writing; based on the entry in Meyrick's Diary of Captures).
Hudson 1928, p. 347; 1939, p. 466, pl. lx fig. 12 (specimen from a series checked by Meyrick, from Pohangina WI, close to Palmerston North).

zephyrana Clarke, 1926, p. 419 (*Gymnobathra*). Synonymised by Philpott (1931, p. 35).
Whangarei ND, C.E. Clarke; HT ♂ unique, AMNZ.
Not mentioned by Hudson.

conferta Meyrick, 1914a, pp. 115–116 (*Tinea*)
Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 1.1.80", "Tinea conferta Meyr. 4/15 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 346, pl. xxxix fig. 13.

conspecta Philpott, 1931, p. 35 (*Tinea*)
The Domain, Auckland AK, A. Philpott; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 466, not figured.

dicharacta (not of Meyrick, 1893, p. 536) Meyrick, 1911b, p. 78 (*Tinea*)

[True *T. dicharacta* from Sydney, N.S.W., E. Meyrick; HT ♂ unique, BMNH.]
Hudson 1928, p. 346, pl. xxxvii fig. 8.
Note. The New Zealand specimen differs in forewing pattern and in antennal characters.

dividua Philpott, 1928a, p. 370 (*Tinea*)
Flora River NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 466, pl. lx fig. 9.

fagicola Meyrick, 1921, p. 336 (*Tinea*)
[Day's Bay], Wellington, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 2.19.", "Tinea fagicola Meyr. 1/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 345, pl. xlvi fig. 15.

furcillata Philpott, 1930b, p. 15 (*Tinea*)
Anderson's Bay, Dunedin DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 465, pl. lxi fig. 20.
Note. The HT lacks the left forewing.

margaritis Meyrick, 1914a, p. 116 (*Tinea*)
Tisbury, Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Tisbury New Zealand AP 19.12.11", "Tinea margaritis Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 344, pl. xxxvii fig. 26.

mochlota Meyrick, 1888e, p. 100 (*Tinea*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 13/1/83", "Tinea mochlota Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 346, pl. xxxix fig. 4.

munita Meyrick, 1932, p. 24 (*Tinea*)
[Wilton's Bush], Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 466, pl. lx fig. 13.

sphenocosma Meyrick, 1919, pp. 353–354 (*Tinea*)
Wellington WN, G.V. Hudson; HT ♀ unique, not in BMNH.
Hudson 1939, p. 345, pl. xxxvii fig. 24.

texta Meyrick, 1931a, p. 97 (*Tinea*)
Whangarei ND, S.C. Patterson; HT ♀ unique, not in BMNH.
Hudson 1939, p. 465, pl. lxi fig. 21 (specimen from Wellington WN).

Also 3 undescribed species (NZAC), one of them adventive.

• ***Tineola*** Herrich-Schaeffer, 1853, p. 23. Type species *Tineola bisselliella* Hummel, by original monotypy.

bisselliella Hummel, 1823, pp. 6–13 (*Tinea*)
Cosmopolitan.
New Zealand: adventive, widespread, around human habitation.
Hudson 1928, p. 344, pl. xlvi fig. 9, as *biselliella.*

• ***Trichophaga*** Ragonot, 1894, p. 123. Type species *Trichophaga coprobiella* Ragonot, by original designation.

tapetzella Linnaeus, 1758, p. 536 (*Tinea*)
Cosmopolitan.
New Zealand: adventive, widespread, around human habitation.
Hudson 1928, p. 343, pl. xxxix fig. 12, as *tapetiella.*

• ***Trithamnora*** Meyrick, 1913a, p. 29. Type species *Trithamnora improba* Meyrick, by original monotypy.

certella Walker, 1863c, p. 484 (*Tinea*)
[Auckland AK], ?D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 348, pl. xlvi fig. 15 and 16.

improba Meyrick, 1913a, p. 29 (*Trithamnora*). Synonymised by Meyrick (1915, p. 239).
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 12.11", "Trithamnora certella Meyr. 1/14 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 348, as synonym.

Family PSYCHIDAE
Subfamily PSYCHINAE
(in the sense of Kozhanchikov 1956)

Psychidae: Psychinae
(144) *Orophora unicolor* (Butler), ♂

• ***Liothula*** Fereday, 1878b, p. 260. Type species *Liothula omnivora* Fereday, by original monotypy.

omnivora Fereday, 1878b, p. 260 (*Liothula*)
Christchurch MC, R.W. Fereday; 10 ♂ STs, CMNZ.
Hudson 1928, pp. 212–214, pl. xliv fig. 14, as *Oiceticus omnivorus*.

• ***Orophora*** Fereday, 1878b, p. 261. Type species *Orophora toumatou* Fereday, by original designation.

unicolor Butler, 1877, p. 381 (*Psyche*)
[?Castle Hill MC], J.D. Enys; HT ♂ unique, BMNH.
Hudson 1928, p. 214, pl. xliv fig. 9.

toumatou Fereday, 1878b, p. 262 (*Orophora*). Synonymised by Meyrick (1890, p. 212).
[Rakaia and Waimakariri riverbeds] MC, R.W. Fereday; 3 ♂ STs, CMNZ.
Hudson 1928, p. 214, as synonym.
Note. A single specimen labelled "Meserala seelandica Gn" from "Nouvelle Zealande", collected by R.W. Fereday and representing a manuscript name, is in BMNH. It agrees well with *O. unicolor*.

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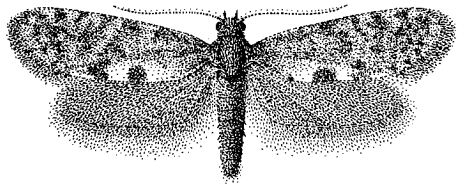
Subfamily PSYCHEODINAE
(in the sense of Kozhanchikov 1956)



Psychidae: Psycheodinae
(145) *Mallobathra perisseuta* Meyrick

• ***Cebysa*** Walker, 1854, p. 486. Type species *Cebysa leucotelus* Walker, by original monotypy.

leucotelus Walker, 1854, p. 486 (*Cebysa*)
"Sydney. From the collection of the Paris Museum"; HT ♀ unique, BMNH.
Australian.
New Zealand: adventive, Mt Albert AK.

• ***Grypotheca*** Dugdale, 1987b, p. 107. Type species *Grypotheca pertinax* Dugdale, by original designation.

horningae Dugdale, 1987b, p. 110 (*Grypotheca*)
The Snares islands, C.J. Horning; HT ♂ designated by Dugdale, NZAC.

gen. et sp. indet. Dugdale 1971, pp. 143–144.

pertinax Dugdale, 1987b, p. 109 (*Grypotheca*)
Riccarton Bush MC, J.S. Dugdale; HT ♂ designated by Dugdale, NZAC.

triangularis Philpott, 1930b, p. 16 (*Talaeporia*) **new combination**
Hump Ridge FD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, pp. 467–468, pl. lxi fig. 5.

Also 3 undescribed species (NZAC; B. Patrick Collection, Dunedin).

• ***Mallobathra*** Meyrick, 1888e, p. 102. Type species *Mallobathra crataea* Meyrick, by subsequent designation (Meyrick 1915b, p. 240).

abyssina Clarke, 1934, p. 15 (*Sabatinca*) **new combination**
Franz Josef WD, C.E. Clarke; HT ♂ unique, AMNZ.
Hudson 1939, p. 471, not figured.

angusta Philpott, 1928g, p. 498 (*Mallobathra*)
Flora River [Mt Arthur Tableland] NN, A. Philpott; HT ♂ designated by Philpott, unique, NZAC.
Hudson 1939, p. 469, pl. lxi fig. 4.

aphrosticha Meyrick, 1912c, p. 123 (as *Taleporia aphrostcha*; misspelling)
Hump Ridge FD, A. Philpott; LT ♂ here designated, labelled "Talaeporia aphrosticha Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 350, pl. xxxix fig. 7.
Note. Meyrick (1912, p. 123) mentions a pair. It is possible that the ♀ in NZAC collected at the same time as the HT is a specimen returned by Meyrick. The specimen bears a label in Meyrick's writing "*aphrosticha*", indicating Meyrick's intended spelling.

campbellica Dugdale, 1971b, p. 139 (*Mallobathra*)
Beeman Camp, Campbell Island, G. Kuschel; HT ♀ unique, NZAC.

cana Philpott, 1927d, pp. 89–90 (*Mallobathra*)
Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 469, pl. lxi fig. 2.

cataclysma Clarke, 1934, p. 15 (*Mallobathra*)
[bushline] near Harris Saddle FD/OL, C.E. Clarke; HT ♀ unique, AMNZ.
Hudson 1939, p. 468, as a synonym of *lapidosa* Meyrick.

crataea Meyrick, 1888e, p. 102 (*Mallobathra*)
Mt Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 16/1/86", "Mallobathra crataea Meyr. 4/17 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 352, pl. xl fig. 2 (based on WN specimens).

fenwicki Philpott, 1924a, p. 214 (*Mallobathra*)
Mt Ruapehu TO, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 352, as synonym of *crataea* Meyrick.

homalopa Meyrick, 1891, pp. 100–101 (*Mallobathra*).
Wellington WN, G.V. Hudson; HT ♂ unique, not in BMNH.
Hudson 1928, p. 353, pl. xxxix fig. 12.
Note. A topotypic specimen collected at Wellington "xi–xii 1890, G.V. Hudson", no. 1387, ex Walsingham Collection, would be suitable if a NT were deemed necessary.

lapidosa Meyrick, 1914a, p. 117 (*Mallobathra*)
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH bred 1.13", "Mallobathra lapidosa Meyr. 2/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 352, pl. xxxix fig. 15 and 16.

memotuina Clarke, 1934, p. 14 (*Mallobathra*)
Anderson's Bay DN, C.E. Clarke; HT ♂ designated by Clarke, not in AMNZ.
Hudson 1939, p. 469, pl. lxi fig. 2.
Note. None of the 3 ♀♀ (2 without abdomen) can be the holotype, since none were collected in 1928 or 1929. All bear the label "Allotype ♀ 1932".

metrosema Meyrick, 1888e, p. 103 (*Mallobathra*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 22/9/82", "Mallobathra metrosema Meyr. 1/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 352, pl. xlvi fig. 5.

obscura Philpott, 1928a, p. 370 (*Mallobathra*)
West Plains, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 469, not figured.

perisseuta Meyrick, 1920a, p. 32 (*Mallobathra*)
Dunedin DN, [C.E. Clarke] G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 353, pl. xlvii fig. 15.

petrodoxa Meyrick, 1923, p. 169 (*Narycia*) **new combination**
Otira Gorge WD, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 354, pl. xlix fig. 26.
Note. This may prove to be the ♀ of a described species known only from the ♂.

scoriota Meyrick, 1909a, p. 16 (*Mallobathra*)
[?Invercargill SL or ?Dunedin DN, W.G. Howes or A. Philpott]; LT ♂ here designated, labelled "Wellington New Zealand GVH 07", "Mallobathra scoriota Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 353 "I am unable to identify this species", not figured.

globulosa Meyrick 1914a, p. 117 (*Mallobathra*). Synonymised by Meyrick (1919, p. 354).
West Plains SL, [A. Philpott]; LT ♂ here designated, labelled "West Plains New Zealand GVH 27.8.08", "Mallobathra scoriota Meyr. 3/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 353 "... discovered by Mr Philpott near Invercargill", pl. xxxix fig. 11.
Note. It is possible that Meyrick received a packet of moths collected by Mr George Howes of Dunedin DN. It is also possible that he confused these with ones from Hudson, and with Philpott material (cf. *Proditrix megalynta* Meyrick, Yponomeutidae).

strigulata Philpott, 1924a, p. 214 (*Mallobathra*)
Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 352, as synonym of *crataea*; 1939, p. 468, as species.

subalpina Philpott, 1930a, p. 250 (*Mallobathra*)
Red Lake, Mt Sebastopol MK, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 468, pl. lx fig. 11.

tonnoiri Philpott, 1927d, p. 90 (*Mallobathra*)
"Lake Moana" [Lake Brunner] BR, A. Tonnoir; HT ♂ unique, CMNZ.

Also 1 undescribed species (NZAC).

• ***Reductoderces*** Salmon & Bradley, 1956, p. 69, in the sense of Dugdale (1971b, p. 141). Type species *Reductoderces fuscoflava* Salmon & Bradley, by original designation.

araneosa Meyrick, 1914a, p. 117 (*Mallobathra*)
Ben Lomond OL, A. Philpott; LT ♂ here designated, labelled "Ben Lomond New Zealand AP 25.11.12", "Mallobathra arenosa 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 351, pl. xxxix fig. 6.

aucklandica Dugdale, 1971b, p. 141 (*Reductoderces*)
Camp Cove, Auckland Island, P.M. Johns; HT ♂ designated by Dugdale, NZAC.

cawthronella Philpott, 1921, p. 341 (*Taleporia*)
[Botanical Hill], Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 351, pl. xlviii fig. 9.

fuscoflava Salmon & Bradley, 1956, p. 70 (*Reductoderces*)
Campbell Island, J.R. Sorensen; HT ♂ designated by Salmon & Bradley, NMNZ.

illustris Philpott, 1917b, p. 245 (*Mallobathra*)
Hump Ridge [The Hump] FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 352, pl. xlvi fig. 17.

microphanes Meyrick, 1888e, p. 103 (*Mallobathra*)
[Riccarton Bush], Christchurch MC, E. Meyrick; HT ♂ unique, BMNH.
Note. Not as described or depicted in Hudson 1928, p. 351, pl. xxvii fig. 10 and pl. iii fig. 12. Hudson's treatment refers to an unnamed species.

fragilis Philpott, 1927a, p. 708 (*Mallobathra*). **New synonymy.**
Riccarton Bush, Christchurch MC, S. Lindsay; HT ♂ designated by Philpott, right forewing missing, CMNZ. HT *fragilis* agrees well in structural and pattern characters with HT *microphanes*.
Note. Not as described or depicted in Hudson 1928, p. 352, pl. lii fig. 6, as species. Philpott's PT material from Riccarton Bush includes three species; Hudson's illustration is of an unnamed species.

Also 5 undescribed species (NZAC).

• ***Rhathamictis*** Meyrick, 1924b, p. 662. Type species *Mallobathra perspera* Meyrick, by original monotypy.

nocturna Clarke, 1926, p. 421 (*Mallobathra*) **new combination**
Kauri Gully, Northcote AK, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Not mentioned by Hudson.

perspera Meyrick, 1924b, p. 662 (*Rhathamictis*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 344, pl. xl fig. 16; 1950, p. 113, pl. iv fig. 7.

Also 1 undescribed species (NZAC).

• ***Scoriodyta*** Meyrick, 1888e, p. 101. Type species *Scoriodyta conisalia* Meyrick, by original monotypy. Note. Dalla Torre & Strand (1929, p. 19) list this genus as *Scoriodytes* and ascribe it to Walsingham.

conisalia Meyrick, 1888e, p. 102 (*Scoriodyta*)
Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 1/1/80", "Scoriodyta conisalia Meyr. 2/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 354, pl. xxxvii fig. 11 and 12.
Also 5 undescribed species (1 NZAC, 4 Hättenschwiler Collection, Uster, Switzerland).

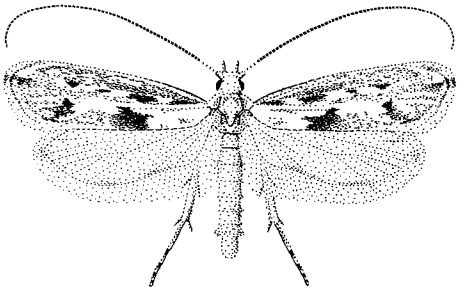
• Genus near *Alytopistis* Meyrick, 1920b, p. 322

Two undescribed species (NZAC; adventive, ?Australian).

• Genus indeterminate

One undetermined species (NZAC; adventive, origin obscure, possibly Taiwan).

Family ROESLERSTAMMIIDAE
(in the sense of Kyrki 1983)



Roeslerstammiidae
(146) *Dolichernis chloroleuca* Meyrick

• ***Dolichernis*** Meyrick, 1891, p. 99. Type species *Dolichernis chloroleuca* Meyrick, by original monotypy.

chloroleuca Meyrick, 1891, p. 99 (*Dolichernis*)
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 325, pl. xxxvi fig. 2.

• ***Vanicela*** Walker, 1864, p. 1039. Type species *Vanicela disjunctella* Walker, by original monotypy.
Note. This genus is removed from Heliodinidae in the sense of Meyrick (1913c, pp. 10–11; 1922c, pp. 1–4) and from Stathmopodidae in the sense of Common (1970, p. 818). It shares characters of larval structure and biology with Roeslerstammiidae (Dugdale, in prep.).

disjunctella Walker, 1864b, p. 1039 (*Vanicela*)
Auckland AK, D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 298, pl. xxxii fig. 28.

? frontella Walker, 1864b, pp. 856–857 (*Gracilaria*)
[Auckland], "New Zealand", D. Bolton; HT (?gender) unique, not in BMNH.
Note. No material collected by Bolton (i.e., bearing accession label 54.4) was found other than the HT of *disjunctella*.

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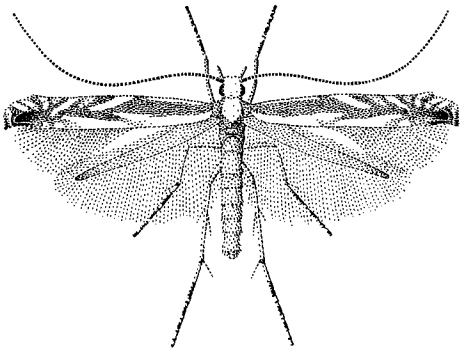
Family GRACILLARIIDAE



Gracillariidae
(147) *Acrocercops leucocyma* (Meyrick)

Vari (1961) has restricted several genera previously used in a broad sense by Meyrick, and reinstated others. Where these latter apply to New Zealand, they are used here.

• ***Acrocercops*** in the sense of Vari (1961, pp. 146–147)
Note. Most species listed below are under *Parectopa* in Hudson (1928, 1939), but Vari (1961, pp. xii and 55–56) restricted *Parectopa* to Holarctic species which in genital characteristics do not resemble New Zealand species. As with South African species, New Zealand species "might have to be transferred to other genera when ... more data on relationship become known" (Vari 1961, p. 147).

aellomacha Meyrick, 1880a, p. 158 (*Gracilaria*)
[Botanic Gardens and forest], Wellington WN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, pp. 322–323, pl. xxxv fig. 4.

aethalota Meyrick, 1880a, pp. 143–144 (*Gracilaria*)
["reserved bush and forest"], Dunedin DN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 322, pl. xlvi fig. 11.
Note. Mr B. Patrick has rediscovered this species in Woodhaugh Gardens, Dunedin DN, on *Parsonsia* (Apocynaceae).

alysidota Meyrick, 1880a, p. 161 (*Gracilaria*)
Sydney N.S.W., E. Meyrick; LT ♂ here designated, labelled "Sydney N.S. Wales 25/10/79", "Acrocercops alysidota Meyr. 12/6 E. Meyrick det. in Meyrick Coll.", BMNH.

citharoda Meyrick, 1916b, p. 418 (*Parectopa*). **New synonymy.**
Wanganui WI, G.V. Hudson [M.N. Watt]; HT ♀ unique, BMNH.
Hudson 1928, p. 322, pl. xxxv fig. 15.

eumetalla Meyrick, 1880a, p. 160 (*Gracilaria*)
Brisbane Qld, E. Meyrick; LT ♂ here designated, labelled "Brisbane Queensland 29/9/79", "Acrocercops eumetalla Meyr. 6/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Note. Larvae live in galls on *Acacia*. Specimens from New Zealand and Toowoomba (Qld) lack the oblique white mark at one-quarter on the forewing dorsum.

leucocyma Meyrick, 1889b, p. 184 (*Gracilaria*)
[Waitakere Range], "Auckland" AK, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 322, not figured. See Wise (1962, pl. 1).

panacicorticis Watt, 1920, p. 457, pl. 30 fig. 5 (*Parectopa*)
Mt Egmont TK, M.N. Watt; LT ♀ here designated, labelled "Egmont corticella", "Morris N. Watt Coll.", abdomen missing, NMNZ.
Hudson 1928, p. 322, as synonym of *Parectopa aethalota*.
Note. The LT is the moth figured by Watt (1920, pl. 30 fig. 5).

panacifinens Watt, 1920, p. 460 (*Parectopa*)
[Dunedin DN], M.N. Watt; LT ♀ here designated, labelled "M & C", "6", NMNZ.
Hudson 1928, p. 322, as synonym of *Parectopa aellomacha*.
Note. "M & C" denotes marginal and central [Panax moth]. LT is the specimen illustrated by Watt (1920, pl. 30 fig. 6); it agrees with Dunedin DN specimens in its brownish coloration and small, white forewing maculation. The 2 Egmont TK specimens are paler, with larger white areas on the forewing.

panacitorsens Watt, 1920, p. 449 (*Parectopa*)
[Flagstaff DN], M.N. Watt; LT ♀ here designated, labelled "g", "Giant under", "Morris N. Watt Collection", NMNZ.
Hudson 1928, p. 322, as synonym of *Parectopa aellomacha*.
Note. "Giant under" denotes giant mines on underside of *Panax* leaf. LT is the moth illustrated by Watt (1920, pl. 30 fig. 3).

panacivagans Watt, 1920, pp. 464–465 (*Parectopa*)
Aberfeldy WI, M.N. Watt; HT ♀ unique, not located in Hudson Collection, NMNZ.
Hudson 1928, p. 322, pl. xlvii fig. 8, as species.
Note. The PT ♀ labelled "Lancewood Aberfeldy, 25/1/20" in NMNZ is not the moth figured by Watt (1920, pl. 30 fig. 10).

panacivermiformis Watt, 1920, pp. 452–453 (*Parectopa*)
Mt Egmont TK, M.N. Watt; LT ♀ here designated, labelled "Egmont vermiformis", "Morris N. Watt Collection", NMNZ.
Hudson 1928, p. 322, as synonym of *Parectopa aellomacha*.
Note. The LT is the moth illustrated by Watt (1920, pl. 30 fig. 4).

zorionella Hudson, 1918, p. 62 (*Parectopa*)
Botanical Gardens, Wellington WN, G.V. Hudson; LT ♂ labelled "861a", "Lectotype ♂ Parectopa zorionella Hudson 861a", Hudson Collection, NMNZ.
Hudson 1928, pp. 321–322, pl. xxxv fig. 5.

Also 1 undescribed species (NZAC).

• ***Caloptilia*** in the sense of Vari (1961, pp. xi–xii and 3)

Note. All New Zealand species with larvae that spin leaves into a pouch are placed here.

azaleella Brants, 1913, p. lxxii (*Gracilaria*)
[Ex *Azalaea indica* from Japan, Booskop, Netherlands.]
New Zealand: adventive, widespread on *Rhododendron* subg. *Azalea*.
Not mentioned by Hudson.

chalcodelta Meyrick, 1889b, p. 183 (*Gracilaria*) **new combination**
Masterton WA, E. Meyrick; LT ♀ here designated, labelled "Masterton New Zealand 11/3/83", "Gracilaria chalcodelta Meyr. 2/17 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 324, pl. xxxv fig. 7.

chrysitis Felder & Rogenhofer, 1875, pl. cxl fig. 143 (*Gracilaria*) **new combination**
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 324, pl. xxxv fig. 10.

rutilans Butler, 1880, p. 561 (*Gracilaria*). Synonymised by Meyrick (1889b, p. 183).
[forests north of] Blenheim MB, W. Skellon; HT ♂ unique, BMNH.
Hudson 1928, p. 324, as synonym.

adelina Meyrick, 1880a, p. 142 (*Gracilaria*). Synonymised by Meyrick (1889b, p. 183).
Hamilton WO, E. Meyrick; LT ♂ selected by P.A. Brown, labelled "Hamilton New Zealand 18/1/80", "Gracilaria chrysitis Feld. 10/17 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 324, as synonym.

purpurea Philpott, 1927d, p. 89 (*Gracilaria*). **New synonymy.**
West Plains [Invercargill] SL, A. Philpott; HT ♂ designated by Philpott, abdomen missing, NZAC.
Hudson 1939, p. 461, pl. lxviii fig. 6.

elaeas Meyrick, 1911b, p. 66 (*Gracilaria*) **new combination**
Castle Hill [homestead] MC, E. Meyrick; LT ♂ here designated, labelled "Castle Hill New Zealand bred 16/2/83", "Gracilaria elaeas Meyrick 3/14 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 323, pl. xxxv fig. 3.
Note. Butler (1877, pl. xliii fig. 16) illustrates a ♀ of this species (cf. *linearis*, below). On 16 February 1883 Meyrick collected at around 2500 ft, i.e., about the altitude of the station homestead, but it is not known from what species of *Coriaria* (Coriariaceae) he collected his *C. elaeas* larvae. The status of *C. elaeas* and *C. linearis* (Butler) requires closer examination. My observations suggest that *C. elaeas* is on summer-green *Coriaria* species, and *C. linearis* on evergreen or arborescent *Coriaria* species.

linearis Butler, 1877, p. 406 (*Gracilaria*) **new combination**
[Canterbury or Otago], J. Hector; HT ♀ ("Type" in Butler's handwriting), abdomen missing, BMNH.
Hudson 1928, p. 323, pl. xxxv fig. 6.
Note. See note under *elaeas*, above. Hector's collection, though sent from Dunedin, was recorded in the BMNH accession book as largely collected by J.D. Enys.

selenitis Meyrick, 1909a, p. 15 (*Gracilaria*) **new combination**
Mt Holdsworth WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 324, pl. xxxv fig. 1.

Also 1 undescribed species (NZAC).

• ***Conopomorpha*** Meyrick, 1885i, p. 592; 1886b, p. 183. Type species *Conopomorpha cyanospila* Meyrick, by original monotypy.

cyanospila Meyrick, §1885i, p. 592; 1886b, p. 183 (*Conopomorpha*)
"Taranaki" [New Plymouth] TK, E. Meyrick; LT ♀ here designated, labelled "Taranaki New Zealand 28/2/82", "Acrocercops cyanospila Meyr. 2/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 321, pl. xxxv fig. 14.
Note. *Conopomorpha* was reinstated by Vari (1961, p. 102). "Taranaki" or "Taranaki Roadstead" is an early name for the port of New Plymouth.

• ***Lithocolletis*** of authors, but not of Hübner (1825).

hardenbergiella Wise, 1957, p. 26 (*Lithocolletis*)
Epsom AK, K.A.J. Wise; HT ♂ designated by Wise, NZAC.
Note. Adventive; the host plant is Australian. The colony known to Wise has been destroyed, and I have been unable to locate others.

• ***Macarostola*** Meyrick, 1907, p. 62. Type species *Gracilaria formosa* Stainton, 1862, by original designation; Australia.
Note. Kumata (1977, pp. 34–36) lists all known species of *Macarostola*.

miniella Felder & Rogenhofer, 1875, pl. cxl fig. 42 (?*Stathmopoda*) **new combination**
[?Auckland AK, A. Sinclair], "N. Seeld"; HT ♂ unique, BMNH.
Hudson 1928, p. 323, pl. xxxv fig. 8 and 9.

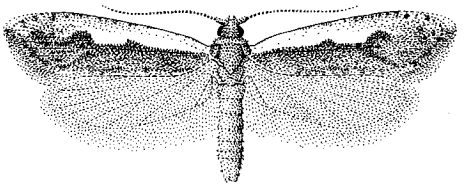
ethela Meyrick, 1880a, pp. 152–153 (*Gracilaria*). Synonymised by Meyrick (1889, p. 185).
[Hamilton WO], E. Meyrick; LT ♂ selected by P.A. Brown and here designated, labelled "Taranaki New Zealand 18.1.80", "Lectotype teste P.A. Brown", BMNH.
Hudson 1928, p. 323, as synonym.
Note. Meyrick's Diary of Captures records that he collected at Hamilton on 18 January 1880.

• ***Phyllonorycter*** Hübner, 1822, pp. 66–74 and 76–80. Type species *Phalaena* (*Tinea*) *rajella* Linnaeus, 1758, by subsequent designation (Fletcher 1928, p. 176); Europe.

messaniella Zeller, 1846, p. 221 (*Lithocolletis*)
Europe.
New Zealand: adventive; widespread, on *Quercus* and *Fagus*.

Superfamily YPONOMEUTOIDEA
(in the sense of Kyrki 1984)

Family YPONOMEUTIDAE
(in the sense of Moriuti 1977, pp. 16 and 25–38)



Yponomeutidae
(148) *Orthenches disparilis* Philpott

Note. No attempt is made to assign New Zealand genera to the subfamilial or tribal classification of Moriuti (1977, pp. 28–37), nor to the generic groups delimited by Kyrki (1984).

• ***Cadmogenes*** Meyrick, 1923, pp. 167–168. Type species *Cadmogenes literata* Meyrick, 1923, by original monotypy.

literata Meyrick, 1923, p. 168 (*Cadmogenes*)
Kauri Gully, Birkenhead AK, G.V. Hudson; LT ♂ here designated, labelled "Kauri Gy 27.1.21", "Cadmogenes literata Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", head and abdomen missing, left forewing and hindwing in gelatin capsule, BMNH.
Hudson 1928, pp. 327–328, pl. xlix fig. 11.
Note. *Cadmogenes literata* is univoltine on flowers of *Ackama* and *Weinmannia* (Cunoniaceae). The description mentions a specimen each from Silverstream (Hutt Valley WN), where *Weinmannia* is abundant, and Kauri Gully; the Silverstream specimen is missing from Meyrick's collection. At Kauri Gully *Weinmannia* is now a rare tree. The venation of the LT agrees with that of specimens reared from *Weinmannia* inflorescences.

• ***Charixena*** Meyrick, 1921, p. 335, new name for *Philpottia* Meyrick, 1916b, p. 416, preoccupied by *Philpottia* Broun, 1915 (Coleoptera). Type species *Philpottia iridoxa* Meyrick, 1916, by original monotypy.

iridoxa Meyrick, 1916b, p. 417 (*Philpottia*)
Mount Burns, [Hunter Mountains] FD, A. Philpott; LT ♀ here designated, labelled "Mt Burns New Zealand AP 29.12.14", "Charixena iridoxa Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 317, pl. xxxvii fig. 16, in "Glyphipterigides".

• ***Doxophyrtis*** Meyrick, 1914a, p. 112. Type species *Doxophyrtis hydrocosma* Meyrick, by original monotypy.

hydrocosma Meyrick, 1914a, p. 113 (*Doxophyrtis*)
Kaeo ND, G.V. Hudson; LT ♂ here designated, labelled "Kaeo New Zealand G.V.H. 1.13", "Doxophyrtis hydrocosma Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 325, pl. xxxiv fig. 15.

• ***Hierodoris*** of authors, but not Meyrick (1912d, p. 42)

stellata Philpott, 1918, pp. 129–130 (*?Hierodoris*)
Blue Cliff [Te Waewae Bay] FD, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 305, pl. xxxviii fig. 21, in "Glyphipterygides".

• ***Kessleria*** Nowicki, 1864, p. 12, in the sense of Moriuti (1977, p. 207). Type species *Kessleria zimmermanni* Nowicki, 1864, as reported by Moriuti (1977, p. 207).

Circostola Meyrick, 1889b, p. 163. Type species *Circostola copidota* Meyrick, by original monotypy. Synonymised by Moriuti (1977, p. 207).
Note. Moriuti (1977, p. 207) gives full synonymy.

copidota Meyrick, 1889b, p. 163 (*Circostola*)
[Otira Gorge, 1,600 ft], Otira River WD, E. Meyrick; LT ♂ designated by Moriuti (1977, p. 208), BM genitalia slide no. 19506, BMNH.
Hudson 1928, p. 320, pl. xxxv fig. 11.

• ***Orthenches*** Meyrick, §1885i, p. 591; 1886b, pp. 173 (key) and 175. Type species *Orthenches chlorocoma* Meyrick, by subsequent designation (Meyrick 1915b, p. 230).

chartularia Meyrick, 1924a, pp. 205–206 (*Orthenches*)
Mount Ruapehu TO, 4,000 ft, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 328, pl. 1 fig. 25.

nivalis Philpott, 1927d, p. 89 (*Orthenches*). Synonymised by Philpott (1931, p. 34).
Arthur's Pass NC/WD, A. Philpott; HT ♀ designated by Philpott, NZAC.

chlorocoma Meyrick, §1885i, p. 591, as *chlorocroma*; 1886b, pp. 175–176, as *chlorocoma*
Christchurch MC, E. Meyrick; HT ♂ unique, labelled "chlorocoma Meyr." in Meyrick's handwriting, BMNH.
Hudson 1928, pp. 329–330, pl. xxxviii fig. 9.

dictyarcha Meyrick, 1927b, p. 315 (*Orthenches*)
Arthur's Pass NC/WD, G.V. Hudson; HT ♀ unique, abdomen missing, BMNH.
Hudson 1939, p. 462, pl. lxi fig. 29.

disparilis Philpott, 1931, p. 34 (*Orthenches*)
Kauri Gully, [Birkenhead] AK, C.E. Clarke; HT ♂ unique, AMNZ.
Hudson 1939, p. 462, not figured.

drosochalca Meyrick, 1905, p. 242 (*Orthenches*)
Wellington WN, G.V. Hudson; LT ♂ selected by P.A. Brown and here designated, labelled "Wellington New Zealand GVH /03", "Orthenches drosochalca Meyr. 2/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 328, pl. xxxvi fig. 4.
Note. Hudson was misled by larvae pupating on "silvery tree fern"; the true hosts are *Prumnopitys ferrugineus* and *P. taxifolia* (Podocarpaceae; species formerly in *Podocarpus*).

glypharcha Meyrick, 1919, p. 353 (*Orthenches*)
Mount Egmont TK, 3,000 ft, G.V. Hudson; LT ♀ here designated, labelled "Mt Egmont New Zealand GVH 3000′ 2.18", "Orthenches glypharcha Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 330, pl. xlvii fig. 19.

homerica Salmon, 1956, p. 576 (*Archyala*) **new combination**
Homer Cirque FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Salmon 1956, pl. 2 fig. 4 and 5.
Note. This species is transferred from Tineidae. It is scarcely distinguishable from *O. dictyarcha*.

polita Philpott, 1918, p. 131 (*Orthenches*)
[Tisbury], Invercargill SL, A. Philpott; HT ♂ designated by Philpott, abdomen missing, NZAC.
Hudson 1928, p. 329, pl. xlvi fig. 4.

porphyritis Meyrick, §1885i, p. 591; 1886b, pp. 176–177 (*Orthenches*)
Dunedin DN, E. Meyrick; LT ♀ here designated, labelled "Dunedin New Zealand 28.9.82", "Orthenches porphyritis Meyr. 8/15 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 328–329, pl. xxxvi fig. 6 and 29, pl. xlvii fig. 17.

cuprea Meyrick, 1901, pp. 575–576 (*Yponomeuta*). Synonymised by Meyrick (1923, p. 168).
?Christchurch MC, R.W. Fereday; HT ♀ unique, abdomen missing, BMNH.

prasinodes Meyrick, §1885i, p. 591; 1886b, p. 176 (*Orthenches*)
Riccarton Bush, Christchurch MC, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 329, pl. xxxvi fig. 5.

saleuta Meyrick, 1913a, p. 28 (*Orthenches*)
Waiouru TO, G.V. Hudson; LT ♀ here designated, labelled "Waiouru New Zealand GVH 2.12", "Orthenches saleuta Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 328, pl. xxxvi fig. 3.

semifasciata Philpott, 1915, pp. 200–201 (*Orthenches*).
Queenstown OL, C.C. Fenwick; HT ♀ designated by Philpott, NMNZ.
Hudson 1928, p. 329, pl. xl fig. 3.

septentrionalis Philpott, 1930b, p. 14 (*Orthenches*)
Kauri Gully, Birkenhead AK, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 462, pl. lvii fig. 21.

similis Philpott, 1924a, p. 211 (*Orthenches*)
Dun Mountain NN/MB, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 329, as synonym of *O. semifasciata*.
Note. Philpott (1931, p. 35) gave distinguishing features.

vinitincta Philpott, 1917b, pp. 244–245 (*Orthenches*)
Rowallan FD, C.C. Fenwick; HT ♂ designated by Philpott, abdomen missing, NMNZ.
Hudson 1928, p. 329, pl. xxxviii fig. 20.
Note. Externally this species appears identical to *O. prasinodes*.

virgata Philpott, 1920, p. 44 (*Orthenches*)
Auckland AK, A.J. Turner; HT ♀ designated by Philpott, abdomen missing, NZAC.
Hudson 1928, p. 330, pl. xlvii fig. 18.

Also 2 undescribed species (NZAC).

• ***Phylacodes*** Meyrick, 1905, pp. 241–242. Type species *Phylacodes cauta* Meyrick, by original monotypy.

cauta Meyrick, 1905, p. 242 (*Phylacodes*)
[Ida Valley CO], J.H. Lewis; HT ♂ unique, BMNH.
Hudson 1928, p. 327, pl. xxxiv fig. 16.

• ***Plutella*** Schrank, 1802, p. 169, in the sense of Moriuti (1977, p. 52). Type species *Phalaena Tinea xylostella* Linnaeus, as reported in Moriuti (1977, p. 52).

antiphona Meyrick, 1901, p. 576 (*Plutella*)
Wellington WN, G.V. Hudson; HT ♀ unique, BM genitalia slide no. 18897, BMNH.
Hudson 1928, p. 331, not figured; Dugdale 1973b, p. 1013, fig. 2, 8, 13, 15, 17, and 19.

Note. *P. antiphona* is another 'mystery species' supposedly collected by Hudson but of which he appeared to have no knowledge (see *Mallobathra globulosa*, p. 68). There is some evidence that W.G. Howes (Dunedin DN) sent specimens to Meyrick, who may have mistaken them for Wellington material. See *Proditrix megalynta*, below.

xylostella Linnaeus, 1758, p. 538, no. 265 (*Phalaena Tinea*). ICZN Opinion 1002 (1973, p. 86).
Cosmopolitan.
New Zealand: recorded throughout.
Hudson 1928, p. 331, pl. xxxvi fig. 7 and 8, as *Plutella maculipennis* Curtis. Moriuti (1977, pp. 53–54) gives full synonymy.

Also 1 undescribed species (NZAC).

• ***Plutella*** in the sense of Meyrick (1915, p. 230)

psammochroa Meyrick, §1885i, p. 591; 1886b, p. 179 (*Plutella*)
[Arthur's Pass NC/WD, at light], "Otira River", E. Meyrick; LT ♀ selected by K. Sattler, designated by Dugdale (1973b, p. 1019), BMNH.
Hudson 1928, p. 331, pl. xxxvi fig. 10.
Note. Meyrick's Diary of Captures notes "P. catapela 1 at light" at Arthur's Pass on 29 January 1883, and another at Castle Hill NC on 17 January 1883. The latter specimen is labelled "Plutella psammochroa Meyrick 3/3 E. Meyrick det. in Meyrick Coll.", "Castle Hill New Zealand 17.1.83". The Australian specimens differ in 6 colour pattern characters from the New Zealand specimens, and are doubtfully conspecific.

• ***Prays*** Hübner, 1826, p. 413. Type species [*Phalaena curtisella* Donovan, 1793], as reported by Moriuti (1977, p. 116).

nephelomima Meyrick, 1907b, pp. 75 (key) and 76 (*Prays*)
Murrurundi and Sydney N.S.W., Australia; ST series, including BM genitalia slide no. 3275 ♂, BMNH.
New Zealand: adventive, recorded from Auckland AK and Tauranga BP 1976–78, Kerikeri ND 1981–82.
Note. Classification of the *Citrus*-infesting *Prays* species is inadequate. Although superficially *P. nephelomima* closely resembles the type (and topotypic) specimens of *P. citri* Millière from Corsica, there are genital differences. It should be noted that both *Citrus* and *P. citri* are Oriental adventives to Corsica.

• ***Proditrix*** Dugdale, 1987a, pp. 99–100. Type species *Plutella megalynta* Meyrick, by original designation.

chionochloae Dugdale, 1987a, p. 106 (*Proditrix*)
Pouakai Range TK, J.S. Dugdale; HT ♂ designated by Dugdale, NZAC.

gahniae Dugdale, 1987a, p. 108 (*Proditrix*)
Titirangi AK, C.R. Thomas; HT ♂ designated by Dugdale, NZAC.

megalynta Meyrick, 1915a, pp. 203–204 (*Plutella*)
[Otago–Southland, W.G. Howes], "Wellington, Philpott"; HT ♂ unique, BMNH.
Hudson 1928, p. 330, pl. xxxvi fig. 1.
Note. Philpott (1917a, p. 235, footnote) states "The type specimen [i.e., the one Philpott sent to Meyrick] was given to me by Mr W.G. Howes. It was among some Wellington Lepidoptera, but as there is a little uncertainty as to the locality it is advisable, for the present, to record it as a southern form only". Philpott (1927g, p. 318) had difficulty interpreting the highly modified ♂ genitalia.

tetragona Hudson, 1918, p. 62 (*Titanomis*)
Mt Egmont TK, M.N. Watt; HT ♀ (recorded as ♂) unique, NMNZ.
Hudson 1928, p. 350, pl. xxxv fig. 28.
Note. Structure of the ♂ genitalia and larva indicate a close relationship with *P. megalynta*. Dugdale (1987a) assigned *tetragona* to *Proditrix*.

• ***Protosynaema*** Meyrick, §1885i, p. 591; 1886b, p. 174. Type species *Protsynaema eratopis* Meyrick, by subsequent designation (Meyrick 1915b, p. 229).

eratopis Meyrick, §1885i, p. 591; 1886b, p. 174 (*Protosynaema*)
Otira Gorge WD, 1,600 ft, E. Meyrick; LT ♂ here designated, labelled "Otira Gorge New Zealand 26.1.83", "Protosynaema eratopis Meyr. 6/16 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 327, pl. xxxiv fig. 1.

hymenopis Meyrick, 1935, p. 304 (*Protosynaema*)
Gollan's Valley WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1939, p. 461, pl. lx fig. 25.

matutina Philpott, 1928g, p. 489 (*Protosynaema*)
Mount Arthur NN, 4,500 ft, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 461, pl. lx fig. 15.

quaestuosa Meyrick, 1924a, p. 205 (*Protosynaema*)
Mount Aurum OL, G.V. Hudson; LT ♂ here designated, labelled "Mt Aurum New Zealand GVH bred .21", "Protosynaema questuosa [*sic*] Meyr. 3/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 326, pl. 1 fig. 13, pl. xxxiv fig. 3.

steropucha Meyrick, §1885i, p. 591; 1886b, pp. 174–175 (*Protosynaema*)
Kaiapoi NC, [sandhills], E. Meyrick; LT ♂ here designated, labelled "Kaiapoi New Zealand 31.3.82", "Protosynaema steropucha Meyr. 8/14 E. Meyrick det. in Meyrick Coll.", abdomen in gelatin capsule, BMNH.

Hudson 1928, p. 326, pl. xxxiv fig. 2.

Also 1 undescribed species (B. Patrick Collection, Dunedin).

• ***Rhigognostis*** Zeller in Staudinger, 1857, pp. 273–274. Type species *Plutella dalella* Stainton [by implication?].

Caunaca Wallengren, 1880, p. 45. Type species *Cerostoma annulatella* Curtis, 1832, by subsequent designation (Fletcher 1929). Synonymised by J. Kyrki (unpublished).

Note. Moriuti (1977, p. 59) gives synonymy.

sera Meyrick, §1885i, p. 591; 1886b, p. 178 (*Plutella*)
Makatoku HB, E. Meyrick; LT ♂ selected by K. Sattler, designated by Dugdale (1973, p. 1017), BMNH.
Hudson 1928, p. 330, pl. xxxvi fig. 9, as *Plutella sera.*

• ***Tanaoctena*** Turner, 1913, p. 204. Type species *Tanaoctena ooptila* Turner, 1913, p. 205, by monotypy; Australia.

Tanaoctenota Meyrick, 1918b, p. 188; replacement name for *Tanaoctena* Turner (possible confusion with *Tanaoctenia* Warren – Geometridae). Synonymised by Clarke (1971, p. 167).

dubia Philpott, 1931, p. 34 (*Tanaoctenota*)
Auckland AK, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 441, pl. lx fig. 8, as *Tanaoctenota dubia.*

• ***Zelleria*** of authors, in the sense of Meyrick (1915b, p. 227) but not Stainton (1849, p. 22)

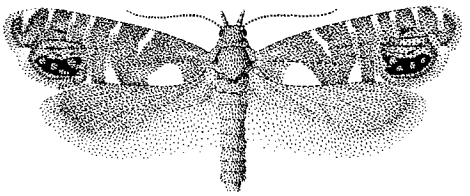
maculata Philpott, 1930b, pp. 13–14 (*Zelleria*)
Mount Maungatua DN, C.E. Clarke; HT ♀ designated by Philpott (as ♂), AMNZ.
Hudson 1939, p. 459, pl. lxi fig. 27.

porphyraula Meyrick, 1927b, p. 314 (*Zelleria*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 460, pl. lxi fig. 6.

rorida Philpott, 1918, p. 130 (*Zelleria*)
Bluff SL, in coastal forest, A. Philpott; HT ♂ designated by Philpott, this and AT ♀ lacking locality labels, NZAC.
Hudson 1928, pp. 320–321, pl. xxxviii fig. 14.

sphenota Meyrick, 1889b, p. 162 (*Hofmannia*)
[Riccarton Bush], Christchurch MC, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 321, not figured.

Family GLYPHIPTERIGIDAE
(in the sense of Heppner 1982, p. 38)



Glyphipterigidae
(149) *Glyphipterix zelota* Meyrick

• ***Glyphipterix*** not of Hübner, [1825], p. 421, but in the sense of Meyrick (1913, p. 41)

Phryganostola Meyrick, 1880b, p. 248. Type species *Phryganostola drosophaes* Meyrick, by subsequent designation (Meyrick 1907b, p. 115). Synonymised by Meyrick (1913c, p. 41).

Circica Meyrick, 1888e, p. 88. Type species *Circica cionophora* Meyrick, by subsequent designation (Meyrick 1913c, p. 41). Synonymised by Meyrick (1913c, p. 41).

achlyoessa Meyrick, 1880b, p. 252 (*Phryganostola*)
[Botanic Gardens], Wellington WN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 312, pl. xxxiii fig. 11 and 12.

acronoma Meyrick, 1888e, p. 86 (*Glyphipteryx*)
Mount Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 18.1.86", "Glyphipteryx acronoma Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 316, pl. xlvi fig. 14.

acrothecta Meyrick, 1880b, pp. 244–245 (*Glyphipteryx*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♀ here designated, labelled "Christchurch New Zealand 4.1.80", "Glyphipteryx acrothecta Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 316, pl. xxxiv fig. 5.

aenea Philpott, 1917b, p. 244 (*Glyphipteryx*)
The Hump [Hump Ridge] FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 311, pl. xxxiv fig. 7.

aerifera Meyrick, 1912d, p. 57 (*Glyphipteryx*)
Mount Ruapehu TO, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 313, pl. xxxiii fig. 22.

astrapaea Meyrick, 1880b, p. 245 (*Glyphipteryx*)
Cambridge WO, E. Meyrick; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 313, not figured.
Note. The HT is scarcely distinguishable from that of *G. codonias* Meyrick (see below).

ataracta Meyrick, 1888e, p. 88 (*Phryganostola*)
Mount Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 16.1.86", "Glyphipteryx ataracta Meyr. 4/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 312, pl. xlvi fig. 7.

aulogramma Meyrick, 1907c, p. 120 (*Glyphipteryx*)
Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP '06", "Glyphipteryx aulogramma Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 312–313, pl. xxxiii fig. 16 and 17.

bactrias Meyrick, 1911b, pp. 67–68 (*Glyphipteryx*)
Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP 10.1.09", "Glyphipteryx bactrias Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 312, pl. xxxiii fig. 9.

barbata Philpott, 1918, p. 130 (*Glyphipteryx*)
Waitati DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1928, p. 317, pl. xxxviii fig. 13.

brachydelta Meyrick, 1916b, p. 418 (*Glyphipteryx*)
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 3.15", "Glyphipteryx brachydelta Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 315, pl. xxxviii fig. 12.

calliactis Meyrick, 1914a, p. 112 (*Glyphipteryx*)
Kaitoke WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 314, pl. xxxiv fig. 12 and 13.

cionophora Meyrick, 1888e, p. 88 (*Circica*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♂ selected by J.B. Heppner, 1976, and here designated, labelled "Christchurch New Zealand 24 II 1882 Meyrick 1888 1740", "Circica cionophora Meyr. named by Meyrick", "Walsingham Collection 1910-427", BMNH.
Hudson 1928, p. 311, pl. xxxiii fig. 10.

codonias Meyrick, 1909a, p. 15 (*Glyphipteryx*)
Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 313, not figured, as synonym of *G. transversella.*
Note. The HTs of *G. codonias* and *G. astrapaea* are scarcely distinguishable on external characters.

dichorda Meyrick, 1911b, p. 76 (*Glyphipteryx*)
[?Wellington WN], "New Zealand", G.V. Hudson; LT here designated, labelled "New Zealand GVH /00", "Glyphipteryx dichorda Meyr. 3/3 E. Meyrick det. in Meyrick Coll.", hindwings and abdomen missing, BMNH.
Hudson 1928, p. 315; 1939, p. 458, pl. lx fig. 19.

erastis Meyrick, 1911b, p. 76 (*Glyphipteryx*)
Lake Wakatipu OL, E. Meyrick; LT ♂ here designated, labelled "L. Wakatipu New Zealand 15.12.82", "Glyphipteryx erastis Meyr. 3/10 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 317, pl. xxxiv fig. 20.

euastera Meyrick, 1880b, p. 236 (*Glyphipteryx*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♀ here designated, labelled "Christchurch New Zealand 4.1.80", "Glyphipteryx euastera Meyr. 3/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 315–316, pl. xxxiv fig. 21.

iocheaera Meyrick, 1880b, p. 243 (*Glyphipteryx*)
Dunedin DN, [reserved bush and forest], E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 6.1.80", "Glyphipteryx iocheaera Meyr. 10/15 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 314, pl. xxxiv fig. 18.
Note. The Australian *G. palaemorpha* Meyrick is very similar in shape and wing pattern.

leptosema Meyrick, 1888e, p. 87 (*Glyphipteryx*)
[Waitakere Range] AK, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, pp. 314–315, pl. xxxiv fig. 9.
Note. The HT bears a label "date (month) is wrong for HT but all else agrees. J.S. Dugdale 5.9.80". Meyrick's Diary of Captures states for 17 December 1885: "Waitakere Ranges ... Glyph. leptosema, 1."; cf. his description "in January".

metasticta Meyrick, 1907c, pp. 19–20 (*Glyphipteryx*)
Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP .06", "Glyphipteryx metasticta Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 312, pl. xxxiii fig. 15.

morangella Felder & Rogenhofer, 1875, pl. cxl fig. 39 (*Glyphipteryx*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, body/wings glued, BMNH.
Hudson 1928, p. 313, not figured, as synonym of *transversella.*
Note. This minute, forgotten species (wingspan 7.0 mm) is represented in NZAC by a series taken by Philpott at Golden Downs NN and specimens from a sedge area on Aorangi, Poor Knights Islands ND. It superficially resembles *G. scolias* from the Kermadec Islands.

necopina Philpott, 1927d, p. 88 (*Glyphipteryx*)
Golden Downs NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, pp. 457–458, pl. lx fig. 20.

nephoptera Meyrick, 1888e, pp. 87–88 (*Glyphipteryx*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 24.2.82", "Glyphipteryx nephoptera Meyr. 3/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 316, pl. xxxiv fig. 19.

octonaria Philpott, 1924a, p. 210 (*Glyphipteryx*)
Gouland Downs NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 313, pl. 1 fig. 3.

oxymachaera Meyrick, 1880b, pp. 251–252 (*Phryganostola*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♀ here designated, labelled "Christchurch New Zealand 4.1.80", "Glyphipteryx oxymachaera Meyr. 11/18 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 313–314, pl. xxxiii fig. 18 and 19.

rugata Meyrick, 1915a, p. 203 (*Glyphipteryx*)
Tisbury, Invercargill SL, A. Philpott; HT ♀ unique, BMNH.
Hudson 1928, p. 312, pl. xxxiii fig. 13.

scintelella Walker, 1864b, p. 841 (*Glyphipteryx*)
Auckland AK, D. Bolton; HT ♂ unique, BMNH.
Omitted by Hudson 1928, 1939.

transversella Walker, 1864b, p. 849 (*Argyresthia*). **New synonymy.**
[Nelson NN], T.R. Oxley; LT (?♂) here designated, labelled "Auckland N. Zeal. 60-73", "LECTOTYPE Argyresthia transversella Wkr des. J.S. Dugdale 8.9.1980", abdomen and hindwings missing, BMNH.
Hudson 1928, p. 313, pl. xxxiii fig. 20.
Note. The type specimens of *scintelella* and *transversella* both differ markedly from those of *codonias* and *astrapaea* in their possession of fields of non-metallic yellow scales on the forewing, and in the position of the silver band on the dorsum. This group (including *aulogramma*) is characteristic of *Carex* (Cyperaceae) communities.

scintilla Clarke, 1926, p. 420 (*Glyphipteryx*)
Hunter Mountains FD, [Flat Top, 4000 ft], C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, p. 315, pl. lii fig. 17.

similis Philpott, 1928a, pp. 369–370 (*Glyphipteryx*)
Mount Arthur Tableland NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 458, pl. lx fig. 22.

triselena Meyrick, 1880b, p. 234 (*Glyphipteryx*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♀ here designated, labelled "Christchurch New Zealand 4.1.80", "Glyphipteryx triselena Meyr. 11/14 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 317, pl. xxxiv fig. 6.
Note. Meyrick (1882b, pp. 188–189) gave an extensive redescription. The LT is the surviving member of the original series.

tungella Felder & Rogenhofer, 1875, pl. cxl fig. 40 (*Glyphipteryx*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 315, not figured, as ?synonym of *asteronota.*

asteronota Meyrick, 1880b, pp. 240–241 (*Glyphipteryx*). **New synonymy.**
[The Domain], Auckland AK, E. Meyrick; LT ♀ here designated, labelled "Auckland New Zealand 20.1.80", "Glyphipteryx asteronota Meyr. 5/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 315, pl. xxxiv fig. 11, as species.

plagigera Philpott, 1916, p. 423 (*Glyphipteryx*). **New synonymy.**
Bluff SL, A. Philpott; HT ♂ designated by Philpott, only the head and left forewing remaining, NZAC.
Hudson 1928, p. 315, not figured, as synonym of *dichorda.*

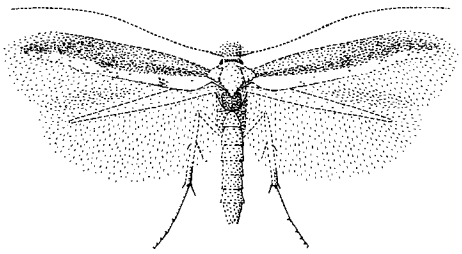
xestobela Meyrick, 1888e, p. 89 (*Circica*)
Arthur's Pass NC/WD, E. Meyrick; LT ♂ here designated, labelled "Arthur's Pass New Zealand 29.1.83", "Glyphipteryx xestobela Meyr. 4/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 311, pl. xlviii fig. 22 and 37.

zelota Meyrick, 1888e, p. 86 (*Glyphipteryx*)
Whangarei [Heads] ND, E. Meyrick; LT ♂ here designated, labelled "Whangarei New Zealand 20.12.85", "Glyphipteryx zelota Meyr. 1/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 316, pl. xxxiv fig. 10.
Note. There are differences in colour pattern between North Island and South Island specimens.

• ***Pantosperma*** Meyrick, 1888e, p. 89. Type species *Pantosperma holochalca* Meyrick, by original monotypy.

holochalca Meyrick, 1888e, p. 89 (*Pantosperma*)
Makatoku HB, E. Meyrick; LT ♂ selected by J.B. Heppner and here designated, labelled "Makatoku New Zealand 8.III.1883 Meyrick 1888, 1691", "LECTOTYPE ♂ Pantosperma holochalca Meyr. by Heppner '78", BMNH.
Hudson 1928, p. 311, pl. xxxiii fig. 14.

Family LYONETIIDAE
(in the sense of Kyrki 1984)



Lyonetiidae
(150) *Bedellia psamminella* Meyrick

• ***Bedellia*** Stainton, 1849, p. 23. Type species *Lyonetia somnulentella* Zeller, by original monotypy.

psamminella Meyrick, 1889b, p. 165 (*Bedellia*)
[Dry Bush, Port Hills], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 27.12.82", "Bedellia psamminella Meyr. 13/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 332; 1939, p. 463, pl. lix fig. 21.
Note. Bradley's synonymy of *somnulentella* includes *mnesileuca* Meyrick from eastern Australia (Bradley 1961, pp. 160–161), but he did not report on *psamminella.*

somnulentella Zeller, 1847, p. 894 (*Lyonetia*)
Syracuse, Sicily; LT ♀ designated by J.D. Bradley in 1960, BMNH.
Hudson 1928, p. 332, not figured.)
Note. Philpott's (1927h, fig. 10) drawing of ♂ genitalia of "B. Somnulentella" is not detailed enough to resolve synonymy.

• ***Cateristis*** Meyrick, 1889b, pp. 163–164. Type species *Cateristis eustyla* Meyrick, by original monotypy.

eustyla Meyrick, 1889b, p. 164 (*Cateristis*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 23/12/82", "Cateristis eustyla Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 332, not figured.
Note. *C. eustyla* has not been recorded in New Zealand since 1882.

• ***Leucoptera*** Hübner, 1825, p. 426. Type species *Leucoptera spartifoliella* Hübner, according to Bradley & Carter (1982, p. 1).

spartifoliella Hübner, [1810 – 20 June 1813], pl. 49 fig. 335 (*Tinea*)
Europe; adventive to California.
New Zealand: first recorded from Taupo TO in 1950; widespread on *Cytisus* since 1979.
Note. This is the "*Opostega* sp." of Dugdale (1974, p. 138, fig. 21).

• ***Stegommata*** Meyrick, 1880a, p. 171. Type species *Stegommata leptomitella* Meyrick, by subsequent designation (as in Clarke 1955, p. 184).

leptomitella Meyrick, 1880a, p. 172 (*Stegommata*)
Sydney N.S.W., E. Meyrick; LT ♀ here designated, labelled "Sydney N.S. Wales 30.1.79", "Lyonetia leptomitella Meyr. 8/8 E. Meyrick det. in Meyrick Coll.", BMNH.
New Zealand: adventive, on Australian *Hakea* species (Proteaceae).

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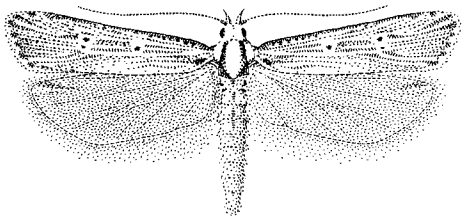
Superfamily GELECHIOIDEA
(in the sense of Common 1970)
Family GELECHIIDAE
(in the sense of Common 1970)



Gelechiidae
(151) *Anisoplaca ptyoptera* Meyrick

• ***Anarsia*** in the sense of Meyrick (1904, p. 415)

trichodeta Meyrick, 1904, pp. 415–416 (*Anarsia*), in a broad sense
Mount Gambier S.A., E. Meyrick; ST ♂ labelled "Anarsia trichodeta Meyr. 1/1 E. Meyrick in Meyrick Coll.", "Mt Gambier S. Australia 14/11/82", BMNH.
New Zealand: adventive. On *Acacia* and *Albizzia* foliage and fruits, especially in ND and AK, since 1964.
Note. New Zealand and Toowong (Qld) specimens differ from Meyrick's syntype in having the hindwings strongly infuscate towards the apex, and no yellow scales on the frons. New Zealand specimens agree well with Queensland specimens in the series at BMNH.

• ***Anisoplaca*** Meyrick, §1885i, p. 590; 1886b, p. 170. Type species *Anisoplaca ptyoptera* Meyrick, by original monotypy.

achyrota Meyrick, §1885i, p. 590; 1886b, p. 170 (*Gelechia*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 23/12/82", "Anisoplaca achyrota Meyr. 4/14 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 258–259, but not pl. xxviii fig. 1.
Note. The ♂ genitalia illustrated by Philpott (1927j, p. 350, fig. 3) and Hudson (1928, pl. xxviii fig. 1) refer to an undescribed species.

acrodactyla Meyrick, 1907c, pp. 117–118 (*Gelechia*)
Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP .06", "Anisoplaca acrodactyla Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 258, pl. xxviii fig. 3.
Note. Philpott (1927j, p. 350, fig. 4) figures ♂ genitalia of a specimen collected at the same time and place as the series he sent to Meyrick.

cosmia Bradley, 1956b, p. 156 (*Anisoplaca*)
Norfolk Island, J.D. Bradley; HT ♂ designated by Bradley, BM genitalia slide no. 3787 ♂, BMNH.
New Zealand: adventive, on *Lagunaria patersonia* ('Norfolk Island hibiscus'); larvae feed in shoots and fruits.

fraxinea Philpott, 1928a, p. 364 (*Anisoplaca*)
Flora River NN, A. Philpott; HT ♂ designated by Philpott, abdomen missing, NZAC.
Hudson 1939, p. 440, pl. lviii fig. 20.

ptyoptera Meyrick, §1885i, p. 591; 1886b, p. 171 (*Anisoplaca*)
Christchurch MC, R.W. Fereday; HT ♂ unique, BM genitalia slide no. 3796 ♂, BMNH.
Hudson 1928, p. 259, pl. xxxviii fig. 1.
Note. Philpott (1927j, p. 350, fig. 2) figures ♂ genitalia of a Christchurch specimen.

Also 1 undescribed species (NZAC).
Note. Philpott (1927j, p. 350, fig. 3) erroneously regarded this species as *achyrota*. Hudson (1928, pl. xxviii fig. 1) illustrated this species as *achyrota*.

• ***Athrips*** of authors, but not Billberg 1820 (Sattler 1978, p. 58)

zophochalca Meyrick, 1918a, p. 133 (*Epithectis*)
Auckland AK, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 253, pl. xxxviii fig. 2, as *Epithectis zophochalca*.

transversella Hudson, 1939, p. 438 (*Epithectis*). **New synonymy.**
Auckland Domain AK, C.E. Clarke; HT ♀ unique, AMNZ.
Hudson 1939, p. 438, pl. lxii fig. 23.
Note. *A. zophochalca* is sexually dimorphic for wing pattern, males having the white band on the forewings indistinct. Fresh specimens have the thorax covered in coppery scales. Larvae bore the terminal shoots of *Carmichaelia* species (Fabaceae).

• ***Biloba*** Janse, 1954, p. 301. Type species *Gelechia (Brachmia) subsecivella* Zeller, by original designation.

subsecivella Zeller, 1852, p. 113 (*Gelechia (Brachmia)*)
South Africa.
New Zealand: adventive (Philpott 1924c, p. 666).
Hudson 1939, p. 438, as *Stomopteryx subsecivella*, with synonymy.

columbina Philpott, 1928a, p. 364, fig. 2 (*Stomopteryx*), replacement name for *Stomopteryx simplicella* in the sense of Philpott (1924c, p. 666) but not Walker (1864, p. 1024). Synonymised by Meyrick in Hudson (1928, footnote, pl. li).
Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 253, pl. li fig. 21, as *Stomopteryx simplicella.*

• ***Brachmia*** in the sense of Meyrick (1925b, p. 248)

Species near *phryganitis* Meyrick, 1911e, p. 722 (*Brachmia*)
Adventive. Recorded from various localities in AK since 1972.
Note. Resembles in genitalia BMNH specimens from south-eastern Australia under the name *B. phryganitis*, which was described from Maskeliya, Sri Lanka.

• ***Chrysoesthia*** Hübner, 1825, p. 422. Type species *Tinea zinckenella* Hübner, 1813, by subsequent designation (Meyrick 1925, p. 40); Europe.

drurella Fabricius, 1775, p. 666 (*Tinea*)
"Habitat Hafniae".
New Zealand: adventive (Dumbleton 1964, p. 24), on Chenopodiaceae; widespread.

hermanella of authors but not Fabricius, 1974, p. 324 (Karsholt & Nielsen 1976b, p. 246) (*Chrysoesthia*).

• ***Epiphthora*** Meyrick, 1888e, p. 77. Type species *Epiphthora melanombra* Meyrick, by original monotypy.
Note. Meyrick (1923, p. 165) synonymised *Epiphthora* with the now restricted *Apatetris* Staudinger. Janse (1951, p. 232) regards *Epiphthora* as valid (Sattler 1973, p. 198).

melanombra Meyrick, 1888e, p. 77 (*Epiphthora*)
Christchurch MC, reared by R.W. Fereday; LT ♂ here designated, labelled "Christchurch New Zealand RWF bred /85", "Apatetris melanombra Meyr. 2/4 E. Meyrick det. in Meyrick Coll.", abdomen missing, BMNH.
Hudson 1928, p. 252, pl. xxxviii fig. 3, as *Apatetris melanombra.*

sparsa Philpott, 1918, p. 128 (*Gelechia*). Synonymised by Meyrick (1923, p. 165).
Dunedin DN, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 252, as synonym of *melanombra.*

nivea Philpott, 1930b, p. 7 (*Apatetris*) **new combination**
Auckland AK, C.E. Clarke; HT ♂ designated by Philpott, abdomen missing, AMNZ.
Hudson 1939, p. 438, pl. lviii fig. 1.

• ***Hierodoris*** of authors, but not Meyrick (1912d)

insignis Philpott, 1926a, p. 397 (*Hierodoris*?)
Mount Arthur Tableland NN, S. Lindsay; HT ♀ designated by Philpott, CMNZ.
Hudson 1928, p. 306, pl. lii fig. 31, in "Glyphipterygides".
Note. This species is transferred to Gelechiidae; the larva mines under the tomentum of leaves of *Celmisia* species (Asteraceae).

Also 2 undescribed species (NZAC).

• ***Isochasta*** Meyrick, §1885i, p. 590 (as *Tsochasta*); 1886b, p. 163. Type species *Isochasta paradesma* Meyrick, by original monotypy.
Note. A case for *Tsochasta* being an incorrect original spelling will have to be submitted to the ICZN.

paradesma Meyrick, §1885i, p. 590 (*Tsochasta*); 1886b, pp. 163–164 (*Isochasta*)
Invercargill SL, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 253, pl. xxvii fig. 15, as *Aristotelia paradesma.*

• ***Kiwaia*** Philpott, 1930a, p. 248. Type species *Kiwaia jeanae* Philpott, by original designation.

Zeempista Povolny, 1974, p. 414. Type species *Gelechia cheradias* Meyrick, by original designation. Synonymised by Satler (1988, p. 233).
Note. Povolny (1977, pp. 435–437) gives additional information and biogeography.

aerobatis Meyrick, 1924a, p. 204 (*Gelechia*)
Mount Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 4000′ 15/1/86", "Gelechia aerobatis Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 257, pl. xlv fig. 24.

brontophora Meyrick, §1885i, p. 590; 1886b, p. 168 (*Gelechia*)
[Port Hills], Christchurch MC, E. Meyrick; HT ♂ unique, BM genitalia slide no. 16620, BMNH.
Hudson 1928, p. 255, pl. xxvii fig. 11, as *Phthorimaea brontophora.*

caerulaea Hudson, 1925, p. 221 (*Gelechia*)
Waiho Gorge WD, C.E. Clarke; HT ♂ unique, not located in NMNZ.
Hudson 1928, p. 258, pl. lii fig. 5.

calaspidea Clarke, 1934, p. 14 (*Gelechia*)
Flat Top Mountain, Hunter Mountains FD, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1939, p. 440, pl. lvii fig. 20.

cheradias Meyrick, 1909a, p. 12 (*Gelechia*)
Invercargill SL, A. Philpott; LT ♂ designated by Povolny (1974, p. 421), BMNH.
Hudson 1928, p. 255, pl. xxvii fig. 9.

contraria Philpott, 1930b, p. 8 (*Gelechia*)
Waiho Gorge WD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 439, pl. lviii fig. 2.

dividua Philpott, 1921, p. 340 (*Gelechia*)
Paradise, Lake Wakatipu OL, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 257, pl. xlviii fig. 36.

eurybathra Meyrick, 1931b, p. 368 (*Gelechia*)
Porter River MC, S. Lindsay; HT ♂ designated by Lindsay(?), CMNZ.
Hudson 1939, p. 440, pl. lviii fig. 19.

glaucoterma Meyrick, 1911b, p. 63 (*Gelechia*)
Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP 15.11.'08", "Phthorimea glaucoterma Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 256, pl. xxvii fig. 19, as *Phthorimaea glaucoterma.*

Note. Povolny (1974, p. 416) synonymised this with *brontophora*, ignoring the external differences, particularly the hindwing patch of modified scales (present also in *Gelechia caerulea*, q.v., but absent from *brontophora*). *Gelechia glaucoterma* is removed from this synonymy.

heterospora Meyrick, 1924a, p. 204 (*Phthorimaea*)
Mount Ruapehu TO, G.V. Hudson; LT ♂ here designated, labelled "Mt Ruapehu New Zealand GVH 4000' 1.22", "Phthorimaea heterospora Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 256, but not pl. 1 fig. 12, as *Phthorimaea heterospora.*

Note. This species superficially agrees well with *matermea* Povolny and *neglecta* Philpott; on external characters it is an obvious *Kiwaia*, and is consequently placed in this genus.

hippeis Meyrick, 1901, pp. 573–574 (*Gelechia*)
Christchurch MC, R.W. Fereday; LT ♀ here designated, labelled "Gelechia hippeis Meyrick" in Meyrick's handwriting, "Christchurch New Zealand RWF /01", CMNZ.
Hudson 1928, p. 256, pl. xxvii fig. 20.
Note. The BMNH PLT ♂ has the abdomen missing.

jeanae Philpott, 1930a, p. 249 (*Kiwaia*)
Birdlings Flat MC, Jean Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, pp. 437–438, pl. lvii fig. 9 and 10.

lapillosa Meyrick, 1924a, p. 203 (*Gelechia*)
Mount Ruapehu TO, G.V. Hudson; LT ♂ here designated, labelled "Mt Ruapehu New Zealand GVH 4000' 1.22", "Gelechia lapillosa Meyr. 2/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 258, pl. xxxi fig. 17.

lenis Philpott, 1929a, p. 302 (*Gelechia*)
Lake Pukaki MK, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 439, pl. lviii fig. 3.

lithodes Meyrick, §1885i, p. 590; 1886b, p. 170 (*Gelechia*)
Arthur's Pass NC/WD, E. Meyrick; HT ♂ unique, right forewing, head, and abdomen missing, BMNH.
Hudson 1928, p. 258, pl. xxviii fig. 2 (from a North Island specimen).

matermea Povolny, 1974, p. 426 (*Zeempista*)
New River SL, A. Philpott; HT ♂ designated by Povolny, slide no. Au21, NZAC.
Note. See *Z. heterospora*, above.

monophragma Meyrick, 1885i, p. 590; 1886b, pp. 169–170 (*Gelechia*)
Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 30/12/79", "Gelechia monophragma Meyr. 2/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 257, pl. xxviii fig. 4 and 5.

neglecta Philpott, 1924c, pp. 665–666 (*Gelechia*)
Cobb Valley NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 258, pl. li fig. 14.

parapleura Meyrick, §1885i, p. 590; 1886b, pp. 168–169 (*Gelechia*)
Bealey River [bed] MC, E. Meyrick; LT ♂ here designated, labelled "Bealey R. New Zealand 30/1/83", "Gelechia parapleura Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 257, pl. xxviii fig. 6.

parvula Philpott, 1930b, pp. 7–8 (*Gelechia*)
Hope Arm, Lake Manapouri FD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 440, pl. lviii fig. 18.

pharetria Meyrick, §1885i, p. 590 (as *phaxetria*); 1886b, p. 169 (*Gelechia*)
Arthur's Pass NC/WD, E. Meyrick; LT ♂ here designated, labelled "Arthurs Pass New Zealand 2500' 23/1/83", "Gelechia pharetria Meyr. 2/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 257, pl. xxviii fig. 25 and 26.

plemochoa Meyrick, 1916b, p. 415 (*Phthorimaea*)
Otira River WD, G.V. Hudson; LT ♂ designated by Povolny (1974, p. 424), BMNH.
Hudson 1928, p. 256 (but none of the type series resembles the specimen figured in pl. xxviii fig. 23 and 24).
Note. In Povolny (1974, p. 424) for "CVH 12.13" read 'GVH 12.14'.

pumila Philpott, 1928c, p. 182 (*Gelechia*)
Yaldhurst MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 439, pl. lviii fig. 4 (from the HT).

schematica Meyrick, §1885i, p. 590; 1886b, p. 168 (*Gelechia*)
Bealey River [bed] MC, E. Meyrick; LT ♂ here designated, labelled "Bealey R. New Zealand 21/1/83", "Gelechia schematica Meyr. 2/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 257, pl. xxviii fig. 7.

thyraula Meyrick, §1885i, p. 590; 1886b, p. 167 (*Gelechia*) **new combination**
Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 5/2/83", "Phthorimaea thyraula Meyr. 2/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 255, possibly pl. xxvii fig. 10, as *Phthorimaea thyraula.*

quieta Philpott, 1927a, p. 706 (*Phthorimaea*). **New synonymy.**
Bottle Lake [Christchurch MC, S. Lindsay]; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 255, pl. lii fig. 7, as species.

pulverea Philpott, 1928c, p. 181 (*Phthorimaea*). Synonymised (with *quieta*) by Povolny (1974, p. 424).
Hapuka River mouth KA, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 439, pl. lviii fig. 17, as *Phthorimaea quieta.*

• ***Megacraspedus*** of authors, but not Zeller (1839, p. 189)

calamogonus Meyrick, §1885i, p. 589; 1886b, p. 163 (*Megacraspedus*)
Christchurch MC, R.W. Fereday; LT ♂ here designated, labelled "Christchurch New Zealand RWF 1/11/68", "Megacraspedus calamogonus Meyr. 3/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 252–253, pl. xxvii fig. 12 and 13.

Also 1 undescribed species (NZAC).

• ***Phthorimaea*** Meyrick, 1902b, pp. 103–104. Type species *Bryotropha operculella* Zeller, by original designation.

operculella Zeller, 1873, p. 262 (*Bryotropha*)
Cosmopolitan.
New Zealand: adventive, throughout.
Hudson 1928, pp. 254–255, pl. xxvii fig. 18.
Note. Meyrick (1886b, p. 167) reported this in New Zealand as *Gelechia solanella* Boisduval.

sedata Butler, 1880, p. 560 (*Gelechia*)
[Blenheim] MB, W. Skellon; HT unique, BMNH.
Not recorded by Hudson.
Note. This reflects the current position in BMNH (K.R. Tuck, pers. comm.).

• ***Sitotroga*** Heinmann, [1870], p. 287. Type species *Alucita cerealella* Olivier, by original monotypy.

cerealella Olivier, 1789, p. 121 (*Alucita*)
Cosmopolitan.
New Zealand: adventive, North Island only.
Hudson 1928, p. 259, pl. xl fig. 10.
Note. Meyrick (1923, p. 164) gives the first record, received by Hudson from Levin WN.

• ***Symmetrischema*** Povolny, 1967, pp. 53–55. Type species *Phthorimaea plaesiosema* Turner, by original designation.

plaesiosema Turner, 1919, p. 126 (*Phthorimaea*)
Sydney N.S.W., Goldfinch; HT in AMSA.
Hudson 1939, p. 439, not figured.

melanoplintha Meyrick, 1926a, p. 279 (*Phthorimaea*). Synonymised by Hudson (1939, p. 439).
Hawkes Bay HB, Miller; LT ♂ here designated, labelled "Hawkes Bay New Zealand GVH bred 1.24", "ex stem tomato", "Phthorimea melanoplintha Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 256, pl. xxviii fig. 21.
Notes. Povolny (1967, pp. 53–55) described *Symmetrischema* and gave synonymies; Povolny (1977, p. 433) synonymised *Phthorimaea aquilina* Meyrick from Peru with *S. plaesiosema.* The genus and the species are of Neotropical origin.

• ***Thiotricha*** Meyrick, §1885i, p. 590 (as *Thistricha*); 1886b, p. 164. Type species *T. thorybodes* Meyrick, by subsequent designation of Meyrick (1915b, p. 207).
Note. A case for *Thistricha* being an incorrect original spelling will have to be submitted to the ICZN.

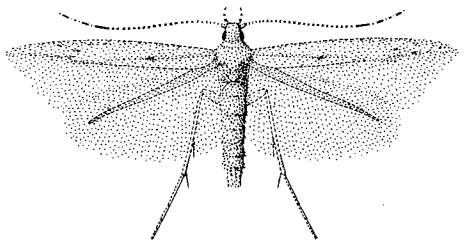
lindsayi Philpott, 1927d, p. 84 (*Thiotricha*)
Glentui NC, S. Lindsay; HT ♂ designated by Philpott, abdomen missing, CMNZ.
Hudson 1939, p. 438, not figured.

oleariae Hudson, 1928, p. 254 (*Thiotricha*)
Breaker Bay WN, Stella Hudson; LT ♂ here designated, labelled "712a", Hudson Collection, NMNZ.
Hudson 1928, p. 254, pl. xlvii fig. 7.

tetraphala Meyrick, §1885i, p. 590 (*Thistricha*); 1886b, p. 164 (*Thiotricha*)
Dunedin DN, E. Meyrick; HT ♂ unique, abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 254, pl. xxvii fig. 17.

thorybodes Meyrick, §1885i, p. 590 (*Thistricha*); 1886b, pp. 164–165 (*Thiotricha*)
Riccarton Bush MC, E. Meyrick; LT ♂ designated by Clarke (1969, p. 447), BMNH.
Hudson 1928, p. 254, pl. xxvii fig. 16.

Family BATRACHEDRIDAE
(in the sense of Nielsen & Common, in press)



Batrachedridae
(152) *Batrachedra arenosella* (Walker)

• ***Batrachedra*** Stainton, in the sense of Hodges (1966, p. 594, fig. 1, 2, 37–39, 94, 106, and 110)

agaura Meyrick, 1901, p. 579 (*Batrachedra*)
[below Flora Saddle], Mount Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 19/1/86", "Batrachedra agaura Meyr. 14/16 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 304, pl. xxxv fig. 2 (a poor representation; Hudson 1950, pl. v fig. 6 is better, but most specimens are browner than Hudson indicates).

arenosella Walker, 1864b, p. 857 (*Gracillaria*)
"[Auckland AK] New Zealand, presented by Col. Bolton"; syntype series of 3 ("a–c") not in collection [H. Stringer, April 1932; JSD, November 1980], BMNH.
Hudson 1928, p. 304, pl. xxxv fig. 12.
Note. None of the BMNH specimens are topotypes; the Meyrick Collection has material from Christchurch and Wellington. The New Zealand ♀♀ (BMNH genitalia slides 8081 and 19951) differ from a Queensland ♀ (genitalia slide 8084) in limen : ductus bursae length ratio.

astricta Philpott, 1930b, p. 14 (*Batrachedra*)
Opoho, Dunedin DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 442, pl. lvii fig. 22 (figured from the type series).

eucola Meyrick, 1889b, pp. 180–181 (*Batrachedra*)
Bealey River NC, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 304, pl. xxxiv fig. 8.

filicicola Meyrick, 1917a, p. 247 (*Batrachedra*)
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 11.15", "Batrachedra filicicola Meyr. 2/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 304, pl. xl fig. 11 and 12.

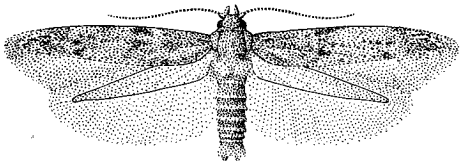
litterata Philpott, 1928, p. 370 (*Batrachedra*, as "Bactrachedra")
Greymouth WD, A.J. Turner; HT ♀ designated by Philpott, NZAC.
Hudson 1939, p. 442, pl. lvii fig. 14.

psithyra Meyrick, 1889b, p. 181 (*Batrachedra*)
Hamilton WO, E. Meyrick; LT ♀ here designated, labelled "Hamilton New Zealand 18.1.80", "Batrachedra psithyra Meyr. 6/14 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 303, pl. xxxv fig. 13, pl. xliv fig. 8, as *B. psathyra.*

tristictica Meyrick, 1901, p. 579 (*Batrachedra*)
Makatoku HB, E. Meyrick; LT ♀ here designated, labelled "Makatoku New Zealand 8/3/83", "Batrachedra tristictica Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 304; 1939, p. 442, pl. lvii fig. 15.

Also 1 undescribed species, from *Asplenium* sori (NZAC).

Family BLASTOBASIDAE
(in the sense of Hodges 1978, p. 7)



Blastobasidae
(153) *Blastobasis tarda* Meyrick

Subfamily BLASTOBASINAE
(in the sense of Hodges 1978, p. 7)

• ***Blastobasis*** in the sense of Meyrick (1902d, pp. 168–169)

tarda Meyrick, 1902d, p. 170 (*Blastobasis*)
Sydney N.S.W., E. Meyrick; LT ♂ selected by I.F.B. Common and here designated, labelled "Sydney N.S. Wales 25.10.79", "Blastobasis tarda Meyr. 1/8 E. Meyrick det. in Meyrick Coll.", BMNH.
New Zealand: adventive; noted since 1973. Specimens in NZAC from ND and AK. On stored fruit and old or mummified fruit on trees.
Note. PLT 5/8 ("Sydney ... 8.8.79") is a good match with New Zealand examples.

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Subfamily SYMMOCINAE
(in the sense of Hodges 1978, p. 7)

• ***Oegoconia*** Stainton, 1854, p. 162. Type species *Recurvaria quadripuncta* Haworth, 1828, by monotypy.

caradjai Popescu-Gorj & Căpuse, 1965, p. 389 (*Oegoconia*).
New Zealand: adventive; recorded from NN (Meyrick 1911b, p. 69) as *Symmoca quadripuncta* [of authors].
Hudson 1928, p. 295, pl. xxxii fig. 12, as *Symmoca quadripuncta*. Philpott 1927j, p. 350, fig. 1, as *Oegoconia quadripuncta* [of authors].
Note. Agassiz (1982) gives a comprehensive diagnostic guide to *Oegoconia* species.

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Family COLEOPHORIDAE
(in the sense of Hodges 1978, pp. 7 and 9, in part)

Subfamily COLEOPHORINAE
(in the sense of Hodges 1978, p. 7)

• ***Coleophora*** Hübner, 1822, p. 67. Type species *Tinea ornatipennella* Hübner, 1796; Europe.

spissicornis Haworth, 1828, p. 537 (*Porrectaria*)
[Europe].
New Zealand: adventive; on clovers, throughout.
Note. New Zealand specimens agree externally and genitally with material from Merton, Norfolk (the type locality). Consistent differences were seen between these and *hieronella* Zeller (southern France) and *mayrella* Zeller (Corsica), both treated as synonyms of *spissicornis* by Patzak (1974).
Hudson 1939, p. 460, pl. lviii fig. 21.

trifolii Curtis, 1832, folio 391 (*Tinea*)
Europe.
New Zealand: adventive; on clovers, throughout.
Note. Bradley (1967, pp. 45–46) indicated – rather vaguely – the misapplication of *frischella*; Robinson & Nielsen (1983, pp. 211 and 212–213, fig. 20–23) verified this and illustrated differences. New Zealand specimens have the characters of *trifolii*.

frischella in the sense of authors, not of Linnaeus, 1758, p. 541 (*Phalaena Tinea*, sp. 389 [289])
[Europe].

alcyonipenella Kollar, 1832, p. 99 (*Ornix*). Synonymised by Patzak (1974, p. 245).
[Europe].
Not mentioned by Hudson.
Note. New Zealand references used this name until 1974.

versurella Zeller, 1849, p. 352 (*Coleophora*)
Europe.
New Zealand: adventive, on Amaranthaceae and Chenopodiaceae; present throughout, including Antipodes Islands.

Coleophora "sp. indet." Dugdale, 1971b, p. 77
Antipodes Islands, P.M. Johns; unique ♀, NZAC.

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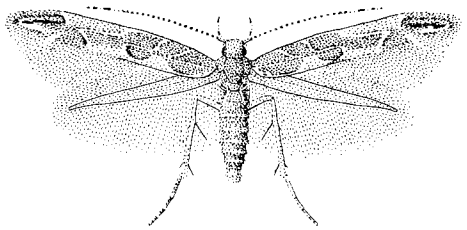
Family COSMOPTERIGIDAE
(in the sense of Hodges 1978, pp. 11–16)



Cosmopterigidae
(154) *Pyroderces apparitella* (Walker)

• ***Circoxena*** Meyrick, 1916b, p. 418. Type species *Circoxena ditrocha* Meyrick, by original monotypy.

ditrocha Meyrick, 1916b, p. 419 (*Circoxena*)
Wainuiomata WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, pp. 331–332, pl. xxviii fig. 19, in Plutellidae. Dugdale 1973b, p. 1020, in Cosmopterigidae.

• ***Limnaecia*** Stainton, 1851, p. 4. Type species *Limnaecia phragmitella* Stainton, by original monotypy.

phragmitella Stainton, 1851, p. 4 (*Limnaecia*)
[Europe].
New Zealand: self-adventive; on *Typha*, throughout.
Hudson 1928, p. 302, not figured.

• ***Microcolona*** Meyrick, 1897a, p. 371. Type species *M. limodes* Meyrick, by subsequent designation (Meyrick 1915b, p. 209).

characta Meyrick, 1897a, p. 374 (*Microcolona*)
Sydney N.S.W., E. Meyrick; LT ♂ selected by I.F.B. Common and here designated, labelled "Sydney N.S.W. 23/8/79", "Microcolona characta Meyr. 1/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 303, pl. xxviii fig. 8.
Note. Possibly *M. limodes* alone is present in New Zealand. A *characta* PLT from Nelson NN and the 8 additional specimens placed under *characta* from Wellington WN (sent by Hudson) differ from the Australian material in their shorter pecten on the antennal scape and their hind femoral and tibial black scale patches.

limodes Meyrick, 1897a, pp. 372–373 (*Microcolona*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch N. Zealand 9/3/82" "Microcolona limodes Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 303, not figured.

• ***Pyroderces*** of authors, partly of Hodges (1978, pp. 46–47)

Syntomactis Meyrick, 1889b, p. 173. Type species *Gelechia deamatella* Walker, by original monotypy. Synonymised by Meyrick (1924c, p. 91).

aellotricha Meyrick, 1889b, p. 175 (*Proterocosma*)
Hamilton WO, E. Meyrick; LT ♀ here designated, labelled "Hamilton New Zealand 17/1/80", "Pyroderces aellotricha Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", abdomen in capsule, BMNH.
Hudson 1928, p. 301, not figured; 1939, p. 441, pl. lviii fig. 5.
Note. Present also in eastern Australia, and very similar to *P. badia* Hodges.

anarithma Meyrick, 1889b, pp. 175–176 (*Proterocosma*)
[New Plymouth] "Taranaki" TK, E. Meyrick; LT ♂ here designated, labelled "Taranaki New Zealand 26/2/83", "Pyroderces anarithma Meyr. 2/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 302, pl. xxviii fig. 16.

apparitella Walker, 1864b, p. 1027 (*Gelechia*)
[Auckland AK], D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 301, pl. xxviii fig. 22.
Note. The BMNH collection has *apparitella* in *Labdia* Walker (type species *L. deliciosella* Walker, from eastern Australia), but the genitalia of the two species have markedly different specialisations.

deamatella Walker, 1864a, p. 654 (*Gelechia*)
[Nelson NN], T.R. Oxley; HT ♂ unique, head damaged, BMNH.
Hudson 1928, p. 303, pl. xxviii fig. 18, as *Syntomactis deamatella*.
Note. Meyrick's synonymy of *Syntomactis* with *Pyroderces* is contained in his discussion of *Leptozestis* Meyrick (Meyrick 1924c, p. 91).

Also 1 undescribed species (NZAC).

• ***Thectophila*** Meyrick, 1927a, p. 701. Type species *T. acmotypa* Meyrick, by original monotypy.

acmotypa Meyrick, 1927a, p. 701 (*Thectophila*)
Arthur's Pass NC/WD, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 302, pl. lii fig. 18.

Family LECITHOCERIDAE
(in the sense of Gozmany 1978)

• ***Lecithocera*** Herrich-Schaeffer, 1853, p. 45. Type species *Carcina luticornella* Zeller, 1839, by monotypy.

micromela Lower, 1897, p. 55 (*Lecithocera*)
Australia.
New Zealand: adventive; recorded since 1926, ND–NN.
Hudson 1939, p. 441, pl. lviii fig. 14.
Note. Philpott (1928a, p. 364) gives early records.

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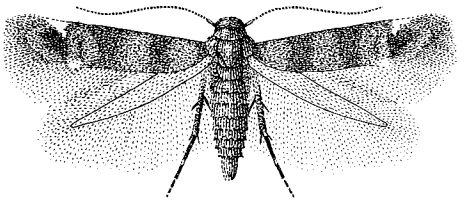
Family MOMPHIDAE
(in the sense of Riedl 1969, p. 639)

• ***Zapyrastra*** Meyrick, 1889b, p. 172. Type species *Zapyrastra calliphana* Meyrick, by original monotypy.

calliphana Meyrick, 1889b, p. 172 (*Zapyrastra*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 18/2/82", "Zapyrastra calliphana Meyr. 16/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 302–303, pl. xxviii fig. 20, in Cosmopterigidae.
Note. In Meyrick's Diary of Captures this species is first recorded as "Hel. chrysocarpa". Dugdale (1971c, pp. 67–69) gave life-history details, and misspelled the generic name as *Zapyrasta*.

stellata Philpott, 1931, p. 31 (*Elachista*) **new combination**
Pembroke [Wanaka] OL, C.E. Clarke; HT ♂ unique, AMNZ.
Hudson 1939, p. 459, pl. lx fig. 23, as *Elachista stellata*, in Elachistidae.

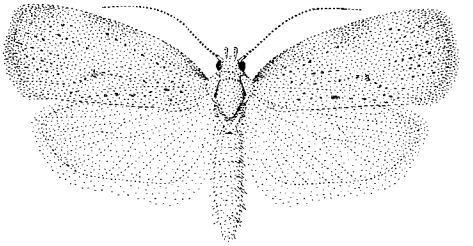
Also 1 undescribed species on *Haloragis*, Haloragidaceae (NZAC).



Momphidae
(155) *Zapyrastra calliphana* Meyrick

Family OECOPHORIDAE
(in the sense of Hodges 1974, pp. 7–9)

Subfamily DEPRESSARIINAE
(in the sense of Hodges 1974, p. 9)



Oecophoridae: Depressariinae
(156) *Proteodes carnifex* (Butler)

• ***Cryptolechia*** of authors, in part, but not of Zeller (1852, p. 106)

rhodobapta Meyrick, 1923, p. 166 (*Cryptolechia*)
Takapuna AK, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 294, pl. xlix fig. 25.

semnodes Meyrick, 1911b, p. 75 (*Cryptolechia*) **new combination**
Mount Arthur Tableland NN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 294, pl. xxxii fig. 22.
Note. Philpott (1927f, p. 110, fig. 46, and p. 113) queries the generic position of *semnodes*, the only species in the group with a gnathos.

• ***Eutorna*** Meyrick, 1889b, p. 157. Type species *E. caryochroa* Meyrick, by subsequent designation (Meyrick 1915b, p. 220).

Phyzanica Turner, 1917, p. 117. Type species *P. tapinopa* Turner, 1917, p. 117 (= *Eutorna pelogenes* Meyrick, 1906). Synonymised by Meyrick (1922d, p. 182, 183).
Note. This synonymy, listed in Gaede (1939, pp. 364–365), is apocryphal (I.F.B. Common, pers. comm.).

caryochroa Meyrick, 1889b, p. 157 (*Eutorna*)
["reserved bush and forest"], Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 6/1/80", "Eutorna caryochroa Meyr. 1/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 295, pl. xxxii fig. 9.

inornata Philpott, 1927d, p. 88 (*Eutorna*)
Seaward Moss, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, head and abdomen missing, NZAC.

Hudson 1939, p. 453, pl. lix fig. 19.
Note. The HT has forewing veins *CuA1* and *CuA2* short-stalked; the AT ♀ has these veins approximated at their base on the discal cell. A series of a pale *Eutorna* species from Miranda AK shows a similar range, and Meyrick's HT ♂ *symmorpha* has the same *Cu* condition as the *inornata* AT ♀.

phaulocosma Meyrick, 1906, pp. 41 (key) and 45 (*Eutorna*)
Mount Wellington Tasmania, E. Meyrick; LT ♂ selected by I.F.B. Common and here designated, labelled "Mt Wellington Tasmania 1.2.82", "Eutorna phaulacosma Meyr. 3/3 E. Meyrick det. in Meyrick Coll.", palpi missing, BM genitalia slide no. 18911, BMNH.
New Zealand: adventive; throughout, on introduced *Rubus* species.
Not mentioned by Hudson.

symmorpha Meyrick, 1889b, p. 158 (*Eutorna*)
[sandhills near] Kaiapoi NC, E. Meyrick; LT ♂ here designated, labelled "Kaiapoi New Zealand 31/3/82", "Eutorna symmorpha Meyr. 4/11 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 295, pl. xxxii fig. 8.
Note. Forewing *CuA1* and *CuA2* stalked in PLT ♂ 5/11 (Hamilton WO) and 1/11 (Whangarei ND; very pallid specimen); see *inornata*, above.

• ***Heliostibes*** in the sense of Meyrick (1888e, p. 82), not of Zeller (1874)

vibratrix Meyrick, 1927a, p. 702 (*Heliostibes*)
Mount Arthur NN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 307, pl. l fig. 21, in Glyphipterigidae.
Note. The HT ♀ lacks ocelli, and superficially resembles *Phaeosaces semnodes* Meyrick.

• ***Nymphostola*** Meyrick, 1883a, pp. 424 (key) and 491–492. Type species *Cryptolechia galactina* Felder & Rogenhofer, by original monotypy.

galactina Felder & Rogenhofer, 1875, pl. cxl fig. 34 (*Cryptolechia*)
[Nelson NN, T.R. Oxley]; HT ♀ designated by Felder, represented by 4 wings and meso/metathorax, BMNH.
Hudson 1928, pp. 291–292, pl. xxv fig. 20.

• ***Proteodes*** Meyrick, 1883a, pp. 425 (key) and 492 (description). Type species *Cryptolechia carnifex* Butler, by original monotypy.

carnifex Butler, 1877, p. 406 (*Cryptolechia*)
[Castle Hill Station MC], J.D. Enys; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 292, pl. xxxii fig. 23–25.

rufosparsa Butler, 1877, p. 406 (*Cryptolechia*). Synonymised by Meyrick (1883a, p. 493).
[Castle Hill Station MC], J.D. Enys; HT ♀ unique, abdomen glued on back to front, BMNH.

clarkei Philpott, 1926a, pp. 396–397 (*Proteodes*)
Hunter Mountains FD, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 293, pl. lii fig. 27.
Note. Philpott (1931, p. 33) described the brachypterous female.

melographa Meyrick, 1927a, pp. 700–701 (*Proteodes*)
Mount Arthur NN, 4000 ft, S. Woodward; HT ♂ unique, BMNH.
Hudson 1928, p. 292, pl. lii fig. 20.

varia Philpott, 1928a, p. 368 (*Proteodes*). Synonymised by Meyrick (1936, p. 283)
Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 452, as synonym.

profunda Meyrick, 1905, p. 236 (*Proteodes*)
Mount Holdsworth WN, 2000 ft, G.V. Hudson; HT ♂ unique, right forewing missing, BMNH.
Hudson 1928, p. 293, pl. xxv fig. 42.

smithi Howes, 1946, p. 146 (*Proteodes*)
Homer FD, T.R. Smith; HT ♂ unique, designated by Howes, NMNZ.
Not mentioned by Hudson.

Also 2 undescribed species (B. Patrick Collection, Dunedin).

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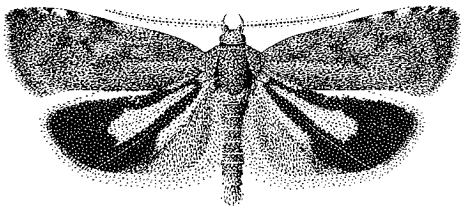
Subfamily OECOPHORINAE
(in the sense of Hodges 1974, pp. 9 and 97)

Group A: Oecophorinae with ocelli, *Imma*-like in appearance. Philpott (1927i, pp. 346–347) describes and illustrates genitalia of 5 species.

• ***Coridomorpha*** Meyrick, 1914a, p. 111. Type species *C. stella* Meyrick, by original monotypy.

stella Meyrick, 1914a, p. 111 (*Coridomorpha*)
Kauri Gully, Auckland AK, Stella Hudson; HT ♀ unique, labelled as LT by J.B. Heppner (1976), BMNH.
Hudson 1928, p. 305, pl. xxxiii fig. 7 and 8.
Note. A ♀ from Karori WN also mentioned by Meyrick (1914a, p. 111) has colour pattern elements on the forewing that Meyrick would have mentioned had he seen it. I conclude that his description is based on the single specimen now in BMNH.

Also 1 undescribed species (NZAC).



Oecophoridae: "Oecophorinae"
(157) *Hierodoris illita* (Felder & Rogenhofer)

• ***Hierodoris*** Meyrick, 1912d, p. 41. Type species *Hierodoris iophanes* Meyrick, by original monotypy.

Heliostibes in the sense of Meyrick (1888e, p. 82), not of Zeller (1874).
Note. Examination of *H. mathewi* Zeller from Chile shows that true *Heliostibes* shares no genital characters with the New Zealand species, and ocelli are absent.

Taoscelis Meyrick, 1938, p. 428. Type species *Taoscelis crocostoma* Meyrick, by original monotypy. **New synonymy.**

atychioides Butler, 1877, pp. 405–406 (*Tachyptilia*). **New combination**
Type locality not stated, specimens from "Colls Dr Hector and JD Enys, Esq.", i.e., Dunedin DN or Christchurch MC; HT ♀ designated by Butler, BMNH.
Hudson 1928, pp. 306–307, pl. xxxiii fig. 23, after Meyrick 1888e, p. 83; as *Heliostibes atychiodes*, in Glyphipterigidae.

gregalis Philpott, 1928a, p. 369 (*Heliostibes*). Synonymised by Hudson (1939, p. 456).
Russell ND, Mr Florance; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 456, as synonym.

barbarica Philpott, 1930b, p. 12 (*Heliostibes*). Synonymised by Hudson (1939, p. 456).
Whangarei ND, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 456, as synonym.
Note. The HT agrees externally with *H. atychioides* in the long antennal ciliations and the uninflated valvae.

bilineata Salmon, 1948, p. 310 (*Heliostibes*). **New combination**
Great Island, Three Kings Islands, E.G. Turbott; HT ♂ designated by Salmon, AMNZ.

callispora Meyrick, 1912d, p. 41 (*Heliostibes*). **New combination**
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 306, pl. xxxiii fig. 24, in Glyphipterigidae.

chlorobela Meyrick, 1921, p. 334 (*Heliostibes*). **New combination**
Mount Arthur NN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 307, pl. xlix fig. 27 and 28; 1950, p. 111, pl. iv fig. 1; in Glyphipterigidae.

electrica Meyrick, 1889b, p. 157 (*Heliostibes*). **New combination**
[Mount Peel NN], E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 306, pl. xxxiii fig. 26, in Glyphipterigidae.
Note. Meyrick's Diary of Captures and his labels on *Borkhausenia siderota* agree in showing that *B. siderota* (as "Hel. siderota") was taken from *Aciphylla* flowers on Mount Arthur NN on 16 January 1886. On 17 January 1886, on Mount Peel, Meyrick records "Hel. electrica, 1", and this I interpret as the HT. In my experience *H. electrica* rarely strays from its host, *Cassinia* species (Asteraceae).

eremita Philpott, 1930c, p. 438 (*Hierodoris*)
Ball Glacier MK, A. Philpott; HT ♀ designated by Philpott, CMNZ.
Hudson 1939, p. 456, pl. lx fig. 10, in Glyphipterigidae.

frigida Philpott, 1923, p. 153 (*Hierodoris*)
Dun Mountain NN/MB, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 305–306, pl. xlix fig. 16, in Glyphipterigidae.

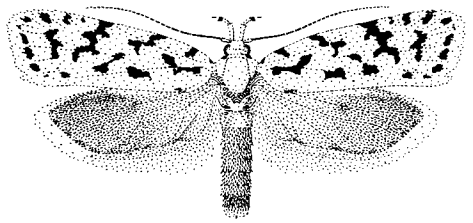
crocostoma Meyrick, 1939, p. 428 (*Taoscelis*). **New synonymy.**
Freehold Range MK, S. Lindsay; HT ♂ unique, designated by Meyrick, CMNZ.
Hudson 1939, p. 451, pl. lvii fig. 29, in Oecophoridae.

illita Felder & Rogenhofer, 1875, pl. cxl fig. 32 (*Atychia*). **New combination**
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 307, pl. xxxiii fig. 25, as *Heliostibes illita*, in Glyphipterigidae.

iophanes Meyrick, 1912d, p. 42 (*Hierodoris*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 305, pl. xxxiii fig. 3, in Glyphipterigidae.

Also 6 undescribed species (NZAC).

Group B: Oecophorinae without ocelli



Oecophoridae: Oecophorinae
(158) *Izatha peroneonella* (Walker)

• ***Atomotricha*** Meyrick, 1883a, p. 423 (key); 1883e, pp. 324–325. Type species *A. ommatias* Meyrick, by original monotypy.

Brachysara Meyrick, 1883a, p. 424 (key); 1883e, p. 325. Type species *Oecophora sordida* Butler, by monotypy. Synonymised by Meyrick (1914a, p. 109).

chloronota Meyrick, 1914a, p. 110 (*Atomotricha*)
Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand P. /00", "Atomotricha chloronota Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 288, not figured.

exsomnis Meyrick, 1913a, pp. 26–27 (*Atomotricha*)
Ohakune TO/RI, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 288, pl. xxv fig. 41.

isogama Meyrick, 1909a, pp. 13–14 (*Atomotricha*)
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand. GVH /93", "Atomotricha isogama Meyr. 9/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 288, pl. xxv fig. 40.

lewisi Philpott, 1927d, p. 87, fig. 5 (*Atomotricha*)
?Central Otago CO, J.H. Lewis; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 451, not figured.

oeconoma Meyrick, 1914a, p. 110 (*Atomotricha*)
Karori, Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 8.12", "Atomotricha oeconoma Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 288, pl. xxxi fig. 16, 22, and 29.

ommatias Meyrick, §1883c, p. 522; 1883e, p. 325, abbreviated description; 1884a, p. 10, full description (*Atomotricha*)
Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 24/9/82", "Atomotricha ommatias Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 287–288, not figured.

prospiciens Meyrick, 1924b, p. 662 (*Atomotricha*)
[Pompolona Huts, Milford Track FD], C.E. Clarke; HT ♂ unique, BMNH.
Hudson 1928, p. 289, pl. li fig. 1 and 2.
Note. Hudson states "taken by Mr C.E. Clarke at Pompolona, Te Anau–Milford Track, and at Orepuki, Southland". Meyrick's label reads "Dunedin New Zealand E.C.C. 12.19", and his description states "Dunedin".

sordida Butler, 1877, p. 405 (*Oecophora*)
Dunedin DN or Christchurch or Castle Hill MC, J. Hector or J.D. Enys; HT ♂ designated by Butler, BMNH.
Hudson 1928, p. 288, pl. xxxi fig. 15.

versuta Meyrick, 1914a, p. 109 (*Atomotricha*)
Karori, Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 8.12", "Atomotricha versuta Meyr. 1/17 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 287, pl. xxxi fig. 7, 14, and 18–21.
Note. Philpott (1927f, p. 109) could not separate *A. versuta*, *A. chloronota*, and *A. sordida* on genital characters.

Also 1 undescribed species (NZAC).

• ***Barea*** Walker, 1864a, p. 819. Type species *Barea consignatella* Walker, by original monotypy.

Phloeopola Meyrick, 1883a, p. 423 (key); 1883e, pp. 347–348. Type species *Oecophora confusella* Walker, by subsequent designation (Meyrick 1915b, p. 218). Synonymised by Meyrick (1915b, p. 218).

confusella Walker, 1864a, pp. 682–683 (*Oecophora*)
Sydney N.S.W., Lambert; LT ♂ selected and labelled by I.F.B. Common, BMNH.
New Zealand: adventive; so far restricted to AK.
Not mentioned by Hudson.
Note. The HT has yellowish hindwings (see below), as have specimens in BMNH from "NSWales" (Mathew) and Parramatta N.S.W., and in ANIC from Bunya Mountains Qld to Canberra A.C.T., although the apices may be darkened. Specimens in BMNH from Gisborne Vict. and Hobart Tasm. and in ANIC from Eumungerie N.S.W. have grey hindwings.

confusella in the sense of Philpott (1927f, pp. 108 and 111, fig. 37) (*Barea*)
New Zealand: adventive (Meyrick 1911b, p. 69); throughout, including Chatham Islands.
Hudson 1928, p. 289, pl. xxxiii fig. 11.
Note. Hudson (1928) noted that New Zealand specimens (first recorded in 1908) were of the "Victorian form

with grey hindwings". Philpott's drawing of genitalia matches those of 'grey' specimens in both countries but not those of HT *confusella* nor of New Zealand 'yellow' specimens, which have the valval costa produced into a long, acute process with or without 1 or 2 obscure 'teeth' on the ventral margin. As New Zealand has received both morphs, it will be interesting to see whether they interact.

consignatella Walker, 1864a, pp. 819–820 (*Barea*)
Moreton Bay Qld, Diggles; HT ♂ unique, BMNH.
New Zealand: adventive; recorded ND–AK from dead wood in urban areas.
Not mentioned by Hudson.
Note. New Zealand specimens agree with the HT, possessing the characteristic rose-flushed scales.

exarcha Meyrick, 1883e, pp. 357–358 (*Phloeopola*)
Mount Gambier S. Austr., E. Meyrick; HT ♂ unique, BMNH.
New Zealand: adventive; throughout.
Hudson 1928, pp. 289–290, pl. li fig. 20.

planetella Hudson, 1923d, p. 218 *Izatha*. Synonymised by Philpott (1927d, p. 88) under *Barea exartha*.
?Ohakune RI/TO, S. Lindsay; HT ♀ unique, CMNZ.
Hudson 1928, p. 289, as synonym.

Also 1 undetermined species from HB–WN (NZAC).

• ***Borkhausenia*** of authors

morella Hudson, 1939, pp. 444–445 (*Borkhausenia*) **new combination**
Onehunga AK, A.J. Hipwell; HT not located in NMNZ.
Hudson 1939, pp. 444-445, pl. lxi fig. 31, as *Borkhausenia morella*.
Note. The large compound eyes and lack of gnathos modifications exclude this species from *Tingena*.

• ***Chersadaula*** Meyrick, 1923, p. 165. Type species *Chersadaula ochrogastra* Meyrick, by original monotypy.

ochrogastra Meyrick, 1923, p. 165 (*Chersadaula*)
Breaker Bay, Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH bred 11.20", "Chersadaula ochrogastra Meyr. 2/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 272, pl. xlix fig. 4 and 12.
Note. The ♂ genitalia figured by Philpott (1927f, p. 110, fig. 51) differ from those of a specimen from Stephens Island, Cook Strait (BM genitalia slide no. 3100).

Also 1 undescribed species (BMNH, NMNZ).

• ***Compsistis*** Meyrick, 1888e, p. 89. Type species *Gelechia bifaciella* Walker, by original monotypy.

bifaciella Walker, 1864, pp. 657–658 (*Gelechia*)
[Auckland AK], D. Bolton; LT ♀ selected by H. Durrant, labelled "Gelechia bifasciella Wkr Cat. Lep. Het. BM 29, p. 657 (1864) Type ♀", "N. Zeal 54.4" (circular label), abdomen missing, BMNH.
Hudson 1928, p. 273, pl. xxx fig. 14.

• ***Corocosma*** Meyrick, 1927a, p. 699. Type species *C. memorabilis* Meyrick, by original monotypy.

memorabilis Meyrick, 1927a, p. 700 (*Corocosma*)
Shedwood Forest, Tapawera NN, Stella Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 287, pl. lii fig. 12.

• ***Endrosis*** Hübner, 1825, p. 401. Type species *Tinea betulinella* Hübner, 1818–19 (= *Tinea sarcitrella* Linnaeus), by subsequent designation (Busck 1908, p. 203).

sarcitrella Linnaeus, 1758, p. 536 (*Phalaena Tinea*)
Europe. New Zealand: adventive; human habitation and birds' nests, throughout. On The Snares and subantarctic islands only in dwellings.
Hudson 1928, p. 260, pl. xxviii fig. 12, as *Endrosis lacteela*.

subditella Walker, 1864a, p. 657 (*Gelechia*). Synonymised by Meyrick (1889b, p. 160).
"New Zealand", J. Clarke Ross; HT ♂ unique, BMNH [not seen].

• ***Eulechria*** Meyrick, 1883a, pp. 424 (key) and 508. Type species *Eulechria exanimis* Meyrick, 1883a, pp. 511 (key) and 519, by subsequent designation (Meyrick 1915b, p. 218).

zophoessa Meyrick, 1883a, pp. 510 (key) and 515–516 (*Eulechria*)
[Botanic Gardens], Wellington WN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 290, pl. xxxii fig. 27.

• ***Euchersadaula*** Philpott, 1926c, p. 414. Type species *Trachypepla lathriopa* Meyrick, by original designation.

lathriopa Meyrick, 1905, p. 237 (*Trachypepla*)
Nelson NN, E. Meyrick; LT ♂ here designated, labelled "Nelson New Zealand 12/1/86", "Euchersadaula lathriopa Meyr. 9/10 E. Meyrick det. in Meyrick Coll.", abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 273, pl. xxxi fig. 13.

tristis Philpott, 1926a, p. 393, fig. 9 and 10 (*Euchersadaula*)
Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 273, not figured, and p. 286, pl. xxxi fig. 12, as *Trachypepla anastrella* (Hudson 1939, p. 446).

Note. Philpott's papers in *Transactions of the New Zealand Institute 56* were printed in reverse order, so that the description of *Euchersadaula* is preceded by the description of *Euchersadaula tristis*. As the author's intention is clear, no corrective action is needed.

• ***Euthictis*** Meyrick, 1914b, p. 246. Type species *Compsotropha xanthodelta* Meyrick, by original designation; Australia.

chloratma Meyrick, 1916b, p. 416 (*Trachypepla*)
Table Hill SI, A. Philpott; HT ♂ unique, abdomen distorted, BMNH.
Hudson 1928, p. 291, pl. xlvi fig. 3.
Note. On genital and head characters *E. chloratma* may be better placed in genus *Tingena* (p. 99); its current placing is dictated by forewing vein *R5* ending on the termen, not the costa.

• ***Gymnobathra*** Meyrick, 1883a, p. 423 (key); 1884a, pp. 27–28. Type species *Gelechia flavidella* Walker, by subsequent designation (Meyrick 1915, p. 214).

Leptosaces Meyrick, 1888e, p. 77. Types species *Leptosaces callixyla* Meyrick, by original monotypy. **New synonymy.**
Note. The ♂ genitalia of *L. callixyla* resemble those of *G. caliginosa* and *G. cenchrias* as figured by Philpott (1927b, p. 720, fig. 9 and 12). In habitus and colour pattern *L. callixyla* resembles *G. caliginosa*. *Leptosaces* is here removed from synonymy with *Barea* and synonymised with *Gymnobathra* (see Philpott 1927b, p. 720, fig. 9 and 12; 1927f, p. 108, fig. 37).

ambigua Philpott, 1926a, p. 396, fig. 21 and 22 (*Barea*) **new combination**
Horseshoe Lake, Christchurch MC, W. Heighway; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 289, pl. lii fig. 15, as *Barea ambigua*.

bryaula Meyrick, 1905, pp. 238–239 (*Gymnobathra*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 276, pl. xxx fig. 22 and 23.

caliginosa Philpott, 1927a, p. 707 (*Gymnobathra*)
Cooper's Knob, Port Hills MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 447, pl. lix fig. 28.

calliploca Meyrick, 1883c, p. 523; 1884a, pp. 28 (key) and 30–31 (*Gymnobathra*)
Dunedin DN, A. Purdie; HT ♂ unique, worn, BMNH.
Hudson 1928, p. 276, pl. xxx fig. 9.
Note. The HT valva and uncus differ from those figured by Philpott (1927b, p. 719, fig. 8).

callixyla Meyrick, 1888e, p. 78 (*Leptosaces*) **new combination**
Nelson NN, E. Meyrick; LT ♂ here designated, labelled "Nelson New Zealand 12/1/86", "Cryptolechia callixyla Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 293, not figured, as *Cryptolechia callixyla*.
Note. The PLT ♀ is perhaps not conspecific.

cenchrias Meyrick, 1909a, p. 13 (*Borkhausenia*)
Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, pp. 274–275, pl. xxix fig. 30, as *Gymnobathra cenchrias*.
Note. Philpott (1926b, p. 401) removed *cenchrias* to *Gymnobathra*.

dinocosma Meyrick, §1883c, p. 522 (as *dinacosma*); 1883e, pp. 348 (key) and 349, abbreviated description; 1884a, p. 12, full description (*Phloeopola*) **new combination**
"Wellington" WN, E. Meyrick; [HT ♂ destroyed; letter from Meyrick to Hudson, 12 April 1889]. Candidate NT material in BMNH.
Hudson 1928, p. 289, pl. xxxii fig. 10, as *Barea dinocosma*.
Note. Meyrick's HT was recorded in his Diary of Captures for 1 January 1880 as "Oe. dinophorella, 1". The specimen Meyrick was "glad to get" from Hudson (Meyrick's letter to Hudson, 12 April 1889) is also from Wellington, and is labelled "Barea dinocosma Meyr. 3/9 E. Meyrick det. in Meyrick Coll." (BMNH). The tegumen and most of the valvae are missing. Should a NT ever be needed, specimens 3/9 and 9/9 (the latter also from Wellington, and bearing Meyrick's label "dinocosma Meyr.") are candidates.

thetodes Meyrick, 1901, p. 574 (*Gymnobathra*). **New synonymy.**
Akaroa, Banks Peninsula MC, R.W. Fereday; LT ♂ here designated, labelled "Akaroa New Zealand RWF 16/1/72", "Gymnobathra thetodes Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", valval tips broken, BMNH.
Hudson 1928, p. 276, pl. xxx fig. 24, as species.
Note. Genitalia and colour pattern agree with Wellington *dinocosma*, particularly with *dinocosma* specimen 9/9, which bears a note in Meyrick's handwriting "dinocosma Meyr." and a label "Wellington New Zealand GVH /96".

flavidella Walker, 1864a, p. 655 (*Gelechia*)
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 275, pl. xxx fig. 18 and 19.

utuella Felder & Rogenhofer, 1875, p. cxl fig. 46 (*Oecophora*). Synonymised by Meyrick (1884a, p. 31).
[Nelson NN, T.R. Oxley]; HT ♀ unique, abdomen and hindwings glued on, BMNH.
Hudson 1928, p. 275, as synonym.

hamatella Walker, 1864a, p. 700 (*Oecophora*)
[Nelson NN], T.R. Oxley; LT ♀ here designated, labelled "Oecophora hamatella Wkr Cat. Lep. Het. BM 29 p.700 (1864) Type ♂", "Auckland N. Zeal. 60-73" (circular label), abdomen missing, BMNH.

Hudson 1928, p. 274, pl. xxx fig. 16 and 17.

omichleuta Meyrick, 1929, p. 489 (*Gymnobathra*). **New synonymy.**
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 3.29", "Gymnobathra omichleuta Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Note. Except for the overall grey-brown shading, the LT ♂ and the PLT ♂ are indistinguishable from *hamatella* ♂♂ on colour pattern and external genital features, and the two taxa are here synonymised (cf. distinctions between *G. hyetodes* and *G. hamatella* – Philpott 1927b, p. 718, fig. 2 and 4).

hyetodes Meyrick, §1883c, pp. 523–524; 1884a, pp. 28 (key) and 32–33 (*Gymnobathra*)
Wellington WN, R.W. Fereday; LT ♂ here designated, labelled "Wellington New Zealand R.W.F. 82", "Gymnobathra hyetodes Meyr. 2/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 274, pl. xxx fig. 11 and 12.

inaequata Philpott, 1928a, p. 367 (*Gymnobathra*)
Dun Mountain NN/MB, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 447, pl. lix fig. 16.

jubata Philpott, 1918, p. 131 (*Dolichernis*)
Tisbury, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 325, pl. xl fig. 5, as *Dolichernis jubata*, in Plutellidae.
Note. Venation, the scaled haustellum, head characters, and external genital characters agree with *Gymnobathra* and Oecophoridae. The colour pattern is reminiscent of the BMNH ♀ specimen of *G. callixyla*.

levigata Philpott, 1928a, pp. 366–367 (*Gymnobathra*)
Dun Mountain NN/MB, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 447, pl. lix fig. 17.

omphalota Meyrick, 1888e, p. 81 (*Gymnobathra*)
Lake Wakatipu OL, E. Meyrick; LT ♀ here designated, labelled "L. Wakatipu New Zealand 16.12.82", "Gymnobathra omphalota Meyr. 4/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 277, pl. xxx fig. 25 and 26.

origenes Meyrick, 1936, p. 282 (*Gymnobathra*)
Mount St Arnaud BR/MB, S. Lindsay; HT ♀ unique, left forewing and abdomen missing, CMNZ.
Hudson 1939, p. 448, pl. lxii fig. 17.

parca Butler, 1877, p. 405 (*Oecophora*)
Canterbury MC or Dunedin DN, J.D. Enys or J. Hector; HT ♂ designated by Butler, BMNH.
Hudson 1928, p. 276, pl. xxx fig. 1 and 2, as *Gymnobathra parca* (see Meyrick §1883c, p. 523; 1884a, p. 29).

limbata Butler, 1880, p. 560 (*Oecophora*). Synonymised by Meyrick (1915b, p. 215).
Blenheim MB, W. Skellon; HT ♂ designated by Butler, BMNH.
Hudson 1928, p. 276, as synonym of *Gymnobathra parca*.

philadelpha Meyrick, 1883c, p. 524; 1884a, pp. 28 (key) and 33 (*Gymnobathra*)
[bush gully north of Conical Hill], Mount Hutt MC, R.W. Fereday; LT ♀ here designated, labelled "Mt Hutt New Zealand RWF .82", "Gymnobathra philadelpha Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 274, not figured.

habropis Meyrick, 1888c, pp. 80–81 (*Gymnobathra*). Synonymised by Philpott (1927b, pp. 716–717).
Nelson NN, E. Meyrick; LT ♂ here designated, labelled "Nelson New Zealand 22/1/86", "Gymnobathra habropis Meyr. 3/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 274, pl. xxx fig. 10, as species.

primaria Philpott, 1928a, p. 366 (*Gymnobathra*)
Mount Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 447, pl. lix fig. 18.

rufopunctella Hudson, 1950, p. 107, pl. v fig. 7 (*Gymnobathra*)
Day's Bay WN, G.V. Hudson; LT ♂ here designated, labelled "1161a" ["Days Bay Nov. 22. 1929"], NMNZ.

sarcoxantha Meyrick, §1883c, p. 523; 1884a, pp. 28 (key) and 29 (*Gymnobathra*)
[reserved bush and forest], Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 6.1.80", "Gymnobathra sarcoxantha 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 275, not figured as such, but pl. xxx fig. 15 refers.

coarctatella not of Walker, but in the sense of Meyrick (§1883c, p. 523; 1884a, p. 28 (*Gymnobathra*)
Hudson 1928, p. 275, pl. xxx fig. 15.
Note. *Cryptolechia coarctatella* Walker is a senior synonym of *Phaeosaces liochroa* Meyrick (q.v.).

squamea Philpott, 1915, p. 200 (*Gymnobathra*)
Mount Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 277, pl. xxx fig. 13.

nigra Philpott, 1930b, pp. 9–10 (*Gymnobathra*). Synonymised by Hudson (1939, p. 447).
Kepler Mountains FD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 447, as synonym.

tholodella Meyrick, §1883c, p. 523 (abstract); 1884a, pp. 28 (key) and 30 (*Gymnobathra*)

[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 18/2/82", "Gymnobathra tholodella Meyr. 8/12 E. Meyrick det. in Meyrick Coll.", genitalia with left valva missing, BMNH.
Hudson 1928, pp. 276–277, pl. xxx fig. 3.

• ***Hofmannophila*** Spuler, 1910, p. 340. Type species *Oecophora pseudospretella* Stainton, by monotypy.

pseudospretella Stainton, 1849, p. 14 (*Oecophora*)
Europe.
New Zealand: adventive; human habitation and birds' nests, throughout.
Hudson 1928, p. 271, pl. xxx fig. 7, as *Borkhausenia pseudospretella.*

• ***Izatha*** Walker, 1864a, p. 786. Type species *Izatha attactella* Walker, by original monotypy.

Aochleta Meyrick, 1883a, p. 425 (key); 1884a, p. 21 (description and included species). Type species *A. psychra* Meyrick, by original monotypy. **New synonymy.**

Semiocosma Meyrick, 1883a, p. 424 (key); 1884a, p. 21 (description and included species). Type species *Gelechia peroneonella* Walker, by subsequent designation (Meyrick 1915b, p. 215). Synonymised by Meyrick (1905, p. 238).

Zirosaris Meyrick, 1910a, p. 66. Type species *Zirosaris amorbas* Meyrick, by original monotypy. Synonymised by implication (Meyrick, 1920a, p. 31).

amorbas Meyrick, 1910a, p. 66 (*Zirosaris*)
Broken River MC, J.H. Lewis; HT ♂ not in BMNH.

amorbas Meyrick, 1911b, p. 66 (*Trachypepla*). Synonymised by Hudson (1928, p. 282).
Invercargill SL, A. Philpott; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 282, pl. xxxii fig. 7, as *Izatha amorbas.*
Note. Meyrick (1919, p. 353) transferred *amorbas* from *Trachypepla* to *Izatha* on the basis of more Invercargill specimens received from Philpott. NZAC also has Invercargill specimens.

apodoxa Meyrick, 1888e, pp. 79–80 (*Semiocosma*)
Wellington WN, A. Purdie; LT ♂ here designated, labelled "Wellington New Zealand /84", "Izatha apodoxa Meyr. 3/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 279–280, pl. xxxii fig. 2.

attactella Walker, 1864a, p. 787 (*Izatha*)
[Auckland AK], D. Bolton; LT ♂ (?selected by H. Durrant from the 15 STs) labelled "Izatha attactella Wkr Cat. Lep. BM 29 p.787 (1864) Type ♂", "New Zeal. 54.4", "Holotype", BMNH.
Hudson 1928, p. 280, pl. xxv fig. 30 and 31. Philpott 1927f, p. 104, fig. 10.

platyptera Meyrick, 1888e, p. 80 (*Semiocosma*). Synonymised by Meyrick (1915b, p. 215).
Wellington WN, G.V. Hudson; LT ♀ selected by P.A. Brown and here designated, labelled "Wellington New Zealand GVH /85", "Izatha attactella Walk. 7/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 280, as synonym.

austera Meyrick, §1883c, p. 523 (summary); 1884a, pp. 25–26 (*Semiocosma*)
[Botanic Gardens and forest], Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 1/1/80", "Izatha austera Meyr. 1/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 282, pl. xxxii fig. 6.

balanophora Meyrick, 1897b, p. 389 (*Semiocosma*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 448, pl. lix fig. 8.

milligani Philpott, 1927d, p. 87 (*Izatha*). Synonymised by Hudson (1939, p. 448).
Leigh AK, D.D. Milligan; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 448, as synonym.

caustopa Meyrick, 1892, p. 219 (*Semiocosma*)
Wellington WN, G.V. Hudson; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 280, pl. xxv fig. 25.

churtoni Dugdale, **new species** for *picarella* var. β Walker (*Izatha*)

***picarella* var.** β Walker, 1864, p. 699 (*Oecophora*)
[?Auckland AK], J.F. Churton; HT ♀ unique, labelled "var. β", "51.136 N. Zeal." (circular label), BMNH.
Hudson 1928, p. 279, pl. xxv fig. 39, as *Izatha picarella.*
Note. Walker stated that var. β is characterised by its uniformly grey hindwings. It also has the forewing termen black and white (all white in *I. picarella*), and ♂ genitalia markedly different from those of *I. picarella* as figured by Philpott (1927f, p. 106, fig. 15).

convulsella Walker, 1864a, p. 656 (*Gelechia*)
[Nelson NN], T.R. Oxley; LT ♀ selected by H. Durrant as "Type", labelled "379 Gelechia convulsella" [printed], "Gelechia convulsella Wkr Cat. Lep. BM 29 p.656 (1864) Type ♀", "Auckland N. Zeal. 60-73" [circular], "Type", metathorax and abdomen glued, BMNH.
Hudson 1928, p. 282, pl. xxxi fig. 1.

paraneura Meyrick, 1892, p. 219 (*Semiocosma*). Synonymised by Meyrick (1915, p. 216).
Wellington WN, G.V. Hudson; LT ♀ here designated, labelled "Wellington New Zealand GVH /90", "Izatha convulsella Meyr. 5/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 282, as synonym.

copiosella Walker, 1864b, p. 1028 (*Gelechia*)
[Nelson NN], T.R. Oxley; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 280, pl. xxv fig. 27, but not fig. 26.
Note. Hudson's fig. 26 on pl. xxv represents an unnamed species. See entry at end of *Izatha* species, below.

epiphanes Meyrick, §1883c, p. 523; 1884a, pp. 24–25 (*Semiocosma*)
Wellington WN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 281, pl. xxv fig. 24.

florida Philpott, 1927d, p. 86 (*Izatha*)
Mount Arthur Tableland NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 448, pl. lix fig. 10.

griseata Hudson, 1939, p. 448 (*Izatha*)
Mataitai, Auckland AK, C.E. Clarke; HT ♀ unique, not located in AMNZ.
Hudson 1939, p. 448, pl. lxii fig. 2.

heroica Philpott, 1926a, p. 396 (*Izatha*)
Flora River, Mount Arthur NN, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1928, pp. 278–279, pl. xxxii fig. 32 and 33.

toreuma Clarke, 1926, p. 419 (*Izatha*). Synonymised by Hudson (1928, p. 278).
Arthur's Pass NC/WD, C.E. Clarke; HT ♀ unique, AMNZ.
Hudson 1928, p. 278, as synonym.

hudsoni Dugdale, **new species** for *huttoni* of authors, but not Butler (*Izatha*)

huttoni not of Butler (1879a) but in the sense of Meyrick (1916b, p. 416) and Hudson (1928, p. 278, pl. xxv fig. 43)
Karori, Wellington WN, G.V. Hudson; HT ♂ designated by Dugdale, genitalia on Philpott genitalia slide, NZAC.
Hudson 1928, p. 278, pl. xxv fig. 43. Philpott 1927f, pp. 105 and 106, fig. 13.

manubriata Meyrick, 1923, pp. 165–166 (*Izatha*)
Lake Wakatipu OL, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 279, pl. xxx fig. 8.

mesoschista Meyrick, 1931a, p. 96 (*Izatha*)
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH .11", "Izatha mesoschista Meyr. 4/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 279, pl. xxxii fig. 3, as ♂ *Izatha balanophora*; 1939, p. 448.

metadelta Meyrick, 1905, p. 238 (*Izatha (Semiocosma)*)
Wellington WN, G.V. Hudson; LT ♀ here designated, labelled "Wellington New Zealand GVH /03", "Izatha metadelta Meyr. 6/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 281, pl. xxx fig. 20 and 21.

percnitis Meyrick, 1909a, p. 14 (*Izatha*). Synonymised by Meyrick (1912c, p. 121).
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH /00", "Izatha metadelta Meyr. 2/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 281, as synonym.

mira Philpott, 1913, p. 78 (*Izatha*)
The Hump FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 281, pl. xxxi fig. 6.

oleariae Dugdale, 1971b, pp. 133–134 (*Izatha*)
Station Point, The Snares islands, P.M. Johns; HT ♂ designated by Dugdale, NZAC.

peroneanella Walker, 1864a, p. 658 (*Gelechia*)
[Auckland AK], D. Bolton; LT ♂ selected by H. Durrant and here designated, labelled "Gelechia peroneanella Wlkr Cat. Lep. BM 29 p.658 (1864) Type ♂", "New Zeal. 54.4" (circular label), "Type HT" (red-margined circular label), BMNH.
Hudson 1928, p. 278, but pl. xxv fig. 54 portrays a colour pattern different from that of the type population.
Note. Durrant's PLT *peroneanella* (from Nelson NN!) has a different forewing pattern.

?adapertella Walker, 1864a, p. 653 (*Gelechia*). Synonymised by Meyrick (1915, p. 215).
[Auckland AK], D. Bolton; HT (?♂) unique, lost [Durrant, Stringer]; specimen in its place is *Endrosis sarcitrella* [Durrant; Stringer]; BMNH.
Note. Walker's description agrees with a faded, weakly marked *peroneanella*.

lichenella Walker, 1864a, p. 769 (*Cryptolechia*). Synonymised by Meyrick (1884a, p. 22).
Auckland AK, A. Sinclair; HT ♂ unique, BMNH.
Note. HT *lichenella* has forewing markings as in LT *peroneanella* but brown, not black.

huttoni Butler, 1879a, p. 511 (*Oecophora*). Synonymised by Meyrick (1884a, p. 22).
[?Dunedin DN], "Otago", F.W. Hutton; HT ♀ unique, BMNH.
Hudson 1928, pl. xxv fig. 54 (illustrates colour pattern).

mystis Meyrick, 1888e, p. 79 (*Semiocosma*). Synonymised by Meyrick (1915, p. 215).
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♀ here designated, labelled "Christchurch New Zealand 23/12/82", "Izatha peroneanella Walk., 9/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pl. xxv fig. 54 (illustrates colour pattern).
Note. Speciments from south of Auckland have the forewing discal black marks either separate (typical *peroneanella*) or joined to form an oblique *M* (typical *huttoni* and *mystis*). South Island specimens (including Durrant's PLT *peroneanella* collected by Oxley) are all of the *huttoni / mystis* pattern as illustrated by Hudson.

phaeoptila Meyrick, 1905, pp. 236–237 (*Trachypepla*)
Mangatarere River WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 282, pl. xxxi fig. 27.

picarella Walker, 1864a, p. 699 (*Oecophora*); Meyrick, 1884a, p. 23 (*Semiocosma*)
[Nelson NN], T.R. Oxley; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 279, pl. xxv fig. 29, as *Izatha acmonias*.

teras Felder & Rogenhofer, 1875, pl. cxl fig. 28 (*Psecadia*). Synonymised by Meyrick (1884a, p. 23).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen of ♀ geometrid glued on, BMNH.
Hudson 1928, p. 279, as synonym.

acmonias Philpott, 1921, pp. 340–341 (*Izatha*). **New synonymy.**
[Tisbury], Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 279, pl. xxv fig. 29, as species.
Note. All three names refer to the South Island black and white *Izatha* with the termen fringe white. Walker (1864a, p. 699) distinguished on hindwing pattern "var β", collected by Churton (*I. churtoni*, above) which has ♂ genitalia markedly different from those of *picarella* as figured by Philpott (1927f, p. 106, fig. 15), and the forewing termen fringe partly black.

plumbosa Philpott, 1927d, p. 86 (*Izatha*)
Otira Basin, Arthur's Pass WD, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1939, pp. 448–449, pl. lix fig. 11.

prasophyta Meyrick, §1883c, p. 523; 1884a, p. 25 (*Semiocosma*)
[Botanic Gardens and forest], Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 1/1/80", "Izatha prasophyta Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 281, pl. xxxii fig. 4.

psychra Meyrick, §1883c, p. 523; 1884a, p. 21 (*Aochleta*) **new combination**
Porter's Pass MC, J.D. Enys; HT ♂ unique, very worn, BMNH.
Hudson 1928, p. 277, not figured.
Note. The HT label gives Porter's Pass, and Meyrick's description gives Castle Hill. Enys lived at Castle Hill Station, but would travel over Porter's Pass to and from Christchurch.

rigescens Meyrick, 1929, p. 490 (*Izatha*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 448, pl. lix fig. 9.

Also 1 undescribed species – *copiosella* in the sense of Hudson (1928, pl. xxv fig. 26); BMNH and NMNZ, the latter with Hudson's *copiosella*.

• ***Lathicrossa*** Meyrick, §1883c, p. 523; 1884a, p. 26. Type species *Lathicrossa leucocentra* Meyrick, by original monotypy.

leucocentra Meyrick, §1883c, p. 523; 1884a, pp. 26–27 (*Lathicrossa*)
Dunedin DN, A. Purdie; HT ♂ unique, BMNH.
Hudson 1928, p. 293, pl. xxxii fig. 5.

prophetica Meyrick, 1927a, p. 701 (*Lathicrossa*)
Mount Arthur NN, S. Woodward; HT ♂ unique, BMNH.
Hudson 1928, p. 293, pl. lii fig. 8.

• ***Leptocroca*** in the sense of Philpott, 1926a, not of Meyrick (1883a, p. 425 (key); 1886a, p. 775 (description). Type species *Leptocroca sanguinolenta* Meyrick, 1886a, pp. 775–776, by original monotypy; Australia).

amenena Meyrick, 1888e, pp. 78–79 (*Peltophora*) **new combination**
Mount Arthur [Plateau] NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 15/1/86", "Philobota amenena Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 291, pl. lii fig. 21.
Note. Meyrick (1915b, p. 219) placed *amenena* in *Philobota* Meyrick, another Australian genus. On genital characters it is more similar to the New Zealand species currently in *Leptocroca*, and is here transferred.

aquilonaris Philpott, 1931, pp. 31–32 (*Leptocroca*)
Kauri Gully AK, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 445, not figured.

asphaltis Meyrick, 1911b, p. 65 (*Borkhausenia*)
[?Mount Ida CO, J.H. Lewis], "exact locality unknown"; HT ♂ unique, unrecognised, possibly the ♂ labelled "Leptocroca variabilis Philp. 3/4 E. Meyrick det. in Meyrick Coll.", "New Zealand AP .09", head missing, forewings glued to thorax, abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 272, pl. xxix fig. 17.
Note. The Philpott Collection (NZAC) has 1 ♂ (genitalia missing) with no locality label. Philpott (1926b, p. 401) removed *asphaltis* to *Leptocroca* (as *Guestia*).

lenita Philpott, 1931, p. 32 (*Leptocroca*)
Newton Flat, Buller Gorge NN/BR, G.V. Hudson; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, pp. 445–446, pl. lix fig. 4.

lindsayi Philpott, 1930a, p. 249 (*Leptocroca*)
Yaldhurst MC, S. Lindsay; HT ♂ designated by Philpott, abdomen missing, CMNZ.
Hudson 1939, p. 446, pl. lix fig. 6.

porophora Meyrick, 1929, p. 488 (*Borkhausenia*) **new combination**
Takaka NN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1939, p. 445, pl. lvii fig. 7, as *Borkhausenia porophora.*
Note. Because the HT abdomen is not modified as in *Tingena* species, and the ostiolar lamellae form a triangular spout as in New Zealand *Leptocroca* species, *porophora* is here transferred to *Leptocroca.*

scholaea Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 35 (*Oecophora*); Philpott, 1926a, p. 393 (*Leptocroca*)
[reserved bush and forest], Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 6/1/80", "Leptocroca scholaea Meyr. 5/24 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 271–272, pl. xxix fig. 18.

vacua Philpott, 1926a, pp. 393–394, fig. 19 and 20 (*Leptocroca*). **New synonymy.**
Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 272, not figured.
Note. Philpott's figures (1926a, fig. 19 and 20) of PT ♂ *vacua* genitalia and those of HT ♂ do not differ from HT ♂ *scholaea*, but differ from other specimens under *scholaea* in BMNH and NZAC. Philpott's figures (1926a, fig. 13 and 14) of *scholaea* refer to one of at least 5 undescribed species, differing in genitalia and frons structure, and hitherto included in collections under *scholaea.*

variabilis Philpott, 1926a, p. 394, fig. 17 and 18 (*Leptocroca*)
Cobb Valley NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 272, not figured.
Note. There is little to distinguish the PT ♂ *variabilis* genitalia as figured by Philpott from those of the possible *asphaltis* HT ♂.

vinaria Meyrick, 1914a, p. 108 (*Trachypepla*) **new combination**
Otira River WD, G.V. Hudson; LT ♂ here designated, labelled "Otira R. New Zealand GVH 2.08", "Trachypepla vinaria Meyr. 6/9 E. Meyrick det. in Meyrick Coll.", abdomen missing, BMNH.
Hudson 1928, pp. 285–286, pl. xxxii fig. 26, as *Trachypepla vinaria.*

obliqua Philpott, 1930c, p. 437 (*Leptocroca*). Synonymised by Hudson (1939, p. 449).
Mount Cook MK, A. Philpott; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 449, as synonym of *vinaria.*
Note. Because of its bifid uncus, recurved gnathos, and spinose abdomen, as well as its colour pattern, this species is referred to *Leptocroca*, where Philpott (through *obliqua*) put it.

xyrias Meyrick, 1931b, p. 368 (*Leptocroca*)
Blackmillar KA, S. Lindsay; HT ♂ unique, CMNZ.
Hudson 1939, p. 446, pl. lix fig. 5.

Also 5 undescribed species (BMNH, NZAC).

• ***Locheutis*** Meyrick, 1883e, p. 341. Type species *Locheutis philochora* Meyrick, 1883e, p. 342, by subsequent designation (Meyrick 1922d, p. 53); Australia.

fusca Philpott, 1930b, p. 11 (*Locheutis*)
Whakapapa River, Tongariro National Park TO, A. Philpott; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 452, pl. lviii fig. 8.
Note. HT ♂ (with red label) and PT ♂ are double-mounted on the same polyporus strip (as at March 1983).

pulla Philpott, 1928g, p. 488 (*Locheutis*)
Mount Cedric BR, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 452, pl. lviii fig. 7.

vagata Meyrick, 1916b, p. 416 (*Locheutis*)
Tararua Range WN, 4000 ft, G.V. Hudson; LT ♂ here designated, labelled "Tararua Mtns New Zealand GVH 4000′ 11.14", "Locheutis vagata Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 290, pl. xxix fig. 7.

• ***Mermeristis*** Meyrick, 1915c, p. 298. Type species *M. spodiaea* Meyrick, by original monotypy.

spodiaea Meyrick, 1915c, p. 298 (*Mermeristis*)
George's Bay Tasm., E. Meyrick; HT ♂ unique, BM genitalia slide no. 1362 ♂, BMNH.
New Zealand: Hudson's records are from Wilton's Bush and Wainuiomata, WN.
Hudson 1939, p. 451, pl. lviii fig. 13.
Note. The *spodiaea* HT ♂ genitalia appear to be identical with those of *Trachypepla ocneropis* Meyrick (q.v.). The occurrence of *M. spodiaea* on either side of the Tasman Sea may be natural.

• ***Oxythecta*** Meyrick, 1883a, p. 422 (key); 1885c, p. 1059 (description). Type species *Gelechia acceptella* Walker, by subsequent designation (Meyrick 1915b, p. 218); Australia.

austrina Meyrick, 1914a, p. 107 (*Saropla*); 1915b, p. 218 (*Oxythecta*)
Ben Lomond OL, A. Philpott; LT ♂ here designated, labelled "Ben Lomond New Zealand AP 25.11.12", "Oxythecta austrina Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 291, pl. xxxii fig. 14.

• ***Parocystola*** Turner, 1896, p. 30. Type species *Parocystola leucospora* Turner, by original monotypy, Australia.

acroxantha Meyrick, 1885c, pp. 1060 (key) and 1066 (*Ocystola*)
Deloraine Tasm., E. Meyrick; LT ♂ selected by I.F.B. Common, BMNH.
New Zealand: adventive; first recorded 1886 (Hudson 1928, p. 290). On dead leaves; throughout.
Hudson 1928, p. 290, pl. xxx fig. 27, as *Parocystola acroxantha*.

• ***Phaeosaces*** Meyrick, §1885i, p. 591; 1886b, pp. 171–172. Type species *Phaeosace apocrypta* Meyrick, by subsequent designation (Meyrick 1915b, p. 220).
Note. *Cryptolechia* Zeller is based on *C. straminella* Zeller from South Africa, the ♂ genitalia of which bear no resemblance to those of New Zealand species (nor Nearctic species; see figures in Hodges 1974). *Phaeosaces* is available, and is here revived, as a generic name for New Zealand species.

apocrypta Meyrick, §1885i, p. 591; 1886b, pp. 172–173 (*Phaeosaces*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 23/12/82", "Cryptolechia apocrypta Meyr. 5/11 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 294, pl. xxv fig. 21.

coarctatella Walker, 1864a, p. 768 (*Cryptolechia*) **new combination**
[Nelson NN], T.R. Oxley; LT ♂ (as HT) here designated, labelled "Cryptolechia coarctatella Wkr Cat. Lep. Het. BM 29 p.768 (1864) Type ♂", "60-73 Auckland N. Zeal." (circular label), BMNH.
Hudson 1928, p. 294, pl. xxv fig. 23, as *Cryptolechia liochroa*.

liochroa Meyrick, 1891, p. 98 (*Phaeosaces*). **New synonymy.**
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH /90", "Cryptolechia liochroa Meyr. 3/10 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 294, pl. xxv fig. 22 and 23. Philpott 1927, p. 110, fig. 49. Both as species.

compsotypa Meyrick, §1885i, p. 591; 1886b, p. 172 (*Phaeosaces*)
[in dense forest], Hamilton WO, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, pp. 294–295, pl. xxxii fig. 1.

lindsayae Philpott, 1928c, p. 182 (*Cryptolechia*) **new combination**
Blackmillar KA, Jean Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 453, pl. lviii fig. 16.

Also 2 undescribed species (NZAC).

• ***Schiffermuelleria*** Hübner, [1825], p. 421. Type species *Phalaena Tinea schaefferella* Linnaeus; Europe.

orthophanes Meyrick, 1905, p. 243 (*Compsistis*); 1915b, p. 211 (*Schiffermuelleria*)
Nelson NN, E. Meyrick; LT ♀ here designated, labelled "Nelson New Zealand 22.1.86", "Schiffermuelleria orthophanes Meyr. 3/6 E. Meyrick det. in Meyrick Coll.", very worn, BMNH.
Hudson 1928, p. 260, pl. xxviii fig. 17.

• ***Sphyrelata*** Meyrick, 1883a, p. 423 (key); 1883e, p. 360 (description). Type species *Oecophora amotella* Walker, by subsequent designation (Meyrick 1922d, p. 151); Brisbane, Qld.

laetifica Turner, 1917, p. 116, proposed as a new name for *indecorella* Meyrick, not Walker, 1864 (*Sphyrelata*)

indecorella not of Walker (1864a, p. 764) but in the sense of Meyrick (1883e, p. 362) and Turner (1917, p. 116).
New Zealand: adventive; earliest record from Henderson AK (K.A.J. Wise, 1954), subsequently recorded from AK and WI. All specimens seen have orange hindwings.
Note. Meyrick mentioned material from Sydney and Mittagong, N.S.W. Turner stated that *S. laetifica* is distinguished by its orange hindwings.

• ***Thamnosara*** Meyrick, §1883c, p. 523; 1884a, p. 27. Type species *Thamnosara chirista* Meyrick, by original monotypy.

sublitella Walker, 1864a, p. 654 (*Gelechia*)
[Auckland AK], A. Sinclair; HT ♀ unique, head missing, abdomen crushed, BMNH.
Hudson 1928, p. 273, pl. xxx fig. 28.

chirista Meyrick, §1883c, p. 523; 1884a, p. 27 (*Thamnosara*). Synonymised by Meyrick (1915b, p. 214).
[Dry Bush, Port Hills], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 27/12/82", "Thamnosara sublitella Walker 1/17 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 273, as synonym.

• ***Tinearupa*** Salmon & Bradley, 1956, p. 66. Type species *Tinearupa sorenseni* Salmon & Bradley, by original designation.

sorenseni sorenseni Salmon & Bradley, 1956, p. 66, as species (*Tinearupa*)
Courrejolles Peninsula, Campbell Island, J.H. Sorensen; HT ♂ designated by Salmon & Bradley, NMNZ.
Dugdale 1971, p. 135, as subspecies.

sorenseni aucklandiae Dugdale, 1971b, pp. 135–136 (*Tinearupa*)
Lake Turbott, Adams Island, Auckland Islands, K.A.J. Wise; HT ♂ designated by Dugdale, NZAC.

• ***Tingena*** Walker, 1864a, pp. 809–810. Type species *Tingena bifaciella* Walker, by original monotypy.

Cremnogenes Meyrick, §1883c, p. 525; 1884a, p. 45. Type species *Cremnogenes oxyina* Meyrick, by subsequent designation (Meyrick 1915b, p. 211).
Note. This genus includes those species placed under *Borkhausenia* in Hudson 1928, 1939, and 1950.

actinias Meyrick, 1901, p. 574 (*Borkhausenia (Oecophora)*) **new combination**
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "New Zealand GVH /99", "Borkhausenia armigerella Walk. 13/20 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 264, pl. xxix fig. 12, as variety of *Borkhausenia armigerella* (in the sense of Meyrick, not Walker).
Note. Philpott (1926b, p. 412, fig. 10) illustrates the ♂ genitalia (as *armigerella*).

affinis Philpott, 1926a, pp. 391–392, fig. 3 and 4 (*Borkhausenia*) **new combination**
Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 262, pl. li fig. 3, as *Borkhausenia affinis*.
Note. Philpott's illustration of *affinis* ♂ genitalia is virtually identical with that of *xanthomicta* Meyrick (q.v.).

afflicta Philpott, 1926b, pp. 401–402 and 411, fig. 9 (*Borkhausenia*) **new combination**
Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 267, not figured; as *Borkhausenia afflicta*.

aletis Meyrick, 1905, pp. 235–236 (*Hypercallia*) **new combination**
Arthur's Pass NC/WD, [3000 ft], E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 291, not figured, as *Philobota aletis*.

amiculata Philpott, 1926b, pp. 402 and 409, fig. 7 (*Borkhausenia*) **new combination**
Mount Arthur Tableland NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 265, not figured, as *Borkhausenia amiculata*.

anaema Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 42 (*Oecophora*) **new combination**
Lake Wakatipu OL, E. Meyrick; LT ♂ here designated, labelled "L. Wakatipu New Zealand 15.12.82", "Borkhausenia anaema Meyr. 4/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 263, not figured, as *Borhausenia anaema*.

ancogramma Meyrick, 1919, pp. 352–353 (*Borkhausenia*) **new combination**
Wainuiomata WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 268, pl. xlvii fig. 6 (dubious), as *Borkhausenia ancogramma*.
Note. The HT ♂ genitalia differ from those figured by Philpott (1926, p. 409, fig. 7). One ♂ (1/5 in Meyrick's series) is not conspecific on genital characters, and like Hudson's fig. 6 on pl. xlvii has a dark patch on the dorsum just before the tornus which is lacking in the HT.

latens Philpott, 1928a, p. 365 (*Borkhausenia*). Synonymised by Hudson (1939, p. 444).
Rotorua BP, A.J. Turner; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 444, as synonym.

bellatula Philpott, 1929a, p. 304 (*Borkhausenia*). Synonymised by Hudson (1939, p. 444).
Lake Rotoroa BR, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 444, as synonym.
Note. The ♂ genitalia of *latens* HT and *bellatula* HT agree well with those of *ancogramma* HT, and Hudson's synonymy is upheld.

apanthes Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 41–42 (*Oecophora*) **new combination**
[swampy forest], Cambridge WO, E. Meyrick; LT ♂ here designated, labelled "Cambridge New Zealand 14.1.80", "Borkhausenia apanthes Meyr. 4/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 263, pl. xxix fig. 10 (dubious – too yellow for *apanthes*), as *Borkhausenia apanthes*.

apertella Walker, 1864a, p. 698 (*Oecophora*) **new combination**
[Nelson NN], T.R. Oxley; LT ♀ designated as "Type" by H. Durrant, labelled "Oecophora apertella Wkr Cat. Lep. Het. BM 29 p.698 (1864) Type ♀", "Auckland N. Zeal. 60-73" (circular label), BMNH.
Hudson 1928, p. 264, pl. xxix fig. 19 and 20, as *Borkhausenia apertella*.
Note. The ♂ genitalia figured by Philpott (1926b, p. 410, fig. 8) may or may not be referable to this species.

aphrontis Meyrick, §1883c, p. 525; 1884a, p. 46 (*Cremnogenes*) **new combination**
Arthur's Pass NC/WD, [4000 ft], E. Meyrick; LT ♂ here designated, labelled "Arthurs Pass New Zealand 29.1.83", "Borkhausenia aphrontis Meyr. 5/14 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 267, pl. xxxviii fig. 22, as *Borkhausenia aphrontis*.
Note. The ♂ genitalia figured by Philpott (1926b, p. 411, fig. 9) are referable to the Mount Arthur NN population, having a longer uncus and differently proportioned valva and apical valval structures.

armigerella Walker, 1864a, p. 698 (*Oecophora*) **new combination**

[Auckland AK], D. Bolton; ?HT ♂ (specimen agreeing with type description, measurement, and stated locality and collector), palpi, metathorax, hindwings, and abdomen missing, BMNH.

Hudson 1928, p. 264, pl. xxix fig. 11 only, as *Borkausenia armigerella*. Not figured by Philpott.

bifaciella Walker, 1864a, p. 810 (*Tingena*) **new synonymy**

[Auckland AK], D. Bolton; HT ♀ unique, abdomen missing, BMNH.

Hudson 1928, p. 264, as synonym of *Borkhausenia apertella*.

Notes. *T. armigerella* is sexually dimorphic in colour pattern, ♀♀ having the head yellow-scaled (sandy-coloured in ♂♂) and only the costal margin blackened (much of the costal cell blackened in ♂♂). Walker and Durrant both regarded *armigerella* HT ♂ as lost, Walker adding a label to that effect, but it is more likely that the specimen relabelled by Durrant as "Oecophora apertella Wkr Paratype a" is the *armigerella* HT, misplaced after Walker's examination.

aurata Philpott, 1931, p. 32 (*Gymnobathra*) **new combination**

Opoho DN, C.E. Clarke; HT ♂ designated by Philpott, genitalia in vial, AMNZ.

Hudson 1939, p. 447, pl. lix fig. 27, as *Gymnobathra aurata*; Hudson notes resemblance to "Borkhausenia of the *xanthomicta* group".

basella Walker, 1863c, p. 492 (*Incurvaria*) **new combination**

[Auckland AK], D. Bolton; HT ♂ unique, wings not spread, BMNH.

Hudson 1928, p. 265, pl. xxv fig. 26, as *Borkhausenia basella*.

ademptella Walker, 1864a, pp. 698–699 (*Oecophora*). Synonymised by Meyrick (1915b, p. 212).

[Auckland AK], D. Bolton; LT ♂ designated by H. Durrant as "Type", labelled "Oecophora ademptella Wkr Cat. Lep. Het. BM 29: 698 (1864) Type ♂", "N. Zeal. 54-4" (circular label), hindwings and abdomen missing, BMNH.

berenice Meyrick, 1929, pp. 488–489 (*Borkhausenia*) **new combination**

Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.

Hudson 1939, p. 444, pl. lvii fig. 27, as *Borkhausenia berenice*.

brachyacma Meyrick, 1909a, p. 13 (*Borkhausenia*) **new combination**

Invercargill SL, A. Philpott; HT ♂ unique, BMNH.

Hudson 1928, p. 269, pl. xxix fig. 23, as *Borkhausenia brachyacma*.

amnopis Meyrick, 1910a, p. 65 (*Borkhausenia*) **new synonymy**

Invercargill SL, A. Philpott; LT ♀ here designated, labelled "Invercargill New Zealand AP '08", "Borkhausenia amnopis Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 269 in part, as species.

Note. HT ♂ *brachyacma* and LT ♀ *amnopis* have identical colour patterns. The ♂ figured by Hudson (1928, pl. xxix fig. 33) is that of another species, possibly near *T. berenice*. Meyrick (1911b, p. 65) redescribed *amnopis* as a new species.

chloradelpha Meyrick, 1905, pp. 239–240 (*Borkhausenia*) **new combination**

Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH /04", "Borkhausenia chloradelpha Meyr. 4/6 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 266, pl. xxx fig. 4, as *Borkhausenia chloradelpha*.

chloritis Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 36 (*Oecophora*) **new combination**

Lake Wakatipu OL, E. Meyrick; HT ♂ unique, BMNH.

Hudson 1928, p. 271, not figured, as *Borkhausenia chloritis*.

chrysogramma Meyrick, §1883c, p. 525; 1884a, pp. 34 (key) and 44–45 (*Oecophora*) **new combination**

[low scrub], Wellington WN, E. Meyrick; HT ♀ unique, abdomen in gelatin capsule, BMNH.

Hudson 1928, p. 261, pl. xxix fig. 6, as *Borkhausenia chrysogramma*.

clarkei Philpott, 1928a, p. 366 (*Borkhausenia*) **new combination**

Kauri Gully, Birkenhead AK, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.

Hudson 1939, p. 445, pl. lix fig. 1, as *Borkhausenia clarkei*.

collitella Walker, 1864a, p. 655 (*Gelechia*) **new combination**

[Auckland AK], D. Bolton; HT ♂ unique, BMNH.

Not mentioned by Hudson. Regarded by Meyrick (1884a, p. 47) as a variety of *griseata*.

Note. Genitalia of HT *collitella* are of the *actinias* (*armigerella* of authors) form, and quite different from those of HT *griseata*.

compsogramma Meyrick, 1920a, p. 31 (*Borkhausenia*) **new combination**

Buller River NN/BR, G.V. Hudson; LT ♂ here designated, labelled "Buller R. New Zealand GVH 12.18", "Borkhausenia compsogramma Meyr. 3/7 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 261, pl. xxix fig. 5, as *Borkhausenia compsogramma*.

Note. On genital and colour pattern differences, Philpott's (1926b, p. 409, fig. 7; p. 410, fig. 8) separation of *compsogramma* and *xanthodesma* Philpott is upheld (see Hudson 1928, p. 261).

contextella Walker, 1864a, p. 656 (*Gelechia*) **new combination**

[Nelson NN], T.R. Oxley; LT ♂ designated by H. Durrant, labelled "Gelechia contextella Wkr Cat. Lep. BM 29 p.656 (1864) Type ♂", "Auckland N. Zeal. 60-73" (circular label), BMNH.

Hudson 1928, p. 270, as synonym of *Borkhausenia plagiatella.*

Note. HT *crotala* Meyrick and HT *plagiatella* Walker have white-scaled heads. LT *contextella* is sandy-scaled, and is removed from synonymy with *plagiatella* (see Meyrick 1915, p. 213).

crotala Meyrick, 1915b, p. 213 (*Borkhausenia*) **new combination**

[reserved bush and forest], Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 6.1.80", "Borkhausenia crotala Meyr. 2/11 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 270, pl. li fig. 5 and 6, as *Borkhausenia plagiatella* [not of Walker]. Philpott 1926b, p. 410, fig. 8, as *Borkhausenia plagiatella.*

contextella (not of Walker) Meyrick, 1884a, p. 37 (*Oecophora*). Synonymised by Meyrick (1915b, p. 213).

Note. Meyrick proposed the name *crotala* for his conception of Walker's *contextella.*

decora Philpott, 1928a, p. 365 (*Borkhausenia*) **new combination**

Lake Rotoroa BR, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1939, p. 442, pl. lix fig. 2, as *Borkhausenia decora.*

enodis Philpott, 1927d, p. 85, fig. 3a,b (*Borkhausenia*) **new combination**

Cawthron Park, Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1939, p. 443, not figured, as *Borkhausenia enodis.*

epichalca Meyrick, 1886a, p. 793 (*Cremnogenes*) **new combination**

Arthur's Pass NC/WD, [?5000 ft], E. Meyrick; LT ♂ here designated, labelled "Arthurs Pass New Zealand 29.1.83", "Borkhausenia epichalca Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 267, pl. xxxviii fig. 7, as *Borkhausenia epichalca.*

Note. Philpott's (1926b, p. 410, fig. 8) figures of ♂ genitalia agree with the LT genitalia.

epimylia Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 36–37 (*Oecophora*) **new combination**

[in forest], Castle Hill MC, E. Meyrick; LT ♂ here designated, labelled "Castle Hill New Zealand 16.1.83", "Borkhausenia epimylia Meyr. 8/13 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 271, pl. xxix fig. 29, as *Borkhausenia epimylia.*

Note. Philpott's (1926b, p. 409, fig. 7) illustrations of ♂ genitalia of *epimylia* differ considerably in gnathos and valval structure from LT and PLT *epimylia.*

eriphaea Meyrick, 1914a, p. 107 (*Borkhausenia*) **new combination**

Ben Lomond OL, A. Philpott; LT ♂ here designated, labelled "Ben Lomond New Zealand 25.11.12", "Borkhausenia eriphaea Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 264, pl. xxxviii fig. 15, as *Borkhausenia eriphaea.*

Note. Philpott (1926b, p. 409, fig. 7) figures ♂ genitalia of a topotype.

eumenopa Meyrick, 1926b, p. 416 (*Trachypepla*) **new combination**

Wainuiomata WN, G.V. Hudson; LT ♂ here designated, labelled "Wainuiomata New Zealand GVH 13/12/23", "Trachypepla eumenopa Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 286, pl. xxx fig. 6, as *Trachypepla eumenopa.*

metallifera Philpott, 1928a, p. 368 (*Trachypepla*). Synonymised by Hudson (1939, p. 449).

Waimarino TO, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.

Hudson 1939, p. 449, as synonym.

falsiloqua Meyrick, 1932, p. 24 (*Trachypepla*) **new combination**

Waimarino TO, G.V. Hudson; HT ♂ unique, BMNH.

Hudson 1939, p. 450, not figured, as *Trachypepla falsiloqua.*

fenestrata Philpott, 1926b, pp. 404 and 410, fig. 8 (*Borkhausenia*) **new combination**

Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 269, not figured, as *Borkhausenia fenestrata.*

grata Philpott, 1927d, p. 85, fig. 4a,b (*Borkhausenia*) **new combination**

Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1939, p. 443, not figured, as *Borkhausenia grata.*

griseata Butler, 1877, p. 405 (*Oecophora*) **new combination**

[?Christchurch MC or Dunedin DN], J.D. Enys or J. Hector; LT ♂ labelled as "Type" by Durrant, BMNH.

Hudson 1928, p. 268, not figured, as *Borkhausenia griseata.*

hastata Philpott, 1916, p. 422 (*Borkhausenia*) **new combination**

Seaward Moss SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 266, pl. xxx fig. 5, as *Borkhausenia hastata.*

hemimochla Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 38 (*Oecophora*) **new combination**
[Botanic Gardens], Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 31/12/79", "Borkhausenia hemimochla Meyr. 1/11 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 270, pl. xxix fig. 32, as *Borkhausenia hemimochla.*

homodoxa Meyrick, §1883c, p. 525; 1884a, pp. 34 (key) and 43 (*Oecophora*) **new combination**
[Ben Lomond], Lake Wakatipu OL, E. Meyrick; LT ♂ here designated, labelled "Lake Wakatipu New Zealand 17.12.82", "Borkhausenia homodoxa Meyr. 1/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 269, pl. xlvii fig. 14, as *Borkhausenia homodoxa.*

honesta Philpott, 1929a, p. 303 (*Borkhausenia*) **new combination**
Lake Tekapo MK, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 445, pl. lvii fig. 6, as *Borkhausenia honesta.*
Note. This species may prove to be better placed in *Trachypepla.*

honorata Philpott, 1918, p. 128 (*Borkhausenia*) **new combination**
Knife and Steel FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 261, pl. xxxviii fig. 8, as *Borkhausenia honorata.*

hoplodesma Meyrick, §1883c, p. 525; 1884a, pp. 34 (key) and 44 (*Oecophora*) **new combination**
South Rakaia MC, W.H. Gaze; HT ♂ unique, BMNH.
Hudson 1928, pp. 261–262, pl. xxix fig. 4, as *Borkhausenia hoplodesma.*

thranias Meyrick, 1905, p. 240 (*Borkhausenia*). Synonymised by Philpott (1926c, p. 401).
Whangarei [Heads] ND, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 261, as synonym of *Borkhausenia hoplodesma.*
Note. HT *thranias* genitalia agree with Philpott's drawing of *hoplodesma* genitalia.

horaea Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 40–41 (*Oecophora*) **new combination**
Bealey River NC, E. Meyrick; LT ♂ here designated, labelled "Bealey River New Zealand 20.1.83", "Borkhausenia horaea Meyr. 4/10 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 263, not figured, as *Borkhausenia horaea.*
Note. The hindwing anal fold powder puff and genitalia of LT *horaea* are similar to those of *serena, comosaris,* and *anaema.* Of the 9 PLTs in Meyrick's *horaea* series, only 3/10, 5/10, and 6/10 are conspecific with the LT; the rest are referable to *T. actinias* (*armigerella* in the sense of Philpott, 1926b, p. 412, fig. 10.).

idiogama Meyrick, 1924b, p. 661 (*Borkhausenia*) **new combination**
Mount Egmont TK, [3500 ft], G.V. Hudson; LT ♂ here designated, labelled "Mt Egmont New Zealand GVH 1.23", "Borkhausenia idiogama Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 266, pl. xxix fig. 31, as *Borkhausenia idiogama.*

innotella Walker, 1864a, p. 652 (*Gelechia*) **new combination**
[Auckland AK], D. Bolton; LT ♀ selected by H. Durrant and designated as "Type ♂", labelled "Gelechia innotella Wkr Cat. Lep. BM 29 p.652 (1864) Type ♂", "New Zeal. 54-4" (circular label), BMNH.
Hudson 1928, p. 269, pl. xxix fig. 24 (as *politis*), as *Borkhausenia innotella.*
Note. Hudson's pl. xxix fig. 21 refers to *ombrodella* (q.v.).

monospilella Walker, 1864a, p. 653 (*Gelechia*). **New synonymy**
[Auckland AK], D. Bolton; HT ♂ unique, abdomen missing, BMNH.
Not mentioned by Hudson or Meyrick.
Note. HT *monospilella* is externally indistinguishable from PLT ♂ *innotella*, and is here synonymised.

politis Meyrick, 188e, p. 81 (*Oecophora*). **New synonymy**
Wellington WN, G.V. Hudson; HT ♀ not found in Meyrick Collection, BMNH.
Hudson 1928, p. 265, pl. xxix fig. 24, as *Borkhausenia politis.*
Note. It is doubtful – because of the emphasis in the original description on the "whitish-ochreous" ground colour – if HT *politis* and Meyrick's and Hudson's later sense of this taxon are the same thing (cf. *Planotortrix coprosmae*, Tortricidae, p. 125). Philpott's (1926b, p. 410, fig. 8) figures of the genitalia of *politis* of authors agree excellently with post-1887 material in Meyrick's series from Hudson in Wellington, collected in 1900, 1910, and 1917; these specimens are not whitish-ochreous, however, but brown.

lassa Philpott, 1930b, p. 9 (*Borkhausenia*) **new combination**
Leith DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 443, pl. lvii fig. 30, as *Borkhausenia lassa.*

laudata Philpott, 1930b, p. 9 (*Borkhausenia*) **new combination**
Bluecliff FD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, pp. 443–444, pl. lvii fig. 28, as *Borkhausenia laudata.*

letharga Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 35–36 (*Oecophora*)
Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 6.1.80", "Borkhausenia leth-

arga Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 271, pl. lii fig. 3, as *Borkhausenia letharga.*

levicula Philpott, 1930b, p. 8 (*Borkhausenia*) **new combination**
Flat Top Mountain, Hunter Mountains FD, C.E. Clarke; HT ♀ designated by Philpott, AMNZ.
Hudson 1939, p. 442, pl. lix fig. 2, as *Borkhausenia levicula.*

loxotis Meyrick, 1905, p. 241 (*Borkhausenia*) **new combination**
Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 3.1.86", "Borkhausenia loxotis Meyr. 1/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 261, pl. xxix fig. 3 (a poor representation, with the wings too pointed and the black outlining of the yellow areas missing), as *Borkhausenia loxotis.*
Note. LT and PLT ♂ genitalia do not agree with Philpott's (1926b, p. 410, fig. 8) illustration: the uncus is longer than Philpott shows, and sinuous, as is the valval costal process.

macarella Meyrick, §1883c, p. 524; 1884a, p. 43 (*Oecophora*) **new combination**
[steep scrubby hills, Port Lyttelton] MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 8.1.80", "Borkhausenia macarella Meyr. 8/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 263, not figured, as *Borkhausenia macarella.*

maranta Meyrick, 1886a, p. 791 (*Oecophora*) **new combination**
Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 263, pl. xxix fig. 1, as *Borkhausenia maranta.*
Note. Philpott's (1926b, p. 412, fig. 10) illustration of ♂ genitalia agrees with HT.

marcida Philpott, 1927a, p. 706, fig. 2 (*Borkhausenia*) **new combination**
Bottle Lake, Christchurch MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 269, not figured, as *Borkhausenia marcida.*

melanamma Meyrick, 1905, pp. 240–241 (*Borkhausenia*) **new combination**
[Ida Valley CO], J.H. Lewis; LT ♂ here designated, labelled "Dunedin New Zealand JHL -/04", "Borkhausenia melanamma Meyr. 4/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 262, pl. xxix fig. 2, as *Borkhausenia melanamma.*
Note. LT *melanamma* genitalia differ from those illustrated by Philpott (1926b, p. 412, fig. 10).

sabulosa Philpott, 1918, pp. 128–129 (*Borkhausenia*) **new synonymy**
"Central Otago" CO, J.H. Lewis; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 262, as ?synonym of *Borkhausenia melanamma.*
Note. Philpott (1926b, p. 412, fig. 10) misapplied *melanamma.* HT *sabulosa* and LT *melanamma* are indistinguishable on colour pattern and genitalia, and are here synonymised.

melinella Felder & Rogenhofer, 1875, pl. cxl fig. 41 (*Oecophora*) **new combination**
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Not mentioned by Hudson.
Note. Meyrick (1884a, p. 48) states: "This figure appears to me insufficient for identification".

freta Philpott, 1926b, pp. 402 and 411, fig. 10 (*Borkhausenia*). **New synonymy.**
Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 264, pl. xlvi fig. 2, as species.
Note. The Philpott PT ♀♀ at BMNH are identical with HT *melinella* on external characters, as is the HT ♂ *freta* in NZAC, and *freta* is here synonymised.

monodonta Meyrick, 1911b, p. 75 (*Cremnogenes*) **new combination**
Mount Holdsworth WN, R.M. Sunley; LT ♂ here designated, labelled "Mt Holdsworth New Zealand RMS 11.09", "Borkhausenia monodonta Meyr. 1/15 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 267, pl. xxxviii fig. 10, as *Borkhausenia monodonta.*

nigra Philpott, 1914, p. 120 (*Cremnogenes*). Synonymised by Meyrick (1915b, p. 213).
Ben Lomond OL, A. Philpott; LT ♂ here designated, labelled "Ben Lomond 25/11/12", "Lectotype ♂ Cremnogenes nigra Philpott", NZAC.
Hudson 1928, p. 267, as synonym.
Note. The 5 ♂♂ from Ben Lomond collected on 25 November 1911 by Philpott in Philpott's collection under *Borkhausenia monodonta* are presumed to be his type series of *nigra.* His copy of *Trans. proc. N.Z. Inst.* vol. 46, p. 120, has "nigra" crossed out and "monodonta" written in pencil, in Philpott's handwriting.

morosa Philpott, 1926b, pp. 403–404 and 410, fig. 8 (*Borkhausenia*) **new combination**
Dun Mountain NN/MB, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 270, not figured, as *Borkhausenia morosa.*

nycteris Meyrick, 1890, p. 219 (*Oecophora*) **new combination**
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 11/88", "Borkhausenia nycteris Meyr. 8/19 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 268, pl. xxix fig. 34 and 35, as *Borkhausenia nycteris.*

Note. LT *nycteris* ♂ genitalia have the costal valval process longer than is shown by Philpott (1926b, p. 412, fig. 10). Meyrick (1911b, pp. 63–64) described the ♀, and noted that his original description refers only to the ♂.

ombrodella Hudson, 1950, p. 107, as variety (*Borkhausenia*) **new combination**

Whakapapa, Mount Ruapehu TO, G.V. Hudson; LT ♂ here designated, labelled "380DD", ["Whakapapa 9–10.1.1941 GVH" in Hudson's Register], NMNZ.

Hudson 1928, p. 269, pl. xxix fig. 21, as *Borkhausenia innotella*; 1950, p. 107, pl. iii fig. 10; as *Borkhausenia ombrodella.*

Note. Topotypic ♂♂ in BMNH have genitalia of the shape figured by Philpott (1926b, p. 411, fig. 9) for *innotella.*

opaca Philpott, 1926b, pp. 403 and 409, fig. 7 (*Borkhausenia*) **new combination**

Bluff SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 265, pl. xxix fig. 15, as *Borkhausenia opaca.*

ophiodryas Meyrick, 1936, p. 282 (*Borkhausenia*) **new combination**

Little River, Banks Peninsula MC, S. Lindsay; HT ♀ designated by Meyrick, CMNZ.

Hudson 1939, p. 443, pl. lxi fig. 14, as *Borkhausenia ophiodryas.*

oporaea Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 40 (*Oecophora*) **new combination**

Castle Hill MC, E. Meyrick; LT ♂ here designated, labelled "Castle Hill N. ZEALAND 16.i.1883 Meyrick. Raynor Coll. No. 10,632", BMNH.

Hudson 1928, p. 264, as synonym of *Borkhausenia apertella.*

Note. Only the LT ♂ and 2 PLT ♀♀ remain of Meyrick's series. Others in the series under the name *oporaea* differ in genitalia and scale colour from LT.

oxyina Meyrick, §1883c, p. 525; 1884a, pp. 45–46 (*Cremnogenes*) **new combination**

[?Kinloch or Paradise], Lake Wakatipu OL, E. Meyrick; LT ♂ here designated, labelled "L. Wakatipu New Zealand 16.12.82", "Borkhausenia oxyina Meyr. 8/10 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 267, pl. xlvi fig. 6 (a very pale representation), as *Borkhausenia oxyina.*

pallidula Philpott, 1924a, p. 210 (*Borkhausenia*) **new combination**

Gouland Downs NN, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 271, pl. l fig. 9, as *Borkhausenia pallidula.*

paratrimma Meyrick, 1910a, p. 65 (*Borkhausenia*) **new combination**

Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP .08", "Borkhausenia paratrimma Meyr. 2/4 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 262, pl. xxix fig. 22, as *Borkhausenia paratrimma.*

Note. Meyrick (1911b, p. 63) redescribed the two Philpott specimens, as *Borkhausenia paratrimma* n.sp.

paula Philpott, 1927a, p. 707, fig. 1 (*Borkhausenia*) **new combination**

Pukeatua Bush, Banks Peninsula MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.

Hudson 1928, p. 262, pl. lii fig. 22, as *Borkhausenia paula.*

penthalea Meyrick, 1905, p. 239 (*Borkhausenia (Oecophora)*) **new combination**

Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH /00", "Borkhausenia penthalea Meyr. 2/4 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 269, pl. xxix fig. 13, as *Borkhausenia penthalaea.*

perichlora Meyrick, 1907c, p. 118 (*Borkhausenia*) **new combination**

Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP .06", "Borkhausenia perichlora Meyr. 1/4 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 264, pl. xxix fig. 14, as *Borkhausenia perichlora.*

pharmactis Meyrick, 1905, p. 241 (*Borkhausenia*) **new combination**

Mount Arthur Tableland NN, E. Meyrick; HT ♀ unique, BMNH.

Hudson 1928, p. 264, pl. l fig. 26, as *Borkhausenia pharmactis.*

phegophylla Meyrick, §1883c, p. 524; 1884a, pp. 34 (key) and 39 (*Oecophora*) **new combination**

[?Kinloch or Paradise], Lake Wakatipu OL, E. Meyrick; LT ♂ here designated, labelled "L. Wakatipu New Zealand 16.12.82", "Borkhausenia phegophylla Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 265, pl. xxxviii fig. 9, as *Borkhausenia phegophylla.*

Note. LT *phegophylla* ♂ genitalia agree with Philpott's (1926b, p. 411, fig. 9) illustration of "*basella*".

plagiatella Walker, 1863c, p. 485 (*Tinea*) **new combination**

[Auckland AK], D. Bolton; HT ♂ unique, abdomen missing, BMNH.

Hudson 1928, p. 270 in part, not figured, as *Borkhausenia plagiatella.*

pronephela Meyrick, 1907c, p. 119 (*Borkhausenia*) **new combination**

Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP .06", "Borkhausenia pronephela Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", palpi missing, BMNH.

Hudson 1928, p. 266, pl. xxix fig. 28, as *Borkhausenia pronephela.*

robiginosa Philpott, 1915, p. 200 (*Borkhausenia*) **new combination**

Longwood Range SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 268, pl. xxix fig. 36.

Note. Philpott (1926b, p. 409, fig. 7) figures the ♂ genitalia.

seclusa Philpott, 1921, p. 340 (*Borkhausenia*) **new combination**

Lake Luna OL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 270, pl. xxix fig. 16, as *Borkhausenia seclusa.*

Note. PT ♂ genitalia figured by Philpott (1926b, p. 411, fig. 9).

serena Philpott, 1926b, pp. 403 and 410, fig. 8 (*Borkhausenia*) **new combination**

"Sunnyside", Waiau [River] FD/SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 269, pl. li fig. 10, as *Borkhausenia serena.*

comosaris Meyrick, 1931a, p. 95 (*Borkhausenia*). **New synonymy.**

Gollan's Valley, Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.

Hudson 1939, p. 445, not figured, as species.

Note. Although HT ♂ *serena* lacks an abdomen, scale pattern and hindwing anal puff scales are identical with those of HT ♂ *comosaris.* The ♂ genitalia of *serena* figured by Philpott (1926b, p. 410, fig. 8) are likewise as for HT *comosaris.*

siderodeta Meyrick, §1883c, p. 525; 1884a, pp. 34 (key) and 43–44 (*Oecophora*) **new combination**

[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 13.1.83", "Borkhausenia siderodeta Meyr. 7/26 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 262, pl. xxix fig. 9, as *Borkhausenia siderodeta.*

siderota Meyrick, 1888e, p. 82 (*Cremnogenes*) **new combination**

Mount Arthur NN, [on *Aciphylla* flowers], E. Meyrick; LT ♀ selected by D.J. Carter and here designated, labelled "Mt Arthur New Zealand 16.1.86", "Borkhausenia siderota Meyr. 1/10 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, p. 267, pl. xxix fig. 27, as *Borkhausenia siderota.*

sinuosa Philpott, 1928g, pp. 488 and 486, fig. 14 (*Borkhausenia*) **new combination**

Botanical Gardens, Wellington WN, A. Philpott; HT ♂ designated by Philpott, wings damaged, abdomen on Philpott genitalia slide, NZAC.

Hudson 1939, p. 443, not figured, as *Borkhausenia sinuosa.*

tephrophanes Meyrick, 1929, p. 488 (*Borkhausenia*) **new combination**

Flora Creek, Mount Arthur NN, G.V. Hudson; HT ♀ unique, abdomen and right hindwing missing, BMNH.

Hudson 1939, p. 444, pl. lix fig. 7, as *Borkhausenia tephrophanes.*

terrena Philpott, 1926a, p. 392, fig. 5 and 6 (*Borkhausenia*) **new combination**

Queenstown OL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 262, as ?synonym of *Borkhausenia melanamma.*

thalerodes Meyrick, 1916b, p. 416 (*Borkhausenia*) **new combination**

Arthur's Pass NC/WD, G.V. Hudson; HT ♂ unique, BMNH.

Hudson 1928, p. 268, pl. xxxviii fig. 11, as *Borkhausenia thalerodes.*

vestita Philpott, 1926a, p. 392 (*Borkhausenia*) **new combination**

Hunter Mountains FD, S. Lindsay; HT ♂ designated by Philpott, CMNZ.

Hudson 1928, p. 266, pl. li fig. 4, as *Borkhausenia vestita.*

xanthodesma Philpott, 1923, pp. 151–152 (*Borkhausenia*) **new combination**

Tisbury SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 261, as synonym of *Borkhausenia compsogramma.*

Note. Genitalia of LT *compsogramma* do not resemble those of HT or PT ♂ *xanthodesma.*

xanthomicta Meyrick, 1916b, p. 415 (*Borkhausenia*) **new combination**

Wellington WN, G.V. Hudson; LT ♀ here designated, labelled "Wellington New Zealand GVH .15", "Borkhausenia xanthomicta Meyr. 4/8 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1928, pp. 262–263, pl. xxix fig. 8.

Note. A PLT ♂ ("8/8") from Wellington WN has genitalia very similar to those figured for *affinis* Philpott by Philpott (1926b, p. 392, fig. 3 and 4) and agreeing with "xanthomicta" as figured by Philpott (1926b, p. 412, fig. 10).

Also 4 undescribed species (NZAC).

• ***Trachypepla*** Meyrick, 1883a, p. 423 (key); 1883e, pp. 367–368. Type species *Trachypepla euryleucota*

Meyrick, by subsequent designation (Meyrick 1915b, p. 216).

amphileuca Meyrick, 1914a, pp. 107–108 (*Trachypepla*)
Wainuiomata WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 284, pl. xxxi fig. 9.

anastrella Meyrick, §1883c, p. 523; 1883e, pp. 368 (key) and 370 (abbreviated description); 1884a, pp. 19–20 (full description) (*Trachypepla*)
[reserved bush and forest], Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 6/1/80", "Trachypepla anastrella Meyr. 5/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 286; 1939, p. 449, pl. lxi fig. 6.

angularis Philpott, 1929a, p. 303, fig. 1 (*Borkhausenia*) **new combination**
Lake Rotoroa BR, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 445, pl. lvii fig. 8 (type specimen), as *Borkhausenia angularis*.
Note. The basally strongly arcuate aedeagus and the valval character of *angularis* accord well with *Trachypepla* species as figured by Philpott (1927f, pp. 106 and 108, fig. 20–28). The species is therefore transferred.

aspidephora Meyrick, §1883c, p. 523; 1883e, pp. 368 (key) and 370 (abbreviated description); 1884a, p. 19 (full description) (*Trachypepla*)
[Dry Bush, Port Hills], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 27/12/82", "Trachypepla aspidephora Meyr. 1/10 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 285, pl. xxxi fig. 24.

conspicuella Walker, 1864a, p. 651 (*Gelechia*)
[Nelson NN], T.R. Oxley; LT ♂ selected by H. Durrant, labelled "Gelechia conspicuella Wkr Cat. Lep. BM 29: 651 (1864) Type ♂", "Auckland N. Zeal. 60.73" (circular label), abdomen missing, BMNH.
Hudson 1928, pp. 283–284, pl. xxxi fig. 8.

taongella Felder & Rogenhofer, 1875, pl. cxl fig. 45 (*Gelechia*). Synonymised by Meyrick (1884a, p.14).
[Nelson NN, T.R. Oxley]; HT ♂ unique, irrelevant abdomen glued on, BMNH.

contritella Walker, 1864a, p. 657 (*Gelechia*)
[Nelson NN], T.R. Oxley; HT ♀ unique, head, right forewing, and abdomen missing, BMNH.
Hudson 1928, p. 285, pl. xxxi fig. 5.

nyctopis Meyrick, §1883c, p. 522; 1883e, pp. 368 (key) and 369 (abbreviated description); 1884a, pp. 16–17 (full description) (*Trachypepla*). Synonymised by Meyrick (1915b, p. 217).
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ selected by P.A. Brown, labelled "Christchurch New Zealand 13/1/83", "Trachypepla contritella Meyr. 1/15 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 285, as synonym.
Note. This synonymy may not stand close scrutiny; there are differences in uncus and valva structures between topotypic *contritella* and *nyctopis*.

cyphonias Meyrick, 1927b, p. 314 (*Trachypepla*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 450, pl. lix fig. 14.
Note. Hudson indicated that the species was found "on the hills on the eastern side of Wellington Harbour".

euryleucota Meyrick, §1883c, p. 522; 1883e, pp. 368 (key and abbreviated description); 1884a, pp. 14–15 (full description) (*Trachypepla*)
[Botanic Gardens and forest], Wellington WN, E. Meyrick; LT ♂ selected and designated by Clarke (1963, p. 461, pl. 227 fig. 1–1d); genitalia on slide JFGC 9601, right forewing and hindwing on slide, BMNH.
Hudson 1928, p. 283, pl. xxxi fig. 10.

festiva Philpott, 1930b, p. 10 (*Trachypepla*)
Whangarei Falls ND, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 449, pl. lix fig. 6.

polyleuca Meyrick, 1931a, pp. 95–96 (*Trachypepla*). Synonymised by Hudson (1939), p. 449).
Whangarei ND, S.C. Patterson; LT ♂ here designated, labelled "Whangarei New Zealand GVH .30", "Trachypepla polyleuca Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1939, p. 449, as synonym.

galaxias Meyrick, §1883c, p. 522; 1883e, pp. 368 (key) and 369 (abbreviated description); 1884a, pp. 17–18 (full description) (*Trachypepla*)
[heath-like scrub and swamp], Hamilton WO, E. Meyrick; LT ♂ here designated, labelled "Hamilton New Zealand 17/1/80", "Trachypepla galaxias Meyr. 6/8 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 284, pl. xxxi fig. 28.

hieropis Meyrick, 1892, p. 218 (*Trachypepla*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 284, pl. xxxi fig. 3.

importuna Meyrick, 1914a, p. 108 (*Trachypepla*)
Ohakune RI/TO, G.V. Hudson; LT ♂ here designated, labelled "Ohakune New Zealand GVH 1.12", "Trachypepla importuna 2/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 286, not figured.

indolescens Meyrick, 1927a, p. 700 (*Trachypepla*)
Karori WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 286, pl. l fig. 14.

ingenua Meyrick, 1911b, pp. 65–66 (*Trachypepla*)
Otira River WD, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 284, pl. xxxi fig. 4.

leucoplanetis Meyrick, §1883c, p. 522; 1883e, p. 368 (key, abbreviated description); 1884a, p. 14 (full description) (*Trachypepla*)
[dense forest], Hamilton WO, E. Meyrick; LT ♂ here designated, labelled "Hamilton New Zealand 18/1/80", "Trachypepla leucoplanetis Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 283, pl. xxxi fig. 11.

lichenodes Meyrick, §1883c, p. 523; 1883e, pp. 368 (key) and 370 (abbreviated description); 1884a, pp. 20–21 (full description) (*Trachypepla*)
Bealey River NC, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 286, pl. xxxi fig. 25 and 26.

minuta Philpott, 1931, p. 33 (*Trachypepla*)
Auckland Domain AK, A. Philpott; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 450, pl. lix fig. 13.

nimbosa Philpott, 1930b, p. 10 (*Trachypepla*)
Kauri Gully, Birkenhead AK, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, pp. 449–450, pl. lix fig. 12.

ocneropis Meyrick, 1936, pp. 282–283 (*Trachypepla*; as *oneropis* – printer's error according to Meyrick 1937, p. 120)
Nelson NN, E. Meyrick; LT ♂ here designated, labelled "Nelson New Zealand 12/1/86", "Trachypepla ocneropis Meyr. 3/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1939, p. 450, pl. lxii fig. 16, as *ocneropis*.
Note. *T. ocneropis* LT ♂ and *Mermeristis spodiaea* (p. 97) are virtually indistinguishable.

photinella Meyrick, 1883a, pp. 512 (key) and 541–542 (*Eulechria*)
[Botanic Gardens], Wellington WN, E. Meyrick; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 286, pl. xlvi fig. 8, as *Trachypepla photinella*, after Meyrick (1918a, p. 134).

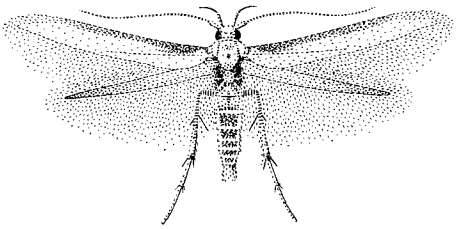
protochlora Meyrick, §1883c, p. 522; 1883e, pp. 368 (key) and 370 (abbreviated description); 1884a, p. 18 (full description) (*Trachypepla*)
Otira Gorge [and valley] WD, E. Meyrick; LT ♂ here designated, labelled "Otira Gorge New Zealand 24/1/83", "Trachypepla protochlora Meyr. 2/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 285, pl. xxxi fig. 23.

roseata Philpott, 1923, p. 152 (*Trachypepla*)
Dun Mountain NN/MB, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 285, pl. xlix fig. 22.

semilauta Philpott, 1918, p. 129 (*Trachypepla*)
Hunter Mountains FD, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1928, p. 283, pl. xxxviii fig. 18.

spartodeta Meyrick, §1883c, p. 522; 1883e, pp. 368 (key) and 369 (abbreviated description); 1884a, p. 16 (full description) (*Trachypepla*)
[Botanic Gardens], Wellington WN, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 284, pl. xxxi fig. 2.

Subfamily STATHMOPODINAE
(in the sense of Hodges 1978, pp. 7–9)



Oecophoridae: Stathmopodinae
(159) *Stathmopoda skelloni* Butler

• ***Stathmopoda*** Herrich-Schaeffer, [1853], p. 54, in the sense of Kasy (1973, p. 251 – full synonymy). Type species *Phalaena Tinea pedella* Linnaeus, by secondary monotypy (Herrich-Schaeffer [1853], p. 283); Palearctic.

Boocara Butler, 1880, p. 562. Type species *B. skelloni* Butler, by original monotypy. Synonymised by Meyrick (1889b, p. 169 – "a grotesquely solecistic generic name"); Kasy (1973, p. 251).

albimaculata Philpott, 1931, pp. 33–34 (*Stathmopoda*)
Woodside [Mt Maungatua], Taieri DN, C.E. Clarke; HT ♀ designated by Philpott, AMNZ.
Hudson 1939, p. 456, pl. lx fig. 6.

aposema Meyrick, 1901, p. 575 (*Stathmopoda*)
Auckland AK, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 300, pl. xxxviii fig. 6.

aristodoxa Meyrick, 1926b, p. 416 (*Stathmopoda*)
Gollan's Valley, Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 298, pl. li fig. 11.

caminora Meyrick, 1890, p. 219 (*Stathmopoda*)
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 298, pl. xxxii fig. 18.

campylocha Meyrick, 1889b, p. 168 (*Stathmopoda*)
Dunedin DN, E. Meyrick; LT ♀ here designated, labelled "Dunedin New Zealand 8/2/82", "Stathmopoda campylocha Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 299, not figured; 1939, p. 456, pl. lx fig. 5.

coracodes Meyrick, 1923, p. 167 (*Stathmopoda*)
Picton SD, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, pp. 299–300, pl. xlix fig. 23.

distincta Philpott, 1923, p. 152 (*Stathmopoda*)
Dun Mountain NN/MB, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1928, p. 298, pl. xxxii fig. 19.

endotherma Meyrick, 1931b, p. 368 (*Stathmopoda*)
Little River, Banks Peninsula MC, S. Lindsay; HT ♀ designated by Meyrick, CMNZ.
Hudson 1939, p. 456, pl. lx fig. 7.

holochra Meyrick, 1889b, p. 168 (*Stathmopoda*)
[Botanic Gardens], Wellington WN, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 299, pl. xxxii fig. 20.

horticola Dugdale, **new species** for *skelloni* of authors, but not Butler (*Stathmopoda*)
Tauranga BP, P. Brown; HT ♂ designated by Dugdale, labelled "New Zealand BP Tauranga Caine's Orchard 2 July 1982 P. Brown", "reared Actinidium fruit" (yellow card), "Holotype ♂ Stathmopoda horticola Dugdale" (red card), NZAC.
Hudson 1928, p. 299, pl. xxxii fig. 16, as *Stathmopoda skelloni.*
Note. Seven of the specimens in the Meyrick Collection under "skelloni" (in the sense of Meyrick) are of this species, which differs in ♂ and ♀ colour pattern and genitalia from *skelloni* Butler.

melanochra Meyrick, 1897a, p. 321 (*Stathmopoda*)
"Tasmania", E. Meyrick; LT (?gender) selected by I.F.B. Common, BMNH.
New Zealand: adventive; introduced for biological control of *Eriococcus coriaceus* (Homoptera: Eriococcidae).
Not mentioned by Hudson.

mysteriastis Meyrick, 1901, p. 575 (*Stathmopoda*)
Auckland AK, E. Meyrick; HT ♂ unique, abdomen separate, BMNH.
Hudson 1928, p. 300, pl. xxxviii fig. 5.
Note. Hudson's illustration is of a southern specimen; it differs from the HT in that the white area shown should be yellowish, and the dark area more ochreous.

seminuda Philpott, 1917b, p. 244 (*Stathmopoda*). Synonymised by Meyrick (1923, p. 167).
Broad Bay, Dunedin DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1928, p. 300, as synonym.

plumbiflua Meyrick, 1911b, p. 75 (*Stathmopoda*)
West Plains, Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP 21.1.09", "Stathmopoda plumbiflua Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 300, pl. xxxii fig. 21.

skelloni Butler, 1880, p. 562 (*Boocara*)
[Blenheim] MB, W. Skellon; HT ♀ designated by Butler, hindwings and hindlegs in gelatin capsule, BMNH.
Hudson 1928, p. 299, pl. xxxii fig. 17, as *Stathmopoda phlegyra.*

phlegyra Meyrick, 1889b, p. 168 (*Stathmopoda*). **New synonymy.**
"Taranaki" [New Plymouth] TK, E. Meyrick; LT ♂ here designated, labelled "Taranaki New Zealand 28/2/83", "Stathmopoda phlegyra Meyr. 17/19 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 299, pl. xxxii fig. 17.

fusilis Meyrick, 1914a, p. 111 (*Stathmopoda*). Synonymised (with *phylegyra*) by Meyrick (1921, p. 335).
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 299, as synonym of *Stathmopoda phlegyra*.

trimolybdias Meyrick, 1926b, p. 416 (*Stathmopoda*)
Ashhurst, Manawatu River WI, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 299, pl. xlviii fig. 21.

Also 2 undescribed species (NZAC).

• ***Calicotis*** Meyrick, 1889b, p. 170. Type species *Calicotis crucifera* Meyrick, by original monotypy.

crucifera Meyrick, 1889b, pp. 170–171 (*Calicotis*)
"Taranaki" [New Plymouth] TK, E. Meyrick; LT ♀ designated by Kasy (1973, p. 244), BMNH.
Hudson 1928, p. 297, pl. xxxii fig. 13.

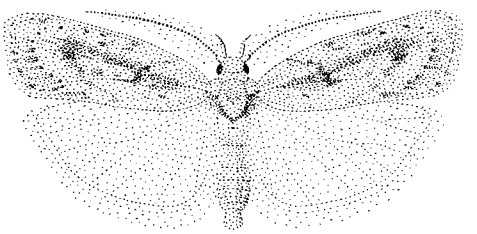
• ***Thylacosceles*** Meyrick, 1889b, p. 171. Type species *Thylacosceles acridomima* Meyrick, by original monotypy.

acridomima Meyrick, 1889b, p. 171 (*Thylacosceles*)
[Botanic Gardens and forest], Wellington WN, E. Meyrick; HT ♂ unique, BM genitalia slide no. 15341 ♂, BMNH.
Hudson 1928, p. 300, pl. xxxiv fig. 4 and 5.
Note. All 4 Meyrick Collection specimens are ♂♂ from Wellington. Hudson's collection (NMNZ) has both sexes from Wellington, with the ♀ indistinguishable from LT *epichlora*.

epichlora Meyrick, 1889b, p. 169–170 (*Stathmopoda*). **New synonymy.**
Otira Gorge WD, E. Meyrick; LT ♀ here designated, labelled "Otira Gorge New Zealand 24/1/83", "Pachyrhabda epichlora Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 300, not figured, as *Pachyrhabda epichlora* (transferred to *Pachyrhabda* by Meyrick 1915b, p. 222).
Note. All 5 PLTs (from Auckland AK, Wellington WN, and Otira WD) are ♀, and as all agree excellently with Hudson's illustration of a Wellington ♀ *acridomima*, the species is synonymised with *acridomima*.

radians Philpott, 1918, p. 129 (*Thylacosceles*)
Seaward Bush, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 301, pl. xxxviii fig. 16 and 17.

Subfamily STENOMATINAE
(in the sense of Hodges 1978, pp. 7–9)



Oecophoridae: Stenomatinae
(160) *Agriophara colligatella* (Walker)

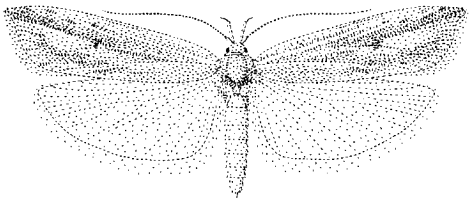
• ***Agriophara*** Rosenstock, 1885, p. 439. Type species *Agriophara cinerosa* Rosenstock; Australia.

Hypeuryntis Meyrick, 1879b, p. 389. Type species *Hypeuryntis coricopa* Meyrick. Synonymised by Meyrick (1915b, p. 221).

colligatella Walker, 1864a, p. 768 (*Cryptolechia*) **new combination, resurrected name**
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 288, not figured, as *Atomotricha colligatella*, after Meyrick (1915b, p. 218).

coricopa Meyrick, 1897b, p. 389–390 (*Hypeuryntis*), by original monotypy. **New synonymy.**
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 296, pl. xxv fig. 11 and 12, as *Agriophara coricopa*.

Subfamily XYLORYCTINAE
(in the sense of Hodges 1978, pp. 7–9)



Oecophoridae: Xyloryctinae
(161) *Donacostola notabilis* (Philpott)

• ***Donacostola*** Meyrick, 1931a, p. 95. Type species ?*Euprionocera notabilis* Philpott, by original designation.

notabilis Philpott, 1928a, pp. 368–369 (?*Euprionocera*)
Flora River NN, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1939, p. 454, pl. lviii fig. 15, as *Donacostola notabilis*.

• ***Scieropepla*** Meyrick, §1885i, p. 590; 1886b, p. 165. Type species *Scieropepla typhicola* Meyrick, by original monotypy.

typhicola Meyrick, §1885i, p. 590 (as *typicola*); 1886b, p. 165 (as *typhicola*, in *Scieropepla*)
Christchurch MC, E. Meyrick; 3 STs (1 ♂, 2 ♀♀) "Fereday Collection", CMNZ.
Hudson 1928, pp. 295–296, pl. xxxii fig. 15.
Note. This is another instance of a printer's error in the *N.Z. Journal of Science* (Dunedin).

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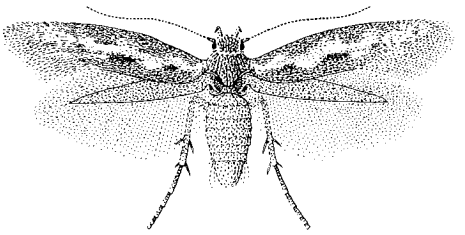
Family SCYTHRIDIDAE
(in the sense of Hodges 1978, pp. 7–9)



Scythrididae
(162) *Scythris epistrota* Meyrick

• ***Scythris*** of authors, in the sense of Meyrick (1915b, p. 210)

epistrota Meyrick, 1889b, p. 161 (*Butalis*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 4/1/80", "Scythris epistrota Meyr. 6/15 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 320, but not description or pl. xxviii fig. 13, which refers to an undescribed species from Mount Arthur NN.

lacustris Philpott, 1930a, p. 249 (*Elachista*). Synonymised by Meyrick (1931b, p. 369).
Lake Pukaki MK, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 459, as synonym.

nigra Philpott, 1931, p. 31 (*Scythris*)
Mount Maungatua DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 459, pl. lx fig. 3.

niphozela Meyrick, 1931b, p. 369 (*Scythris*)
Birdling's Flat MC, S. Lindsay; HT ♂ designated by Meyrick, CMNZ.
Hudson 1939, p. 459, pl. lx fig. 14.

triatma Meyrick, 1935, p. 304 (*Scythris*)
Puhipuhi River KA, G.V. Hudson; LT ♂ here designated, labelled "Puhipuhi River New Zealand GVH 11.11.33", "Scythris triatma Meyr. 3/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1939, p. 459, pl. lx fig. 2.

Also 2 undescribed species (NZAC).

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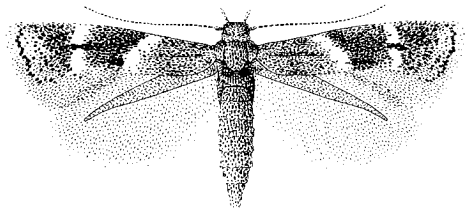
Family ELACHISTIDAE
(in the sense of Traugott-Olsen & Nielsen 1977, pp. 9–26)



Elachistidae
(163) *Cosmiotes archaeonoma* (Meyrick)

• ***Cosmiotes*** Clemens, 1860, p. 8. Type species *Cosmiotes illectella* Clemens, 1860; North America. See Braun (1948, pp. 89–90).

archaeonoma Meyrick, 1889b, p. 179, line 28 (*Elachista*)
Auckland [Domain] AK, E. Meyrick; LT ♂ here designated, labelled "Auckland New Zealand 12/1/80", "Elachista archaeonoma Meyr. 7/18 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 319, pl. xxviii fig.9 and 10, as *Elachista archaeonoma.*
Note. Placed in *Cosmiotes* by Dugdale (1971b, p. 79).

exaula Meyrick, 1889b, pp. 178–179 (*Elachista*)
Mount Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 4000 ft 15/1/85", "Elachista exaula Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 319, pl. xlvii fig. 3, pl. xxvii fig. 15, as *Elachista exaula.*
Note. Placed in *Cosmiotes* by Dugdale (1971b, p. 79).

helonoma Meyrick, 1889b, p. 178 (*Elachista*)
[Port Hills], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 4/1/80", "Elachista helonoma Meyr. 1/10 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 319, pl. xxviii fig. 14, as *Elachista helonoma.*
Note. Placed in *Cosmiotes* by Dugdale (1971b, p. 79).

laqueorum Dugdale, 1971b, pp. 80–82, fig. 21–24 (*Cosmiotes*)
Sinkhole Flat, The Snares islands, P.M. Johns; HT ♂ designated by Dugdale, NZAC.

ochroleuca Meyrick, 1923, p. 167 (*Elachista*)
Mount Aurum OL, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 320, pl. xl fig. 9, as *Elachista ochroleuca.*
Note. This species may be synonymous with *C. helonoma.* Placed in *Cosmiotes* by Dugdale (1971b, p. 79).

ombrodoca Meyrick, 1889b, p. 179, line 6 (*Elachista*)
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ here designated, labelled "Christchurch New Zealand 22/3/82", "Elachista ombrodoca Meyr. 1/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 319, pl. xxxviii fig. 4.
Note. Examination of a long series suggests that *C. ombrodoca* (South Island), *C. archaeonoma* (North Island), *C. aphanta* (Turner) from Queensland, and *C. synethes* Meyrick from Sydney, as well as material from Tasmania, Lord Howe Island, and Norfolk Island, are regional populations of a single species. A specimen referable to this complex was seen from Rennell Island (Solomon Islands). Placed in *Cosmiotes* by Dugdale (1971b, p. 79).

watti Philpott, 1924a, p. 213 (*Elachista*)
Waimarino TO, M.N. Watt; HT ♂ designated by Philpott, abdomen missing, NMNZ.
Hudson 1928, p. 319, not figured, as synonym of *Elachista exaula.*
Note. Placed in *Cosmiotes* by Dugdale (1971b, p. 79).

Also 3 undescribed species (3 NZAC; 1 Watt Collection, NMNZ).

• ***Elachista*** Treitschke, 1833, p. 177, in the sense of Traugott-Olsen & Nielsen (1977, pp. 46–48). Type species *Elachista bifasciella* Treitschke, by subsequent designation (Meyrick 1915b, p. 210).

Irenicodes Meyrick, 1919, p.352. Type species *Irenicodes eurychroa* Meyrick, by original monotypy. Synonymised by Traugott-Olsen & Nielsen (1977, p. 47).

Euproteodes Viette, 1954, p. 19. Type species *Euproteodes galatheae* Viette, by original designation. Synonymised by Traugott-Olsen & Nielsen (1977, p. 47).

Note. Examination of *E. holdgatei* Bradley from the Falkland Islands shows that the basal saccular arm articulates with the tip of the juxtal lobe (as it does in many Palearctic species), whereas in New Zealand species this arm articulates laterally with the juxtal lobe. Traugott-Olson & Nielsen (1977, pp. 17–18) recommend the terms *digitate process* for "sacculus lobes" and *juxtal lobes* for "anellar lobes" of Dugdale (1971b).

eurychora Meyrick, 1919, p. 352 (*Irenicodes*)
Paekakariki WN, G.V. Hudson; HT ♂ unique, BM genitalia slide no. 15852 ♂, BMNH.
Hudson 1928, p. 259, pl. xlvi fig. 10, as *Irenicodes eurychora* in "Diplosarides".
Note. Zimmerman (1971, p. 53) reassigned this species to Elachistidae.

galatheae is considered to consist of 3 subspecies, as follows:

galatheae galatheae Viette, 1954, p. 21 (*Euproteodes*, as species)
"Station L 409", Campbell Island, Lemche; HT ♂ designated by Viette, ZMKD.
Dugdale 1971b, pp. 83–85, fig. 25–28.

galatheae antipodensis Dugdale, 1971b, p. 85 (*Irenicodes*)
Antipodes Island, G. Kuschel; HT ♂ designated by Dugdale, NZAC.
Dugdale 1971b, pp. 85–86, fig. 29–31.

1 undescribed subspecies, Auckland Islands (NZAC)

hookeri Dugdale, 1971b, pp. 85–86 (*Irenicodes*)
Fairchild's Garden, Adams Island, Auckland Islands, K.A.J. Wise; HT ♂ designated by Dugdale, NZAC.
Dugdale 1971b, pp. 85–87, fig. 32–36.

napaea Philpott, 1930c, pp. 438–439 (*Elachista*)
Governor's Bush, Mount Cook MK, A. Philpott; HT ♂ designated by Philpott, abdomen missing, wings mounted on card, CMNZ.
Hudson 1939, pp. 458–459, pl. lx fig. 24.

plagiaula Meyrick, 1938, pp. 427–428 (*Thectophila*) **new combination**
Freehold Range, Lake Ohau MK; HT ♂ designated by Meyrick, CMNZ.
Hudson 1939, p. 441, pl. lxi fig. 28, as *Thectophila plagiaula* in Cosmopterigidae.
Note. Both type specimens (PLT ♂ in BMNH) lack characters of Cosmopterigidae; they are members of the *sagittifera / thallophora* species group in *Elachista*.

pumila Dugdale, 1971b, pp. 87–88 (*Irenicodes*)
Bivouac Hill, Auckland Islands, J.L. Gressitt; HT ♂ designated by Dugdale, NZAC.
Dugdale 1971b, pp. 87–89, fig. 37–39.

sagittifera Philpott, 1927d, p. 84 (*Elachista*)
Arthur's Pass NC/WD, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 458, pl. lx fig. 1.

thallophora Meyrick, 1889b, p. 178 (*Elachista*)
[sandhills near] Kaiapoi MC, E. Meyrick; LT ♂ here designated, labelled "Kaiapoi New Zealand 31/3/82", "Elachista thallophora Meyr. 1/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 319, pl. xlvi fig. 12.

Also 2 undescribed species (NZAC).

• ***Elachista*** of authors

gerasmia Meyrick, 1889b, p. 177 (*Elachista*)
[swampy forest near] Hamilton WO, E. Meyrick; LT ♂ here designated, labelled "Hamilton New Zealand 15/1/80", "Elachista gerasmia Meyr. 2/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 319–320, pl. xxviii fig. 11.
Note. Dugdale (1971b, p. 79) lists points of difference between *E. gerasmia* and other elachistid groups in New Zealand. It has been reared from larvae mining *Juncus*; the naked pupa is held by a girdle (as in some Papilionoidea).

melanura Meyrick, 1889b, p. 177 (*Elachista*)
[heath-like scrub and swamp near] Hamilton WO, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 320, not figured.
Note. A ♀ from Sydney N.S.W. placed with the HT in BMNH differs markedly in colour pattern. *E. melanura* has not been collected since Meyrick's time in New Zealand.

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Superfamily COSSOIDEA
Family COSSIDAE

• ***Xyleutes*** Hübner, 1820, p. 195. Type species *Xyleutes crassa* Drury, 1780, by subsequent designation (Kirby 1892, p. 874).

boisduvali Rothschild, 1896, p. 232 (*Xyleutes*)
[Australia].
New Zealand: adventive, non-establishing (Philpott 1927a, p. 708).

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Superfamily SESIOIDEA
Family SESIIDAE

• ***Synanthedon*** Hübner, 1819, p. 129. Type species *Sphinx oestriformis* Röttemburg, as in Duckworth & Eichlin (1974, p. 25).

tipuliformis Clerck, 1759, pl. 9 fig. 1 (*Sphinx*)
[Europe; adventive to Canada].
New Zealand: adventive, widespread on *Ribes*; first reported by Fereday (1869, p. 146).
Hudson 1928, p. 250, pl. xxxiii fig. 6 .
Note. *Synanthedon tipuliformis* is conserved by ICZN opinion 1288 (1985a).

salmachus Linnaeus, 1758, p. 493 (*Sesia*). Name suppressed by ICZN opinion 1288 (1985a). [See Kristensen 1980, pp. 154–155.]

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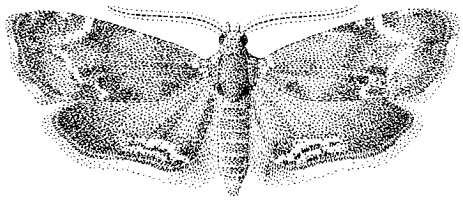
Family CHOREUTIDAE
(in the sense of Heppner & Duckworth 1981, p. 45)



Choreutidae
(164) *Asterivora combinatana* (Walker)

• ***Asterivora*** Dugdale, 1979, p. 461. Type species *Simaethis combinatana* Walker, by original designation (Dugdale 1979, p. 461).

Asterophaga Horning & Greenwood, 1977, p. 295; nomen nudum.

Simaethis not of Leach (1815, p. 135) but in the sense of Meyrick (1880b, p. 210).

albifasciata Philpott, 1924a, p. 2113 (*Simaethis*)
Mt Arthur NN, 4,000 ft, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 309, pl. l fig. 6 and 7, as *Simaethis albifasciata.*

analoga Meyrick, 1912c, p. 122 (*Simaethis*)
Mt Arthur NN, 4,000 ft, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 15.1.86", "Simaethis analoga Meyr. 3/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 309, pl. xlvi fig. 1, as *Simaethis analoga.*

antigrapha Meyrick, 1911b, p. 76 (*Simaethis*)
"Kaitoke and Karori [WN], in December and March (Hudson); three specimens" (Meyrick 1911, p. 76); LT and 2 PLTs not in BMNH; other BMNH material either wrong month (November) or wrong years (1910, 1913, 1914, 1916, 1922).
Hudson 1928, p. 309, pl. xxxiii fig. 28, as *Simaethis antigrapha.*

barbigera Meyrick, 1915a, p. 203 (*Simaethis*)
Mt Cleughearn, Hunter Mountains FD, A. Philpott; HT ♀ unique, BMNH.
Hudson 1928, p. 310, pl. xl fig. 13, as *Simaethis barbigera.*

chatuidea Clarke, 1926, p. 421 (*Simaethis*)
Anderson's Bay DN, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Not mentioned by Hudson.

colpota Meyrick, 1911b, p. 67 (*Simaethis*)
West Plains, Invercargill SL, A. Philpott; HT ♀ unique, BMNH.
Hudson 1928, p. 308, pl. xl fig. 14, as *Simaethis colpota.*

combinatana Walker, 1863c, p. 456 (*Simaethis*)
[Auckland AK], "New Zealand", D. Bolton; LT ♀ designated by Durrant and here published, BMNH.
Hudson 1928, p. 307, pl. xxxiii fig. 29, as *Simaethis combinatana.*

abstitella Walker, 1864b, p. 997 (*Simaethis*). Synonymised by Meyrick (1883, p. 184).
[Auckland AK], "New Zealand", D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 307, as synonym.

zomeuta Meyrick, 1912c, p. 121 (*Simaethis*). Synonymised by Hudson (1923, p. 307).
Mt Arthur NN, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, pp. 307–308, as synonym.

exocha Meyrick, 1907c, pp. 120–121 (*Simaethis*)
Humboldt Range, Lake Wakatipu OL, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 307, pl. xxxiii fig. 31.

fasciata Philpott, 1930b, p. 13 (*Simaethis*)
Arthur's Pass NC/WD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 457, pl. lx fig. 17, as *Simaethis fasciata.*

inspoliata Philpott, 1930b, p. 12 (*Simaethis*)
Hunter Mountains FD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 457, pl. lx fig. 18, as *Simaethis inspoliata.*

iochondra Meyrick, 1911b, p. 77 (*Simaethis*)
Mount Holdsworth, Tararua Range WN, 3,000 ft, G.V. Hudson; LT ♂ here designated, labelled "Mt Holdsworth New Zealand GVH 2.10", "Simaethis iochondra Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 308, pl. xxxiii fig. 1 and 2, as *Simaethis iochondra.*

marmarea Meyrick, 1888e, p. 85 (*Simaethis*)
Lake Wakatipu OL, [2,200 ft], E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 309, not figured, as *Simaethis marmarea.*

microlitha Meyrick, 1888e, p. 84 (*Simaethis*), in the restricted sense of (Meyrick 1912c, p. 122)
Arthur's Pass NC/WD, [3,000–5,000 ft], E. Meyrick; LT ♀ here designated, labelled "Arthur's Pass New Zealand 25.1.83", "Simaethis microlitha Meyr. 2/19 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 309, pl. xl fig. 7, as *Simaethis microlitha.*
Note. Meyrick (1912c) restricted his concept of this species to the 2 Arthur's Pass specimens; his 1888c series included specimens from Mt Arthur NN and Castle Hill MC. I could not find the specimens from Castle Hill.

ministra Meyrick, 1912c, p. 121 (*Simaethis*)
Mount Holdsworth WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 308, pl. xxxiii fig. 30, as *Simaethis ministra.*

nivescens Philpott, 1926a, p. 397 (*Simaethis*)
[Gordon's Pyramid], Mt Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 310, pl. lii fig. 4, as *Simaethis nivescens.*

oleariae Dugdale, 1979, p. 462 (*Asterivora*)
The Snares islands, D.S. Horning; HT ♂ designated by Dugdale, NZAC.

symbolaea Meyrick, 1888e, p. 85 (*Simaethis*)
Arthur's Pass NC/WD, [3,000–5,000 ft], E. Meyrick; LT ♂ here designated, labelled "Arthur's Pass New Zealand 25.1.83", "Simaethis symbolaea Meyr. 7/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 308, pl. xl fig. 21, as *Simaethis symbolaea.*

tillyardi Philpott, 1924c, p. 666 (*Simaethis*)
Mt Cook MK, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 310, pl. li fig. 22, as *Simaethis tillyardi.*

tristis Philpott, 1930b, p. 12 (*Simaethis*)
[Tongariro] Mt Ruapehu TO, A. Philpott; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 457, pl. lx fig. 16, as *Simaethis tristis.*

urbana Clarke, 1926, pp. 420–421 (*Simaethis*)
Arthur's Pass NC/WD, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, pp. 309–310, pl. lii fig. 16, as *Simaethis urbana.*

Also 3 undescribed species (NZAC).

• ***Tebenna*** Billberg, 1820, p. 90. Type species *Tinea bjerkandrella* Thunberg, 1784, p. 79, by subsequent designation (Bradley 1966, p. 220).

micalis Mann, 1857, p. 181 (*Choreutis*)
Fiume [Rijeka], Yugoslavia, Wacke; LT ♂ selected by A. Diakonoff, ZILR.
Hudson 1928, p. 310, pl. xxxiii fig. 27, as *Choreutis bjerkandrella.*

bradleyi Clarke, 1971, pp. 166–167 (*Tebenna*). Synonymised by Diakonoff (1986, p. 153).
Haumoana HB, T.H. Davies; HT ♂ designated by Clarke, NZAC (since 1973).

bjerkandrella in the sense of Meyrick (1915b, p. 225; *Choreutis*).

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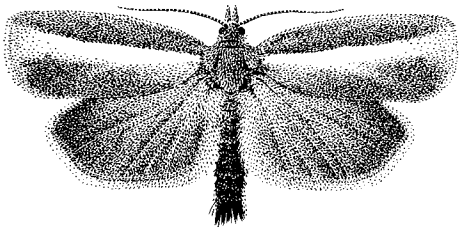
Superfamily TORTRICOIDEA
Family TORTRICIDAE



Tortricidae
(165) *Gelophaula trisulca* (Meyrick)

Subfamily CHLIDANOTINAE
(in the sense of Horak 1984, pp. 8 and 10)
Tribe Polyorthini
(in the sense of Diakonoff 1974)

• ***Lopharcha*** Diakonoff, 1941, p. 424. Type species *Lopharcha quinquestriata* Diakonoff, by original designation.

Laciniella Dugdale, 1966, p. 768. Type species *Laciniella insolita* Dugdale, 1966, by original designation. **New synonymy.**

insolita Dugdale, 1966, p. 768 (*Laciniella*) **new combination**
Rotoehu BP, R. Leggatt; HT ♂ designated by Dugdale, NZAC.
Note. The species *insolita* has genital characters intermediate between species groups 1 and 2 of Diakonoff (1974, pp. 23 and 50).

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Subfamily OLETHREUTINAE
(in the sense of Horak 1984, p. 10)

• ***Acroclita*** of authors, but not of Lederer (1859)

discariana Philpott, 1930a, p. 248 (*Acroclita*)
Porter River MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 436, pl. lvii fig. 11 and 12.

• ***Argyroploce*** of authors, but not of Hübner (1825)

chlorosaris Meyrick, 1914a, p. 106 (*Argyroploce*)
Day's Bay WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 249, pl. lvii fig. 26.

• ***Bactra*** Stephens, 1834, in the sense of Diakonoff (1964). Type species *Tortrix lancealana* Hübner, 1796, by original designation.

Noteraula Meyrick, 1892, p. 217. Type species *Bactra straminea* Meyrick, 1892, not of Butler (1881b, p. 393); synonymised by Diakonoff (1956, p. 18).

noteraula Walsingham, 1907, p. 689 (*Bactra*), new name for *Noteraula straminea* Meyrick, 1885 (but not Butler, 1881b, p. 393).

straminea [not of Butler, 1881b] Meyrick, 1885g, p. 142 (*Noteraula*).
Wanganui WI [in swamp], E. Meyrick; LT ♂ designated by Diakonoff (1964, p. 21), BMNH.
Hudson 1928, p. 248, pl. xxvi fig. 9, as *Bactra noteraula*.

xystrota Meyrick, 1911b, pp. 62–63 (*Bactra*). Synonymised by Diakonoff (1964, p. 21).
Invercargill SL, A. Philpott; LT ♂ designated by Diakonoff (1964, p. 21), BMNH.
Hudson 1928, p. 249, pl. xxvi fig. 18, as species.

optanias Meyrick, 1911c, p. 89 (*Bactra*) [published 1 July 1911]
Hamilton WO, E. Meyrick; LT ♀ here designated, labelled "Hamilton New Zealand 13/1/80", "Bactra optanias Meyr. 3/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 248, pl. xlv fig. 30.
Note. This is *Aphelia lanceolana* in the sense of Meyrick (1881b, pp. 651–652; 1883b, p. 59), not of Hübner. Diakonoff (1964, p. 40) chose as lectotype a ♂ from Meyrick's Australian syntype series, described by Meyrick (1911d, p. 253 [published 20 November 1911]). Meyrick described *optanias* from New Zealand and Australia separately, on 1 July and 20 November 1911 respectively, each time stating "B. optanias n. sp.". Each description is based solely on material from the country in which he published (e.g., 1 July 1911 "the above description is taken solely from my New Zealand examples"). Diakonoff's lectotype designation is valid for the Australian species, but invalid for the New Zealand species. Should the two type populations be shown to be conspecific (e.g., reproductively effective), Diakonoff's actions stand, under the principle of the action of the first reviser.

• ***Crocidosema*** Zeller, 1847, p. 721. Type species *Crocidosema plebejana* Zeller, by original monotypy.

plebejana Zeller, 1847, p. 721
Cosmopolitan.
New Zealand: widespread on herbaceous Malvaceae.
Hudson 1928, p. 248, pl. xlix fig. 10, as *C. plebeiana*. First reported by Philpott (1923, p. 151).

• ***Cryptaspasma*** Walsingham, 1900, p. 462, in the sense of Diakonoff (1959). Type species ?*Penthina lugubris* Felder & Rogenhofer, by original designation; Brazil.

querula Meyrick, 1912c, p. 125 (*Eucosma*)
Wellington WN, G.V. Hudson; LT ♂ designated by Diakonoff (1959, p. 28), BMNH.
Hudson 1928, pp. 247–248, pl. xxv fig. 36 and 37, as *Eucosma querula*.

• ***Cydia*** Hübner, [1825], p. 375. Type species *Phalaena Tortrix pomonella* Linnaeus, by subsequent designation (Walsingham 1897, pp. 125 and 130).

pomonella Linnaeus, 1759, p. 538 (*Phalaena Tortrix*)
European.
New Zealand: man-adventive. First recorded by Meyrick at Wellington "in town", 31 December 1879 (Meyrick's Diary of Captures).
Hudson 1928, p. 249, pl. xxv fig. 38, as *Laspeyresia pomonella*.
Note. The binomen for the codlin moth as given here was 'stabilised' by Brown (1979, p. 565). Kuznetsov & Kerzhner (1984, pp. 110–113) have queried the interpretation of the evidence, and proposed conservation of *Laspeyresia* Hübner, but separate dissenting views are given by Hodges (1985), Miller (1985), and Bradley *et al.* (1985).

• ***Grapholita*** Treitschke, 1829, p. 232. Type species *Pyralis dorsana* Fabricius, as reported by Fernald (1908, p. 57).

molesta Busck in Quaintance & Wood, 1916, p. 373 (*Laspeyresia*)
New Zealand: man-adventive since 1973; north of 40°S (1984).

• ***Hendecasticha*** Meyrick, 1881b, p. 692. Type species *Hendecasticha aethaliana* Meyrick, by original monotypy.

aethaliana Meyrick, 1881b, p. 692 (*Hendecasticha*)
Hamilton WO, E. Meyrick; LT ♂ here designated, labelled "Hamilton New Zealand 15/1/80", "Hendecasticha aethaliana Meyr. 4/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 245, pl. xlv fig. 31.

• ***Parienia*** Berg, 1899, p. 78, new name for *Exoria* Meyrick, §1882c, preoccupied by *Exoria* Hübner, 1825 (Pyralidae).

Exoria Meyrick, §1882c, p. 278; 1883b, pp. 58 (key) and 65. Type species *Exoria mochlophorana* Meyrick, §1882c, by original monotypy.

mochlophorana Meyrick, §1882c, p. 278; 1883b, p. 65 (*Exoria*)
South Rakaia MC, W.H. Gaze; HT ♀ unique, BMNH.
Hudson 1928, p. 247, not figured.

aphrias Meyrick, 1901, p. 578 (*Epiblemma*). Synonymised by Philpott (1931, p. 30).
[The Elbow (near Lumsden)], Invercargill SL, E. Meyrick; LT ♂ here designated, labelled "Invercargill New Zealand 14/12/82", "Epiblemma aphrias Meyrick teste K.R. Tuck 1980", "Eucosma mochlophorana Meyr. 2/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 247, not figured.

trimaculata Philpott, 1915, pp. 198–199 (*Eurythecta*). Synonymised by Philpott (1931, p. 30).
Queenstown OL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 224, pl. xxvii fig. 6 and 7.

• ***Protithona*** Meyrick, §1882c, p. 278; 1883b, pp. 58 (key) and 62. Type species *Protithona fugitivana* Meyrick, by original monotypy.

Raumatia Philpott, 1928e, p. 473; 1928g, pp. 487–488 (nomen nudum). Type species *Eurythecta potamias* Meyrick, by original designation.

fugitivana Meyrick, §1882c, p. 278; 1883b, p. 62 (*Protithona*)
Lake Coleridge MC, R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1928, p. 247, not figured (but p. 224, pl. xlv fig. 8, as *Eurythecta varia* Philpott); 1939, p. 437.

varia Philpott, 1916, pp. 421–422 (*Eurythecta*). Synonymised by Philpott (1931, p. 30).
Kaikoura Range KA, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 224, pl. xlv fig. 8.

potamias Meyrick, 1909a, p. 11 (*Eurythecta*)
[Riverton], Invercargill SL, A. Philpott; LT ♂ here designated, labelled "Invercargill New Zealand AP 3.07", "Eucosma potamias Meyr. 4/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 224–225, pl. xxvi fig. 11 and 12; type locality given as sandhills, Riverton.
Note. This species was probably collected on salt-tolerant short turf among sandhills (B. Patrick, pers. comm.).

• ***Strepsicrates*** Meyrick, 1888, p. 73, new name for *Strepsiceros* Meyrick, preoccupied by *Strepsiceros* Rafinesque, 1815 (Mammalia).

Strepsiceros Meyrick, 1881b, p. 678. Type species *Sciaphila ejectana* Walker, 1863, by subsequent designation (Meyrick 1911, p. 87).

charopa Meyrick, 1888d, p. 73 (*Strepsicrates*)
[Waitakere Range], Auckland AK, E. Meyrick; LT ♂ here designated, labelled "Auckland New Zealand 17/12/85", "Strepsicrates charopa Meyr. 1/4 E. Meyrick det. in Meyrick Coll.", "Lectotype", BMNH.
Hudson 1928, p. 245, not figured; 1939, p. 436, pl. lxi fig. 11, as *Spilonota charopa*.

dolopaea Meyrick, 1905, pp. 232–233 (*Strepsicrates*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 245, pl. xxvii fig. 25, pl. xlvii fig. 5, as *Spilonota dolopaea*.

ejectana Walker, 1863c, p. 350 (*Sciaphila*)
Sydney N.S.W., Lambert; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 246, pl. xxvii fig. 1 and 2, as *Spilonota ejectana*.

servilisana Walker, 1863c, p. 356 (*Sciaphila*). Synonymised by Meyrick (1881b, p. 681).
Auckland AK, D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 246, as synonym.

infimana Walker, 1863c, p. 357 [line 8] (*Sciaphila*). **New synonymy.**
Auckland AK, D. Bolton; LT ♂ here designated, labelled "Sciaphila infimana" (printed strip), "Sciaphila infimana Wkr Cat. Lep. Het. BM 28 p.357 (1863) Type ♂ ", "New Zeal. // 54.4" (circular label), "Type" (circular label), BMNH.
Note. Redescribed by Walker (1864b, p. 986) as *infimama*. Meyrick (1881b, p. 704) wrote of *infimana*: "Type very worn, unidentifiable. Meyr.".

saxana Walker, 1863c, p. 357 [line 23] (*Sciaphila*). Synonymised by Meyrick (1881b, p. 681).
Auckland AK, D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 246, as synonym.

ligniferana Walker, 1863, p. 363 (*Conchylis*). Synonymised by Meyrick (1881b, p. 681).
Sydney N.S.W., Diggles; HT ♀ unique, BMNH.
Hudson 1928, p. 246, as synonym.

emplasta Meyrick, 1901, p. 571 (*Strepsicrates*)
[West Plains] Invercargill SL, [A. Philpott] G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 246; 1939, p. 436, pl. lxi fig. 10, as *Spilonota emplasta*.

infensa Meyrick, 1911d, p. 228 (*Spilonota*)
Brisbane Qld, Turner; type material BMNH.
New Zealand: recorded ND–SL, on *Eucalyptus* species.
Not mentioned by Hudson.

macropetana Meyrick, 1881b, pp. 683–684 (*Strepsiceros*)
Blackheath N.S.W., E. Meyrick; type series BMNH.
New Zealand: recorded AK–SL, on *Eucalyptus* species.
Hudson 1928, p. 247, pl. xlix fig. 8, as *Spilonota macropetana*.
Note. Meyrick (1923, p. 164) gives the first record, received by Hudson (1921) from *Eucalyptus* foliage at Auckland.

parthenia Meyrick, 1888d, pp. 73–74 (*Strepsicrates*)
[Waitakere Range], Auckland AK, E. Meyrick; LT ♂ here designated, labelled "Auckland New Zealand 22/12/85", "Strepsicrates parthenia Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 245–246, pl. xxvii fig. 26, as *Spilonota parthenia.*

sideritis Meyrick, 1905, p. 232 (*Noteraula*) **new combination**
"New Zealand", ?G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 249, not figured, as *Bactra sideritis.*
Note. Although the locality label reads "New Zealand G.V.H. /00", Hudson (1928, p. 249) states "... is believed to have been taken at Wellington ... I am unacquainted with this insect". Diakonoff (1964, p. 80) notes that *sideritis* is an "apocryphal *Bactra*"; and as the ♀ has 2 hooked signa, it "is not a *Bactra* at all".

chaophila Meyrick, 1909a, p. 10 (*Strepsicrates*). **New synonymy.**
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 246, pl. xxvi fig. 35 and 36, as *Spilonota chaophila.*

zopherana Meyrick, 1881b, pp. 688–689 (*Strepsiceros*)
Sydney N.S.W., E. Meyrick; LT ♂ selected by I.F.B. Common and here designated, labelled "Strepsiceros zopherana Meyr. Lectotype IFBC vii. 1954", "Sydney N.S. Wales 19/1/79", "Strepsiceros zopherana Meyr. 7/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 246, pl. xxvii fig. 29; also pl. xxvii fig. 27 (Hudson 1939, p. 436), as *Spilonota zopherana.*
Note. ?Naturally common to Australia and New Zealand.

• Also 1 undescribed genus and species (NZAC).

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Subfamily TORTRICINAE
(in the sense of Horak 1984, pp. 8 and 9)

Most New Zealand Tortricinae were placed by Meyrick in Palearctic genera. These have since been redefined by modern workers on genital characters (largely ignored for this group by Meyrick), and therefore restricted. Those New Zealand species that lack generic placement are here listed under the genus names used by Hudson (1928, 1939), and are placed at the end of each tribal section; the reader is thereby warned that the classification is in need of revision. Placement of any two species under such genus names is not, therefore, an intentional indication of relationship. Horak (1984, pp. 3–64) gives a detailed account of structures used in the classification of this group.

Tribe Archipini in the strict sense
(Obraztsov 1942, p. 147 (in part))

Note. Only those groups lacking a costa on the ♂ valva, and with the valva characteristically triangular and 'plicate', are here included in this tribe.

• ***Epiphyas*** Turner, 1927, p. 126. Type species *E. eucyrta* Turner, by original designation.

Austrotortrix Bradley, 1956a, p. 101. Type species *Teras postvittana* Walker, by original designation. Synonymised by Common (1961, p. 178).

postvittana Walker, 1863c, p. 297 (*Teras*)
Sydney N.S.W., Lambert; HT ♀ unique, BMNH.
New Zealand: recorded ND–SL.
Hudson 1928, p. 228, pl. xxiv fig. 36, as *Tortrix postvittana.*
Note. Common (1961, p. 180) gives synonymy. A specimen in CMNZ is labelled as reared from Tasmanian apples in 1887; and from about 1891 the species became widespread (Philpott 1925, p. 366). Meyrick did not obtain specimens in New Zealand over the period December 1879 to February 1886.

• ***Ericodesma*** Dugdale, 1971b, p. 158. Type species *Tortrix melanosperma* Meyrick, 1916, by original designation.

aerodana Meyrick, 1881a, p. 520 (*Tortrix*)
Hamilton WO, E. Meyrick; LT ♂ here designated, labelled "Hamilton New Zealand 17.1.80", "Tortrix aerodana Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", "Lectotype Tortrix aerodana Meyr. J.D. Bradley 1962", "BM genitalia slide no. 88960 ♂", BMNH.
Hudson 1928, p. 227, pl. xlv fig. 17; also p. 227, pl. xxvi fig. 8; as *Tortrix indigestana* [not of Meyrick (1881a, p. 520)].
Note. Dugdale's (1971, p. 158) mention of *E. aerodana* on *Styphelia* (as *Cyathodes*) refers to an undescribed species. The host plants of *E. aerodana* are mat-forming *Pimelea* species.

argentosa Philpott, 1924a, pp. 209–210 (*Tortrix*)
Dun Mountain NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 227, not figured, as *Tortrix argentosa.*

subdola Philpott, 1924a, p. 212 (*Tortrix*). **New synonymy.**
Mt Ruapehu TO, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 227, not figured, as *Tortrix subdola.*

cuneata Clarke, 1926, p. 419 (*Tortrix*)
Hope Arm, Lake Manapouri FD, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Not mentioned by Hudson.

melanosperma Meyrick, 1916b, p. 414 (*Tortrix*)
Arthur's Pass NC/WD, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.

Hudson 1928, p. 227, pl. xlvii fig. 4, as *Tortrix melanosperma.*

scruposa Philpott, 1924a, p. 212 (*Tortrix*)
Mt Ruapehu TO, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 232, pl. 1 fig. 4, as *Tortrix scruposa.*

maculosa Philpott, 1927d, p. 84 (*Tortrix*). Synonymised by Hudson (1939, p. 433).
Quartz Range NN, A. Philpott: HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 433, as synonym.

Also 2 undescribed species (NZAC).

• ***Eurythecta*** Meyrick, 1883b, pp. 36 (key) and 56. Type species ?*Zelotherses robusta* Butler, 1877, by original monotypy.

robusta Butler, 1877, p. 403 (?*Zelotherses*)
"Canterbury Plains" MC, J.D. Enys; LT ♀ here designated, labelled "N. Zeal. 77.34", "Zelotherses robusta Btlr. P.Z.S. Lond. p. 403 + fig. 43'17 (1877)", "BM genitalia slide 10690", BMNH.
Hudson 1928, p. 224, pl. xxvi fig. 23, as *Eurythecta robusta.*

negligens Butler, 1877, p. 404 (*Steganoptycha*). Synonymised by Meyrick (1883b, p. 56).
"Canterbury Plains" MC, J.D. Enys; HT ♂ unique, BMNH.
Hudson 1928, p. 224, as synonym.

zelaea Meyrick, 1905, pp. 233–234 (*Eurythecta*)
[Ida Valley CO], Dunedin DN, J.H. Lewis; LT ♂ here designated, labelled "Dunedin New Zealand J.H.L. '03", "Eurythecta zelaea Meyr. 1/2 E. Meyrick det. in Meyrick Coll.", "BM genitalia slide no. 10689", BMNH.
Hudson 1928, p. 224, pl. xxvi fig. 10.

Also 1 undescribed species (B. Patrick Collection, Dunedin).

• ***Merophyas*** Common, 1964, p. 298. Type species *Conchylis divulsana* Walker, 1863, p. 364; Australia.

leucaniana Walker, 1863c, p. 370 (*Conchylis*) **new combination**
Auckland AK, D. Bolton; LT ♂ selected by H. Durrant, July 1919, and here designated, labelled "Auckland New Zealand, Bolton 1854:4", "Conchylis leucaniana Wlkr ♂ Cat. Lep. Het. BM 28 p.370 sp 132 (1863) a) New Zealand, Bolton 1854:4 Type ♂ 1/5 descr.", "BM genitalia slide 8907 ♂", BMNH.
Hudson 1928, p. 226, pl. xxvi fig. 29, as *Tortrix leucaniana.*

intactella Walker, 1864a, p. 652 (*Gelechia*). Synonymised by Meyrick (1881a, p. 517).
Auckland AK, D. Bolton; LT ♂ selected by H. Durrant and here designated, labelled "Gelechia intactella Wlkr ♂ Cat. Lep. Het. BM 29 p.652 (1864) a) New Zealand, Bolton 54.4 Type ♂", "BM genitalia slide 12660", BMNH.
Hudson 1928, p. 226, as synonym.

pauculana Walker, 1866b, pp. 1781–1782 (*Teras*). Synonymised by Meyrick (1881a, p. 517).
Auckland AK, A. Sinclair; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 226, as synonym.
Note. The HT is glued to card.

philopoana Meyrick, 1881a, p. 515 (*Tortrix*). **New synonymy.**
Hamilton WO, E. Meyrick; LT ♂ selected by J.D. Bradley and here designated, labelled "Hamilton New Zealand 15.1.80", "Tortrix philopoana Meyr. 7/7 E. Meyrick det. in Meyrick Coll.", "BM genitalia slide 2050", BMNH.
Hudson 1928, p. 226, pl. xlv fig. 26, as *Tortrix philopoana*, as species.

paraloxa Meyrick, 1907c, p. 116 (*Eurythecta*) **new combination**
[Riverton] SL, A. Philpott; LT ♂ selected by J.D. Bradley and here designated, labelled "Invercargill New Zealand AP :06", "Eurythecta paraloxa Meyr. 1/5 Meyrick det. in Meyrick Coll.", "BM genitalia slide 8606 ♂", BMNH.
Hudson 1928, p. 225 (as from Riverton), pl. xxvi fig. 13, as *Eurythecta paraloxa.* Philpott's illustrations of the ♂ genitalia (1928d, p. 461, fig. 41; p. 462, fig. 47) clearly indicate that, on these structures, *paraloxa* is best placed in *Merophyas.*
Note. This species was probably collected on estuarine swards at Riverton.

Also 4 undescribed species (NZAC).

• One undescribed genus and species, Chatham Islands (NZAC).

Tribe Archipini
(in the broad sense, e.g., of Horak 1984)

Note. The tribe Epitymbiini Common, 1958b, p. 291, might well apply to some New Zealand groups, but in the absence of a 'definitive' classification they are left in Archipini in the broad sense. All species here have oblong valvae with a strongly sclerotised costa; in most the uncus is short, usually curved or deflexed, and often expanded apically.

• ***Ascerodes*** Meyrick, 1905, p. 234. Type species *A. prochlora* Meyrick, 1905, by original monotypy.

prochlora Meyrick, 1905, p. 234 (*Ascerodes*)
Humboldt Mountains OL, G.V. Hudson; HT ♂ unique, BMNH.

Hudson 1928, pp. 225–226, pl. xxiv fig. 38.

tritochlora Meyrick, 1912c, pp. 120–121 (*Harmologa*). **New synonymy.**
[alpine areas by Lake Harris, *c.* 4,000 ft] OL, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, pp. 235–236, pl. xxvi fig. 3, as *Gelophaula tritochlora*.

• ***Capua*** of authors

semiferana Walker, 1863c, p. 306 (*Teras*)
Auckland AK, D. Bolton; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 223, pl. xxvi fig. 7.

detritana Walker, 1863c, p. 356 (*Sciaphila*). Synonymised by Meyrick (1881a, p. 453; 1883b, p. 37).
Auckland AK, D. Bolton; LT ♂ selected by J.D. Bradley and here designated, labelled "Sciaphila detritana Wlker Cat. Lep. Het. BM 28, p.356 (1863) Type ♀", "New Zeal. 54.4", "BM genitalia slide ♂ 8559", BMNH.
Hudson 1928, p. 223, as synonym.

admotella Walker, 1863c, p. 485 (*Tinea*). Synonymised by Meyrick (1882, p. 453; 1883, p. 37).
Auckland AK, D. Bolton; LT ♀ selected by J.D. Bradley and here designated, labelled "admotella Wkr", "Tinea admotella Wlker Cat. Lep. Het. BM 28 p.485 (1863) Type ♂", "New Zeal. 54.4", "BM genitalia slide no. 8532 ♀", BMNH.
Hudson 1928, p. 228, as synonym.
Note. One PLT is *Strepsicrates zopherana* Tortricidae); the other is *Trachypepla euryleucota* Meyrick (Oecophoridae).

abnegatana Walker, 1864b, p. 991 (*Grapholitha*). Synonymised by Meyrick (1881a, p. 453; 1883, p. 37).
Auckland AK, D. Bolton; HT ♀ unique, BM genitalia slide no. 8537 ♀, BMNH.
Hudson 1928, p. 223, as synonym.

polias Meyrick, 1913a, p. 26 (*Capua*). Synonymised by Hudson (1928, p. 233).
Wellington WN, G.V. Hudson; HT ♂ unique, BM genitalia slide no. 8564 ♂, BMNH.
Hudson 1928, pl. xxvi fig. 5, as synonym.
Note. *Tortrix constrictana* Walker, 1866b, p. 1785, synonymised with *C. semiferana* by Meyrick (1911c, p. 82; 1913e, p. 13), is here removed from synonymy. The type ♂ of *T. constrictana* has the entire head and palpi dark-scaled and the forewing 3× longer than broad (New Zealand ♂ specimens have the face white- or grey-scaled, and the palpi are pallid on the inner surface). The type specimen of *T. constrictana* is listed as from Australia, collected by E. Damel.

Also 2 undescribed species (NZAC).

• ***Catamacta*** Meyrick, 1911c, p. 81. Type species *Pandemis gavisana* Walker, 1863, by original designation.

alopecana Meyrick, §1885b, p. 348; 1885g, pp. 147–148 (*Cacoecia*) **new combination**
Bealey Valley NC, E. Meyrick; LT ♂ selected by J.D. Bradley and here designated, labelled "Bealey River New Zealand 21.1.83", "Capua alopecana Meyr. 1/8 E. Meyrick det. in Meyrick Coll.", "BM genitalia slide no. 8510 ♂", BMNH.
Hudson 1928, p. 230, pl. xlv fig. 11, as *Tortrix alopecana*; 1939, p. 43, pl. lii fig. 30, larva, as *Capua alopecana*.
Note. On wing venation, wing position at rest, labial palpi, and ♂ and ♀ genitalia this species is included in *Catamacta* (see Dugdale 1971b, p. 164, for characters distinguishing *Catamacta* from *Pyrgotis*).

gavisana Walker, 1863c, p. 312 (*Pandemis*)
Auckland AK, D. Bolton; HT ♀ unique, BM genitalia slide no. 280, BMNH.
Hudson 1928, pp. 220–221, pl. xxii fig. 15–18, 34, and 35, as *Catamacta gavisana*.

innotatana Walker, 1863c, p. 333 (*Tortrix*?). Synonymised by Meyrick (1911c, p. 81).
[Nelson NN], T.R. Oxley; HT lost, BMNH.
Hudson 1928, p. 220, as synonym.

marginana Walker, 1863c, p. 371 (*Conchylis*). Synonymised by Meyrick (1881a, p. 442).
Auckland AK, D. Bolton; HT ♀ unique, BM genitalia slide no. 7808 ♀, BMNH.

porphyreana Meyrick, 1881a, pp. 443–444 (*Pyrgotis*). Synonymised by Meyrick (1883b, p. 40), as synonym of *Teras conditana* in the sense of Meyrick, but not of Walker (1863).
Wellington WN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 220, as synonym.

conditana not of Walker, but in the sense of Meyrick (1881a, p. 443, *Pyrgotis*; 1883b, p. 40, *Adoxophyes*). Synonymised by Meyrick (1911c, p. 81).

aoristana Meyrick, 1881a, p. 466 (*Capua*). Synonymised by Meyrick (1883b, p. 40), as synonym of *Adoxophyes conditana* in the sense of Meyrick, but not Walker.
Auckland AK, Wellington WN, E. Meyrick; ST series not found, BMNH.
Hudson 1928, p. 220, as synonym.
Note. I could not find in BMNH collections the ♂ recorded in Meyrick's Diary of Captures as "Cap. aoristana" collected at Wellington WN on 9 January 1880, nor the ♂ similarly recorded as collected at Auckland AK on 12 January 1880.

lotinana Meyrick, 1882c, p. 277; 1883b, p. 40 (*Adoxophyes*)
Christchurch MC, R.W. Fereday; LT ♂ selected by J.D. Bradley and here designated, labelled "Christchurch New Zealand RWF/82", "Catamacta lotinana Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", "abdomen missing", BMNH.
Hudson 1928, p. 220, pl. xlv fig. 15.

rureana Felder & Rogenhofer, 1875, pl. cxxxvii fig. 47 (*Rhacodia*)

[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1928, p. 220, pl. xxvii fig. 22 and 23.

camelina Meyrick, 1891, pp. 97–98 (*Adoxophyes*). Synonymised by Meyrick (1911, p. 81).
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 220, as synonym.

Also 1 new species (NZAC).

• ***Cnephasia*** of authors, e.g., Meyrick (1911c, p. 86; 1912e, p. 43; 1913e, p. 44), but not Obraztsov (1955, p. 147)

holorphna Meyrick, 1911b, p. 74 (*Cnephasia*)
Mount Enys MC, G.V. Hudson; HT ♂ unique, abdomen, hindwings, and right forewing missing, BMNH.
Hudson 1928, p. 243, pl. xxvii fig. 4.
Note. Hudson gives the type locality as Mt Olympus; both Enys and Olympus are in the Craigieburn Range. See *melanophaea*, below.

incessana Walker, 1863c, p. 304 (*Teras*)
[Nelson NN, T.R. Oxley]; LT ♂ selected by K.R. Tuck and here designated, labelled "Teras incessana Wlkr Cat. Lep. Het. BM 28 p.309 (1863) Type ♂", "Auckland N. Zeal. // 60.73", abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 242, pl. xxv fig. 9.

jactatana Walker, 1863c, p. 317 (*Batodes*)
[Nelson NN] "Auckland", T.R. Oxley; LT ♀ selected by K.R. Tuck and here designated, labelled "Batodes jactatana Wlkr Cat. Lep. Het. 28 p.317 (1863) Type ♂", "Auckland N. Zeal. // 60.73", [Walker's specimen a], BMNH.
Hudson 1928, p. 242, pl. xxv fig. 17 and 18.

flexivittana Walker, 1863c, p. 353 (*Sciaphila*). Synonymised by Meyrick (1881a, p. 488; 1883b, p. 54).
Auckland AK, D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 242, as synonym.

? privatana Walker, 1863c, p. 382 (*Paedisca*). Synonymised by Meyrick (1881a, p. 488; 1883, p. 54).
Auckland AK, D. Bolton; HT not found (K.R. Tuck, 1976), BMNH.
Hudson 1928, p. 242, as synonym.

voluta Felder & Rogenhofer, 1875, pl. cxxxvii fig. 39 (*Paedisca*). Synonymised by Meyrick (1881a, p. 488; 1883b, p. 54).
[Nelson NN, T.R. Oxley]; HT ♂ designated by Felder, head and abdomen missing, BMNH.
Hudson 1928, p. 242, as synonym.

latomana Meyrick, §1885b, p. 348; 1885g, p. 145 (*Harmologa*)
Arthur's Pass NC/WD, 4700 ft, E. Meyrick; HT ♀ unique, mislabelled as from Mt Arthur, BMNH.
Hudson 1928, p. 243, pl. xxvi fig. 37 and 38, as *Cnephasia latomana*.
Note. There are 2 geographic colour patterns; Hudson illustrates the Mt Arthur NN pattern, not the typical one.

melanophaea Meyrick, 1927a, p. 698 (*Cnephasia*)
Mount Arthur NN, 4,200 ft, Stella Hudson; LT ♂ selected by K.R. Tuck and here designated, labelled "Mt Arthur New Zealand SH 7.1.19", "Cnephasia melanophaea Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 243, pl. lii fig. 1 and 2.

microbathra Meyrick, 1911b, p. 62 (*Cnephasia*)
West Plains, Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 244, pl. xxvi fig. 39.

ochnosema Meyrick, 1936, pp. 281–282 (*Cnephasia*)
Jack's Pass, Hanmer MB, S. Lindsay; HT ♂ designated by Meyrick, CMNZ.
Hudson 1939, p. 436, pl. lxi fig. 7.
Note. The HT, labelled as "Type", was returned to Lindsay at CMNZ. It is characteristic of all Lindsay material that Meyrick holotypes were sent back to CMNZ.

paterna Philpott, 1926a, p. 391 (*Cnephasia*)
Little River, Banks Peninsula MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 244, pl. lii fig. 26.

Also 17 undescribed species (NZAC).

• ***Ctenopseustis*** Meyrick, §1885b, p. 348; 1885g, p. 146. Type species *Teras obliquana* Walker, 1863, by original monotypy.

fraterna Philpott, 1930b, p. 7 (*Ctenopseustis*)
Whangarei ND, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1928, pl. xxv fig. 3 (according to Hudson 1939, p. 433).
Note. *Ctenopseustis fraterna* was synonymised with *C. obliquana* by Hudson (1939, p. 433), but shown to be a valid species by Green & Dugdale (1983).

obliquana Walker, 1863c, p. 302 (*Teras*) in the sense of Green & Dugdale (1983, p. 430)
Auckland AK, D. Bolton; HT ♀ with abdomen missing, BMNH.
Hudson 1928, p. 234, pl. xxv fig. 4–6 and 8–10.

spurcatana Walker, 1863c, p. 305 (*Teras*). Synonymised by Meyrick (1883b, p. 60).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1928, p. 234, as synonym, after Meyrick (1883, p. 60).

transtrigana Walker, 1863c, p. 354 (*Sciaphila*). Synonymised by Meyrick (1881a, p. 487, with *spurcatana*; 1883b, p. 60, with *obliquana*).

[Nelson NN], T.R. Oxley; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 234, as synonym.

turbulentana Walker, 1863c, p. 355 (*Sciaphila*). Synonymised by Meyrick (1881a, p. 487, with *spurcatana*; 1883b, p. 60, with *obliquana*).
[Nelson NN], T.R. Oxley; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 234, as synonym.

ropeana Felder & Rogenhofer, 1875, pl. cxxxvii fig. 46 (*Teras*). Synonymised by Meyrick (1881a, p. 487, with *spurcatana*; 1883b, p. 60, with *obliquana*).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 234, as synonym.
Note. The *ropeana* HT falls within the range of morphological variation shown by topotypic *inana*. Cross-attraction between populations from Nelson and Christchurch has yet to be investigated.

herana Felder & Rogenhofer, 1875, pl. cxxxvii fig. 52 (*Teras*). Synonymised by Meyrick (1883b, p. 60).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 234, as synonym.
Note. As for *ropeana*, HT *herana* may yet prove to be conspecific with *Ctenopseustis inana*.

charactana Meyrick, 1881, p. 492 (*Cacoecia*). **New synonymy.**
Auckland AK, E. Meyrick; HT ♀ unique, labelled "Auckland New Zealand 12.1.80", BMNH.
Hudson 1928, p. 227, is irrelevant.
Note. The HT was found in a "supplementary" series of *C. obliquana* at BMNH. Meyrick had removed it from his series of *charactana*, all of which are of a *Coprosma*-eating tortricid superficially like *C. obliquana* which now lacks a name. See under *Planotortrix coprosmae* (p. 125).

inana Butler, 1877, p. 403, pl. xliii fig. 13 (*Cacoecia*) **revised status**
[?Christchurch MC or ?Dunedin DN], J. Hector; HT ♀ unique, BM genitalia slide no. 1069 ♀ (abdomen glued), BMNH.
Hudson 1928, p. 234, as synonym of *obliquana*.
Note. *Cacoecia inana* was wrongly placed in synonymy with *Planotortrix excessana* (Walker) by Dugdale (1966, p. 396) and synonymised with *obliquana* by Green & Dugdale (1983, p. 430). The exact type locality is in doubt, but the material sent by Dr Hector was largely collected by J.D. Enys in mid Canterbury. Populations from this area are pheromonally distinctive, showing no cross-attraction with *Ctenopseustis obliquana* (Foster & Roelofs 1987).

servana Walker, 1863c, p. 306 (*Teras*)
Auckland AK, D. Bolton; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, pl. xxv fig. 7, as *Ctenopseustis obliquana*.

priscana Walker, 1863c, p. 307 (*Teras*). Synonymised by Green & Dugdale (1983, p. 431).
[Auckland AK], D. Bolton; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 234, as synonym of *obliquana*.

congestana Walker, 1863c, p. 308 (*Teras*). Synonymised by Green & Dugdale (1983, p. 431).
[Auckland AK], D. Bolton; HT ♂ unique, BM genitalia slide no. 20925 ♂, BMNH.
Hudson 1928, p. 234, as synonym of *obliquana*.

cuneiferana Walker, 1866b, p. 1780 (*Teras*). Synonymised by Green & Dugdale (1983, p. 431).
[Auckland AK], D. Bolton; LT ♂ designated by Green & Dugdale, BMNH.
Hudson 1928, p. 234, as synonym of *obliquana*.

abjectana Walker, 1866b, p. 1781 (*Teras*?). Synonymised by Green & Dugdale (1983, p. 431).
[Auckland AK], D. Bolton; HT ♂ unique, BM genitalia slide no. 3185 ♂, BMNH.
Hudson 1928, p. 234, as synonym of *obliquana*.

contractana Walker, 1866b, p. 1782 (*Teras*). Synonymised by Green & Dugdale (1983, p. 431).
[Auckland AK], A. Sinclair; HT ♂ unique, BM genitalia slide no. 20924 ♂, BMNH.
Hudson 1928, p. 234, as synonym of *obliquana*.

Also 1 undescribed species (NZAC).

• ***Curvisacculus*** Dugdale, 1966b, p. 772. Type species *Tortrix encausta* Philpott, 1930, by original designation.

philpotti Dugdale, 1978, p. 443 (*Curvisacculus*). New name for *Tortrix encausta* Philpott, 1930, preoccupied by *Tortrix encausta* Meyrick (1907a, p. 735; Sri Lanka).

encausta Philpott, 1930b, pp. 6–7 (*Tortrix*)
Kaeo ND, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 433, not figured.

triorthota Meyrick, 1927a, p. 698 (*Epichorista*)
Wainuiomata WN, G.V. Hudson; HT ♂ unique, BM genitalia slide no. 10573, BMNH.
Hudson 1928, p. 239, pl. lii fig. 28, as *Epichorista triorthota*.

Also 1 new species (NZAC).

• ***Ecclitica*** Meyrick, 1923, p. 164. Type species *Dipterina hemiclista* Meyrick, 1905, by original designation.

hemiclista Meyrick, 1905, p. 233 (*Dipterina*)
Wellington WN, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 242, pl. xxvi fig. 14.

torogramma Meyrick, 1897b, pp. 388–389 (*Cacoecia*)

"New Zealand", G.V. Hudson; LT ♂ here designated, labelled "New Zealand GVH .95", "Tortrix torogramma Meyr. 4/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 228, pl. xxvi fig. 27, as *Tortrix torogramma.*
Note. Philpott (1928d, p. 447) transferred this species to *Ecclitica.*

• ***Epalxiphora*** Meyrick, 1881b, p. 648. Type species *E. axenana* Meyrick, 1881, by original monotypy.

axenana Meyrick, 1881b, p. 648 (*Epalxiphora*)
Wellington WN, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, pp. 233–234, pl. xxv fig. 44–53.
Note. The HT ♀ has the metathorax, hindwings, and abdomen of a ♂ glued expertly to it.

• ***Epichorista*** Meyrick, 1911c, p. 83. Type species *Proselena hemionana* Meyrick, 1882 (1883), by original designation. True *Epichorista.*

aspistana Meyrick, §1882c, p. 277; 1883b, p. 42 (*Proselena*)
[Porter's Pass, part of] Castle Hill MC, J.D. Enys; LT ♂ here designated, labelled "Castle Hill New Zealand JDE /82", "Epichorista aspistana Meyr. 4/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 237, pl. xxvi fig. 32.

hemionana Meyrick, §1882c, p. 277; 1883b, pp. 42 (key) and 43 (*Proselena*)
Lake Guyon MB/BR, R.W. Fereday; LT ♂ selected by J.D. Bradley and here designated, labelled "L. Guyon New Zealand RWF 3/82", "Epichorista hemionana Meyr. ♂ 1/3 E. Meyrick det. in Meyrick Coll.", "abdomen missing", BMNH.
Hudson 1928, p. 235, pl. xxvi fig. 33.

• ***Epichorista*** of authors. Species with a costal fold on the ♂ forewing.

allogama Meyrick, 1914a, p. 105 (*Harmologa*)
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH 24.12.12", "Epichorista allogama Meyr. 1/12 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 238, pl. xxvi fig. 20 and 21.

emphanes Meyrick, 1901, p. 571 (*Proselena*)
Mt Peel NN, [resting on snow, 5,400 ft], G.V. Hudson; HT ♀ unique, not in BMNH.
Hudson 1928, p. 238, pl. xxvi fig. 15, 30, and 31; 1939, p. 434.
Note. Meyrick (1911b, p. 73) gave a description of the ♂.

achrosta Meyrick, 1901, p. 572 (*Harmologa*). Synonymised by Meyrick (1923, p. 163).
Mt Arthur NN, 2,800 ft, G.V. Hudson; HT ♂ not in BMNH.
Hudson 1928, p. 238, as synonym.

epicura Meyrick, 1911c, p. 86 (*Harmologa*). Synonymised by Meyrick (1911b, p. 74).
Castle Hill MC, 3,000 ft, E. Meyrick; HT ♂ unique, BMNH.

theatralis Philpott, 1918, p. 128 (*Epichorista*). Synonymised by Philpott (1923, p. 150).
Mt Cleughearn FD, A. Philpott; ?HT ♀ unique, NZAC.
Hudson 1928, p. 238, as synonym.

candida Clarke, 1926, p. 419 (*Epichorista*). Synonymised by Hudson (1928, p. 238).
Hope Arm, Lake Manapouri FD, C.E. Clarke; HT ♀ unique, AMNZ.

Also 1 undescribed species (NZAC).

• ***Epichorista*** of authors. Species lacking a costal fold on the ♂ forewing.

abdita Philpott, 1924c, pp. 664–665, fig. 2D,E (*Epichorista*)
Mt Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 434, as synonym of *E. emphanes.*

crypsidora Meyrick, 1909a, p. 11 (*Dipterina*)
Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 239, pl. xxvi fig. 24 and 25, as *Epichorista crypsidora.*

carcharodes Meyrick, 1914a, p. 104 (*Epichorista*). Synonymised by Hudson (1928, p. 239).
Haeo ND, G. V. Hudson; HT ♂ unique, BMNH.

elephantina Meyrick, §1885b, p. 348; 1885g, p. 143 (*Proselena*)
Arthur's Pass NC/WD, 4,700 ft, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 237, pl. 1 fig. 16, as *Epichorista elephantina.*

eribola Meyrick, 1889b, p. 156 (*Proselena*)
Otira River WD, 1,500 ft, E. Meyrick; LT ♂ here designated, labelled "Otira River New Zealand 1500 ft 24.1.83", "Epichorista eribola Meyr. 2/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 238, pl. xlv fig. 13, as *Epichorista eribola.*

fraudulenta Philpott, 1928, p. 363 (*Eurythecta*)
Mt Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 434, as synonym of *Epichorista emphanes.*

lindsayi Philpott, 1928c, p. 181 (*Epichorista*)
Little River MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.

Hudson 1939, p. 435, pl. lvii fig. 26.

mimica Philpott, 1930b, p. 5 (*Epichorista*)
Mt Ida CO, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 435, pl. lvii fig. 5.

persecta Meyrick, 1914a, p. 104 (*Epichorista*)
Tisbury [Invercargill], SL, A. Philpott; LT ♂ selected by J.D. Bradley and here designated, labelled "Tisbury New Zealand AP 24.11.10", "Epichorista persecta Meyr. 3/1 Meyrick det. in Meyrick Coll.", "BM genitalia slide no. 10663 ♂", BMNH.
Hudson 1928, p. 237, pl. xlv fig. 20 and 21.

semicocta Meyrick, 1914a, p. 104 (*Epichorista*), as variety
Tisbury [Invercargill] SL, A. Philpott; HT ♂ labelled "Tisbury New Zealand AP 3.11.11", "Epichorista persecta Meyr. 3/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 237, pl. xxvi fig. 9, as variety.

siriana Meyrick, 1881a, pp. 521–522 (*Tortrix*)
Hamilton WO, E. Meyrick; LT ♂ selected by D.J. Carter and here designated, labelled "Hamilton New Zealand 18.1.80", "Epichorista siriana Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 23, pl. xxvi fig. 34, as *Epichorista siriana*, following Meyrick (1911c, p. 83).
Note. This species and "*Eurythecta*" *eremana* Meyrick (see below) are probably North Island and South Island forms respectively of the one species, as Hudson (1928, p. 237) suspected.

speciosa Philpott, 1927d, pp. 83–84 (*Epichorista*)
Arthur's Pass NC/WD, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 434, pl. lvii fig. 17.

tenebrosa Philpott, 1917b, pp. 243–244 (*Epichorista*)
Ben Lomond OL, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1928, p. 237, pl. xlviii fig. 10 and 11.

zatrophana Meyrick, §1882c, p. 277; 1883b, pp. 44 (key) and 46 (*Harmologa*)
Christchurch MC, E. Meyrick; HT ♀ unique, not in BMNH.
Hudson 1928, p. 238, pl. xlv fig. 16 (Arthur's Pass NC/WD specimen), as *Epichorista zatrophana.*
Note. The identity of the true *zatrophana* Meyrick is in doubt. The HT ♀ was collected at Christchurch on 19 March 1882 to light during a "fresh NW wind". Meyrick's subsequent redescription (1885g, p. 144), based on males from Arthur's Pass NC/WD, may relate to a different species, particularly as these were collected on 25 and 29 January 1883, at altitudes over 3,000 ft. [Information from Meyrick's Diary of Captures.]

• ***"Eurythecta"*** of authors, but not Meyrick (1883, p. 56, q.v.)

Species placed in this genus are small, usually slender tortricids characteristic of dense, damp swards.

curva Philpott, 1918, p. 127 (*Eurythecta*)
Hunter Mountains FD, 3500 ft, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 225, pl. xlv fig. 14.

eremana Meyrick, §1885b, p. 348; 1885g, p. 144 (*Proselena*)
Castle Hill MC, 2,000 ft, E. Meyrick; LT ♂ selected by K.R. Tuck and here designated, labelled "Castle Hill New Zealand 2000 ft 18/1/83", "Eurythecta eremana Meyr. 7/13 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 225, as *Eurythecta eremana*; notes similarity to *Epichorista siriana* (see above).

leucothrinca Meyrick, 1931b, p. 367 (*Eurythecta*)
Black Hill [Rakaia Valley] MC, S. Lindsay; HT ♂ unique, CMNZ.
Hudson 1939, p. 432, pl. lvi fig. 18.

loxias Meyrick, 1888d, p. 74 (*Proselena*)
Mt Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 4000 ft 15.1.86", "Eurthyecta loxias Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 225, pl. xxvi fig. 22, as *Eurythecta loxias.*

phaeoxyla Meyrick, 1938, p. 427 (*Eurythecta*)
Mount Torlesse MC, S. Lindsay; HT ♂ designated by Meyrick, CMNZ.
Hudson 1939, p. 432, pl. lvi fig. 8.

• ***Gelophaula*** Meyrick, 1923, p. 163. Type species *Harmologa trisulca* Meyrick, 1916, by original designation.

aenea Butler, 1877, p. 402 (*Teras*)
[Mt Torlesse MC], J.D. Enys; HT ♂ unique, BMNH.
Hudson 1928, p. 235, not figured; p. 236, pl. xxv fig. 13 and 14, as *Gelophaula siraea.*

aridella Clarke, 1934, p. 13 (*Gelophaula*)
Flat Top, Hunter Mountains FD, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1939, p. 434, pl. lvi fig. 23.

lychnophanes Meyrick, 1916b, p. 415 (*Harmologa*)
Mt Arthur NN, 4,500 ft, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 236, pl. xlviii fig. 13, as *Gelophaula lychnophanes.*

palliata Philpott, 1914, p. 120 (*Harmologa*)
Obelisk, Old Man Range CO, W.G. Howes; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 235, pl. xxv fig. 35, pl. xliv fig. 25, as *Gelophaula palliata.*

praecipitalis Meyrick, 1934, p. 152 (*Gelophaula*)
Mt Peel NN, Lawford White; LT ♂ here designated, labelled "Mt Peel 26/3/32", "Gelophaula praecipitalis Meyr." (in S. Lindsay's handwriting), CMNZ.
Hudson 1939, p. 434, pl. lxi fig. 16.

siraea Meyrick, §1885b, p. 348; 1885g, pp. 145–146 (*Harmologa*)
Arthur's Pass NC/WD, E. Meyrick; LT ♂ here designated, labelled "Arthurs Pass New Zealand 29.i.1883 1676", "Harmologa siriana Meyr. named by Meyrick", "Walsingham Collection 1910–427", BMNH.
Hudson 1928, p. 236, pl. xlix fig. 29, as *Gelophaula brevicula.*
Note. Meyrick appears to have given some of his 1883 material to Walsingham, and as the specimen labels agree with Meyrick's Diary of Captures I have no hesitation in making the Walsingham ♂ the LT.

brevicula Meyrick, 1921, p. 334 (*Harmologa*). **New synonymy.**
Arthur's Pass NC/WD, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 236, pl. xlix fig. 30, as species.

tributaria Philpott, 1913, pp. 77–78 (*Harmologa*)
Obelisk, Old Man Range CO, W.G. Howes; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 236, pl. xxv fig. 34, as *Gelophaula tributaria.*

trisulca Meyrick, 1916b, p. 414 (*Harmologa*)
Arthur's Pass NC/WD, G.V. Hudson; LT ♂ here designated, labelled "Arthurs Pass New Zealand GVH 3500′ 12.14", "Gelophaula trisulca Meyr. 1/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 235, pl. xxv fig. 15 and 16.

vana Philpott, 1928g, p. 487 (*Gelophaula*)
Mt Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 434, not figured.

Also 5 undescribed species (NZAC).

• ***Harmologa*** Meyrick, §1882c, p. 277; 1883b, pp. 36 (key) and 44. Type species *Teras oblongana* Walker, 1863, by subsequent designation (Fernald 1908, p. 44).

Trachybathra Meyrick, 1907c, p. 113. Type species *Trachybathra scoliastis* Meyrick, 1907. Synonymised by Meyrick (1911c, p. 85).

amplexana Zeller, 1875, p. 222 (*Idiographis*?)
[exact provenance unknown], New Zealand; LT ♂ selected by D.J. Carter and here designated, labelled "Tortrix Idiographis amplexana Z., N. Seeland l.w", "TORTRIX (IDIOGRAPHIS) AMPLEXANA Zeller Ver. Z-B. Ges. Wien xxv: 222–3, pl. viii: 2 Named by Zeller, Type ♂", BMNH.
Hudson 1928, p. 239, pl. xxiv fig. 2 and 3, as *Harmologa amplexana.*

vilis Butler, 1877, p. 42, pl. 45 fig. 15 (*Cacoecia*). Synonymised by Meyrick (1881a, p. 494).
[mid Canterbury MC], J.D. Enys; HT ♂ designated by Butler, BMNH.
Hudson 1928, p. 239, as synonym.

columella Meyrick, 1927a, p. 699 (*Harmologa*)
Arthur's Pass NC/WD, Stella Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 241, pl. lii fig. 4.

festiva Philpott, 1915, p. 199 (*Harmologa*)
Mt Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 240, pl. xxvii fig. 21.

oblongana Walker, 1863c, p. 303 (*Teras*)
[Nelson NN], T.R. Oxley; HT ♀ unique, BM genitalia slide no. 5753, BMNH.
Hudson 1928, p. 239, pl. xxvi fig. 16, as *Harmologa oblongana.*

inaptana Walker, 1863c, p. 304 (*Teras*). Synonymised by Meyrick (1881a, p. 489).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1928, p. 239, as synonym.

cuneigera Butler, 1880, p. 559 (*Teras*). Synonymised by Meyrick (1883b, p. 45).
[Blenheim MB], W. Skellon; HT ♀ unique, BM genitalia slide no. 10599, BMNH.
Hudson 1928, p. 239, as synonym.

indomita Philpott, 1930b, p. 6 (*Tortrix*). **New synonymy.**
Dunedin DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 432, pl. lvii fig. 1, as species.
Note. Examination of the genitalia showed no differences between *indomita* and *oblongana*; the ♂ genitalia are characteristic (see Philpott 1928, pp. 446 and 456, fig. 12).

petrias Meyrick, 1901, p. 572 (*Harmologa*)
Invercargill SL, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 243, pl. xxvii fig. 5, as *Cnephasia petrias.*
Note. Philpott (1928d, p. 446) transferred *petrias* back to *Harmologa* on ♂ genital characters.

pontifica Meyrick, 1911b, p. 74 (*Harmologa*)
Mt Arthur NN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 240, pl. xxv fig. 32.

reticularis Philpott, 1915, pp. 199–200 (*Harmologa*)
Longwood Range SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 241, pl. xxvii fig. 8.

sanguinea Philpott, 1915, p. 199 (*Harmologa*)
Mt Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 241–242, pl. xxvii fig. 14.

scoliastis Meyrick, 1907c, p. 113 (*Trachybathra*)
Lake Wakatipu OL, G.V. Hudson; HT ♂ unique, head missing, BMNH.
Hudson 1928, p. 240, pl. xxiv fig. 4.

sisyrana Meyrick, §1882c, p. 277; 1883b, p. 44 (*Harmologa*)
[Kaiapoi MC, sandhills], E. Meyrick; LT ♂ selected by D.J. Carter and here designated, labelled "Christchurch New Zealand 31.3.82", "Harmologa sisyrana Meyr. 3/1 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 240, pl. xxvi fig. 17.

antitypa Meyrick, 1914a, p. 105 (*Harmologa*)
Wellington WN, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 240, as synonym of *sisyrana*.

speciosa Philpott, 1927d, pp. 83–84 (*Epichorista*) **new combination**
Arthur's Pass NC/WD, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 434, pl. lvii fig. 17.

toroterma Hudson, 1925, p. 221 (*Harmologa*)
Mount Ida CO, C.E. Clarke; HT ♂ unique, NMNZ.
Hudson 1928, p. 241, pl. lii fig. 23.

Also 2 undescribed species (NZAC).

• ***Ochetarcha*** Meyrick, 1924b, p. 661. Type species *Olindia miraculosa* Meyrick, 1917a, by original designation.

miraculosa Meyrick, 1917a, p. 246 (*Olindia*)
Wainuiomata WN, Stella Hudson; HT ♀ unique, genitalia mounted with specimen, BMNH.
Hudson 1928, p. 244, pl. xxv fig. 33, pl. xlv fig. 9.
Note. *Paedisca mahiana* Felder, 1875, pl. cxxxvii fig. 40, thought by Meyrick to be a possible synonym, was examined by me and is a senior synonym of *Episimus encaustica* Meyrick, 1922a, p. 518 (Olethreutinae; Brazil). Dugdale (1966b, p. 766) wrongly placed *Ochetarcha* in Cnephasiini; on genitalia and external characters it closely resembles *Terricula* Falkovitsh, 1965, p. 418, from Japan and Ussuri.

• ***Philocryptica*** Meyrick, 1923, p. 164. Type species *Harmologa polypodii* Watt, 1921b, by monotypy.

polypodii Watt, 1921b, pp. 257–258 (*Harmologa*)
Wellington WN, M.N. Watt; LT ♂ here designated, labelled "Wellington 11/11/19," NMNZ.
Hudson 1928, p. 241, pl. xlix fig. 33.

• ***Planotortrix*** Dugdale, 1966, p. 392. Type species *Teras excessana* Walker, 1863, by original designation.

clarkei Philpott, 1930b, pp. 5–6 (*Tortrix*)
Waimarino TO, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, pp. 432–433, pl. lvii fig. 2.

conditana Walker, 1863c, p. 306 (*Teras*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BM genitalia slide no. 3186 ♂, BMNH.
Hudson 1928, p. 229, pl. xxiv fig. 42–44.

astrologana Meyrick, 1889b, p. 156 (*Cacoecia*). Synonymised by Meyrick (1911, p. 84).
Wellington WN, G.V. Hudson; LT ♂ selected by J.D. Bradley, 1963, and designated by Dugdale (1966, p. 396), BM genitalia slide no. 2328 ♂, BMNH.
Hudson 1928, p. 229, as synonym.
Note. Examination of the type material, particlarly ♂ genitalia, leads me to restrict the *conditana* synonymy as above.

coprosmae Dugdale, **new species** (proposed here) for *charactana* of authors, but not Meyrick (1881, p. 492) (*Tortrix*)
[Riccarton Bush] MC, E. Meyrick; HT ♂ selected as NT by J.D. Bradley, 1962, labelled "Christchurch New Zealand 18/4/82", "Tortrix charactana Meyr. 1/12 E. Meyrick det. in Meyrick Coll.", BM genitalia slide no. 8914 ♂, BMNH.
Hudson 1928, p. 227, pl. xxiv fig. 33–35, as *Tortrix charactana*.
Note. The long-mislaid HT of *Cacoecia charactana* Meyrick has been found, and is identical with *Ctenopseustis obliquana* (p. 121). The *Coprosma*-feeding species is well represented in most collections (invariably under the name *charactana*), and has been described (Meyrick 1883, p. 50; Hudson 1928, p. 227; Philpott 1929, pp. 450–451, fig. 60 (p. 465) ♂ genitalia). I have honoured Dr J.D. Bradley's hard work on my behalf, and the hospitality of BMNH, by using his NT as the HT for *coprosmae*. Although this species lacks a costal fold on the ♂ forewing, it is placed in *Planotortrix* on genital and habitus characters.

excessana Walker, 1863c, p. 303 (*Teras*)
[Nelson NN], T.R. Oxley; LT ♂ selected by J.D. Bradley, 1962, and designated by Dugdale (1966a, p. 396), BMNH.
Hudson 1928, p. 230, pl. xxiv fig. 5, 6, and 27–30.

biguttana Walker, 1863c, p. 305 (*Teras*). Synonymised by Meyrick (1883b, p. 48).
[Nelson NN], T.R. Oxley; LT ♂ selected by J.D. Bradley, 1962, and designated by Dugdale (1966a, p. 396), BMNH.
Hudson 1928, p. 230, as synonym.
Note. Studies of cross-attraction show that *P. excessana* of authors embraces two species (Galbreath 1985, Foster *et al.* 1986). Both LT *excessana* and LT *biguttana* fall within the range of costal fold / forewing length ratios characteristic of laboratory colonies of "*P. excessana* Type B", but not "Type A", of Foster *et al.* (1986, p. 156, table).

fastigata Philpott, 1916, p. 422 (*Tortrix*) **new combination**

Mt Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 231, pl. xliv fig. 26 and 27.

ascomorpha Meyrick, 1934, p. 153 (*Tortrix*). **New synonymy.**
Arthur's Pass NC/WD, S. Lindsay; LT ♀ designated by Dugdale (1966a, p. 396), CMNZ.
Hudson 1939, p. 433, pl. lvii fig. 19, as species.
Note. Material collected by Mr B. Patrick from Longwood Range SL clearly necessitates the above synonymy.

flammea Salmon, 1956, p. 575 (*Bactra*)
Homer Forks FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Salmon 1956, pl. 22 fig. 2 and 3.

flavescens Butler, 1877, p. 402 (*Teras*). **New combination.**
?Dunedin DN, J. Hector; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 231, pl. xxv fig. 1 and 2, as *Tortrix flavescens.*

acrocausta Meyrick, 1907c, p. 115 (*Cacoecia*). Synonymised by Hudson (1928, p. 231).
[Riccarton Bush], Christchurch MC, E. Meyrick; LT ♂ selected by J.D. Bradley and here designated, labelled "Christchurch New Zealand 22/9/82", "BM genitalia slide no. 8604 ♂", BMNH.

inusitata Philpott, 1919, p. 225 (*Tortrix*). **New synonymy.**
Waitati DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1928, pp. 232–233, pl. xlviii fig. 28.
Note. Philpott (1928d, p. 451) noted that the ♂ genitalia of *inusitata* and *flavescens* agree "almost exactly", but because of the "small number of [*inusitata*] ... it is not thought advisable to unite the species at this juncture". Examination of large series reared by the Forest Biology Survey, Forest Research Institute, Rotorua, showed the synonymy to be valid.

notophaea Turner, 1926, p. 135 (*Tortrix*)
Epping N.S.W., Australia; HT ♂ unique, transferred from ANIC to NZAC.
Hudson 1928, pl. xxiv fig. 6, as *Tortrix excessana.*

distincta Salmon, 1948, p. 310 (*Ctenopseustis obliquana* subspecies). Synonymised by Dugdale (1966, p. 397).
Great Island, Three Kings Islands; HT ♂ designated by Salmon, AMNZ.

orthocopa Meyrick, 1924b, p. 661 (*Tortrix*)
Wellington WN, G.V. Hudson; LT ♂ selected by J.D. Bradley, 1963, and designated by Dugdale (1966, p. 397), abdomen missing, BMNH.
Hudson 1928, p. 229, pl. xxiv fig. 1.

orthropis Meyrick, 1901, p. 573 (*Cacoecia*)
Dunedin DN, [reserved bush and forest], E. Meyrick; LT ♂ selected by J.D. Bradley, 1962, and designated by Dugdale (1966a, p. 397), BM genitalia slide no. 8924 ♂, BMNH.
Hudson 1928, p. 228, pl. xxiv fig. 11, 31, and 32.

pictoriana Felder & Rogenhofer, 1875, pl. cxxxvi fig. 55 (*Grapholitha*)
[Nelson NN, T.R. Oxley, 1864]; HT ♂ unique, BM genitalia slide no. 8913 ♂, BMNH.
Hudson 1928, p. 226, pl. xxiv fig. 47 and 48, as *Tortrix pictoriana.*
Note. Meyrick (1913e, p. 39) lists this species under *Eulia.* Horak (1984) treated it as a *Planotortrix.*

spatiosa Philpott, 1923, pp. 150–151 (*Tortrix*)
Dun Mountain NN/MB, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1928, p. 229, pl. xlix fig. 5.
Note. Dugdale (1966, p. 397) erroneously reversed the HT and AT designations of Philpott.

syntona syntona Meyrick, 1909b, pp. 73–74 (*Cacoecia*, as species)
[Port Ross], Auckland Islands, J.S. Tennant; HT ♂ unique, BM genitalia slide no. 3104 ♂, BMNH.
Hudson 1928, p. 229, pl. xxiv fig. 46 (♂, not ♀), as species.

syntona laqueorum Dugdale, 1971b, p. 162 (*Planotortrix*, as subspecies). **Amended name.**
The Snares islands, P.M. Johns; HT ♂ designated by Dugdale, NZAC.
Note. The epithet "*laquaeorum*" is inadmissible, and is here amended to the correct spelling, '*laqueorum*'.

taipana Felder & Rogenhofer, 1875, pl. cxxxvii fig. 46 (*Tortrix*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, BM genitalia slide no. 10662 ♂, BMNH.
Not mentioned by Hudson.

enoplana Meyrick, §1882c, p. 277; 1883b, pp. 44 (key) and 49–60 *Cacoecia.* Synonymised by Meyrick (1911, p. 84).
Wellington WN, R.W. Fereday; HT ♂ unique, BM genitalia slide no. 8927 ♂, BMNH.
Hudson 1928, p. 229, as synonym of *Tortrix conditana.*
Note. Male genital characters separate these 2 type specimens from those of *conditana* and *astrologana.*

tigris Philpott, 1914, p. 120 (*Tortrix*)
Tisbury, [Invercargill] SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 229, pl. xlv fig. 9.

Also 4 undescribed species (NZAC).

• ***Pyrgotis*** Meyrick, 1881a, p. 439, in the sense of Dugdale (1971b, p. 164). Type species *Conchylis plagiatana* Walker, by subsequent designation (Fernald 1908, p. 42); not *Pyrgotis insignana* Meyrick, 1881a, p. 440 (Australia), designated by Meyrick (1913e, p. 8).

arcuata Philpott, 1915, p. 198 (*Capua*)
Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 223, pl. xlv fig. 27, as *Capua arcuata*; Dugdale 1971b, p. 165, as *Pyrgotis arcuata.*

calligypsa Meyrick, 1926b, p. 415 (*Catamacta*)
Wellington WN, G.V. Hudson; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 221, pl. lii fig. 25, as *Catamacta calligypsa.*

variegata Philpott, 1930b, pp. 4–5 (*Capua*). **New synonymy.**
Wairakei TO, C.E. Clarke; HT ♂ designated by Philpott, left forewing missing, AMNZ.
Hudson 1939, p. 431, pl. lvii fig. 3, as *Capua variegata.*
Note. Reared material yielded males and females indistinguishable from the 2 type specimens.

chrysomela Meyrick, 1914a, p. 103 (*Catamacta*)
Kaeo ND, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 221, pl. xxvii fig. 24, as *Catamacta chrysomela*; Dugdale 1971b, p. 165, as *Pyrgotis chrysomela.*

consentiens Philpott, 1916, p. 421 (*Pyrgotis*)
Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 219–220, pl. xlv fig. 10.
Note. *Pyrgotis consentiens* and *P. humilis* (see below) may well be allopatric populations of a single species. They have the same host plant, and the genitalia are very similar.

eudorana Meyrick, §1885b, p. 348; 1885g, p. 143 (*Pyrgotis*)
[New Plymouth], "Taranaki" TK, E. Meyrick; HT ♀ unique, BM genitalia slide no. 8527, BMNH.
Hudson 1928, p. 219, pl. xxii fig. 31.
Note. Meyrick (1911b, p. 62) described the ♂.

humilis Philpott, 1930b, p. 4 (*Pyrgotis*)
Mount Maungatua DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 431, not figured.

plagiatana Walker, 1863c, p. 370 (*Conchylis*)
[Nelson NN], T.R. Oxley; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 222, pl. xxiv fig. 13–19 and 45, as *Capua plagiatana*; Dugdale 1971b, p. 166, as *Pyrgotis plagiatana.*

recusana Walker, 1863c, p. 371 (*Conchylis*). Synonymised by Meyrick (1881a, p. 441).
[Auckland AK], D. Bolton; HT ♂ unique, BM genitalia slide no. 8516, BMNH.
Hudson 1928, p. 222, as synonym.

luciplagana Walker, 1863c, p. 381 (*Paedisca*). Synonymised by Meyrick (1881a, p. 441).
[Nelson NN], T.R. Oxley; HT ♀ unique, BM genitalia slide no. 7809, BMNH.
Hudson 1928, p. 222, as synonym.

punana Felder & Rogenhofer, 1875, pl. cxxxvii fig. 43 (*Grapholitha*). Synonymised by Meyrick (1881a, p. 441).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 222, as synonym.

xylinana Felder & Rogenhofer, 1875, pl. cxxxvii fig. 44 (*Grapholitha*). Synonymised by Meyrick (1881a, p. 441).
[Nelson NN, T.R. Oxley]; HT ♀ unique, abdomen missing, remains of an abdomen glued on, BMNH.
Hudson 1928, p. 222, as synonym.

trichroa Meyrick, 1901, p. 578 (*Catamacta*). Synonymised by Dugdale (1971, p. 166).
Whangarei [Heads] ND, E. Meyrick; HT ♀ unique, BM genitalia slide no. 10553, BMNH.
Hudson 1928, p. 222, as synonym.

tornota Meyrick, 1907c, p. 114 (*Pyrgotis*). Synonymised by Meyrick (1914a, p. 104).
Invercargill SL, A. Philpott; HT ♀ unique, BM genitalia slide no. 8528, BMNH.

parallela Salmon & Bradley, 1956, p. 72 (*Epagoge*). Synonymised by Dugdale (1971, p. 166).
?Auckland Island, J.H. Sorensen; HT ♀ designated by Salmon & Bradley, NMNZ.
Note. There was room for error in the labelling of Cape Expedition material (R.G. Ordish, pers. comm.); see *Scoparia albafascicula* and *Xanthorhoe subantarctica* for other examples.

plinthoglypta Meyrick, 1892, p. 218 (*Pyrgotis*)
Wellington WN, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 223, pl. xxvi fig. 4, as *Capua plinthoglypta.*

pyramidias Meyrick, 1901, p. 571 (*Pyrgotis*)
Invercargill SL, A. Philpott; HT ♂ unique, BM genitalia slide no. 8514, BMNH.
Hudson 1928, p. 219, pl. xxiv fig. 12.
Note. The HT is small and drab, and may represent the entity browsing on *Cyathodes (Styphelia)* rather than that on *Nothofagus*. The degree of interaction between these 'forms' is not known.

transfixa Meyrick, 1924a, p. 203 (*Catamacta*)
Wellington WN, G.V. Hudson; HT ♂ unique, BM genitalia slide no. 8520, BMNH.
Hudson 1928, p. 221, pl. l fig. 5, as *Catamacta transfixa*; Dugdale 1971b, p. 165, as *Pyrgotis transfixa.*

zygiana Meyrick, §1882c, p. 277; 1883b, p. 39 (*Pyrgotis*)
[Riccarton Bush], Christchurch MC, E. Meyrick; HT ♂ unique, BM genitalia slide no. 8521 ♂, BMNH.
Hudson 1928, p. 222, not figured, as *Capua zygiana*; Dugdale 1971b, p. 165, as *Pyrgotis zygiana.*

Also 2 undescribed species (NZAC; B. Patrick Collection, Dunedin).

• ***Sorensenata*** Salmon & Bradley, 1956, p. 73. Type species *Sorensenata agilitata* Salmon & Bradley, by original designation.

agilitata Salmon & Bradley, 1956, p. 73 (*Sorensenta*)
Campbell Island, J.H. Sorensen; HT ♂ designated by Salmon and Bradley, NMNZ.

• ***Sperchia*** Walker, 1869, p. 83. Type species *Sperchia intractana* Walker, by original monotypy.

intractana Walker, 1869, p. 83 (*Sperchia*)
Melbourne Vic., Australia; type specimen in NMVA.
New Zealand: adventive, first recorded by Philpott (1924c, p. 664) in 1923.
Hudson 1928, pp. 223–224, pl. li fig. 24, as *Capua intractana.*

• ***Tortrix*** of authors, e.g., Meyrick (1912e, 1913e), but not in the sense of Obraztsov (1955, p. 181).

antichroa Meyrick, 1919, p. 351 (*Tortrix*)
Mount Egmont TK, G.V. Hudson; HT ♂ unique, BM genitalia slide no. 2320 ♂, BMNH.
Hudson 1928, p. 232, pl. xlvii fig. 1.

demiana Meyrick, §1882c, p. 277; 1883b, pp. 50 (key) and 51 (*Tortrix*)
Rakaia MC, W.H. Gaze; HT ♂ unique, BM genitalia slide no. 8611 ♂, BMNH.
Hudson 1928, pp. 226–227, pl. xxiv fig. 37.

fervida Meyrick, 1901, pp. 572—573 (*Cacoecia*)
Kaitoke WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 231, pl. xxvi fig. 1 and 2, as *Tortrix fervida.*

incendiaria Meyrick, 1923, p. 164 (*Ecclitica*)
Mt Egmont TK, 4,000 ft, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 242, pl. xlix fig. 32, as *Ecclitica incendiaria.*
Note. Philpott (1928, p. 447) removed this species to *Tortrix.*

molybditis Meyrick, 1907c, pp. 115–116 (*Tortrix*)
Wellington WN, G.V. Hudson; HT ♂ unique, BM genitalia slide no. 8579 ♂, BMNH.
Hudson 1928, pp. 231–232, pl. xxvi fig. 3.

sphenias Meyrick, 1909, p. 11 (*Cacoecia*)
Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, p. 231, pl. xlv fig. 28, as *Tortrix sphenias.*

zestodes Meyrick, 1924a, p. 203 (*Tortrix*)
Flora [Hut], Mount Arthur NN, Stella Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 232, pl. l fig. 20.

Tribe Schoenotenini
(in the sense of Common 1965b, p. 656)

• ***Dipterina*** Meyrick, 1881, p. 527. Type species *Dipterina imbriferana* Meyrick, by subsequent designation (Walsingham 1907, p. 697).

imbriferana Meyrick, 1881a, pp. 527–528 (*Dipterina*)
Wellington WN, E. Meyrick; LT ♂ selected by J.D. Bradley, labelled "Wellington New Zealand 1.1.80", "BM genitalia slide no. 10572 ♂", "Cnephasia imbriferana Meyr. 7/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 243–244, pl. iii fig. 2 (larva), pl. xxvi fig. 40–42, as *Cnephasia imbriferana.*

• ***Maoritenes*** Dugdale, 1966b, p. 761. Type species *Epagoge cyclobathra* Meyrick, 1907, by original designation.

cyclobathra Meyrick, 1907c, p. 114 (*Epagoge*)
Invercargill SL, A. Philpott; LT ♂ selected by J.D. Bradley, labelled "Invercargill New Zealand AP .06", "Capua cyclobathra Meyr. 2/4 E. Meyrick det. in Meyrick Coll.", "BM genitalia slide no. 8572 ♂", BMNH.
Hudson 1928, p. 222, pl. xxvi fig. 28, as *Capua cyclobathra.*

modesta Philpott, 1930b, p.4 (*Pyrgotis*)
Waiho Gorge WD, C.E. Clarke; HT ♂ unique, AMNZ.
Hudson 1939, p. 431, pl. lvii fig. 4, as *Pyrgotis modesta.*

• ***Prothelymna*** Meyrick, §1882c, pp. 277–278; 1883b, pp. 36 (key) and 57. Type species *P. nephelotana* Meyrick, 1882 (= *Teras antiquana* Walker), by original designation.

antiquana Walker, 1863c, p. 397 (*Teras*)
[Auckland AK], D. Bolton; LT ♀ selected by J.D. Bradley, labelled "Teras antiquana Wlkr Cat. Lep. Het. BM 28 p.307 (1863) Type ♀", "New Zeal. // 54.4", "abdomen missing", BMNH.
Hudson 1928, p. 21, pl. xlv fig. 29, as *Proselena antiquana.*

maoriana Walker, 1863c, p. 308 (*Teras*). Synonymised by Meyrick (1911c, p. 80).
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 219, as synonym.
Note. HT represented by right forewing, hindwing, and a scrap of thorax.

fusiferana Walker, 1863c, p. 355 (*Sciaphila*). Synonymised by Meyrick (1911c, p. 80).

[Auckland AK], D. Bolton; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 219, as synonym.

spoliatana Walker, 1863c, p. 356 (*Sciaphila*). Synonymised by Meyrick (1911c, p. 80).
[Auckland AK], D. Bolton; LT ♂ here designated, labelled "New Zeal. // 54.4", "BM genitalia slide no. 10552 ♂", BMNH.
Hudson 1928, p. 219, as synonym.

vetustana Walker, 1863c, p. 358 (*Olindia*). Synonymised by Meyrick (1911c, p. 80).
[Auckland AK], D. Bolton; HT ♀ unique, abdomen and genitalia on BM genitalia slide no. 10551, specimen unspread, BMNH.
Hudson 1928, p. 218, as synonym.

morosana Walker, 1863c, p. 382 (*Paedisca*). Synonymised by Meyrick (1911c, p. 80).
[Auckland AK], D. Bolton; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 219, as synonymn.

accensa Walker, 1864b, p. 983 (*Teras*). Synonymised by Meyrick (1911c, p. 80).
[Auckland AK], D. Bolton; HT ♂ unique, abdomen and genitalia on BM genitalia slide no. 10576, BMNH.
Hudson 1928, p. 219, as synonym.

nephelotana Meyrick, §1882c, p. 278; 1883b, p. 57 (*Prothelymna*). Synonymised by Meyrick (1911c, p. 80).
[Lyttelton], Christchurch MC, E. Meyrick; HT ♂ unique, abdomen and genitalia on BM genitalia slide no. 3326, BMNH.
Hudson 1928, p. 219, as synonym.

niphostrota Meyrick, 1907c, pp. 112–117 (*Proselena*)
Invercargill SL, A. Philpott; HT ♂ unique, abdomen and genitalia on BM genitalia slide no. 10578, BMNH.
Hudson 1928, p. 219, pl. xxxiii fig. 14, as *Proselena niphostrota*.

Tribe Tortricini
(in the sense of Obraztsov 1955, p. 178)

• ***Acleris*** Hübner, 1825, p. 384. Type species [*Tortrix*] *aspersana* Hübner, 1817, by subsequent designation (Fernald 1908, pp. 12 and 55).

comariana Lienig & Zeller, 1846, p. 263 (*Acleris*)
Palearctic.
New Zealand: various localities in BR, swampy paddocks in high-rainfall districts (NZAC).

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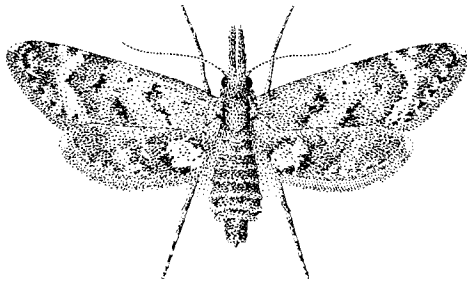
Superfamily COPROMORPHOIDEA
(in the sense of Minet 1983)
Family COPROMORPHIDAE



Copromorphidae
(166) *Isonomeutis amauropa* Meyrick

Note. Philpott (1928b, pp. 371–374) describes and illustrates morphological characters of the two genera.

• ***Isonomeutis*** Meyrick, 1888d, p. 75. Type species *Isonomeutis amauropa* Meyrick, by original monotypy.

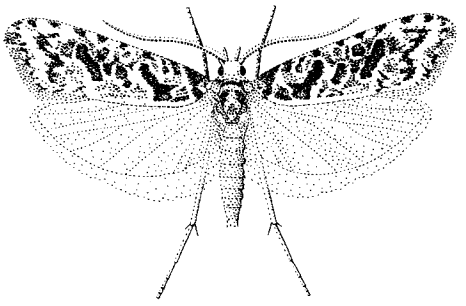
amauropa Meyrick, 1888d, pp. 75–76 (*Isonomeutis*)
[Mount Manaia], Whangarei ND, E. Meyrick; HT ♂ unique (?; see note), BMNH.
Hudson 1928, p. 297, pl. xlv fig. 22 and 23; 1939, pl. lix fig. 24, as *I. restincta*.
Note. In his Diary of Captures for 21 December 1885 Meyrick notes "Ison. amauropa, 4 from tree trunk".

restincta Meyrick, 1923, p. 166 (*Isonomeutis*)
[Kaeo ND], "Auckland", G.V. Hudson; HT ♂ unique, abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 297, pl. xlix fig. 13.

• ***Phycomorpha*** Meyrick, 1914a, p. 106. Type species *Phycomorpha metachrysa* Meyrick, 1914, by original designation.

metachrysa Meyrick, 1914a, pp. 106–107 (*Phycomorpha*)
Dunedin DN, [W.G. Howes] A. Philpott; LT ♂ here designated, labelled "Dunedin AP 1.11.09", "Phycomorpha metachrysa Meyr. 2/2 E. Meyrick det. in Meyrick Coll.", abdomen missing, BMNH.
Hudson 1928, p. 296, pl. xxvi fig. 43.
Note. No specimens in collections have any green colour remaining, in contrast to *P. bryophylla* Meyrick from Samoa.

Family CARPOSINIDAE



Carposinidae
(167) *Heterocrossa eriphylla* (Meyrick)

• ***Campbellana*** Salmon & Bradley, 1956, p. 68. Type species *Cambellana attenuata* Salmon & Bradley, by original designation.
Note. Salmon & Bradley originally placed this genus in Yponomeutidae, but it was later shown to be a carposinid (Dugdale 1971b, pp. 73–75).

attenuata Salmon & Bradley, 1956, p. 69 (*Campbellana*)
Campbell Island, J.H. Sorensen; HT ♂ designated by Salmon & Bradley, NMNZ.

• ***Glaphyrarcha*** Meyrick, 1938, pp. 428–429. Type species *Glaphyrarcha euthrepta* Meyrick, by original monotypy.

euthrepta Meyrick, 1938, p. 429 (*Glaphyrarcha*)
Arthur's Pass NC/WD, "Mr Scott"; HT ♀ unique, CMNZ.
Hudson 1939, p. 455, pl. lxi fig. 19.

• ***Heterocrossa*** Meyrick, 1882b, p. 178. Type species *Heterocrossa rubophaga* Dugdale (q.v.).
Note. Zimmerman (1978, p. 797) removed *Heterocrossa* from synonymy with *Carposina* Herrich-Schaeffer.

adreptella Walker, 1864a, p. 654 (*Gelechia*)
[Auckland AK], D. Bolton; HT ♂ unique, BM genitalia slide no. 1852 ♂, head missing, BMNH.
Hudson 1928, p. 217, as *Carposina adreptella.*

charaxias Meyrick, 1981, p. 98 (*Heterocrossa*). **New synonymy.**
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Wellington New Zealand GVH /90", "Carposina charaxias Meyr. 3/11 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 217, pl. xxii fig. 20, as *Carposina charaxias.*
Note. Meyrick misinterpreted Walker's type material (see *H. rubophaga*, below). The type specimens of *adreptella* and *charaxias* are the only ones with broad, yellowish scales on the hindwing anal area, and the ♂ genitalia of *charaxias* – figured by Philpott (1928f, p. 478, fig. 4) from a Wellington WN specimen sent by Hudson (no. 114p) – agree well with the BMNH genitalia preparation from the *adreptella* HT (cf. *adreptella* of authors – Philpott 1928f, p. 480, fig. 9).

canescens Philpott, 1930c, p. 437 (*Carposina*)
[Governor's Bush], Mount Cook MK, A. Philpott; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 455, pl. lx fig. 4.

contactella Walker, 1866b, pp. 1813–1814 (*Tinea*)
[Nelson NN], T.R. Oxley, 1860; LT ♀ [HT] here designated, labelled "Tinea contactella" (cut-out strip from Walker's publication), "Tinea contactella Wkr TYPE ♂", "Auckland N. Zeal. 60.73" (circular), BMNH.
Hudson 1928, p. 215, possibly pl. xxii fig. 21.

amalodes Meyrick, 1911b, pp. 61–62 (*Carposina*). **New synonymy.**
Otira River WD, G.V. Hudson; LT ♀ here designated, labelled "Otira New Zealand GVH 12.08", "Carposina amalodes Meyr. 1/3 E. Meyrick det. in Meyrick Coll.", abdomen missing, BMNH.
Hudson 1928, p. 216, not figured.
Note. The forewing patterns of the two type specimens are almost identical, *amalodes* having more pronounced yellow patches. The PLT ♀ also lacks the abdomen.

cryodana Meyrick, §1885b, p. 349; 1885g, pp. 148–149 (*Heterocrossa*)
Dunedin DN, E. Meyrick; LT ♂ here designated, labelled "Dunedin New Zealand 27/9/82", "Carposina cryodana Meyr. 2/3 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 217, pl. xxii fig. 19 (LT browner, and lacking the median stripe).
Note. Meyrick's Diary of Captures does not mention 27 September 1882, but notes for 28 September "H. cryodana 2".

epomiana Meyrick, §1885b, p. 349; 1885g, p. 149 (*Heterocrossa*)
Otira [Gorge, 1,600 ft] WD, E. Meyrick; HT ♀ unique, BM genitalia slide no. 3693 ♀, BMNH.
Hudson 1928, p. 217, as synonym of *Carposina gonosemana.*
Note. See also *philpotti hudsoni*, below.

eriphylla Meyrick, 1888d, p. 76 (*Heterocrossa*)
Wellington WN, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 217, pl. xxiv fig. 52.

exochana Meyrick, 1888d, p. 76 (*Heterocrossa*)
Nelson NN, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, p. 217, pl. xxiv fig. 7.

gonosemana Meyrick, 1882b, pp. 179–180 (*Heterocrossa*)
Dunedin DN, R.W. Fereday; LT ♂ here designated, labelled "Dunedin New Zealand RWF 21.2.79", "Carposina gonosemana Meyr. 4/7 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 217–218 (in part), pl. xxii fig. 23 doubtful, as *Carposina gonosemana.*
Note. The ♂ collected by Fereday is the only remaining ST.

ignobilis Philpott, 1930c, p. 438 (*Carposina*) **new combination**
[Governor's Bush], Mount Cook MK, A. Philpott; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 455, not figured, as *Carposina ignobilis.*

iophaea Meyrick, 1907c, p. 117 (*Heterocrossa*)
Invercargill SL, A. Philpott; LT ♀ here designated, labelled "Invercargill New Zealand AP. 06", "Carposina iophaea Meyr. 1/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 216, pl. xxii fig. 24, as *Carposina iophaea.*

thalamota Meyrick, 1909a, p. 12 (*Heterocrossa*). **New synonymy.**
Invercargill SL, A. Philpott; LT ♀ here designated, labelled "Invercargill New Zealand AP 1.07", "Carposina thalamota Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 216, pl. xxii fig. 25 and 26, as *Carposina thalamota.*
Note. No consistent external differences were observed between the 2 type specimens, nor between the specimens in Meyrick's or Philpott's collections, nor the NZAC series from the type locality.

literata Philpott, 1930b, p. 11 (*Carposina*) **new combination**
Defiance Hut, [Mount Moltke], Franz Josef Glacier WD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 454, pl. lix fig. 22.

maculosa Philpott, 1927a, pp. 705–706 (*Carposina*) **new combination**
Cooper's Knob, Banks Peninsula MC, S. Lindsay; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 218, pl. xxvii fig. 28.

morbida Meyrick, 1912c, p. 120 (*Carposina*) **new combination**
Lake Wakatipu OL, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 218, pl. xxiv fig. 20.

philpotti philpotti Dugdale, 1971b, p. 75, fig. 9–11 (*Carposina*, as subspecies of *epomiana*) **new combination**
Camp Cove, Carnley Harbour, Auckland Islands, G.V. Hudson; HT ♂ designated by Dugdale, NMNZ.
Hudson 1909, p. 74, pl. ii fig. 17, as *Carposina gonosemana*; 1928, p. 217 (in part).

"n.sp." Philpott, 1928f, pp. 477 (key) and 479, fig. 7

philpotti hudsoni **new name** proposed here for *epomiana* of authors but not Meyrick (1885, p. 149) (*Carposina*)
West Plains, [Invercargill] SL, A. Philpott; HT ♂ designated by Dugdale, NZAC.

epomiana not of Meyrick, but in the sense of Philpott (1928f, pp. 477 (key) and 479, fig. 6) (*Carposina*)

rubophaga **new species** proposed here for *adreptella* of authors, but not Walker (1864a, p. 564)
[Riccarton Bush], Christchurch MC, E. Meyrick; HT ♂ selected by K.R. Tuck, labelled "Christchurch New Zealand 9/3/82", "Carposina adreptella Wlkr 13/18 E. Meyrick det. in Meyrick Coll." , BMNH.
Hudson 1928, p. 216, pl. xxii fig. 22; Philpott 1928f, p. 480, fig. 9, as *Carposina adreptella.*

adreptella Meyrick, 1882b, p. 179 (*Heterocrossa*; as *abreptella*), and Meyrick 1883b, p. 66.
Note. This species is the 'raspberry budmoth' of horticulture. The HT is drawn from the series collected by Meyrick at Riccarton Bush MC, because it was on this series that Meyrick based his concept of *adreptella*, and therefore of *Heterocrossa* (Meyrick 1882b, p. 179).

sanctimonea Clark, 1926, p. 418 (*Carposina*) **new combination**
Arthur's Pass NC/WD, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, p. 218, pl. lii fig. 29, as *Carposina sanctimonea.*

sarcanthes Meyrick, 1918a, p. 133 (*Carposina*) **new combination**
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 216, not figured, as *Carposina sarcanthes.*

Also 3 undescribed species (NZAC).

• ***Paramorpha*** Meyrick, 1881b, pp. 696–697. Type species *Paramorpha aquilana* Meyrick, 1881b, pp. 697–698, by subsequent designation (Meyrick 1910c, p. 154); Australia.

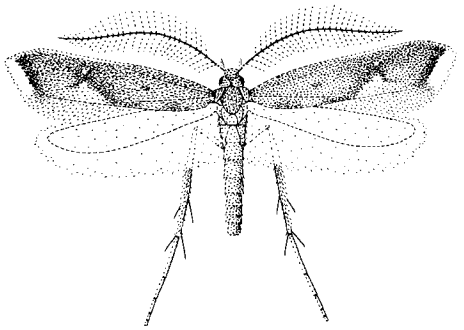
marginata Philpott, 1931, p. 33 (*Carposina*)
Okoroire WO, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 455, pl. lix fig. 23.

heptacentra Meyrick, 1931a, p. 95 (*Paramorpha*). Synonymised by Hudson (1939, p. 455).
Whangarei ND, S.C. Patterson; HT not found in BMNH.

• Also 1 undescribed genus and species.

Superfamily EPERMENIOIDEA
(Minet, 1983)

Family EPERMENIIDAE
(in the sense of Gaedike 1978)



Epermeniidae
(168) *Thambotricha vates* Meyrick

• ***Thambotricha*** Meyrick, 1922b, p. 270. Type species *Thambotricha vates* Meyrick, by original monotypy.

vates Meyrick, 1922b, pp. 270–271 (*Thambotricha*)
Wellington WN, C.E. Clarke; HT ♂ unique, BMNH.
Hudson 1928, p. 325, pl. I fig. 11.
Note. Meyrick (1924a, pp. 204–205) redescribed the genus and species.

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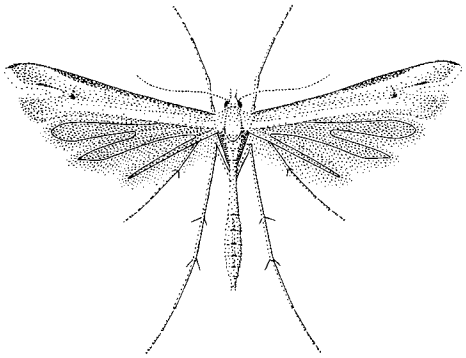
Superfamily PTEROPHOROIDEA
Family PTEROPHORIDAE
(in the sense of Common 1970, p. 838)



Pterophoridae
(169) *Stenoptilia lithoxesta* Meyrick

• ***Lantanophaga*** Zimmerman, 1958, p. 400. Type species *Oxyptilus pusillidactylus* Walker, by original designation.

pusillidactyla Walker, 1864b, p. 933 (*Oxyptilus*)
West Indies, Jamaica, Mr Goose; HT ♀ in BMNH.
Neotropical, "now widely spread in the tropics and subtropics" (Zimmerman 1958, p. 402) for control of *Lantana camara*, a weed shrub.
New Zealand: NZAC has specimens collected in 1982 (adult) and 1986 (all stages) from Henderson and Mt Albert AK.

• ***Pterophorus*** Schaeffer, 1766, pl. 104 fig. 2 and 3. Type species *Phalaena Alucita pentadactyla* Linnaeus, 1758, p. 542, by subsequent designation (Whalley 1961, p. 159).
Note. See also ICZN 1964, p. 113.

Aciptilia of authors, in the sense of Meyrick (1913b, p. 47, as *Alucita* Linn.). Type species *Phalaena Alucita pentadactyla* Linnaeus, 1758, p. 542, as given by Meyrick (1913b, p. 47).

furcatalis Walker, 1864b, p. 950 (*Aciptilus*)
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "furcatalis Type Coll. Cab. 14 Dr. 5", "26. Aciptilus furcatalis" (printed strip cut from Walker's proof), "Aciptilus furcatalis Wkr Type", "Auckland N. Zeal. 60-73" (circular), abdomen, forelegs, middle legs, and right hindleg missing, BMNH.
Hudson 1928, p. 210, pl. xxiii fig. 17, as *Alucita furcatalis*, following Meyrick (1913b, p. 48).

Note. The 4 specimens from Auckland AK collected by Bolton (nos. a–d) could not be found.

innotatalis Walker, 1864b, p. 945 (*Pterophorus*)
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "57. Pterophorus innotatalis" (printed strip cut from Walker's proof), "Type Coll. Cab. 14 Dr. 6", "Pterophorus innotatalis Wkr Type ♂", "Auckland N. Zeal. 60-73", abdomen missing, BMNH.
Hudson 1928, p. 210, pl. xxiii fig. 1, as *Alucita innotatalis*, following Meyrick (1913b, p. 48).

monospilalis Walker, 1864b, pp. 950–951 (*Aciptilus*)
[Auckland AK], D. Bolton; LT ♂ here designated, labelled "27. Aciptilus monospilalis" (printed strip cut from Walker's proof), "Aciptilus monospilalis Wkr Type ♂", "New Zealand 54.4" (circular), BMNH.
Hudson 1928, p. 209, pl. xxiii fig. 5 and 6, as *Alucita monospilalis*, following Meyrick (1913b, p. 47).

furcatalis var. β Walker, 1864b, p. 950 (*Aciptilus*). **New synonymy.**
[Nelson NN], T.R. Oxley; HT ♂ unique, labelled "Walker's furcatalis var. β" [T.B. Fletcher's writing], BMNH.

furcatalis var. γ Walker, 1864b, p. 950 (*Aciptilus*). **New synonymy.**
[Auckland AK], D. Bolton; LT ♂ (designated by Fletcher as "Type") with label "This spec. was marked Type but is evidently Walker's type γ. I have therefore shifted the type label off it. T.B.F.", BMNH.

patruelis Felder & Rogenhofer, 1875, pl. cxl fig. 56 (*Aciptilia*). Synonymised by Meyrick (1885a, p. 347; 1885f, p. 124).
[Nelson NN, T.R. Oxley]; HT ♂ designated by Felder, BMNH.
Hudson 1928, p. 209, as synonym.

lycosema Meyrick, §1885a, p. 347; 1885f, pp. 123 (key) and 124 (*Aciptilia*). Synonymised by Chappell (1934, p. 163).
[Botanic Gardens], Wellington WN, E. Meyrick; LT ♂ here designated, labelled "Wellington New Zealand 9/1/80", "Lectotype JSD 1980", BMNH.
Hudson 1928, p. 209, pl. xxiii fig. 18, as species.
Note. Philpott (1928h, fig. 11 and 12, and key, p. 649) illustrates genital structure differences between *monospilalis* and *lycosema*.

• ***Platyptilia*** of authors, in the sense of Meyrick (1910d, p. 9; 1913b, p. 47; 1913d, p. 10)

aelodes Meyrick, 1902c, p. 278 (*Platyptilia*)
Chatham Island, J. Fourgère; LT ♂ here designated, labelled "Chatham Is F. /00", wingspan 15.5 mm, BMNH.
Hudson 1928, p. 207, as species.

campsiptera Meyrick, 1907c, pp. 112–113 (*Platyptilia*)
Lake Wakatipu OL, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 208, pl. xxiii fig. 15.

carduidactyla Riley, 1869, p. 180, pl. II fig. 13 and 14 (*Pterophorus*)
North America.
New Zealand: adventive; in imported artichoke crowns, 1973, Auckland (AK). Not known to be established.
Note. Lange (1950, pp. 585–592) gives a useful account of biology and illustrates structure.

deprivatalis Walker, 1864b, p. 946 (*Pterophorus*)
[Auckland AK], D. Bolton; LT ♂ here designated, labelled "58. Pterophorus deprivatalis" (printed slip cut from Walker's proof), "Pterophorus deprivatalis Wkr Type ♂", "New Zeal. 54.4" (circular), BMNH.
Hudson 1928, p. 208, pl. xxiii fig. 2.
Note. Examination of HT *haasti* Felder shows it to be not synonymous with *deprivatalis*.

falcatalis Walker, 1864b, p. 931 (*Platyptilus*)
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "15. Platyptilus falcatalis" (printed slip cut from Walker's proof), "Type" (oblong card), "Auckland N. Zeal. 60-73" (circular), BMNH.
Hudson 1928, p. 207, pl. xxiii fig. 7 and 8.

haasti Felder & Rogenhofer, 1875, pl. cxl fig. 58 (*Platyptilia*). **New synonymy.**
[Nelson NN, T.R. Oxley]; HT ♂ [unique], BMNH.
Hudson 1928, p. 208, as synonym of *Platyptilia deprivatalis*, following Meyrick (1913b, p. 47).

indubitata Philpott, 1928g, p. 485 (*Platyptilia*), new name for *Platyptilia ferruginea* Philpott, 1923, p. 150, preoccupied by *Crocydoscelus ferrugineum* (Walsingham, 1897, p. 35). Synonymised by Hudson (1928, p. 207).
Mount Arthur Tableland NN, A. Philpott; HT ♀ designated by Philpott, abdomen missing, NZAC.
Hudson 1928, p. 207, as *ferruginea* Philpott, as synonym; 1939, p. 429 (refers to Philpott 1928g).

heliastis Meyrick, §1885a, p. 347; 1885f, pp. 127 (key) and 129 (*Platyptilia*)
Porter's Pass MC, R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1928, p. 208, pl. xxiii fig. 13.
Note. The published locality is "Castle Hill", the sheep station then owned by the published collector, J.D. Enys. Porter's Pass was on Enys's run, Fereday and Enys collected together, and Meyrick's labelling was occasionally inaccurate.

hokowhitalis Hudson, 1939, p. 430 (*Platyptilia*)
Hokowhitu Bush WN/WI, G.V. Hudson; HT ♂ unique, labelled "504a", NMNZ.
Hudson 1928, pl. xxiii fig. 3, as *Platyptilia celidota* (in error); 1939, p. 430.

isoterma Meyrick, 1909a, p. 10 (*Platyptilia*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 207, as synonym of *Platyptilia falcatalis*.
Note. Palpal length and colour pattern distinguish HT *isoterma* from HT *falcatalis* and HT *haasti*, so *isoterma* is here removed from synonymy with *falcatalis*.

pulverulenta Philpott, 1923, p. 149 (*Platyptilia*)
Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 207, as synonym of *Platyptilia falcatalis*.
Note. Palpal length and colour pattern clearly distinguish HT *pulverulenta* from HT *falcatalis*, *haasti*, and *indubitata*, so *pulverulenta* is here removed from synonymy with *falcatalis*.

repletalis Walker, 1864b, p. 931 (*Platyptilus*)
[Auckland AK], D. Bolton; LT ♂ (as HT) here designated, labelled "Type Coll. Cab. 14 drawer 5", "TYPE", "16. Platyptilus repletalis" (printed slip cut from Walker's proof), "New Zealand 54.4" (circular), abdomen missing, BMNH.
Hudson 1928, p. 207, as synonym of *Platyptilia falcatalis*; 1928, p. 207, pl. xxiii fig. 14, as *Platyptilia aelodes* (part).
Note. Dugdale (1971b, pp. 147–148) discusses differences between *repletalis*, *aelodes*, and *falcatalis*.

Also 1 undescribed species (NZAC).

• ***Stenoptilia*** in the sense of Meyrick (1910d, p. 18; 1913b, p. 48; 1913d, p. 28)

charadrias Meyrick, §1885a, p. 347; 1885f, p. 126 (*Mimaeseoptilus*)
[Otira Gorge WD], E. Meyrick; LT ♂ here designated, labelled "Otira Gorge New Zealand 1500 ft 29/1/83", "Lectotype", BMNH.
Hudson 1928, p. 211, pl. xxiii fig. 4.

vigens not of Felder & Rogenhofer, 1875, pl. cxl fig. 49, but in the sense of Meyrick (1912c, p. 119) (*Stenoptilia*).
Hudson 1928, p. 211, pl. xxiii fig. 9, as species.
Note. Known from specimens from Humboldt Range OL collected by Hudson and sent to Meyrick. Felder & Rogenhofer's *Oxyptilus vigens*, although recorded as from "Nova Seelandia", is actually from Natal, Republic of South Africa.

celidota Meyrick, §1885a, p. 347; 1885f, p. 125 (*Lioptilus*)
Christchurch MC, R.W. Fereday; LT ♂ here designated, labelled "Lectotype JSD 1980" (circular), "Christchurch New Zealand RWF /82", BMNH.
Hudson 1928, p. 209, pl. xxiii fig. 3, as *Platyptilia celidota*.
Note. None of the type series has black scales on the forewing dorsum (cf. Hudson 1928, p. 209), and the species is retained in *Stenoptilia* (see Meyrick 1913b, p. 48).

epotis Meyrick, 1905, pp. 231–232 (*Platyptilia*)
Humboldt Range OL, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 210, pl. xxiii fig. 16.

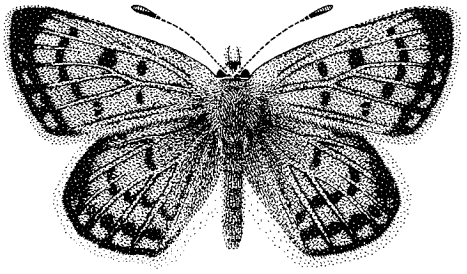
lithoxesta Meyrick, §1885a, p. 347; 1885f, pp. 126 (key) and 127 (*Mimaeseoptilus*)
Arthur's Pass NC/WD, E. Meyrick; LT ♂ here designated, labelled "Lectotype JSD 1980" (circular), "Arthur's Pass New Zealand 3000 ft 25/1/83", BMNH.
Hudson 1928, p. 210, pl. xxiii fig. 11.

orites Meyrick, §1885a, p. 347; 1885f, p. 127 (*Mimaeseoptilus*)
Clinton SL, G.F. Mathew; HT ♂ unique, BMNH.
Hudson 1928, p. 211, pl. xxiii fig. 10.
Note. HT bears the label "Dunedin New Zealand Mathew 1887", but it is likely that Meyrick saw Mathew's collection in New Zealand before it was received at BMNH in 1887 and given the accession number "87-50".

zophodactyla Duponchel, 1838, pl. 314 fig. 4 (*Pterophorus*)
Described from France; HT not examined, ?MNHN.

canalis Walker, 1864b, p. 944 (*Pterophorus*). Synonymised by Meyrick (1910d, p. 19).
Sydney N.S.W., Lambert; ST "a" in BMNH.
Hudson 1928, p. 211, pl. xxiii fig. 12.
Note. There is no evidence that *S. zophodactyla* was introduced by man.

Superfamily PAPILIONOIDEA
Family LYCAENIDAE



Lycaenidae
(170) *Lycaena salustius* (Fabricius)

Subfamily LYCAENINAE
(in the sense of Common & Waterhouse 1972, p. 308)

• ***Lampides*** Hübner, [1819], p. 70. Type species *Papilio (Plebejus Rurales) boeticus* Linnaeus, by subsequent designation (Grote 1873a, p. 179).

boeticus Linnaeus, 1767, p. 789 (*Papilio P. R.*)
Type locality given as "Barbaria".
New Zealand: self-adventive since 1965 (Gibbs 1980, p. 176); ND–NN, locally common.

• ***Lycaena*** Fabricius, 1807, p. 285. Type species *Papilio phlaeas* Linnaeus, 1776, p. 285, by subsequent designation (Curtis 1828, p. 5, pl. 12).

Helleia in the sense of Sibatini (1974, p. 109) but not of Verity (1943). Synonymised by Gibbs (1980, p. 106).
Note. Sibatini (1974, p. 109) gives "A tentative scheme of higher classifiation of Lycaeninae (s.str.) of the world", placing the New Zealand species *salustius* and *feredayi* in a subgenus of *Helleia* Verity, and *boldenarum* in another (unnamed) genus. Miller & Brown (1979, pp. 5 and 6) refer to "*Lycaena*" *salustius*.

boldenarum boldenarum White, 1862, p. xxvi (*Lycaena*)
[HB or TO], W. Colenso; HT (?gender), BMNH.
Hudson 1898, pp. 118–119, pl. xii fig. 13–17; 1928, pp. 38–39, pl. v fig. 1–6 and 14–17, as *Chrysophanus boldenarum*, after Butler (1874, p. 29). Gibbs 1980b, p. 155, as *Lycaena boldenarum*.

boldenarum caerulaea Salmon, 1946, pp. 10–11 (*Chrysophanus*), as subspecies of *boldenorum* (*sic*).
Hollyford Valley FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Salmon 1946, pp. 10–11, pl. 1 fig. 12 and 13. Gibbs (1980b, p. 156) notes Salmon's action, but ignores it nomenclaturally.

boldenarum ianthina Salmon, 1946, p. 11 (*Chrysophanus*), as subspecies of *boldenorum* (*sic*).
Milford Sound FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Salmon 1946, p. 11, pl. 1 fig. 7 and 8. Gibbs (1980b, p. 156) notes Salmon's action, but ignores it nomenclaturally.

feredayi Bates, 1867, p. 53 (*Chrysophanus*)
Kaiapoi Bush MC, R.W. Fereday; ST ♂ so labelled by P. Ackery (1985), BMNH.
Hudson 1898, p. 116; 1928, p. 37, as possible synonym of *Chrysophanus salustius*. Gibbs 1980a, p. 105, fig. 7–9, 19–21, and 31, as *Lycaena feredayi*.

enysii Butler, 1876, p. 153 (*Chrysophanus*). Synonymised by Hutton (1901, p. 97, as *enysi*).
[?Hawkes Bay HB], J.D. Enys; HT ♂ labelled by Butler as "Type", BMNH.
Hudson 1898, pp. 117–118, pl. xii fig. 22–24; 1928, p. 38, pl. v fig. 10–12; as *Chrysophanus enysii*. Gibbs 1980a, p. 105; 1980b, p. 150; as synonym of *Lycaena feredayi*.

rauparaha Fereday, 1877b, p. 462 (*Chrysophanus*)
Kaiapoi Bush MC, R.W. Fereday; HT ♂ so labelled, CMNZ.
Hudson 1898, p. 116, pl. xii fig. 21, pl. 13 fig. 2; 1928, p. 36, pl. v fig. 24 and 25, as synonym of *Chrysophanus salustius*. Gibbs 1980a, pp. 110–113, fig. 4–6, 10, 13–15, 22, and 26–29, as *Lycaena rauparaha*.
Note. Hutton (1901, p. 97) was first to uphold the distinctiveness of *rauparaha* (see Gibbs 1980a, pp. 105–106). Fereday (1878a, p. 255) gave additional details. See note under *salustius*, below.

salustius Fabricius, 1793, p. 310 (*Hesperia Rurales*)
"Habitat in India", Drury; HT not found, depicted in *Jones Icones 6*, tab. 59 fig. 1.
Hudson 1898, pp. 116–117, pl. xiii fig. 3–5, pl. xviii fig. 18–20; 1928, pp. 36–38, pl. v fig. 7–9, 26, and 27, as *Chrysophanus salustius*. Gibbs 1980a, pp. 106–109, fig. 1–3, 16–18, 24, and 30, as *Lycaena salustius*.
Note. As outlined by Andrews (1986), there is strong evidence – based on the *Jones Icones* – to suggest that *salustius* Fabricius = *rauparaha* Fereday. The matter will not be resolved until Drury's specimen, thought to be in the Macleay Museum, Sydney, is located and examined.

edna Doubleday, 1843, p.283 (*Lycaena*). Synonymised by Butler (1869, p. 174).
"New Zealand", E. Dieffenbach; HT not located in BMNH (P. Ackery, pers. comm.).
Hudson 1898, p. 116; 1928, p. 36; as synonym.

maui Fereday, 1877b, pp. 461–462 (*Chrysophanus*). Synonymised by Hudson (1898, p. 116).
Wellington WN, R.W. Fereday; HT ♂ designated as "Type" by Fereday, no locality label, CMNZ.
Hudson 1898, p. 116; 1928, p. 36, pl. v fig. 27, as synonym. Gibbs 1980b, p. 142, as Hudson's "Wellington inland form". Fereday (1878a, pp. 254–255) gave additional details.

• ***Zizina*** Chapman, 1910, p. 482. Type species *Polyommatus labradus* Godart, by original designation.

labradus labradus Godart, 1824, p. 680 (*Polyommatus*; as species)
"?Australia"; type material in MNHN.
Hudson 1898, p. 119, pl. xii fig. 10 and 11, as *Lycaena phoebe* Murray. Stempffer (1967, p. 258), as *Zizina labradus*; Common & Waterhouse 1972, p. 409, and Gibbs 1980b, pp. 166–172, fig. 60a, as *Zizina otis labradus*.
Note. The name *Lycaena phoebe* Murray, 1873, pp. 107–108, refers to specimens collected in "South Australia" and Brisbane standing under that name in BMNH.

labradus oxleyi Felder & Felder, 1865, pp. 280–281, pl. xxxv fig. 6 (*Lycaena*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1883, pp. 119–120, pl. xii fig. 12, as species; 1928, p. 40, not figured, as synonym of *Lycaena labradus*. Gibbs 1980b, pp. 173–175, fig. 60b, as subspecies of *Zizina otis*.

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Family NYMPHALIDAE
Subfamily BRASSOLINAE

• ***Opsiphanes*** Doubleday, [1851], p. 344, pl. 57 fig. 2 [illustration]; Westwood in Doubleday & Westwood, 1851, p. 346 [text]. Type species *Opsiphanes sallei* Doubleday, 1849, pl. 57 fig. 2, by subsequent designation (Scudder 1875, p. 233); Neotropical.

cassina Felder & Felder, 1862, p. 122 (*Opsiphanes*)
New Zealand: adventive; DN (Harris 1982, p. 330, as *Opisphanes cassina*).

tamarindi Felder & Felder, 1861, p. 111 (*Opsiphanes*)
New Zealand: adventive; WN, DN, SL (Harris 1982, pp. 329–330, fig. 1 and 2).)
Note. Both species have been intercepted alive in shipments of Ecuadorian bananas; neither has established.

Subfamily DANAINAE

• ***Danaus*** Kluk, 1802, p. 84. Type species *Papilio plexippus* Linnaeus, 1758, by subsequent designation (Hemming 1933, p. 222).

plexippus Linnaeus, 1758, p. 471 (*Papilio Danaus*)
North America.
New Zealand: self-adventive; throughout, locally established ND–NN.
Hudson 1898, pp. 102–104, pl. xi fig. 1 and 2, as *Anosia erippus* Cramer; 1928, pp. 26–28, pl. iv fig. 10, as *Danaida plexippus*. Gibbs 1980b, pp. 62–67, as *Danaus plexippus plexippus*.
Note. Fereday (1874, p. 183) gave early New Zealand records, using the specific name *berenice* Cramer. The specimen he records as found by Mrs Meinertzhagen is in CMNZ.

chrysippus petilia Stoll, 1790, pl. 28 fig. 3 (*Papilio*; as species)
New Zealand: occasionally self-adventive (Gibbs 1980b, pp. 68–69), ND–WD.
Hudson 1928, p. 28, pl. iv fig. 11 and 12, as *Danaida chrysippus*. Gibbs 1980b, pp. 68–70, pl. 41.

• ***Tirumala*** Moore, 1880, p. 4. Type species *Papilio limniace* Cramer, 1775, by original designation.

hamatus hamatus Macleay, 1826, p. 451 (*Euploea*; as species)
Australia.
New Zealand: occasionally self-adventive, non-establishing, ND–WN (Gibbs 1980b, p. 70).
Hudson 1950, p. 66, pl. B fig. 6. Gibbs 1980b, pp. 70–71, pl. 44, as *Danaus hamata*.

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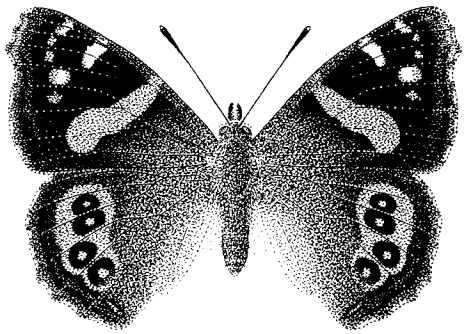
Subfamily NYMPHALINAE
(in the sense of Common 1970, p. 843)

• ***Bassaris*** Hübner, [1821a], pl. 24. Type species *Papilio Nymphalis Gemmata itea* Fabricius, by monotypy (Hemming 1967, p. 74).
Note. Field (1971, p. 28) resurrected Hübner's genus for Australian and New Zealand species previously placed in *Pyrameis* or *Vanessa* of authors.

gonerilla gonerilla Fabricius, 1775, p. 498 (*Papilio N. G.*, as species)
"Habitat in nova Zelandia", J. Banks; HT ♂ unique, type no. Rh. 8918, BMNH.
Hudson 1898, pp. 105–107, pl. xii fig. 5 and 6; 1928, pp. 34–35, pl. iv fig. 2 and 9, as *Vanessa gonerilla*. Gibbs 1980b, pp. 111–115, pl. 108, as *Bassaris gonerilla gonerilla*, after Field (1971, p. 33).



Nymphalidae: Nymphalinae
(171) *Bassaris gonerilla* (Fabricius)

gonerilla ida Alfken, 1899, pp. 5–8 (*Pyrameis*; as species)
Te One and Maunganui, Chatham Islands, "Schauinsland"; not found, ?Bremen Museum (Field 1971, p. 32).
Hudson 1928, p. 35, pl. v fig. 31, as "Chatham Island form" and "Vanessa ida ?Alfken" as footnote. Gibbs 1980b, pp. 116–118, as *Bassaris g. ida*, after Field (1971, pp. 32–33, fig. 87 and 88, taken from Alfken 1903, p. 602, pl. 32 fig. 12).

argentata Alfken, 1903, p. 602, pl. 32 fig. 13 (*Pyrameis ida* var.). Synonymised by Field (1971, p. 32). Excluded name, Type 3, in the sense of Field (1971, p. 4).
Chatham Islands, Schauinsland; type material not found, ?Bremen Museum (Field 1971, p. 32).

itea Fabricius, 1775, p. 498 (*Papilio N. G.*)
"Habitat in nova Zealandia", J. Banks; HT ♂ unique, type no. Rh.8719, BMNH.
Hudson 1898, pp. 107–108, pl. xii fig. 3 and 4; 1928, pp. 35–36, pl. iv fig. 8, as *Vanessa itea*. Gibbs 1980b, pp. 118–121, pl. 109, as *Bassaris itea*, after Field (1971, p. 30).

• ***Cynthia*** Fabricius, 1807, p. 281. Type species *Papilio Nymphalis cardui* Linnaeus, 1758, p. 475, by subsequent designation (Westwood 1840, p. 87). Note. Field (1971, p. 33) resurrected Fabricius's genus.

kershawi McCoy, 1868, p. 76 (*Cynthia*)
?Melbourne Vict., Kershaw; HT not found (Field 1971, p. 46).
New Zealand: regularly self-adventive throughout, temporarily establishing from ND to NN on adventive Asteraceae.
Hudson 1898, pp. 108–109, pl. xii fig. 1 and 2; 1928, p. 36, pl. iv fig. 1; as *Vanessa cardui*, with *kershawi* as synonym. Gibbs 1980b, pp. 121–125, pl. 128, as *Cynthia kershawi*, after Field (1971, p. 45), as resurrected combination.

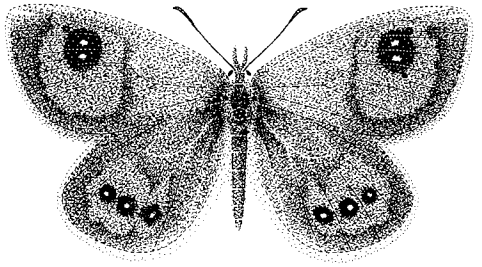
• ***Hypolimnas*** Hübner, [1819], p. 45. Type species *Papilio Nymphalis pipleis* Linnaeus, 1758, p. 476, by subsequent designation (Scudder 1875, p. 194).

bolina nerina Fabricius, 1775, p. 509 (*Papilio Nymphalis Phaleratus*; as species)
"Habitat in nova Hollandia", J. Banks; HT ♀ unique, BMNH.
New Zealand: irregularly self-adventive but non-establishing, ND–WD/FD.
Hudson 1898, pp. 104–105, pl. xii fig. 7–9, as *Anosia bolina*; 1928, pp. 32–33, pl. v fig. 18 and 19, as *Hypolimnas b. nerina*, after Common & Waterhouse (1972, p. 287).

• ***Junonia*** Hübner, 1819, p. 34. Type species *Papilio lavinia* Cramer, 1775, p. 32, pl. 21 fig. C and D, by subsequent designation (Scudder 1872, p. 43) (Hemming 1967, p. 239).
Note. *Junonia*, an Indo-Malayan genus, is used here following de Lesse (1952, pp. 74–77, fig. 1). I have examined African *Junonia lavinia coenia* (Hübner) and the Nearctic–Neotropical *Precis octavia* (Cramer), and agree with de Lesse's findings. Tilden (1971, pp. 101–108) regarded the two genera as synonymous, but all species examined by him are in *Junonia* in the sense of de Lesse. *Junonia* is adopted by Common & Waterhouse (1981, 2nd edn), following Edwards (1977).

villida calybe Godart, 1819, p. 317 (*Vanessa*)
Australia.
New Zealand: intermittently adventive, ND–WD–DN.
Hudson 1898, pp. 109–110, pl. xi fig. 16 and 17, as *Junonia velleda*; 1928, pp. 33–34, pl. iv fig. 15, as *Precis velleda*; Gibbs 1980b, pp. 128–129, pl. 138, as *Precis villida calybe*, after Common & Waterhouse (1972, p. 294).
Note. The type locality of the nominate subspecies (*P. v. villida* Fabricius) is given as "Insula Amsterdam" (Fabricius 1787, p. 35), in the Macassar Straits. See note under Godart, J.B., 1819 in 'References'. The species *calybe* may be a Latreille name.

Subfamily SATYRINAE
(in the sense of Common & Waterhouse 1972, p. 232)



Satyrinae
(172) *Argyrophenga antipodum* (Doubleday)

• ***Argyrophenga*** Doubleday, 1845, p. 307. Type species *Argyrophenga antipodum* Doubleday, by original monotypy.

antipodum Doubleday, 1845, p. 307 (*Argyrophenga*)
Waikouaiti DN, P. Earl; HT ♂ here designated, labelled "New Zealand, purch. fr. Earl 45.30", "B.M. Type No. Rh. 3552", "Type H.T.", "Argyrophenga antipodum Doubleday det. P. Ackery 1976", BMNH.
Hudson 1898, pp. 110–112, pl. xi fig. 4–6; 1928, pp. 29–30, pl. iv fig. 18–20. Craw 1978, pp. 754–761, fig. 2, 3, 6 (part), 7k–o, and 8k–r.

harrisi Craw, 1978, pp. 761–762 (*Argyrophenga*)
Mount Owen NN, J.S. Dugdale; HT ♂ designated by Craw, NZAC.
Not mentioned by Hudson. Craw 1978, pp. 761–762, fig. 4, 7f–j, and 8f–j.

janitae Craw, 1978, pp. 763–765 (*Argyrophenga*)
Lake Sylvester, Cobb Valley NN, J.S. Dugdale; HT ♂ designated by Craw, NZAC.
Hudson 1898, pp. 110–111, pl. xi fig. 3 and 7; 1928, p. 29, pl. iv fig. 6 and 7; as *Argyrophenga antipodum*. Craw 1978, pp. 763–765, fig. 5, 6 (part), 7a–e, and 8a–e.

• ***Dodonidia*** Butler, 1884a, p. 172. Type species *Dodonidia helmsii* Butler, by original designation.

helmsii Butler, 1884a, p. 172 (*Dodonidia*)
Paparoa Range BR, R. Helms; HT ♂ unique, in pieces, CMNZ.
Hudson 1898, pp. 112–113, pl. xi fig. 14 and 15; 1928, p. 30, pl. iv fig. 16 and 17; as *Dodonidia helmsi* Fereday. Gibbs 1980b, pp. 77–82, pl. 47, as *Dodonidia helmsii* Butler.

helmsi Fereday, 1883b, p. 193 (no genus); invalid name
Type locality (as "Paporoa Range"), collector, and HT as above.
Note. Hemming (1967, p. 148), following Butler (1884a, p. 172), wrongly ascribed the spelling "*helmsii*" to Fereday (1883b, p. 193). Butler's authorship takes precedence over Fereday's under the Rules, as does Butler's spelling (*helmsii*), as this is the spelling used the first time the binomen (genus + species) was published.

• ***Erebiola*** Fereday, 1879, p. 128. Type species *Erebiola butleri* Fereday, by original designation.
Note. Warren (in Wise 1967, p. 40) gave *Dubierebia* Muschamp, 1915, pp. 12–26 (type species *Erebia myops* Staudinger, 1881; Ala Tau, Turkestan) as a junior subjective synonym of *Erebiola*. Miller (1968) assigned each genus to a different tribe, and this action is currently recognised (R.C. Craw, pers. comm.).

butleri Fereday, 1879, pp. 129–130, pl. 1 fig. 3 and 4 (*Erebiola*)
Whitcombe Pass MC/WD, J.D. Enys; HT ♂ designated by Wise (1967, p. 4), CMNZ.
Hudson 1898, p. 115, pl. xi fig. 11 and 12; 1928, pp. 31–32, pl. iv fig. 3–5. Gibbs 1980b, pp. 95–98, pl. 85–87.

• ***Melanitis*** Fabricius, 1807, p. 282. Type species *Papilio Nymphalis leda* Linnaeus, 1758, p. 474, by subsequent designation (Butler 1868, p. 194); "Asia".

leda bankia Fabricius, 1775, p. 499 (*Papilio Nymphalis Gemmata*; as species)
"Australia", J. Banks; HT (?gender) not examined, BMNH.
New Zealand: self-adventive, sporadic, not establishing. Holloway 1962, pp. 79–82, fig. 1 and 2.

• ***Oreixenica*** Waterhouse & Lyell, 1914, p. 41. Type species *Lasiommata*(?) *lathoniella* Westwood, by original designation.

lathionella herceus Waterhouse & Lyell, 1914, p. 42 (*Oreixenica*)
South-eastern Australia. New Zealand: ?adventive; 1 ♂ found in a gutter, Wellington City WN, 1972 by C.F. Mercer (NZAC).

• ***Percnodaimon*** Butler, 1876, p. 152. Type species *Erebia merula* Hewitson (as *Erebia pluto* Fereday MS.), by original monotypy.
Note. There is strong disagreement (cf. Hemming 1967, p. 352, and Wise 1967, p. 41) as to whether Fereday's brief mention ("I may also mention a black butterfly found on the bare summits of the

snowy mountains, and of which I have several specimens ... I believe it to be a species of *Erebia* and I have named it *E. pluto*") constitutes an indication according to the Rules of Zoological Nomenclature. The arrangement below is that stated (or implied) by Hemming, and cannot be regarded as final since neither Hemming's nor Wise's points have been put before the International Commission for Zoological Nomenclature.

merula Hewitson, 1875, p. 10 (*Erebia*); first valid name (Hemming 1967, p. 352)
"New Zealand" [description equates with Canterbury specimens], H. Strecker; HT (?gender), BMNH.
Hudson 1898, pp. 114–115, pl. xi fig. 8–10; 1928, p. 31, pl. v fig. 13, 29, and 30; as *Erebia pluto* Fereday.
Note. Philpott (1928g, p. 481) refers to it as *Erebia merula*, and gives history. Gibbs (1980b, pp. 99–105) refers to it as *Percnodaimon pluto* (Fereday MS.) Butler.

pluto Fereday, 1872, p. 217 (*Erebia*); invalid name (Hemming 1967, p. 352)
Craigieburn Range MC, J.D. Enys; LT ♂ designated by Wise (1967, p. 42), CMNZ.
Note. Fereday (1872, p. 217) records that the specimens were collected at altitudes over 6000 feet. This combination was upheld as valid by Wise (1967, p. 41).

othello Fereday, 1876, pp. 302–304, pl. ix (*Oreina*?); replacement name for *pluto*, preoccupied by *Erebia pluto* (de Prunner, 1798). Synonymised by Butler (1878, p. 268).
Type data as for *Erebia pluto* Fereday.

pluto (Fereday MS.) Butler, 1876, p. 153 (*Percnodaimon*). Synonymised by Hemming (1967, p. 352).
Type data as for *Erebia pluto* Fereday.
Note. Butler here 'formalised' Fereday's (1872) indication.

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Family PIERIDAE

• ***Catopsilia*** Hübner, [1819], p. 98. Type species *Papilio crocale* Cramer, [1775], by subsequent designation (Scudder, 1871, p. 58).

pomona pomona Fabricius, 1775, p. 479 (*Papilio Danaus Candidus*; as species)
"Asia".
New Zealand: recorded once, in Auckland AK.
Hudson 1898, p. 121, as *Catopsilia catilla* Cramer.

• ***Pieris*** Schrank, 1801, pp. 152 and 161. Type species *Papilio brassicae* Linnaeus, 1758, by subsequent designation (Latreille 1810, pp. 440 and 351).

rapae rapae Linnaeus, 1758, p. 468 (*Papilio Danaus Candidus*; as species)
Europe.
New Zealand: man-adventive; recorded since 1930, ND–SL, throughout.
Hudson 1939, pp. 389–391, pl. lxii fig. 7 and 27, as *Pieris rapae*. Gibbs 1980b, pp. 44–56, pl. 8, as *Pieris rapae*.
Note. Kudrna (1974) and Higgins (1975) revived the genus *Artogeia* Verity, 1947, pp. 192–193 (type species by original designation *Papilio napi* Linnaeus, 1758), to reflect differences in male genitalia, androconial scales, and chromosome numbers between the crucifer-eating, Palearctic species *rapae* and *brassicae*. The citation given is that adopted by Gibbs (1980b).

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Superfamily BOMBYCOIDEA
Family BOMBYCIDAE

• ***Bombyx*** Linnaeus, 1758, p. 496. Type species *Bombyx mori* Linnaeus, as in Kirby (1892, p. 718).

mori Linnaeus, 1758, p. 499 (*Bombyx*)
China.
Domesticated worldwide, including New Zealand.

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Family SATURNIIDAE

• ***Antheraea*** Hübner, [1819], p. 152. Type species *Attacus mylitta* Drury, 1773, by subsequent designation (Kirby 1892, p. 759).

Note. Australian species are now assigned to *Opodiphthera* Wallengren (E. D. Edwards, pers. comm.).

eucalypti Scott, 1864, pl. 1 (*Antheraea*)
Eastern Australia.
New Zealand: introduced by man, now established on *Eucalyptus* and *Schinus*, generally north of 39°30′S and coastally south to 41°30′S.

• ***Samia*** Hübner, [1819], p. 156. Type species *Bombyx cecropia* Linnaeus, 1758, p. 447, by subsequent designation (Kirby 1892, p. 750); North America.

cynthia Drury, 1773, pl. 6 fig. 2 (*Attacus*)
Java.
New Zealand: man-adventive; established in Auckland City AK on *Ailanthis* trees around the university and Albert Park.

Note. The following species have been reported – but never for more than two consecutive seasons – from the Auckland metropolitan area. All species listed are available from overseas commercial Lepidoptera dealers.
• ***Actias selene*** (Hübner, 1819)
• ***Antheraea pernyi*** (Guérin-Méneville, 1855)
• ***Dictyoploca simla*** (Westwood, 1848)
• ***Hyalophora cecropia*** (Linnaeus, 1758)

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Family SPHINGIDAE

Note. Only *Agrius convolvuli* is resident in New Zealand.

• ***Agrius*** Hübner, [1819], p. 140. Type species *Sphinx cingulata* Fabricius, 1775, by subsequent designation (Tutt 1902, p. 353); America.

convolvuli Linnaeus, 1758, p. 490 (*Sphinx*)
Old World, Pacific.
New Zealand: intermittently resident, on *Convolvulus*, *Calystegia*, and *Ipomoea*.
Hudson 1898, pp. 99–100, pl. xiii fig. 1; 1928, p. 41, pl. vi fig. 16; as *Sphinx convolvuli*, after Meyrick (1917b, p. 271).

distans Butler, 1874a, p.30; 1874b, p. 4 (*Sphinx*, as variety of *convolvuli*, providing a name for "S. convolvuli var. γ" of Walker 1856b, pp. 213–214). Synonymised by Meyrick (1890, p. 213).
[Auckland AK], D. Bolton; ST series BMNH.
Hudson 1898, p. 99; 1928, p. 41; as *Protoparce distans*, as synonym.

• ***Daphnis*** Hübner, [1819], p. 134. Type species *Sphinx nerii* Linnaeus, by subsequent designation (Kirby 1892, p. 671).

placida placida Walker, 1856, p. 186 (*Darapsa*)
Sumatra.
New Zealand: one record from Auckland AK; the specimen is in AMNZ.

• ***Hippotion*** Hübner, [1819], p. 134. Type species *Sphinx celerio* Linnaeus, 1758; "Old World".

celerio Linnaeus, 1758, p. 491 (*Sphinx*)
Old World, Pacific.
New Zealand: vagrant, sporadic, non-establishing.
Hudson 1928, p. 42, pl. vi fig. 15, as *Deilephila celerio*, after Meyrick (1917b, p. 271).
Note. Buller (1905, p. 332) and Hudson (1905b, p. 359) give earliest records.

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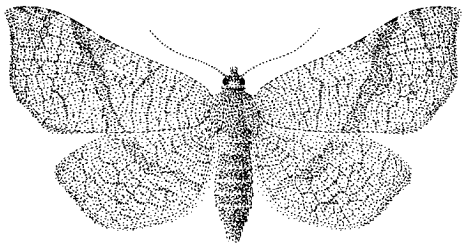
Superfamily THYRIDOIDEA
(in the sense of Minet 1983, p. 203)
Family THYRIDIDAE



Thyrididae
(173) *Morova subfasciata* Walker

Subfamily SICULINAE
(in the sense of Whalley 1971, p. 16)

• ***Morova*** Walker, 1865a, p. 523. Type species *Morova subfasciata* Walker, by original monotypy.

subfasciata Walker, 1865a, pp. 523–524 (*Morova*)
[Nelson NN], T.R. Oxley; HT ♀ unique, head missing, rest of body glued together, BMNH.
Hudson 1928, p. 206, pl. xxiv fig. 25 and 26.

gallicolens Butler, 1874, p. 46 (*Cacoecia*). Synonymised by Meyrick (§1883d, p. 531; 1884b, p. 108; 1913b, p. 46).
Christchurch MC, C.M. Wakefield; HT ♂ designated by Butler, BMNH.
Hudson 1928, p. 206, as synonym.
Note. *C. gallicolens* HT bears the accession label 74.13, registered as "Christchurch, C.M. Wakefield, sent to Albert Müller, type material of C. gallicolens Butler". Accession label 76.57 refers to additional material sent by Wakefield. The record by Meyrick (1886g, p. 216) of this species from Fiji is based on a misidentification.

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Superfamily PYRALOIDEA
Family PYRALIDAE
(in the sense of Minet 1981, p. 267)

Subfamily GALLERIINAE

• ***Achroia*** Hübner, [1819], p. 163. Type species *Bombyx cinereola* Hübner, [1803], pl. 23 fig. 91, by subsequent designation (Ragonot 1893, p. x, as *cinerola*).

grisella Fabricius, 1794, p. 289 (*Tinea*)
Cosmopolitan.
New Zealand: adventive; in beehives.
Hudson 1928, p. 157, pl. xix fig. 21, as *Meliphora grisella*.

• ***Galleria*** Fabricius, 1798, p. 419. Type species *Tinea cereana* Blom, 1764, by subsequent designation (Latreille 1810, p. 441, as *cereana* Fab.).

mellonella Linnaeus, 1758, p. 888 (*Tinea*)
Cosmopolitan.
New Zealand: adventive; in beehives.
Hudson 1928, p. 158, pl. li fig. 9.

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Subfamily PHYCITINAE
(in the sense of Munroe 1972, pp. 12–13)

• ***Crocydopora*** Meyrick, 1882b, pp. 158–159. Type species *Nephopteryx stenopterella* Meyrick, 1879, by original monotypy.

cinigerella Walker, 1866b, p. 1719 (*Nephopteryx*)
Swan River W.A., Richardson; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 156, pl. xix fig. 2, as *Crocydopora cinigerella*.

stenopterella Meyrick, 1879a, pp. 200–201 (*Nephopteryx*). Synonymised by Meyrick (1886f, p. 804).
"Sydney, Bowenfels and Newcastle" N.S.W., E. Meyrick; HT not located.
Hudson 1928, p. 156, as synonym.
Note. *C. cinigerella* probably occurs naturally in New Zealand.

Also 2 undescribed species (NZAC).

• ***Delogenes*** Meyrick, 1918a, p. 132. Type species *Delogenes limodoxa* Meyrick, by original monotypy.

limodoxa Meyrick, 1918a, p. 132 (*Delogenes*)
Waitati DN, C.E. Clarke (Hudson 1928, p. 157); LT ♂ here designated, labelled "Wellington New Zealand GVH. 2.17", "Delogenes limodoxa Meyrick 2/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 157, pl. xliv fig. 12, but illustration not patterned enough, and too blue.

• ***Ephestia*** in the sense of Kloet & Hincks (1972, p. 46), not Roesler (1966, pp. 104–160)

cautella Walker, 1863b, p. 73 (*Pempelia*)
Type locality "Ceylon" (Sri Lanka).
New Zealand: adventive; around human habitation, throughout.
Not mentioned by Hudson. Roesler 1966, pp. 134–135, fig. 21 and 43, in *Cadra* Walker.

elutella Hübner, 1796, pl. 24 fig. 103 (*Tinea*)
Type locality Europe.
New Zealand: adventive; around human habitation, throughout.
Hudson 1939, p. 418, not figured. Roesler 1966, pp. 130–131, fig. 18 and 40, in *Ephestia* Guenée.
Note. Philpott (1928a, p. 361) gives an early record.

kuehniella Zeller, 1879, p. 466 (*Ephestia*)
Europe.
New Zealand: adventive; around human habitation, throughout.
Hudson 1928, pp. 156–157, pl. xliv fig. 13. Corbet & Tams 1943, p. 68, fig. 58, 64, 112, and 149, as *Ephestia sericarium* not of Scott (1859, p. 207, pl. 61). Roesler 1966, pp. 126–127, fig. 15 and 37 (in *Anagasta* Heinrich, subgenus of *Ephestia*).

• ***Etiella*** Zeller, 1839, p. 179. Type species *Phycis zinckenella* Treitschke 1832, by monotypy.

behrii Zeller, 1848, p. 883 (*Phycis*) **new record**
Type locality Adelaide S.A. (Whalley 1973, p. 18).
New Zealand: adventive; 2 records, Auckland AK, January 1981, C.J. Green, and Opunake TK, April 1982, F. Chambers; not found again 1982–85 (NZAC).

• ***Homoeosoma*** of authors, not of Curtis (1833, p. 190. Type species *Phycis gemina* Haworth, 1811, by original monotypy; England, "Italia')'.

anaspila Meyrick, 1901, pp. 566–567 (*Homoeosoma*)
Christchurch MC, R.W. Fereday; LT ♀ here designated, labelled "Christchurch New Zealand RWF /86", "Homoeosoma anaspila Meyrick 1/4 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 157, as synonym of *vagella* of authors; 1939, p. 418, pl. lvi fig. 34, as species.

ischnomorpha Meyrick, 1931a, p. 94 (*Homoeosoma*)
Whangarei ND, S.C. Patterson; HT ♂ unique, BMNH.
Hudson 1939, p. 418, pl. lvi fig. 14.
Note. The status of *Homoeosoma* species in New Zealand requires evaluation.

• ***Oligochroa*** Ragonot, 1888, p. 20. Type species *Pempelia dionysia* Zeller, 1846, by original designation.

oculiferella Meyrick, 1879b, p. 222 (*Pempelia*)
[Morpeth N.S.W.], E. Meyrick; ST ♀ labelled "23/1/78", "SYNTYPE", "Pempelia oculiferella Meyr. 1/5 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1939, p. 417, pl. lvi fig. 19, as *Salebria sublignalis*.
Notes. The other ST ♀ is labelled "8/3/78". In his Diary of Captures, Meyrick records for 23 January 1878 "Morpeth ... Pempelia oculiferella, 1", and for 8 March 1878 "Randwick ... Pemp. mesonyctella, 1, Pemp. rufitinctella, 1". *Trachonitis sublignalis* Walker, 1863b, p. 41, from Sydney, is now a junior synonym of *Faveria laiasalis* Walker, 1859c, p. 889, and is distinct from *O. oculiferella*. Meyrick (1931a, p. 95) gives first records – Lake Rotomahana BP in 1915, and Whangarei ND [late 1920s].

• ***Patagoniodes*** Roesler, 1969, p. 254. Type species *Patagoniodes popescugorji* Roesler, by original designation.

farinaria Turner, 1904, p. 128 (*Homoeosoma*)
Tasmania, A.J. Turner; HT ♀ in ANIC.
Hudson 1928, p. 157, pl. xx fig. 11, as *Homoeosoma vagella*; 1939, p. 418, as *Homoeosoma farinaria*, after Philpott (1928g, p. 485). McQuillan & Ireson 1987, p. 240, as *Patagoniodes farinaria*.
Note. Probably occurs naturally in New Zealand; is vagrant on The Snares (D.S. Horning Jr, pers. comm.).

• ***Plodia*** Guenée, 1845, p. 318. Type species *Tinea interpunctella* Hübner, by original monotypy.

interpunctella Hübner, [1810–1813], pl. 45 fig. 310 (*Tinea*)
Europe.
New Zealand: adventive; around human habitation, throughout.
Hudson 1928, p. 156, pl. xlv fig. 7.
Note. Meyrick (1915a, p. 202) reports this species from Wellington WN, taken by Hudson.

• ***Sporophyla*** Meyrick, 1905, p. 224. Type species *Crocydopora oenospora* Meyrick, by original monotypy.

oenospora Meyrick, 1897b, p. 388 (*Crocydopora*)
Castle Hill MC, G.V. Hudson; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 156, pl. xix fig. 1, as *Sporophyla oenospora.*
Note. Hudson does not mention Castle Hill as a locality for this species. It is possible that the HT was collected by George Howes in Central Otago CO.

• Also 1 undescribed genus and species (NZAC).

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Subfamily PYRALINAE
(in the sense of Munroe 1972, pp. 12–14)

• ***Aglossa*** Latreille, 1796, p. 145. Type species *Phalaena Pyralis pinguinalis* Linnaeus, by subsequent monotypy (Latreille, [1802], p. 414).

caprealis Hübner, [1800–1809], pl. 23 fig. 153 (*Pyralis*)
Europe.
New Zealand: adventive; widespread around human habitation. Philpott (1931, pp. 29–30) gives early records, as *A. cuprealis.*

• ***Diplopseustis*** Meyrick, 1884e, p. 284. Type species *Cymoriza minima* Butler, 1881, by subsequent designation (Ragonot 1891, p. 520).

perieresalis Walker, 1859c, pp. 958–959 (*?Ambia*)
Sarawak, Borneo, Saunders; HT ♂ not seen, HCOE.
Hudson 1928, p. 205, pl. xxii fig. 44, as *Diplopseustis perieralis*, after Meyrick (1913c, p. 46).

minima Butler, 1881a, p. 684 (*Cymoriza*). Synonymised by Hampson (1896, p. 489).
Formosa (Taiwan); HT ♂, abdomen missing, BMNH.
Hudson 1928, p. 205, as synonym.

nana Warren, 1896a, p. 225 (*Sufetula*). Synonymised by Hampson (1896, p. 489).
Bombay, India; HT (?gender) in BMNH.

• ***Endotricha*** Zeller, 1847, p. 593. Type species *Pyralis flammealis* Denis & Schiffermüller, 1775, by original designation.

pyrosalis Guenée, 1854, pp. 219–220 (*Endotricha*)
"Australie, Nouvelle Hollande"; HT in MNHP.
Note. Philpott (1920, p. 44) records this species once, collected probably by A. Hamilton on Mt Dennan, Tararua Range WN. No other specimens have been reported.

• ***Gauna*** Walker, 1866a, p. 1252. Type species *Gauna subferralis* Walker, 1866a, p. 1253, by original monotypy.

aegusalis Walker, 1859c, p. 912 (*Pyralis*)
Moreton Bay Qld, Diggles; HT ♂ so labelled, BMNH.
Hudson 1939, p. 428, pl. lvi fig. 20, as *Gauna aegalis*, after Turner (1904, p. 185).
Note. Philpott (1931, p. 30) gives early records.

subferralis Walker, 1865, p. 1253 (*Gauna*). Synonymised by Hampson (1896, p. 486).

• ***Pyralis*** Linnaeus, 1758, p. 533; see Munroe (1972, p. 8). Type species *Pyralis farinalis* Linnaeus, by subsequent designation (ICZN 1957, p. 254).

farinalis Linnaeus, 1758, p. 533 (*Pyralis*)
Europe.
New Zealand: adventive; around human habitation, throughout. Meyrick (1885a, p. 346) reported it present in Christchurch MC.

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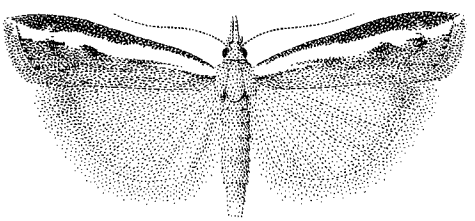
Family CRAMBIDAE
(in the sense of Minet 1981, pp. 267–268)

Subfamily CRAMBINAE
(in the sense of Munroe 1972, pp. 12–14)

• ***Angustalius*** Marion, 1954, pp. 42 and 50. Type species *Angustalius ditaeniellus* Marion, by original monotypy; Madagascar.

malacelloides Bleszinski, 1955, p. 229 (*Crambopsis*)
Tasmania, ?collector; HT ♂ designated by Bleszinski (1955, p. 230), IZWP.
Hudson 1939, p. 420, pl. lvi fig. 29, as *Crambus malacellus* [of authors]. Gaskin 1975, p. 346, fig. 22g and 83.
Note. First noted at Whangarei ND (Philpott, 1931, p. 26) in 1927; now generally distributed in lowland North Island localities.



Crambidae: Crambinae
(174) *Orocrambus flexuosellus* (Doubleday)

• ***Culladia*** Moore, 1886, p. 383. Type species *Araxes admigratella* Walker, 1863b, by original designation; Ceylon.

strophaea Meyrick, 1905, p. 226 (*Argyria*)
Wellington WN, G.V. Hudson; LT ♂ designated by Gaskin (1973, p. 451), BMNH.
Hudson 1928, p. 170, pl. xix fig. 35, as *Argyria strophaea*. Gaskin 1973, p. 451 (*Culladia*), fig. 19, 20, and 27.

• ***Gadira*** Walker, 1866b, p. 1742. Type species *Gadira acerella* Walker, by original monotypy.

Scenoploca Meyrick, §1882a, p. 186; 1883b, pp. 6 (key) and 9. Type species *Scenoploca petraula* Meyrick, by original monotypy. Synonymised by Gaskin (1973, p. 454).

Cryptomima Meyrick, §1882a, p. 186; 1883b, pp. 6 (key) and 8. Type species *Gadira acerella* Walker, by original monotypy. Synonymised by Gaskin (1973, p. 454).

acerella Walker, 1866b, p. 1742 (*Gadira*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1928, p. 176, pl. xxii fig. 29. Gaskin 1973, p. 457, fig. 3, 16, 21, and 28.

mahanga Felder & Rogenhofer, 1875, pl. cxxxvii fig. 27 (*Botys*). Synonymised by Meyrick (1883, p. 8).
Hudson 1928, p. 176, as synonym. Gaskin 1973, p. 457, as synonym, as "*mehanga*".
Note. Gaskin (1973, p. 454) wrongly ascribed *Botys* to Felder (1875); the reference is to *Botys* in the sense of Felder, not of Latreille (1802).

leucophthalma Meyrick, §1882a, p. 186; 1883b, p. 7 (*Thinasotia*; misspelling of *Thisanotia*)
[Lyttelton, on hills], Christchurch MC, E. Meyrick; LT ♂ designated by Gaskin (1973, p. 459), BMNH.
Hudson 1928, p. 172, pl. xxi fig. 35, as *Talis leucophthalma*. Gaskin 1973, pp. 459–460, fig. 17, 22, and 29.

petraula Meyrick, §1882a, p. 186; 1883b, pp. 9–10 (*Scenoploca*)
[Lyttelton, on hills], Christchurch MC, E. Meyrick; LT ♂ designated by Gaskin (1973, p. 460), BMNH.
Hudson 1928, p. 172, pl. xix fig. 34, as *Scenoploca petraula*. Gaskin 1973, pp. 460–462, fig. 18, 23, and 31.

• ***Glaucocharis*** Meyrick, 1938, p. 426. Type species *Glaucharis stella* Meyrick, by original monotypy.
Note. Gaskin (1985, p. 11) resurrected *Glaucocharis*, as referring to all New Zealand species previously placed (Gaskin 1971) in *Pareromene*, and gives a full synonymy of this widely distributed genus.

Pareromene Osthelder, 1941, p. 366. Type species by original designation *Pareromene rebeli* Osthelder, 1941 (= *Pareromene euchromiella* (Ragonot, 1895)); Mediterranean. Synonymised by Gaskin (1985, p. 11).

auriscriptella Walker, 1864b, p. 976 (*Eromene*)
[Auckland AK], D. Bolton; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 768), BMNH.
Hudson 1928, p. 175, pl. xix fig. 37, as *Diptychophora auriscriptella*. Gaskin 1971, fig. 1, 28, and 46, as *Pareromene auriscriptella*.

bipunctella Walker, 1866b, p. 1761 (*Eromene*)
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 175, pl. lii fig. 30; Gaskin 1971, p. 770, fig. 2, 29, and 47.

chrysochyta Meyrick, §1882a, p. 186; 1883b, pp. 11 (key) and 12 (*Diptychophora*)
[The Domain], Auckland AK, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 771), BMNH.
Hudson 1928, p. 173, pl. xix fig. 10, as *Diptychophora chrysochyta*. Gaskin 1971, pp. 771–772, fig. 3, 29 and 47, as *Pareromene chrysochyta*.

elaina Meyrick, §1882a, p. 187; 1883b, pp. 11 (key) and 17 (*Diptychophora*)
[Botanic Gardens], Wellington, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 773), BMNH.
Hudson 1928, p. 176, pl. xix fig. 31, as *Diptychophora elaina*. Gaskin 1971, pp. 773–774, fig. 4, 31, and 49, as *Pareromene elaina*.
Note. Gaskin gives the LT label date as 31/12/59; this should read 31/12/79.

epiphaea Meyrick, §1885a, p. 347; 1885f, p. 132 (*Diptychophora*)
Arthur's Pass NC/WD, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 776), BMNH.
Hudson 1928, p. 176, pl. xix fig. 40, as *Diptychophora epiphaea*. Gaskin 1971, pp. 776–777, fig. 5, 36, and 66, as *Pareromene epiphaea*.

harmonica Meyrick, 1888c, p. 71 (*Diptychophora*)
[Waitakere Range], Auckland AK, E. Meyrick, LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 779), BMNH.
Hudson 1928, p. 175, pl. xix fig. 38, as *Diptychophora harmonica*. Gaskin 1971, pp. 779–780, fig. 7, 30 and 48, as *Pareromene harmonica*.

helioctypa Meyrick, §1882a, p. 187; 1883b, pp. 11 (key) and 17 (*Diptychophora*)
Lake Wakatipu OL, R.W. Fereday; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 780), BMNH.
Hudson 1928, pp. 175–176, pl. xix fig. 39, as *Diptychophora helioctypa*. Gaskin 1971, pp. 780–782, fig. 8, 32, and 50, as *Pareromene helioctypa*.

holanthes Meyrick, §1885a, p. 347; 1885f, p. 131 (*Diptychophora*)
Otira Gorge WD, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 782), BMNH.
Hudson 1928, p. 175, pl. xix fig. 36, as *Diptychophora holanthes*. Gaskin 1971, pp. 782–783, fig. 9, 37, and 56, as *Pareromene holanthes*.
Note. LT has bright yellow forewings and dark hindwings; D.E. Gaskin (pers. comm.) notes that populations can vary in hindwing colour from dark to pale.

interrupta Felder & Rogenhofer, 1875, pl. cxxxv fig. 15 (*Crambus*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 173, pl. xix fig. 13, as *Diptychophora interrupta*. Gaskin 1971, pp. 792–793, fig. 10, 33, and 51, as *Pareromene interrupta*.

astrosema Meyrick, §1882a, p.186; 1883b, pp. 11 (key) and 13 (*Diptychophora*). Synonymised by Meyrick (§1885a, p. 347; 1885f, p. 130).
Christchurch MC, R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1928, p. 173, as synonym.

lepidella Walker, 1866b, p. 1761 (*Eromene*)
[Nelson NN], T.R. Oxley; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 794), BMNH.
Hudson 1928, p. 174, pl. xix fig. 14 and 15, as *Diptychophora lepidella*. Gaskin 1971, pp. 793–795, fig. 11, 34, and 52, as *Pareromene lepidella*.

gracilis Felder & Rogenhofer, 1875, pl. cxxxvii fig. 26 (*Crambus*). Synonymised by Meyrick (1883b, p. 14).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 174, as synonym.
Note. Butler (1877, p. 401) erroneously synonymised *gracilis* with *auriscriptella*.

leucoxantha Meyrick, §1882a, p. 186; 1883b, p. 15 (*Diptychophora*)
Lake Wakatipu OL, R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1928, p. 174, pl. xix fig. 16 and 17, as *Diptychophora leucoxantha*. Gaskin 1971, pp. 795–797, fig. 12, 27, and 45, as *Pareromene leucoxantha*.

metallifera Butler, 1877, p. 401 (*Eromene*)
[Dunedin DN], J. Hector; HT ♂ designated by Butler, BMNH.
Hudson 1928, p. 174, pl. xix fig. 32 and 33, as *Diptychophora metallifera*. Gaskin 1971, pp. 797–799, fig. 13, 35, and 53, as *Pareromene metallifera*.

microdora Meyrick, 1905, p. 227 (*Diptychophora*)
[Flora Saddle], Mount Arthur NN, E. Meyrick; LT ♀ selected by S. Bleszynski (Gaskin 1971, p. 799), BMNH.
Hudson 1928, p. 173, pl. xix fig. 12, as *Diptychophora microdora*. Gaskin 1971, pp. 799–801, fig. 14, 38, and 54, as *Pareromene microdora*.
Note. The gender of the LT is ♀, not ♂ as reported by Gaskin (1971, p. 799).

parorma Meyrick, 1924a, p. 202 (*Diptychophora*)
Mount Ruapehu TO, G.V. Hudson; LT ♂ selected by S. Bleszynski (Gaskin 1971, p. 801), BMNH.
Hudson 1928, p. 176, not figured, as *Diptychophora parorma*. Gaskin 1971, pp. 801–802, fig. 14, 40, and 57, as *Pareromene parorma*.

planetopa Meyrick, 1923, p. 162 (*Diptychophora*)
[Routeburn Valley], Lake Wakatipu OL, G.V. Hudson; HT ♀ unique, slide BM Pyral. 14269 (Gaskin 1974, p. 182), BMNH.
Hudson 1928, p. 174, pl. xlix fig. 19, as *Diptychophora planetopa*. Gaskin 1971, pp. 802–803, fig. 16 and 39 (♀ genitalia not figured); 1974, p. 182.

pyrsophanes Meyrick, §1882a, p. 186; 1883b, p. 11 (*Diptychophora*)
[Botanic Gardens], Wellington WN, E. Meyrick; LT ♀ selected by S. Bleszynski (Gaskin 1971, p. 803, as ♂; corrected, Gaskin 1974, p. 182), BMNH.
Hudson 1928, p. 173, pl. xix fig. 11, as *Diptychophora pyrsophanes*. Gaskin 1971, pp. 803–805, fig. 17, 41, and 58, as *Pareromene pyrsophanes*.

selenaea Meyrick, §1885a, p. 347; 1885f, p. 131 (*Diptychophora*)
Dunedin DN, A. Purdie; LT ♀ selected by P.E.S. Whalley (Gaskin 1971, p. 805, as ♂; corrected, Gaskin 1974, p. 182), BMNH.
Hudson 1928, pp. 174–175, pl. xix fig. 30, as *Diptychophora selenaea*. Gaskin 1971, pp. 805–806, fig. 18, 25, and 43, as *Pareromene selenaea*.

stella Meyrick, 1938, pp. 426–427 (*Glauchocharis*)
Orongorongo Valley WN, Stella Gibbs [Hudson]; HT ♂ unique, BMNH.
Hudson 1939, p. 428, pl. lxii fig. 10, in Scopariinae.

gurri Gaskin, 1971, pp. 777–778 (*Pareromene*). Synonymised by Gaskin (1985).
Tapu–Coroglen Road CL, J.S. Dugdale; HT ♂ designated by Gaskin, NZAC.
Gaskin 1971, fig. 6, 26, and 44.

• ***Kupea*** Philpott, 1930a, p. 247. Type species *Kupea electilis* Philpott, by original designation and monotypy.

electilis Philpott, 1930a, p. 247 (*Kupea*)
Birdling's Flat MC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 420, pl. lvi fig. 37 (recorded as ♀). Gaskin 1975, p. 345, fig. 22f and 25.
Note. Females of *K. electilis* were unknown to Philpott, Lindsay, and Hudson.

• ***Maoricrambus*** Gaskin, 1975, p. 344. Type species *Crambus oncobolus* Meyrick, by original designation.

oncobolus Meyrick, §1885a, p. 348; 1885f, p. 138 (*Crambus*)
Castle Hill [Basin] MC, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 344), BMNH.
Hudson 1928, p. 169, pl. xx fig. 35, as *Crambus oncobolus*. Gaskin 1975, pp. 344–345, fig. 24 ♂, 24 ♀, and 81, as *Maoricrambus oncobolus*.

oncolobus Hampson, 1895, p. 940, misspelling of *oncobolus* Meyrick.

• ***Orocrambus*** Purdie, 1884, p. 168 (no generic description). Type species by original monotypy *Orocrambus melampetrus* (Meyrick MS.) Purdie, 1884, p. 168; available name according to Bleszynski & Collins (1962, p. 329) and Gaskin (1975, p. 277).
Note. This Meyrick manuscript name and the specific epithet were made nomenclaturally available by Purdie before their publication by Meyrick.

Orocrambus Meyrick, §1885a, p. 347; 1885f, p. 133. Type species by original monotypy *Orocrambus melampetrus* Meyrick. Available name according to Meyrick (1885f, p. 133; 1913b, p. 32) but regarded as a synonym by Gaskin (1975, p. 277), and as a junior homonym by Fletcher & Nye (1984, p. 107).
Note. Hampson did not ascribe *Orocrambus* to Purdie, and Purdie did not "use details from an abstract", he used the binomen Meyrick had attached to a specimen (since lost) then in OMNZ, and lacking a locality label (cf. Gaskin 1975, p. 277).

abditus Philpott, 1924a, p. 212 (*Crambus*)
Otarama MC, S. Lindsay; HT ♀ designated by Philpott, CMNZ.
Hudson 1928, p. 167, pl. 1 fig. 18, as *Crambus abditus*. Gaskin 1975, p. 301, fig. 3a, 11a, and 29, as *Orocrambus abditus*.

aethonellus Meyrick, §1882a, p. 187; 1883b, p. 19 (*Crambus*)
Mount Hutt MC, R.W. Fereday; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 301), BMNH.
Hudson 1928, p. 162, not figured, as *Crambus aethonellus*. Gaskin 1975, pp. 301–302, fig. 3b, 11b, 30, and 31, as *Orocrambus aethonellus*.

antimorus Meyrick, 1901, p. 567 (*Crambus*). Synonymised by Gaskin (1975, p. 301).
Mount Cook MK, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 161, pl. xix fig. 23, as *Crambus antimorus*.

heteranthes Meyrick, 1901, p. 568 (*Crambus*). Synonymised by Gaskin (1975, p. 301).
Mount Cook MK, G.V. Hudson; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 301), BMNH.
Hudson 1928, p. 161, pl. xix fig. 7, as *Crambus heteranthes*.

saristes Meyrick, 1909a, p. 8 (*Crambus*). Synonymised by Gaskin (1975, p. 301).
Invercargill SL, A. Philpott; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 302), BMNH.
Hudson 1928, p. 162, pl. xlv fig. 18, as *Crambus saristes*.

aulistes Meyrick, 1909a, p. 9 (*Crambus*). Synonymised by Gaskin (1975, p. 301).
Invercargill SL, "Hudson" [?Howes]; HT ♂ unique, BMNH.
Hudson 1928, p. 162, as *Crambus aulistes*.
Note. Hudson (1928) states "I am unacquainted with this species".

meristes Meyrick, 1919, p. 351 (*Crambus*). Synonymised by Gaskin (1975, p. 301).
Longwood Range SL, A. Philpott; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 302), BMNH.
Hudson 1928, p. 162, not figured, as *Crambus meristes*.

meritus Philpott, 1929b, p. 496 (*Crambus*); misspelling of *meristes* Meyrick (Gaskin 1975, p. 301).

angustipennis Zeller, 1877, p. 15 (*Chilo*)
[locality uncertain, probably Christchurch MC], H.G. Knaggs; HT ♀ unique, BMNH.
Hudson 1928, p. 163, pl. xx fig. 38, as *Crambus angustipennis*, after Meyrick (§1882a, p. 187; 1883b, p. 22). Gaskin 1975, p. 303, fig. 3d (as 3c), 11c, and 32, as *Orocrambus angustipennis*.
Note. Gaskin (1987) corrects this typographic error; his fig. 3c shows ♂ genitalia of *apicellus*.

apicellus Zeller, 1863, p. 31 (*Crambus*)
"Neu Seeland"; original material lost (Gaskin 1975, p. 304), NHMW.
Hudson 1928, p. 167, pl. xx fig. 20, as *Crambus apicellus*. Gaskin 1975, p. 304, fig. 3c (as 3d), 11d, and 33, as *Orocrambus apicellus*.
Note. Gaskin (1987) corrects this typographic error; his fig. 3d shows ♂ genitalia of *angustipennis*.

callirrhous Meyrick, §1882a, p. 187; 1883b, pp. 19 (key) and 24 (*Crambus*)
Lake Guyon MB/BR, R.W. Fereday; LT ♂ designated by Gaskin (1975, p. 305), CMNZ.
Hudson 1928, p. 165, pl. xx fig. 34, as *Crambus callirrhous*. Gaskin 1975, p. 305, fig. 3e, 11e, and 34, as *Orocrambus callirrhous*.

schedias Meyrick, 1911b, p. 60 (*Crambus*). Synonymised by Gaskin (1975, p. 305).
Wellington WN, G.V. Hudson; HT ♂ unique (Gaskin 1975, p. 305), BMNH.
Hudson 1928, p. 166, pl. xx fig. 33, as *Crambus schedias*.

callirhous Bleszynski & Collins, 1962, p. 258, misspelling of *callirrhous*.

catacaustus Meyrick, §1885a, p. 347; 1885f, p. 134 (*Crambus*)
Arthur's Pass NC/WD, R.W. Fereday; LT ♂ designated by Gaskin (1975, p. 305), BMNH.
Hudson 1928, p. 159, pl. xx fig. 25. Gaskin 1975, pp. 305–306, fig. 4a, 11f, and 35.

pervius Meyrick, 1912c, p. 118 (*Orocrambus*). Synonymised by Gaskin (1975, p. 305).
Lake Wakatipu OL, G.V. Hudson; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 305), BMNH.
Hudson 1928, p. 159, pl. xx fig. 24, as species.

clarkei clarkei Philpott, 1930b, p. 3, line 20 (*Orocrambus*; as species)
Mount Moltke, Franz Josef WD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, pp. 418–419, pl. lvi fig. 6, as species. Gaskin 1975, pp. 306–307, fig. 4b and 36.

nebulosa Philpott, 1930b, p. 3, line 1 (*Tauroscopa*). Synonymised by Gaskin (1975, p. 306).
Minaret Peaks OL, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 421, pl. lvi fig. 5, as *Tauroscopa nebulosa.*

clarkei eximia Salmon, 1946, p. 6 (*Tauroscopa*; as species)
Homer Cirque FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Hudson 1950, p. 100, pl. vii fig. 4, as *Tauroscopa eximia.* Gaskin 1975, p. 307, fig. 4b, 12a, and 37, as *Orocrambus clarkei eximia.*

corruptus Butler, 1877, p. 399 (as *Hypochalcia corrupta*)
[Dunedin DN or mid Canterbury MC], J. Hector or J.D. Enys; HT ♂ designated by Butler, BM Pyral. slide 5567, BMNH.
Hudson 1928, p. 161, pl. xx fig. 1, as *Crambus corruptus.* Gaskin 1975, p. 308, fig. 4c, 12b, and 38, as *Orocrambus corruptus.*

luridus Hudson, 1923a, p. 64 (*Crambus*). Synonymised by Hudson (1928, p. 161).
Taylor's Mistake, Banks Peninsula MC, C.E. Clarke; ST ♂ and ♀ not located.
Hudson 1928, p. 161, as synonym.
Note. The month of capture (August) is unusual.

crenaeus Meyrick, §1885a, p. 348; 1885f, pp. 135–136 (*Crambus*)
Arthur's Pass NC/WD, E. Meyrick; LT ♂ designated by Gaskin (1975, p. 308), CMNZ.
Hudson 1928, p. 165, pl. xx fig. 9, as *Crambus crenaeus.* Gaskin 1975, pp. 308–309, fig. 4d and 39, as *Orocrambus crenaeus,* ♂; 1987, p. 114, fig. 1, 2, and 5, ♀.

diplorrhous Meyrick, §1885a, p. 348; 1885f, pp. 136–137 (*Crambus*). Synonymised by Gaskin (1975, p. 308).
[Ben Lomond] OL, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 308), BMNH.
Hudson 1928, p. 164, pl. xx fig. 19, as *Crambus diplorrhous.*

cultus Philpott, 1917b, p. 242 (*Orocrambus*)
Cecil Peak OL, M.O. Pasco; PT ♀ labelled "2143", "Cecil Pk 8.1.14", "Lectotype Orocrambus cultus Philpott 1916 label 7.1.81. B. Patrick rediscovered", "Paratype ♀ Orocrambus cultus Philpott, rediscovered by B. Patrick 7.1.81 x Southland Museum", NZAC.
Hudson 1928, p. 160, pl. xliv fig. 10. Gaskin 1975, p. 309, not seen.
Note. PT ♀ is the only remaining member of the ST series, and was rescued from an old public display cabinet in the Southland Museum by Mr B. Patrick. Neither he nor I could locate the other ♀ and 2 ♂♂ of the type series, and Mr Patrick considers that they had disintegrated during the years the material was on display.

cyclopicus Meyrick, §1882a, p. 187; 1883b, pp. 19 (key) and 29 (*Crambus*)
[Lyttelton, on hills] MC, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 309), BMNH.
Hudson 1928, p. 169, pl. xx fig. 44, as *Crambus cyclopicus.* Gaskin 1975, pp. 309–311, fig. 4e, 12c, 18c, 19d, and 40, as *Orocrambus cyclopicus.*

sophistes Meyrick, 1905, p. 226 (*Crambus*). Synonymised by Gaskin (1975, p. 309).
[Ida Valley CO], J.H. Lewis; HT ♂ unique, BMNH.
Hudson 1928, p. 169, pl. xix fig. 24, as species.

dicrenellus Meyrick, §1882a, p. 187; 1883b, pp. 19 (key) and 22 (*Crambus*)
Mount Hutt MC, R.W. Fereday; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 312), BMNH.
Hudson 1928, p. 164, pl. xx fig. 18 ♂ (not ♀ as captioned), as *Crambus dicrenellus.* Gaskin 1975, p. 312, fig. 4f and 41, as *Orocrambus dicrenellus.*

enchophorus Meyrick, §1885a, p. 348; 1885f, p. 136 (*Crambus*)
Castle Hill [Basin] MC, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 312), BMNH.
Hudson 1928, p. 165, pl. xx fig. 16, as *Crambus enchophorus.* Gaskin 1975, pp. 312–314, fig. 5a, 12d, 18d, 19e, and 42, as *Orocrambus enchophorus.*

pedias Meyrick, §1885a, p. 348; 1885f, p. 37 (*Crambus*). Synonymised by Gaskin (1975, p. 312).
Wanganui WI, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 312), BMNH.
Hudson 1928, p. 166, pl. xx fig. 32, as species.

scitulus Philpott, 1926a, p. 390 (*Crambus*). Synonymised by Gaskin (1975, p. 312).
Mount Arthur NN, 4000 ft, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 165, pl. li fig. 23, as species.

ephorus Meyrick, §1885a, p. 348; 1885f, p. 135 (*Crambus*)
Arthur's Pass NC/WD, 4800 ft, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 163, pl. xlviii fig. 17, as *Crambus ephorus.* Gaskin 1975, p. 314, fig. 5b, 12e, and 43, as *Orocrambus ephorus.*

corylana Clarke, 1926, p. 417 (*Crambus*). Synonymised by Gaskin (1975, p. 314).

Mount Ida CO, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, p. 163, not figured, as *Crambus corylanus*. Gaskin 1975, p. 314, as synonym.

flexuosellus Doubleday, 1843, p. 289 (*Crambus*)
"New Zealand", E. Dieffenbach; ST ♂ labelled "New Zealand 42-55", BMNH.
Hudson 1928, p. 168, pl. xx fig. 31, as *Crambus flexuosellus*. Gaskin 1975, pp. 314–317, fig. 5c, 12f, 18e, 19f, and 44, as *Orocrambus flexuosellus*.

fugitivellus Hudson, 1950, p. 99 (*Crambus*)
"Mackenzie Country" MK, R. Dick; HT ♂ unique, NMNZ.
Hudson 1950, p. 99, pl. iv fig. 2, as *Crambus fugitivellus*. Gaskin 1975, p. 317, fig. 5d and 45.

haplotomus Meyrick, §1882a, p. 187; 1883b, pp. 19 (key) and 23 (*Crambus*)
Lake Wakatipu OL, R.W. Fereday; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 317), abdomen missing, BMNH.
Hudson 1928, p. 165, pl. xx fig. 7, as *Crambus haplotomus*. Gaskin 1975, pp. 317–318, fig. 5e, 13a, and 46, as *Orocrambus haplotomus*.

harpophorus §Meyrick, 1882a, p. 187; 1883b, pp. 19 (key) and 30 (*Crambus*)
Lake Wakatipu OL, R.W. Fereday; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 318), BMNH.
Hudson 1928, p. 169, pl. xx fig. 36, as *Crambus harpophorus*. Gaskin 1975, p. 318, fig. 5f, 13b, and 47.

heliotes Meyrick, 1888c, p. 68 (*Crambus*)
Mount Arthur NN, 3800 ft, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 319), BMNH.
Hudson 1928, p. 161, pl. xix fig. 5 and 6, as *Crambus heliotes*. Gaskin 1975, p. 319, fig. 6a, 13c, and 48, as *Orocrambus heliotes*.

heteraulus Meyrick, 1905, p. 225 (*Crambus*)
Humboldt Range OL, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 164, pl. xx fig. 37, as *Crambus heteraulus*. Gaskin 1975, p. 320, fig. 6b, 13d, and 49, as *Orocrambus heteraulus*.

horistes Meyrick, 1902c, p. 276 (*Crambus*)
Chatham Island, J. Fougere; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 320), BMNH.
Hudson 1928, p. 168, not figured, as *Crambus horistes*. Gaskin 1975, pp. 320–321, fig. 6c, 13e, and 50, as *Orocrambus horistes*.

isochytus Meyrick, 1888c, p. 68 (*Crambus*)
Mount Arthur NN, 4300 ft, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 321), BMNH.
Hudson 1928, p. 164, pl. xx fig. 10, as *Crambus isochytus*. Gaskin 1975, p. 321, fig. 6d, 13f, and 51, as *Orocrambus isochytus*.

jansoni Gaskin, 1975, p. 322 (*Orocrambus*)
Waiouru TO, D.E. Gaskin; HT ♂ designated by Gaskin, NZAC.
Gaskin 1975, p. 322, fig. 6e, 14a, and 52.

lectus Philpott, 1929a, p. 301 (*Crambus*)
Lake Tekapo MK, A. Philpott; HT ♂ designated by Philpott, tip of abdomen missing, NZAC.
Hudson 1939, p. 419, pl. lvi fig. 17, as *Crambus lectus*. Gaskin 1975, pp. 322–323, fig. 6f, 14b, and 53, as *Orocrambus lectus*.

lewisi Gaskin, 1975, p. 323 (*Orocrambus*)
Titahi Bay WN, G.V. Hudson; HT ♂ designated by Gaskin, NMNZ.
Gaskin 1975, pp. 323–324, fig. 7a, 14c, and 54.

lindsayi Gaskin, 1975, p. 324 (*Orocrambus*)
Mount Ida CO, C.E. Clarke; HT ♀ designated by Gaskin, AMNZ.
Gaskin 1975, p. 324, fig. 14d, 20d, and 55.

machaeristes Meyrick, 1905, p. 224 (*Orocrambus*)
Mount Earnslaw OL, G.V. Hudson; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 324), BMNH.
Hudson 1928, p. 160, pl. xx fig. 22. Gaskin 1975, pp. 324–325, fig. 7b, 14e, and 56.

melampetrus Purdie, 1884, p. 168 (*Orocrambus*)
Mount Bonpland OL, A. Purdie; 4 STs (?gender) lost, OMNZ.
Gaskin 1975, p. 325, fig. 7c, 14f, and 57.

melampetrus Meyrick, §1885a, p. 347; 1885f, p. 133 (*Orocrambus*). Synonymised by Gaskin (1975, p. 325).
Mount Hutt MC, R.W. Fereday; LT ♂ here designated, labelled "Mt Hutt New Zealand RWF /80", BMNH.
Hudson 1928, p. 158, pl. xx fig. 26.

melitastes Meyrick, 1909a, p. 9 (*Crambus*)
Invercargill SL, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 326), BMNH.
Hudson 1928, p. 162, pl. xix fig. 8 and 9, as *Crambus melitastes*. Gaskin 1976, p. 326, fig. 7d, 15a, 58, and 59.

mylites Meyrick, 1888c, p. 67 (*Orocrambus*)
Mount Arthur NN, 4000 ft, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 326), BMNH.
Hudson 1928, p. 158, pl. xx fig. 23. Gaskin 1975, pp. 326–327, fig. 7e, 15b, and 60.

oppositus Philpott, 1915, p. 197 (*Crambus*)
Mount Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 164, pl. xliv fig. 1 and 2, as *Crambus oppositus*. Gaskin 1975, p. 327, fig. 7f, 15c, and 61.

ordishi Gaskin, 1975, p. 327 (*Orocrambus*)
Hinds MC, C.E. Clarke; HT ♂ designated by Gaskin, AMNZ.
Gaskin 1975, pp. 327–328, fig. 8a, 15d, and 62.

ornatus Philpott, 1927d, p. 82 (*Crambus*)
Golden Downs NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, pp. 419–420, pl. lvi fig. 28, as *Crambus ornatus*. Gaskin 1975, p. 328, fig. 8b and 63, as *Orocrambus ornatus*.

paraxenus Meyrick, §1885a, p. 348; 1885f, p. 137 (*Crambus*)
[Ben Lomond] OL, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 329), BMNH.
Hudson 1928, p. 167, pl. xx fig. 17, as *Crambus paraxenus*. Gaskin 1975, p. 329, fig. 8c and 64.

philpotti Gaskin, 1975, pp. 329–330 (*Orocrambus*)
Iron Hill, [Cobb Valley] NN, 4700–5000 ft, J.S. Dugdale; HT ♂ designated by Gaskin, NZAC.
Gaskin 1975, pp. 329–330, fig. 8d, 15e, and 65 [specimen from Mount Cedric, BR].

punctellus Hudson, 1950, p. 99 (*Crambus*)
Portobello DN, W.G. Howes; HT ♀ unique, NMNZ.
Hudson 1950, p. 99, pl. vii fig. 10 (as ♂), as *Crambus punctellus*. Gaskin 1975, p. 330, fig. 15f and 66.

ramosellus Doubleday, 1843, p. 288 (*Crambus*)
"New Zealand", E. Dieffenbach; LT ♂ here designated, labelled "New Zealand 42-55", abdomen missing, BMNH.
Hudson 1928, p. 163, pl. xx fig. 29 and 30, as *Crambus ramosellus*. Gaskin 1975, pp. 330–331, fig. 8e, 16a, and 67, as *Orocrambus ramosellus*.

rangona Felder & Rogenhofer, 1875, pl. cxxxvii fig. 25 (*Crambus*). Synonymised by Meyrick (1883b, p. 21).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 163, as synonym.

leucanialis Butler, 1877, p. 401 (*Chilio*). Synonymised by Meyrick (1885, p. 139).
[Dunedin DN or Christchurch MC], J. Hector or J.D. Enys; HT ♂ designated by Butler (as "Type"), BMNH.
Hudson 1928, p. 163, as synonym.

apselias Meyrick, 1907c, p. 109 (*Crambus*). Synonymised by Gaskin (1975, p. 330).
Invercargill SL, G.V. Hudson [?W.G. Howes]; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 331), BMNH.
Hudson 1928, p. 162, pl. xx fig. 13, as *Crambus apselias*.

scoparioides Philpott, 1914, p. 119 (*Orocrambus*)
Ben Lomond OL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 160, pl. xlv fig. 1. Gaskin 1975, pp. 332–333, fig. 8f, 16b, and 68.

scutatus Philpott, 1917b, pp. 242–243 (*Crambus*)
Longwood Range SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 164, pl. xliv fig. 3, as *Crambus scutatus*. Gaskin 1975, p. 333, fig. 9a and 69, ♂; 1987, p. 117, fig. 3, 4, and 6, ♀.

simplex Butler, 1877, p. 400 (*Chilo*)
[Nelson NN], T.R. Oxley; HT ♂ here recognised, labelled "60-73 Auckland N. Zeal.", "Chilo simplex Butler Type", "Pyralidae B.M. 5562", BMNH.
Hudson 1928, p. 166, pl. xx fig. 14 and 15, as *Crambus simplex*. Gaskin 1975, pp. 333–335, fig. 9b, 16c, and 70, as *Orocrambus simplex*.
Note. Data on *simplex* type material provided by BMNH for Gaskin were mixed, and this is an example of the confusion generated when the reviser is unable to see the types. Butler (1877, pp. 400–401) clearly states: "I have taken the description from an example previously in the Museum Collection from Auckland [Nelson, in this instance] and which Walker had confounded with *Crambus vitellus* of Doubleday". The specimen bearing Butler's type designation, and the accession number 60-73 ["Auckland, New Zealand, Oxley"] is therefore the HT, as it is the specimen on which Butler said he based his description.

siriellus Meyrick, §1882a, p. 187; 1883b, pp. 19 (key) and 25–26 (*Crambus*)
[heath-like scrub and swamp], Hamilton WO, E. Meyrick; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 335), BMNH.
Hudson 1928, pp. 166–167, pl. xx fig. 28, as *Crambus siriellus*. Gaskin 1975, p. 335, fig. 9c, 16d, and 71, as *Orocrambus siriellus*.

sophronellus Meyrick, §1885a, p. 348; 1885f, p. 138 (*Crambus*)
?Christchurch MC, R.W. Fereday; HT ♀ unique, BMNH.
Hudson 1928, p. 169, pl. xx fig. 43, as *Crambus sophronellus*. Gaskin 1975, pp. 335–336, fig. 16e, as *Orocrambus sophronellus*.

thymiastes Meyrick, 1901, p. 567 (*Orocrambus*)
Invercargill SL, A. Philpott; LT ♀ selected by S. Bleszynski (Gaskin 1975, p. 336), BMNH.
Hudson 1928, p. 159, pl. xx fig. 21. Gaskin 1975, p. 336, fig. 9d, 16f, and 72.

tritonellus Meyrick, §1885a, p. 347; 1885f, pp. 134–135 (*Crambus*)
Porter's Pass MC, J.D. Enys; HT ♀ unique, BMNH.
Hudson 1928, p. 160, pl. xx fig. 27, as *Orocrambus tritonellus*, after Meyrick (1913, p. 33). Gaskin 1975, pp. 336–337, fig. 9e, 18a, and 73.

tuhualis Felder & Rogenhofer, 1875, pl. cxxxvii fig. 18 (*Crambus*)
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1928, p. 168, pl. xx fig. 8, as *Crambus tuhualis*.

Gaskin 1975, pp. 337–338, fig. 9f, 17b, and 74, as *Orocrambus tuhualis*.

thrincodes Meyrick, 1910a, pp. 64–65 (*Crambus*). Synonymised by Philpott (1926a, p. 391).
Kaitoke WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 168, as synonym.
Note. Meyrick (1911b, pp. 64–65) redescribed *thrincodes* as a new species apparently on the same specimen, as the Hudson–Meyrick correspondence mentions only one specimen.

ventosus Meyrick, 1920a, p. 30 (*Orocrambus*)
Mount Arthur NN, 4200 ft, [Stella] Hudson; LT ♂ selected by S. Bleszynski and here designated (cf. Gaskin 1975, p. 338), labelled "Mt Arthur New Zealand GVH 4200' 1.18", BMNH.
Hudson 1928, p. 159, pl. xlviii fig. 15 and 16. Gaskin 1975, p. 338, fig. 10a, 17c, and 75.
Note. Gaskin's action in selecting a NMNZ specimen as LT was incorrect (see ICZN Article 75 (a) (i), p. 81), as there is no proof that Meyrick had those specimens before him when he wrote the description. Bleszynski's lectotype designation is here upheld, on the reasonable assumption that the 2 specimens in the Meyrick Collection (now in BMNH) are those 2 specimens (Meyrick 1920, p. 30) on which Meyrick's description is based.

vittellus Doubleday, 1843, p. 289 (*Crambus*)
[Auckland AK], A. Sinclair; 2 ST ♂♂ labelled ".55", one without abdomen, one lacking labial palpi, BMNH.
Hudson 1928, pp. 167–168, pl. xx fig. 2–4, as *Crambus vittellus*. Gaskin 1975, pp. 339–341, fig. 10b, 17d, 22e, 76, and 77, as *Orocrambus vittellus*.

nexalis Walker, 1863b, p. 178 (*Crambus*). Synonymised by Meyrick (1883b, p. 27).
[Nelson NN], T.R. Oxley; LT ♀ selected by S. Bleszynski (Gaskin 1975, p. 339), BMNH.
Hudson 1928, p. 167, as synonym.

transcissalis Walker, 1863b, p. 178 (*Crambus*). Synonymised by Meyrick (1883b, p. 27).
[Auckland AK], A. Sinclair; HT ♂ unique, BMNH.
Hudson 1928, p. 167, as synonym.

sublicellus Zeller, 1863, p. 31 (*Crambus*). Synonymised by Meyrick (1883b, p. 27).
[New Zealand], lost; NT selected by S. Bleszynski (the same specimen as his NT for *vitellus*, but this disregarded by Gaskin 1975, p. 340), BMNH.
Hudson 1928, p. 167, as synonym.

bisectellus Zeller, 1863, p. 32 (*Crambus*). Synonymised by Meyrick (1883b, p. 27).
[New Zealand], lost; Castle Hill MC, E. Meyrick; NT ♂ selected by S. Bleszynski, labelled "Castle Hill, 18/1/83", BMNH.

incrassatellus Zeller, 1863, p. 32 (*Crambus*). Synonymised by Meyrick (1883b, p. 27).
[New Zealand], Hugel; HT ♀ unique, abdomen missing, NHMW.
Hudson 1928, p. 167, as synonym.

rapidus Butler, 1877, p. 399 (*Crambus*). Synonymised by Meyrick (1883b, p. 27).
[Dunedin DN], J. Hector; ST ♀ labelled "77.34" (Gaskin 1975, p. 339), abdomen missing, BMNH.
Hudson 1928, p. 167, as synonym.

conopias Meyrick, 1907c, p. 109 (*Crambus*). Synonymised by Gaskin (1975, p. 339).
Ida Valley CO, J.H. Lewis; HT ♀ unique, BM genitalia slide no. Pyral 5634, BMNH.
Hudson 1928, p. 163, not figured, as *Crambus conopias*. Gaskin 1975, p. 339, as synonym.
Note. HT *conopias* bears the Meyrick label "Dunedin ... GVH 05", but Hudson (1928, p. 163) points out the actual collector and locality.

vulgaris Butler, 1877, p. 400 (*Crambus*)
[?Dunedin DN or Castle Hill MC], J. Hector or J.D. Enys; HT ♂ designated by Butler, but see Gaskin (1975, p. 342, information at end of 'Type Data' section), BMNH.
Hudson 1928, pp. 168–169, pl. xx fig. 39, as *Crambus vulgaris*. Gaskin 1975, pp. 342–343, fig. 10c, 17e, 78, and 79, as *Orocrambus vulgaris*.
Note. Meyrick (1883b, p. 28; 1913b, p. 35) synonymised *vulgaris* with his concept of *tuhualis* Felder & Rogenhofer.

obstructus Meyrick, 1911a, p. 82 (*Crambus*). Synonymised by Gaskin (1975, p. 342).
[blown into train], Lumsden OL/SL, G.B. Longstaff; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 342), BMNH.
Hudson 1928, p. 167, pl. xx fig. 5, as *Crambus obstructus*.

xanthogrammus Meyrick, §1882a, p. 187; 1883b, pp. 19 (key) and 32–33 (*Crambus*)
Lake Coleridge MC, R.W. Fereday; LT ♂ selected by Gaskin (1975, p. 343), BMNH.
Hudson 1928, p. 170, pl. xx fig. 6, as *Crambus xanthogrammus*. Gaskin 1975, pp. 343–344, fig. 10d, 17f, and 80, as *Orocrambus xanthogrammus*.

• ***Tauroscopa*** Meyrick, 1888c, p. 69. Type species *Tauroscopa gorgopis* Meyrick, by original monotypy.

gorgopis Meyrick, 1888c, pp. 69–70 (*Tauroscopa*)
Mount Arthur NN, G.V. Hudson; HT ♂ unique (Gaskin 1973, p. 445), BMNH.
Hudson 1928, p. 171, pl. xix fig. 42. Gaskin 1973, pp. 445–446, fig. 1, 8, and 13.

howesi Philpott, 1928a, p. 361 (*Tauroscopa*). Synonymised by Gaskin (1973, p. 445).
Obelisk, Old Man Range CO, W.G. Howes; HT ♂ designated by Philpott (Gaskin 1973, p. 445), NZAC.
Hudson 1939, p. 421, pl. lxii fig. 21, as species. Gaskin 1975, fig. 24.

notabilis Philpott, 1923, p. 149 (*Tauroscopa*)
Mount Peel NN, H. Hamilton; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 171, pl. 1 fig. 19. Gaskin 1973, fig. 9, 14, and 25.

trapezitis Meyrick, 1905, p. 227 (*Tauroscopa*)
Mount Earnslaw OL, G.V. Hudson; HT ♂ unique (Gaskin 1973, p. 448), BMNH.
Hudson 1928, p. 171, pl. xix fig. 41. Gaskin 1973, pp. 448–449, fig. 10, 15, and 26.

• ***Tawhitia*** Philpott, 1931, pp. 26–28. Type species *Tauroscopa glaucophanes* Meyrick, by original designation.

Velasquez Bleszynski, 1962, p. 14. Type species *Crambus pentadactylus* Zeller, by original designation.

glaucophanes Meyrick, 1907c, pp. 109–110 (*Tauroscopa*)
Lake Wakatipu OL, G.V. Hudson; LT ♂ selected by S. Bleszynski (Gaskin 1975, p. 348), BMNH.
Hudson 1928, pp. 171–172, pl. xx fig. 45 and 46, pl. xlviii fig. 5. Gaskin 1975, pp. 348–349, fig. 22i, 26, 27♂,♀, and 84–86.

leonina Philpott, 1931, p. 28 (*Tawhitia*). Synonymised by Gaskin (1975, p. 348).
Takitimu Mountains SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 421, pl. lxi fig. 15, as species.

pentadactyla Zeller, 1863, p. 32 (*Crambus*)
[Christchurch MC], H.G. Knaggs; HT ♂ unique, BMNH.
Hudson 1928, pp. 170–171, pl. xx fig. 48, as *Argyria pentadactyla*. Gaskin 1975, pp. 349–350, fig. 28♂,♀ and 87, as *Tawhitia pentadactyla*.

claviferella Walker, 1886b, pp. 1546–1547 (*Aquita*). Synonymised by Meyrick (1913, p. 35).
Tasmania, Allport; HT ♂ unique, BMNH.
Hudson 1928, p. 170, as synonym.

strigosus Butler, 1877, pp. 398–399 (*Aphomia*). Synonymised (with *claviferella*) by Meyrick (1888c, p. 69).
[Dunedin DN], J. Hector; HT ♂ ?unique, BMNH.
Hudson 1928, p. 170, as synonym.

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Subfamily MUSOTIMINAE
(in the sense of Minet 1981, p. 269)

• ***Musotima*** Meyrick, 1884c, pp. 288–289. Type species *Diathrausta aduncalis* Felder & Rogenhofer, by subsequent designation (Hampson 1896, p. 199).

aduncalis Felder & Rogenhofer, 1875, pl. cxxxv fig. 11 (*Diathrausta*?)
[Nelson NN, T.R. Oxley]; HT ♂ unique, head and abdomen missing, BMNH.
Hudson 1928, p. 177, pl. xix fig. 19 and 20, as *Musotima aduncalis*, after Meyrick (1884e, p. 289).

nitidalis Walker, 1866a, pp. 1317–1318 (*Isopteryx*)
"Australia", Damel; HT ♂ unique, forewings and head missing, abdomen in gelatin capsule, BMNH.
Hudson 1928, pp. 177–178, pl. xix fig. 18, as *Musotima nitidalis*, after Meyrick (1884e, p. 290).

timaralis Felder & Rogenhofer, 1875, pl. cxxxv fig. 23 (*Diathrausta*). Synonymised by Meyrick (1884e, p. 290).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 177, as synonym.

Also 1 Australian species establishing sporadically in AK.

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Subfamily NYMPHULINAE
(in the sense of Minet 1985a, p. 84)

• ***Hygraula*** Meyrick, §1885a, p. 347; 1885f, p. 129. Type species *Paraponyx nitens* Butler, by original monotypy.
Note. Lange (1956, pp. 65, 66, 68, and 94) regards *Hygraula* as separate from *Parapoynx* [*sic*] Hübner (type species *Tinea stratiotata* Linnaeus, by subsequent designation of Guenée 1854, p. 269), but showing a probable relationship.

nitens Butler, 1880, p. 556 (*Paraponyx*)
Blenheim MB, W. Skellon; HT ♂ designated by Butler, abdomen missing, BMNH.
Hudson 1928, p. 177, pl. xix fig. 22, as *Nymphula nitens*, following Meyrick (1913b, p. 38).
Note. Lange (1956, fig. 111 and 139) illustrates ♂ and ♀ genitalia.

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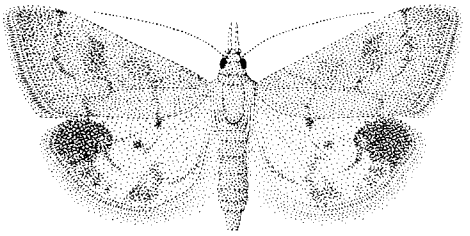
Subfamily PYRAUSTINAE
(in the sense of Munroe 1972, pp. 12–13)



Pyralidae: Pyraustinae
(175) *Mnesictena flavidalis* (Doubleday)

• ***Clepsicosma*** Meyrick, 1888c, pp. 63–64. Type species *Clepsicosma iridia* Meyrick, by original monotypy.
Note. Fletcher & Nye (1984, p. 35) place *Clepsicosma* in Nymphulinae.

iridia Meyrick, 1888c, p. 64 (*Clepsicosma*)
Waitakere Range AK, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1928, pp. 204–205, pl. xxiv fig. 22.

• ***Deana*** Butler, 1879b, p. 451, new name for *Adena* Walker, preoccupied by *Adena* Agassiz, 1846 (emendation of *Hadena* Schrank, Noctuidae).

Adena Walker, 1883b, pp. 1976–198. Type species *Adena xanthialis* Walker, by original monotypy.
Note. Despite Meyrick (1913b, p. 40), *Deana* is strictly available, and is not a homonym of *Deanea* Reichenbach (Aves).

Nesarcha Meyrick, 1884e, p. 330. Type species *Scopula hybreasalis* Walker (as *hybrealis*), by original monotypy.

hybreasalis Walker, 1859b, p. 797 (*Scopula*?)
[?Wellington WN], W. Parry; HT ♀ unique, with accession label "50-71", BMNH.
Hudson 1928, p. 179, pl. xxi fig. 30 and 31, as *Nesarcha hybrealis*.

paronalis Walker, 1859b, pp. 797–798 (*Scopula*?). Synonymised by Meyrick (1884e, p. 330).
[?Hawkes Bay HB], W. Colenso; LT ♂ here designated, labelled "New Zeal. 53-19", "52. Scopula paronalis", "Type", posterior half of abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 179, as synonym.

xanthialis Walker, 1863b, p. 198 (*Adena*). Synonymised by Meyrick (1884e, p. 330).
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1928, p. 179, as synonym.

• ***Diasemia*** Hübner, [1825] 1816, p. 348. Type species *Phalaena litterata* Scopoli, 1763, p. 229.

grammalis Doubleday, 1843, p. 287 (*Diasemia*)
[Auckland AK, A. Sinclair]; HT ♂ (so labelled) with accession label "42.55 New Zealand", "k", BMNH.
Hudson 1928, p. 178, pl. xix fig. 26.

• ***Heliothela*** Guenée, 1854, p. 152, in the sense of Meyrick. Type species *Phalaena atralis* Hübner, [1788] 1786–89, by original monotypy.
Note. *Phalaena atralis* Hübner, [1788] is a junior primary homonym of *P. atralis* Fabricius, 1755. The objective replacement name is *Heliothis huebneri* Kocak, 1980 (Fletcher & Nye 1984, p. 67).

atra Butler, 1877, p. 404 (*Orosana*) **new combination**
Canterbury Plains MC, J.D. Enys; HT ♂ so labelled, Brit. Mus. Pyralidae slide no. 3697, BMNH.
Hudson 1928, p. 182, pl. xix fig. 29, as *Heliothela erebopis*, following Meyrick (1913b, p. 41).

erebopis Meyrick, 1913b, p. 41 (*Heliothela*). **New synonymy.**
Name proposed by Meyrick to avoid confusion with *atralis* Hübner; HT therefore Butler's type specimen.
Hudson 1928, p. 182, as valid name.
Note. The epithet *atra* is sufficiently distinct from *atralis* for it not to be regarded as a homonym, and there is no need for a new name.

• ***Hellula*** Guenée, 1854, pp. 415–416. Type species *Phalaena undalis* Fabricius, 1781, by original monotypy; "Italia".
Note. *Hellula* is placed in Glaphyriinae by Munroe (1964, p. 1261).

hydralis Guenée, 1854, p. 416 (*Hellula*)
Type locality unknown to Guenée; HT not examined.
Hudson 1939, p. 422, pl. lxi fig. 9, as *Hellula undalis*.
Note. New Zealand records are of vagrant specimens from eastern Australian populations. Meyrick (1934, p. 152) gives a record from near Greymouth BR in 1932, as *H. undalis*.

• ***Hymenia*** Hübner, [1825] 1816, p. 361. Type species *Pyralis perspectalis* Hübner, 1796, by subsequent designation of Moore ([1885] 1884–1887, p. 293) (Fletcher & Nye 1984, p. 73; cf. Meyrick 1913b, p. 39); "Ceylon" (Sri Lanka).

recurvalis Fabricius, 1775, p. 644 (*Phalaena*)
"East Indies".
New Zealand: adventive; recurrent immigrant, occasionally establishing.
Hudson 1928, p. 179, pl. xx fig. 41, as *Hymenia fascialis* Cramer.

Note. Clarke (1971, pp. 69–70) gives full references (under *Spoladea* Guenée). Walker (1859a, p. 396) lists 3 New Zealand records from Bolton and Sinclair.

• ***Loxostege*** Hübner, [1825] 1816, p. 352. Type species *Pyralis aeruginalis* Hübner, 1796, by subsequent designation (Hampson 1918b, p. 189).

Proternia Meyrick, 1884e, pp. 292 (key) and 317. Type species *Proternia philocapna* Meyrick, by original monotypy; placement as in BMNH collection.

Proteroeca Meyrick, 1884e, pp. 292 (key) and 335. Type species *Proteroeca comastis* Meyrick, by original monotypy; placement as in BMNH collection.

affinitalis Lederer, 1863, p. 475, pl. 12 fig. 4 (*Botys*)
Type locality Australia; HT not examined.
New Zealand: adventive; established since 1970 (AK, HB).

comastis Meyrick, 1884e, p. 335 (*Proteroeca*)
Castle Hill MC, E. Meyrick; LT ♂ here designated, labelled "Castle Hill New Zealand 2400 ft 18/1/83", "Proteroeca comastis Meyr. 1/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 182, pl. xix fig. 25.
Note. Meyrick (1885j, p. 456) gives locality information omitted in the original description.

intrudens Warren, 1892, p. 175 (*Ennychia*). Synonymised by M. Shaffer, BMNH.
Castle Hill MC, E. Meyrick; HT ♀ (ex Raynor Collection) selected by M. Shaffer, BMNH.
Not mentioned by Hudson.

philocapna Meyrick, 1884e, pp. 317–318 (*Proternia*)
Hamilton WO, E. Meyrick; LT ♀ here designated, labelled "Hamilton New Zealand at light 17/1/80", "Proternia philocapna Meyr. 1/6 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, p. 179, pl. xx fig. 42.

• ***Mnesictena*** Meyrick, 1884e, pp. 293 (key) and 328–329. Type species *Mnesictena marmarina* Meyrick, by subsequent designation (Hampson 1899, p. 231, as *M. quadralis*).
Note. Fletcher & Nye (1984, p. 95) give details of Hampson's actions.

Mecyna in the sense of Meyrick (1913b, p. 40).

adversa Philpott, 1917b, p. 243 (*Mecyna*) **new combination**
Queenstown OL, W.G. Howes; HT ♂ not located, AT ♀ designated by Philpott, NZAC.
Hudson 1928, p. 181, pl. xxi fig. 24, as *Mecyna adversa.*

antipodea Salmon in Salmon & Bradley, 1956, p. 77, fig. 21 (*Mecyna*) **new combination**
Antipodes Islands, E.G. Turbott; HT ♂ unique, AMNZ.

daiclesalis Walker, 1859c, p. 1017 (*Scopula*?)
[?Auckland AK], J.F. Churton; HT ♀ abdomen and right forewing missing, BMNH.
Hudson 1928, p. 180, pl. xxi fig. 23, as *Mecyna daiclealis* (name emended by Meyrick 1889, p. 155), after Meyrick (1913b, p. 40).

otagalis Felder & Rogenhofer, 1875, pl. cxxxiv fig. 35 (*Botys*). **New synonymy.**
[?Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 181, as synonym of *Mecyna flavidalis.*
Note. *Botys otagalis* is obviously synonymous with Walker's *daiclesalis*; the yellowish flush at the base of the forewing is not uncommon in *daiclesalis* populations.

flavidalis Doubleday, 1843, p. 287 (*Margaritia*); Meyrick, 1884c, p. 330, as *Mnesictena flavidalis*
[Auckland AK], A. Sinclair; HT ♂ (labelled as HT by W.H.T. Tams) labelled "Margaritia flavidalis Doubleday TYPE", "42.55 New Zealand", abdomen missing, BMNH.
Hudson 1928, p. 181, pl. xxi fig. 27 and 28, as *Mecyna flavidalis*, after Meyrick (1913b, p. 40).

quadralis Doubleday, 1843, p. 288 (*Margaritia*). Synonymised by Meyrick (1884e, p. 330).
[Auckland AK], A. Sinclair; HT ♀ (labelled as HT by W.H.T. Tams) here designated, labelled "Margaritia quadralis Doubleday TYPE", "New Zealand 42.55", accompanied by 2 PLT ♀♀ labelled by D.J. Carter as ST ♀♀ of *flavidalis*, BMNH.
Hudson 1928, p. 181, as synonym of *flavidalis.*

dipsasalis Walker, 1859b, pp. 796–797 (*Scopula*?). Synonymised by Meyrick (1884e, p. 330).
[Auckland AK], A. Sinclair; HT ♂ unique, accession no. 45.61, BMNH.
Hudson 1928, p. 181, as synonym of *flavidalis.*

marmarina Meyrick, 1884e, p. 329 (*Mnesictena*)
Palmerston North WI/WN, E. Meyrick; LT ♂ selected by M. Shaffer, labelled "Palmerston New Zealand 4/3/85", "Mnesictena marmarina Meyrick 1/9 E. Meyrick det. in Meyrick Coll.", BMNH.
Hudson 1928, pp. 181–182, pl. xxi fig. 26, as *Mecyna marmarina*, after Meyrick (1913b, p. 40).

notata Butler, 1879a, p. 493 (*Scopula*); Meyrick, 1884, p. 330, as *Mnesictena notata*
[Dunedin DN], F.W. Hutton; HT ♂ unique, accession no. 79.9, BMNH.
Hudson 1928, p. 181, pl. xliv fig. 21, as *Mecyna notata*, after Meyrick (1913b, p. 40).

pantheropa Meyrick, 1902c, p. 277 (*Mecyna*) **new combination**
Chatham Island, J. Fougere; LT ♂ designated by M. Shaffer, BMNH.
Hudson 1928, p. 181, pl. xxi fig. 29, as *Mecyna pantheropa.*

• ***Sceliodes*** Guenée 1854, p. 400. Type species *Sceliodes mucidalis* Guenée, by original monotypy.

Eretria Snellen, 1880, p. 206. Type species *Eretria obsistalis* Snellen, by original monotypy.
Note. Fletcher & Nye (1984, p. 55) record *Eretria* Snellen as a junior homonym of *Eretria* Robineau-Desvoidy, 1863 (Diptera).

cordalis Doubleday, 1843, p. 288 (*Margaritia*)
[Auckland AK], A. Sinclair; ST ♂ so labelled by D.J. Carter, accession no. 42.55, BMNH.
Hudson 1928, p. 178, pl. xx fig. 47.

mucidalis Guenée, 1854, p. 400 (*Sceliodes*). Synonymised by Meyrick (1884e, p. 303).
"Australia", ?collector; HT not examined, MNHN.
Hudson 1928, p. 178, as synonym of *cordalis*.

extensalis Walker, 1866a, p. 1311 (*Daraba*). Synonymised by Meyrick (1884e, p. 303).
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 178, as synonym of *cordalis*.

obsistalis Snellen, 1880, p. 206 (*Eretria*). Synonymised by Meyrick (1884e, p. 303).
Boelekambo, Bothmian (Sulawesi), M.C. Piepers; type material apparently lost.
Hudson 1928, p. 178, as synonym of *cordalis*.

• ***Uresiphita*** Hübner, [1825] 1816, p. 353. Type species *Pyralis limbalis* [Denis & Schiffermüller], in the sense of Hübner [1825] (= *Pyralis polygonalis* [Denis & Schiffermüller], 1775, by subsequent designation (Pierce & Metcalfe 1938, p. 64)); Europe.
Note. Fletcher & Nye (1984, p. 157) note this as a case of a misidentified type species, and have referred it to the ICZN.

Mecyna Doubleday, [1849] 1850, p. 14. Type species *Pyralis asinalis* Hübner, [1819] 1796, pl. 29 fig. 185, by monotypy.
Note. Fletcher & Nye (1984, p. 88) give details on the usage of *Mecyna*.

polygonalis maorialis Felder & Rogenhofer, 1875, pl. cxxxiv fig. 34 (*Botys*)
[Nelson NN, T.R. Oxley]; HT ♀ unique, abdomen in gelatin capsule, BMNH.
Hudson 1928, p. 180, pl. xxi fig. 25, as *Mecyna maorialis*.
Clarke 1971, p. 75, as *maiorialis*, by implication as subspecies of *polygonalis*.
Note. *Mecyna deprivalis* Walker, 1859, p. 806, was listed by Meyrick (1884e, p. 326) as the senior synonym of *maorialis*. *M. deprivalis* was listed by Walker as from "Ceylon". Meyrick (1913b, p. 40) removed *deprivalis* from the New Zealand list by implication. Walker (1859c, p. 807), under *Mecyna ornithopteralis* Guenée, noted "var. minor; alae posticae margine angustiore", "J. New Zealand. Presented by Dr Sinclair" [Auckland]. The specimen is *U. p. maorialis*.

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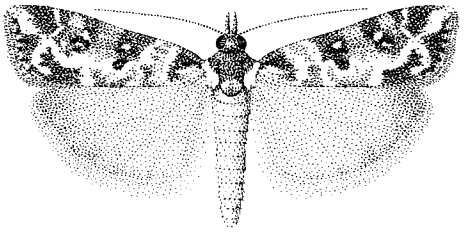
Subfamily SCOPARIINAE
(in the sense of Munroe 1972, pp. 14–17)



Pyralidae: Scopariinae
(176) *Eudonia diphtheralis* (Walker)

• ***Antiscopa*** Munroe, 1964, pp. 261 (key) and 265–266. Type species *Scoparia epicomia* Meyrick, by original designation.

acompa Meyrick, §1884d, p. 236 (no description); 1885e, pp. 72 (key) and 100 (*Scoparia*)
Lake Wakatipu OL, E. Meyrick; HT ♂, BM Pyral. slide no. 3673 ♂, BMNH.
Hudson 1928, p. 195, pl. xlv fig. 6, as *Scoparia acompa*.
Munroe 1964, p. 266, as *Antiscopa acompa*.

elaphra Meyrick, §1884d, p. 236; 1885e, pp. 72 (key) and 105 (*Scoparia*)
Palmerston [North] WI/WN, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3686 ♂, BMNH.
Hudson 1928, p. 197, pl. xxii fig. 5, as *Scoparia elaphra*.
Munroe 1964, p. 265, as *Antiscopa elaphra*.

epicomia Meyrick, §1884d, p. 236; 1885e, pp. 72 (key) and 99 (*Scoparia*)
Dunedin DN, A. Purdie; LT ♂ selected by E. Munroe, BMNH.
Hudson 1928, p. 195, pl. xxi fig. 33, as *Scoparia epicomia*.

• ***Eudonia*** Billberg, 1820, p. 93. Type species *Tinea mercurella* Linnaeus, 1758, p. 902, by original monotypy (listed as *mercuriella* Linnaeus); Europe.

Witlesia Chapman, 1912, p. 507. Type species *Eudorea pallida* Curtis, 1827 (as *pallida* Stephens), by original monotypy; Europe. Synonymised by Munroe (1972, p. 47).
Note. Species included here have the ♂ valva lacking a process on the ventral margin (see Munroe 1964, p. 266; 1972, p. 48).

alopecias Meyrick, 1901, p. 570 (*Scoparia*) **new combination**
Mount Cook MK, R.W. Fereday; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3672 ♂, BMNH.
Hudson 1928, p. 196, not figured, as *Scoparia alopecias*.

aspidota Meyrick, §1884d, p. 237; 1885e, pp. 110 (key) and 115–116 (*Xeroscopa*) **new combination**
[Ben Lomond] OL, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3643 ♂, BMNH.
Hudson 1928, p. 201, pl. xxiv fig. 10, as *Scoparia aspidota*, after Meyrick (1913b, p. 45).

asterisca Meyrick, §1884d, p. 237 (no description); 1885e, pp. 110 (key) and 118–119 (*Xeroscopa*) **new combination**
Lake Wakatipu OL, R.W. Fereday; LT ♂ labelled as HT, "L. Wakatipu New Zealand RWF 11/1/81", BM Pyral. slide no. 3700 ♂, BMNH.
Hudson 1928, p. 204, pl. xxi fig. 47, as *Scoparia asterisca*, after Meyrick (1913b, p. 45).

atmogramma Meyrick, 1915a, pp. 202–203 (*Scoparia*) **new combination**
?Invercargill SL, A. Philpott; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3670 ♂, BMNH.
Hudson 1928, p. 197, pl. xlv fig. 25, as *Scoparia atmogramma.*

axena Meyrick, §1884d, p. 236; 1885e, pp. 73 (key) and 103 (*Scoparia*) **new combination**
Arthur's Pass NC/WD, 4500 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3628 ♂, BMNH.
Hudson 1928, p. 196, pl. xliv fig. 22, as *Scoparia axena.*

bisinualis Hudson, 1928, p. 194 (*Scoparia*) **new combination**
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "271a", NMNZ.
Hudson 1928, p. 194, pl. xxi fig. 45.

cataxesta Meyrick, §1884d, p. 236; 1885e, pp. 73 (key) and 96–97 (*Scoparia*) **new combination**
Castle Hill MC, 3000 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3660 ♂, BMNH.
Hudson 1928, p. 193, pl. xxi fig. 19, as *Scoparia cataxesta.*

chalara Meyrick, 1901, p. 570 (*Scoparia*) **new combination**
Mount Cook MK, G.V. Hudson; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3644 ♂, BMNH.
Hudson 1928, p. 204, pl. xxiv fig. 41, as *Scoparia chalara.*

characta Meyrick, §1884d, p. 236 (no description); 1885e, pp. 72 (key) and 90 (*Scoparia*) **new combination**
Makatoku WA, E. Meyrick; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3645 ♂, BMNH.
Hudson 1928, p. 189, pl. xxii fig. 4, as *Scoparia characta.*

chlamydota Meyrick, §1884d, p. 235 (no description); 1885e, pp. 72 (key) and 82 (*Scoparia*) **new combination**
Arthur's Pass NC/WD, 3000 ft, E. Meyrick; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3727 ♂, BMNH.
Hudson 1928, p. 184, pl. xix fig. 28, as *Scoparia chlamydota.*

choristis Meyrick, 1907c, p. 111 (*Scoparia*) **new combination**
Kaitoke WN, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3656 ♂, BMNH.
Hudson 1928, pp. 191–192, pl. xxi fig. 2, as *Scoparia choristis.*

colpota Meyrick, 1888c, pp. 65–66 (*Scoparia*) **new combination**
Wellington WN, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3655 ♂, BMNH.
Hudson 1928, p. 191, pl. xxi fig. 1, as *Scoparia colpota.*

critica Meyrick, §1884d, p. 235 (no description); 1885e, pp. 72 (key) and 88 (*Scoparia*) **new combination**
Arthur's Pass NC/WD, 3,000 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3743, BMNH.
Hudson 1928, p. 189, pl. xxii fig. 42, as *Scoparia critica.*

crypsinoa Meyrick, §1884d, p. 236 (no description, as *crypsisoa*); 1885e, pp. 72 (key) and 102–103 (*Scoparia*) **new combination**
Castle Hill MC, 3000 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3625, BMNH.
Hudson 1928, p. 196, pl. xxii fig. 9 (dubious), as *Scoparia crypsinoa.*

agana Meyrick, 1912c, p. 119 (*Scoparia*). Synonymised by Meyrick (1921, p. 334).
Lake Wakatipu OL, G.V. Hudson; LT ♂ selected by E. Munroe, BMNH.
Hudson 1928, p. 119, pl. xxii fig. 9, as *crypsinoa*, as synonym.

cymatias Meyrick, §1884d, p. 235 (no description); 1885e, pp. 72 (key) and 86–87 (*Scoparia*) **new combination**
Arthur's Pass NC, 2500 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3734, BMNH.
Hudson 1928, p. 187, pl. xxii fig. 40.

cyptastis Meyrick, 1909a, p. 7 (*Scoparia*) **new combination**
Invercargill SL, A. Philpott; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3674 ♂, BMNH.
Hudson 1928, pp. 195–196, pl. xxii fig. 30.

deltophora Meyrick, §1884d, p. 236; 1885e, pp. 74 (key) and 106 (*Scoparia*) **new combination**
Arthur's Pass NC/WD, 4000 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3630 ♂, BMNH.
Hudson 1928, pp. 197–198, pl. xxi fig. 39, as *Scoparia deltophora.*

dinodes Meyrick, §1884d, p. 235 (no description); 1885e, pp. 73 (key) and 85 (*Scoparia*) **new combination**

[Riccarton Bush], Christchurch MC, E. Meyrick; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3733 ♂, BMNH.
Hudson 1928, pp. 185–186, pl. xxii fig. 3, as *Scoparia dinodes.*

dochmia Meyrick, 1905, pp. 229–230 (*Scoparia*) **new combination**
Lake Wakatipu OL, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3720 ♂, BMNH.
Hudson 1928, p. 184, pl. xxii fig. 2.

epicremna Meyrick, §1884d, p. 237 (no description); 1885e, pp. 110 (key) and 117 (*Xeroscopa*) **new combination**
Castle Hill MC, 2500 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3702, BMNH.
Hudson 1928, p. 203, pl. xlv fig. 4 (dubious), as *Scoparia epicremna.*

feredayi Knaggs, 1867, p. 80 (*Scoparia*) **new combination**
Rakaia MC, H.G. Knaggs; HT ♂ unique, accession no. 71.30, BM Pyral. slide no. 3616, BMNH.
Hudson 1928, p. 195, pl. xxi fig. 34, as *Scoparia feredayi.*

moanalis Felder & Rogenhofer, 1875, pl. cxxxvii fig. 34 (*Scoparia*). Synonymised by Meyrick (§1884d, p. 236; 1885e, p. 100).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 195, as synonym.

gressitti Munroe, 1964, p. 269 (*Witlesia*) **new combination**
Tucker Cove, Campbell Island, J.L. Gressitt; HT ♂ designated by E. Munroe, [still in CNCI as at March 1987] NZAC.
Munroe 1964, pp. 269–270, fig. 4 (♂ genitalia).

gyrotoma Meyrick, 1909a, p. 7 (*Scoparia*) **new combination**
Lake Tekapo MK, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3669 ♂, BMNH.
Hudson 1928, p. 193, pl. xxi fig. 18 (a poor depiction); 1939, p. 424, pl. lvi fig. 27; as *Scoparia gyrotoma.*

repercussa Philpott, 1929a, pp. 301–302 (*Scoparia*). Synonymised by Philpott (1931, p. 29).
Lake Tekapo MK, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 424, pl. lvi fig. 27, as synonym.

hemicycla Meyrick, §1884d, p. 235 (no description); 1885e, pp. 73 (key) and 87 (*Scoparia*) **new combination**
Arthur's Pass NC/WD, 3000 ft, E. Meyrick; HT ♂ unique, BM Pyral. slide no. 3738 ♂, BMNH.
Hudson 1928, p. 187, pl. xxii fig. 7, as *Scoparia hemicycla.*

hemiplaca Meyrick, 1889b, pp. 155–156 (*Scoparia*) **new combination**
Wellington WN, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3729 ♂, BMNH.
Hudson 1928, p. 184, pl. xxii fig. 11, as *Scoparia hemiplaca.*

legnota Meyrick, §1884d, p. 237 (no description); 1885e, pp. 110 (key) and 117–118 (*Xeroscopa*) **new combination**
Lake Wakatipu OL, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3684, BMNH.
Hudson 1928, p. 203, pl. xxi fig. 49, as *Scoparia legnota.*

leptalaea Meyrick, §1884d, p. 236 (no description); 1885e, pp. 73 (key) and 98–99 (*Scoparia*) **new combination**
[heath-like scrub and swamp], Hamilton WO, E. Meyrick; LT ♂ selected by E. Munroe, BMNH.
Hudson 1928, p. 194, not figured, as *Scoparia leptalaea.*

leptophaea Meyrick, 1902c, pp. 277–278 (*Scoparia*). Synonymised by Hudson (1928, p. 194).
Chatham Island, J. Fourgère; LT ♀ selected by E. Munroe, BM Pyral. slide no. 3668 ♀, BMNH.
Hudson 1928, p. 194, as synonym.

leucogramma Meyrick, §1884d, p. 237; 1885e, pp. 110 (key) and 119 (*Xeroscopa*) **new combination**
Mount Hutt MC, R.W. Fereday; LT ♂ selected by E. Munroe, BMNH.
Hudson 1928, p. 204, pl. xxii fig. 41, as *Scoparia leucogramma.*
Note. The ♂ genitalia on BM Pyral. slide no. 3706 are of an Otira WD specimen.

linealis Walker, 1866a, pp. 1503–1504 (*Scoparia*) **new combination**
[Nelson NN], T.R. Oxley; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 192, as synonym of *Scoparia submarginalis.*

localaris Meyrick, 1912c, pp. 118–119 (*Scoparia*) **new combination**
Lake Wakatipu OL, G.V. Hudson; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3653 ♂, BMNH
Hudson 1928, pp. 190–191, pl. xxi fig. 15.

luminatrix Meyrick, 1909a, p. 8 (*Scoparia*) **new combination**
Invercargill SL, A. Philpott; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3699 ♂, BMNH.
Hudson 1928, p. 203, pl. xxi fig. 43 (a poor likeness), as *Scoparia luminatrix.*

manganeutis Meyrick, §1884d, p. 236 (no description); 1885e, pp. 72 (key) and 102 (*Scoparia*) **new combination**
Otira Gorge WD, 1600 ft, E. Meyrick; LT ♂ selected by

E. Munroe, head missing, BM Pyral. slide no. 3679 ♂, BMNH.
Hudson 1928, p. 196, not figured, as *Scoparia manganeutis.*

melanaegis Meyrick, §1884d, p. 236 (no description); 1885e, pp. 73 (key) and 92 (*Scoparia*) **new combination**
Arthur's Pass NC, 2600 ft, E. Meyrick; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3649 ♂, BMNH.
Hudson 1928, p. 190, pl. xxi fig. 51, as *Scoparia melanaegis.*

meliturga Meyrick, 1905, p. 228 (*Scoparia*) **new combination**
Wellington WN, E. Meyrick; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3725 ♂, BMNH.
Hudson 1928, pp. 183–184, pl. xxii fig. 12, as *Scoparia meliturga.*

microphthalma Meyrick, §1884d, p. 235 (no description); 1885e, pp. 72 (key) and 87 (*Scoparia*) **new combination**
Lake Wakatipu OL, 1000 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3732 ♂, BMNH.
Hudson 1928, p. 187 (but not pl. 1 fig. 8), as *Scoparia microphthalma.*

minualis Walker, 1866a, p. 1504 (*Scoparia*) **new combination**
[Auckland AK], D. Bolton; HT ♀ so labelled, BM Pyral. slide no. 3750, BMNH.
Hudson 1928, p. 185, pl. xxii fig. 37 (a poor likeness), as "*Scoparia minualis* Meyr." (cf. Meyrick 1913b, p. 42, correct citation).

chimeria Meyrick, §1884d, p. 235 (no description); 1885e, pp. 72 (key) and 84 (*Scoparia*). **New synonymy.**
Masterton WA, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3731, BMNH.
Hudson 1928, p. 185, pl. xxii fig. 43 (a poor likeness), as *Scoparia chimeria.*
Note. HT *minualis* and LT *chimeria* are identical in colour pattern. Neither resembles Hudson's figures.

octophora Meyrick, §1884d, p. 237 (no description); 1885e, pp. 110 (key) and 118 (*Xeroscopa*) **new combination**
Castle Hill MC, 3000 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3702, BMNH.
Hudson 1928, pp. 203–204, pl. xxiv fig. 21 (very dubious), as *Scoparia octophora.*

oculata Philpott, 1927d, pp. 32–83 (*Scoparia*) **new combination**
Nelson NN, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1939, p. 427, pl. lvi fig. 16, as *Scoparia oculata.*
Note. A topotypic PT ♂ in BMNH (BM Pyral. slide no. 3701) has the characteristic *Eudonia* valvae.

oreas Meyrick, §1884d, p. 235 (no description); 1885e, pp. 72 (key) and 81 (*Scoparia*) **new combination**
[Ben Lomond], Lake Wakatipu OL, E. Meyrick; HT ♂ unique, BM Pyral. slide no. 3724, BMNH.
Hudson 1928, p. 183, not figured, as *Scoparia oreas.*

organaea Meyrick, 1901, p. 569 (*Scoparia*) **new combination**
Mount Cook MK, G.V. Hudson; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3703 ♂, BMNH.
Hudson 1928, pp. 202–203, pl. xxii fig. 27, as *Scoparia organaea.*

pachyerga Meyrick, 1927a, p. 697 (*Scoparia*) **new combination**
Mount Holdsworth WN, 2500 ft, G.V. Hudson; HT ♂ unique (altitude given on label as "4000 ft"), BM Pyral. slide no. 3627, BMNH.
Hudson 1928, pp. 196–197, pl. lii fig. 9, as *Scoparia pachyerga* (corroborates collecting altitude of *c.* 2000 ft). Munroe 1964, p. 266, as *Witlesia pachyerga.*

paltomacha Meyrick, §1884d, p. 236; 1885e, pp. 74 (key) and 105–106 (*Scoparia*) **new combination**
Castle Hill MC, 2500 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3629 ♂, BMNH.
Hudson 1928, p. 197, pl. xxi fig. 36 and 37, as *Scoparia paltomacha.* Munroe 1964, p. 266, as *Witlesia paltomacha.*

periphanes Meyrick, §1884d, p. 236 (no description); 1885e, pp. 74 (key) and 94 (*Scoparia*) **new combination**
Lake Wakatipu OL, R.W. Fereday; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3657 ♂, BMNH.
Hudson 1928, p. 191, pl. xxi fig. 3.

philerga Meyrick, §1884d, p. 235 (no description); 1885e, pp. 73 (key) and 81–82 (*Scoparia*) **new combination**
Lake Wakatipu OL, 1000 ft, E. Meyrick; HT ♂ (?LT; see Meyrick's description), BM Pyral. slide no. 3726, BMNH.
Hudson 1928, p. 183, pl. xxi fig. 12, as *Scoparia philerga.*

philetaera Meyrick, §1884d, p. 236 (no description); 1885e, pp. 72 (key) and 93–94 (*Scoparia*) **new combination**
Bealey River NC, E. Meyrick; HT ♂ unique, BM Pyral. slide no. 3652, BMNH.
Hudson 1928, p. 190, not figured, as *Scoparia philetaera.*

pongalis Felder & Rogenhofer, 1875, pl. cxxxvii fig. 33 (*Scoparia*) **new combination**
[Nelson NN, T.R. Oxley]; HT ♂ unique, BM Pyral. slide no. 3648, BMNH.
Hudson 1928, pp. 189–190, pl. xxii fig. 1.

psammitis psammitis Meyrick, §1884d, p. 236 (no description); 1885e, pp. 73 (key) and 99 (*Scoparia*; as species) **new combination**
Arthur's Pass NC/WD, 4500 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3667 ♂, BMNH.
Hudson 1928, p. 194, pl. xxiv fig. 51, as *Scoparia psammittis* (*sic*). Munroe 1964, p. 266, as *Witlesia psammitis*.

psammitis campbellensis Munroe, 1964, pp. 267–269 (*Witlesia*) **new combination**
Tucker Cove, Campbell Island, J.L. Gressitt; HT ♂ designated by E. Munroe, [still in CNCI as at March 1987] NZAC.
Munroe 1964, pp. 267–269, fig. 3 (♂ genitalia).

quaestoria Meyrick, 1929, p. 487 (*Scoparia*) **new combination**
Waitati DN, C.E. Clarke; LT ♂ (labelled as HT, but see Meyrick's description), BM Pyral. slide no. 3651 ♂, BMNH.
Hudson 1939, p. 424, pl. lvi fig. 7, as *Scoparia quaestoria*.

rakaiaensis Knaggs, 1867, p. 80 (*Scoparia*) **new combination**
Rakaia MC, H.G. Knaggs; HT ♂ unique, BM Pyral. slide no. 3746 ♂, BMNH.
Hudson 1928, pp. 193–194, pl. xxi fig. 10, as synonym of *Scoparia indistinctalis* not of Walker but in the sense of Meyrick (1885e, p. 97).

sabulosella Walker, 1863b, p. 178 (as *Crambus sabulosellus*) **new combination**
[Auckland AK], A. Sinclair; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3613 ♂, BMNH.
Hudson 1928, p. 198, pl. xxi fig. 38, as *Scoparia sabulosella*. Munroe 1964, p. 266, as *Witlesia sabulosella*.
Note. LT ♂ genitalia on slide no. 3613 differ markedly from those of a ♂ (locality unspecified, coll. G.F. Mathew) on slide no. 3622, suggesting that two species may be confused under the name *sabulosella*.

steropaea Meyrick, §1884d, p. 236 (no description); 1885e, pp. 74 (key) and 103–104 (*Scoparia*) **new combination**
Castle Hill MC, 3000 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3680♂, BMNH.
Hudson 1928, p. 197, pl. xxii fig. 8, as *Scoparia steropaea*.

subditella Walker, 1866b, p. 1720 (*Nephopteryx*) **new combination**
[Auckland AK], D. Bolton; LT ♂ labelled as HT, BM Pyral. slide no. 3751 ♂, BMNH.
Not mentioned by Hudson.

submarginalis Walker, 1863b, p. 48 (*Hypochalcia*) **new combination**
[Auckland AK], A. Sinclair; LT ♀ labelled as HT, BM Pyral. slide no. 3748 ♀, BMNH.
Hudson 1928, p. 192, pl. xxi fig. 7–9, as *Scoparia submarginalis*, after Meyrick (§1884d, p. 236; 1885e, p. 95).

maoriella Walker, 1866b, p. 1720 (*Nephopteryx*). Synonymised by Meyrick (§1884d, p. 236; 1885e, p. 95).
[Auckland AK], D. Bolton; HT ♂ unique, BM Pyral. slide no. 3747 ♂, BMNH.
Hudson 1928, p. 192, as synonym.

thyridias Meyrick, 1905, p. 229 (*Scoparia*) **new combination**
"New Zealand", G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3737 ♂, BMNH.
Hudson 1928, p. 183, pl. xxii fig. 36, as *Scoparia thyridias*.

torodes Meyrick, 1901, p. 568 (*Scoparia*) **new combination**
Mount Cook MK, R.W. Fereday; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3654 ♂, BMNH.
Hudson 1928, p. 191, not figured, as *Scoparia torodes*.

galactilis Hudson, 1913, p. 250 (*Scoparia*). Synonymised by Hudson (1939, p. 424).
Routeburn Valley OL, G.V. Hudson; HT ♂ unique, NMNZ.
Hudson 1928, p. 190, pl. xxi fig. 46.

triclera Meyrick, 1905, p. 230 (*Scoparia*) **new combination**
Wellington WN, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3728♂, BMNH.
Hudson 1928, p. 184, pl. xix fig. 27, as *Scoparia triclera*.

trivirgata Felder & Rogenhofer, 1875, pl. cxxxvii fig. 29 (as *Crambus trivirgatus*) **new combination**
"Ins. Neumunster" [Nelson NN, T.R. Oxley],; HT ♀ unique, BM Pyral. slide no. 3620 ♀, BMNH.
Hudson 1928, p. 198, pl. xxi fig. 42, as *Scoparia trivirgata*, after Meyrick (§1884d, p. 236; 1885e, p. 107).

ustiramis Meyrick, 1931a, p. 95 (*Scoparia*) **new combination**
Whangarei ND, S.C. Patterson; HT ♂ unique, BM Pyral. slide no. 3632 ♂, BMNH.
Hudson 1939, p. 423, pl. lvi fig. 33, as *Scoparia ustiramus*.

xysmatias Meyrick, 1907c, p. 110 (*Scoparia*) **new combination**
Old Man Range CO, J.H. Lewis; HT ♂ unique, BM Pyral. slide no. 3739♂, BMNH.
Hudson 1928, p. 187, pl. xxi fig. 5, as *Scoparia sysmatias*.

zophoclaena Meyrick, 1923, pp. 162–163 (*Scoparia*) **new combination**
Takapuna AK, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3745♂, BMNH.
Hudson 1928, p. 186, pl. xliv fig. 3, as *Scoparia zophoclaena*.

• ***Exsilirarcha*** Salmon & Bradley, 1956, pp. 73–75. Type species *Exsilirarcha graminea* Salmon & Bradley, by original designation.

graminea Salmon & Bradley, 1956, pp. 75–77 (*Exsilirarcha*)
Campbell Island, J.H. Sorensen; HT ♂ designated by Salmon & Bradley, NMNZ.

• ***Protyparcha*** Meyrick, 1909b, p. 71. Type species *Protyparcha scaphodes* Meyrick, by original monotypy.

scaphodes Meyrick, 1909b, p. 71 (*Protyparcha*)
Carnley Harbour, Auckland Island, G.V. Hudson; 3 ST ♂♂ labelled "Kermadec Island", BMNH.
Hudson 1928, p. 170, pl. xx fig. 40, in Crambinae, after Meyrick (1909).
Note. The ♂ selcted by M. Shaffer as the LT cannot be, as it was presented to BMNH in 1916 (accession no. 232) by Hudson. Meyrick mixed his labelling on specimens he received through Hudson from the Auckland Islands (1907) and Kermadec Islands (1908).

• ***Scoparia*** Haworth, 1811, p. 498. Type species *Scoparia pyralea* Haworth, 1811 (as *Tinea pyralella* Hübner, 1796, a junior primary homonym of *Tinea pyralella* [Denis & Schiffermüller], 1775), by subsequent designation (Curtis 1827, folio 170).
Note. Fletcher & Nye (1984, p. 139) give details of the homonymy.

Xeroscopa Meyrick, 1884e, p. 349. Type species *Scoparia ejuncida* Knaggs, by subsequent designation (Hampson 1897, p. 226). Synonymised by Meyrick (1913, p. 41).
Note. Species included here have the ♂ valva with a process on the ventral margin (see Munroe 1964, p. 266; 1972, p. 29).

acharis Meyrick, §1884d, p. 235 (no description); 1885e, pp. 73 (key) and 85–86 (*Scoparia*)
Akaroa MC, R.W. Fereday; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3735 ♂, BMNH.
Hudson 1928, p. 186, pl. xxi fig. 14.

apheles Meyrick, §1884d, p. 237; 1885e, pp. 110 (key) and 115 (*Xeroscopa*)
Arthur's Pass NC/WD, 4500 ft, E. Meyrick; HT ♂ unique, BM Pyral. slide no. 3661, BMNH.
Hudson 1928, p. 201, not figured. Meyrick 1913b, p. 45, as *Scoparia apheles.*

augastis Meyrick, 1907c, p. 112 (*Scoparia*)
Invercargill SL, A. Philpott; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3641 ♂, BMNH.
Hudson 1928, p. 199, pl. xxiv fig. 8.

autochroa Meyrick, 1907c, pp. 110–111 (*Scoparia*)
Invercargill SL, A. Philpott; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3742, BMNH.
Hudson 1928, p. 188, pl. xxi fig. 16.

chalicodes Meyrick, §1884d, p. 236 (no description); 1885e, pp. 72 (key) and 98 (*Scoparia*)
[sandhills], Christchurch MC, E. Meyrick; LT ♂ labelled as HT, BM Pyral. slide no. 3665 ♂, BMNH.
Hudson 1939, p. 424, pl. lxii fig. 14, corrected description, as *Scoparia chalicodes*; see *"Scoparia" limatula*, below.

ciserodes Meyrick, 1920a, p. 30 (*Scoparia*). Synonymised by Hudson (1928, p. 194).
Wellington WN, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 194, as synonym.

cyameuta Meyrick, §1884d, p. 236 (no description); 1885e, pp. 110 (key) and 112–113 (*Xeroscopa*)
Mount Hutt MC, R.W. Fereday; LT ♂ labelled as HT, BM Pyral. slide no. 3636 ♂, BMNH.
Hudson 1928, p. 199, pl. xxi fig. 54, as *Scoparia cyameuta*, after Meyrick (1913b, p. 44).

dryphactis Meyrick, 1911b, p. 61 (*Scoparia*)
[Wallacetown SL], A. Philpott; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3637 ♂, BMNH.
Hudson 1928, p. 200, pl. xxi fig. 53.

ejuncida Knaggs, 1867, p. 81 (*Scoparia*)
?Rakaia MC, H.G. Knaggs; HT ♂ unique, BM Pyral. slide no. 3604, BMNH.
Hudson 1928, p. 201, pl. xxi fig. 52 (a poor representation).

encapna Meyrick, 1888c, p. 65 (*Scoparia*)
Mount Arthur NN, 3800 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3741♂, BMNH.
Hudson 1928, p. 188, pl. xxii fig. 6 (a rather dark depiction).

halopis Meyrick, 1909b, p. 72 (*Scoparia*)
Carnley Harbour, Auckland Islands, G.V. Hudson; LT ♂ labelled as HT, BM Pyral. slide no. 3635♂, BMNH.
Hudson 1928, p. 199, pl. xxiv fig. 50 (not an accurate depiction).

harpalaea Meyrick, §1884d, p. 236 (no description); 1885e, pp. 110 (key) and 114 (*Xeroscopa*)
Otira Gorge WD, 1600 ft, E. Meyrick; HT ♂ unique, BM Pyral. slide no. 3639♂, BMNH.
Hudson 1928, p. 201, not figured, as *Scoparia harpalaea*, after Meyrick (1913b, p. 44).

nomeutis Meyrick, §1884d, p. 237 (no description); 1885e, pp. 110 (key) and 116–117 (*Xeroscopa*)
[Ben Lomond] OL, 3,500 ft, E. Meyrick; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3705♂, BMNH.
Hudson 1928, p. 202, pl. 1 fig. 28 (a poor depiction), as *Scoparia nomeutis*, after Meyrick (1913b, p. 45).

parachalca Meyrick, 1901, p. 569 (*Scoparia*)
Lake Tekapo MK, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3707 ♂, BMNH.
Hudson 1928, p. 202, pl. xxii fig. 10.

parmifera Meyrick, 1909b, p. 72 (*Scoparia*)
Carnley Harbour, Auckland Islands, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3646 ♂, BMNH.
Hudson 1928, p. 186, pl. xxi fig. 13.
Note. HT label reads "Kermadec Is GVH. 08".

petrina Meyrick, §1884d, p. 236 (no description); 1885e, pp. 110 (key) and 111–112 (*Xeroscopa*)
Mount Hutt MC, R.W. Fereday; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3634 ♂, BMNH.
Hudson 1928, p. 199, pl. xxi fig. 11 and 22, as *Scoparia petrina*, after Meyrick (1913, p. 44).

legionaria Philpott, 1928a, p. 362 (*Scoparia*). Synonymised by Hudson (1939, p. 426).
Gordon's Pyramid, Mount Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 426, as synonym.

rotuella Felder & Rogenhofer, 1875, pl. cxxxvii fig. 30 (as *Crambus rotuellus*)
[Nelson NN, T.R. Oxley], "Ins. Neumunster"; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3618♂, BMNH.
Hudson 1928, p. 200, pl. xxi fig. 41, as *Scoparia rotuella*, after Meyrick (1913b, p. 44).

sideraspis Meyrick, 1905, p. 231 (*Scoparia*)
Mount Earnslaw OL, G.V. Hudson; LT ♂ selected by E. Munroe, BM Pyral. slide no. 3708♂, BMNH.
Hudson 1928, p. 202, pl. xxiv fig. 24.

triscelis Meyrick, 1909b, p. 71 (*Scoparia*)
Carnley Harbour, Auckland Islands, G.V. Hudson; HT ♂ unique, BM Pyral. slide no. 3736 ♂, BMNH.
Hudson 1928, p. 191, pl. xxi fig. 4.

ustimacula Felder & Rogenhofer, 1875, pl. cxxxv fig. 17 (*Scoparia*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1928, p. 189, pl. xxii fig. 39.

conifera Butler, 1879a, p. 493 (*Scoparia*). Synonymised by Meyrick (§1884d, p. 236; 1885e, p. 91).
[Dunedin DN], F.W. Hutton; HT ♂ so labelled, BM Pyral. slide no. 3623♂, BMNH.
Hudson 1928, p. 189, as synonym.

• ***Scoparia*** of authors
Note. Valval structures of males of the following species have not been examined.

albafascicula Salmon *in* Salmon & Bradley, 1956, p. 78 (*Scoparia*)
"Campbell Island", J.H. Sorensen; HT ♂ unique, abdomen missing, not found in NMNZ.
Note. AMNZ has 3 specimens agreeing with the description that were collected by E.G. Turbott on Antipodes Island. Collectors on Campbell Island have consistently failed to find *S. albafascicula*.

animosa Meyrick, 1914a, p. 103 (*Scoparia*)
West Plains SL, A. Philpott; HT ♀ unique, BM Pyral. slide no. 3730 ♀, BMNH.
Hudson 1928, pp. 186–187, pl. xlv fig. 5.

asaleuta Meyrick, 1907c, pp. 111–112 (*Scoparia*)
Lake Wakatipu OL, G.V. Hudson; LT ♀ selected by E. Munroe, BM Pyral. slide no. 3662 ♀, BMNH.
Hudson 1928, p. 193, pl. xxi fig. 17.

astragalota Meyrick, §1884d, p. 236 (no description); 1885e, pp. 110 (key) and 113 (*Xeroscopa*)
Mount Hutt MC, R.W. Fereday; LT ♀ selected by E. Munroe, BM Pyral. slide no. 3638 ♀, BMNH.
Hudson 1928, p. 200, pl. xxiv fig. 49, as *Scoparia astragalota*, after Meyrick (1913b, p. 44).

autumna Philpott, 1927d, p. 83 (*Scoparia*)
Nelson NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 425, pl. lvi fig. 35.

caesia Philpott, 1926a, p. 390 (*as Orocrambus caesius*)
Gordon's Pyramid, Mount Arthur NN, 5000 ft, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 159–160, pl. li fig. 16, as *Orocrambus caesius*. Gaskin 1975, p. 266, excluded from Crambinae, as ?*Scoparia caesia*.

caliginosa Philpott, 1918, p. 127 (*Scoparia*)
?Matakanui, Manuherikia Valley CO, J.H. Lewis; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 202, pl. xlv fig. 2.

cinefacta Philpott, 1926a, p. 391 (*Scoparia*)
Gordon's Pyramid, Mount Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 188, pl. xlviii fig. 7.

claranota Howes, 1946, p. 147 (*Scoparia*)
Homer Cirque FD, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Howes 1946, p. 147, pl. 8 fig. 2, pl. 9 fig. 4.

clavata Philpott, 1912, p. 116 (*Scoparia*)
Hump Ridge FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 198, pl. xxi fig. 40.

contexta Philpott, 1931, p. 28 (*Scoparia*)
Mount Moltke, Franz Josef WD, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, pp. 425–426, pl. lvi fig. 24.

crepuscula Salmon, 1946, pp. 7–8 (*Scoparia*)
Homer Cirque FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Salmon 1946, pp. 7 and 8, pl. 1 fig. 14.

declivis Philpott, 1918, p. 126 (*Scoparia*)
Commissioner's Creek, Wakatipu OL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 200, pl. xliv fig. 23.

diphtheralis Walker, 1866a, p. 1501 (*Scoparia*)
[Nelson NN], T.R. Oxley; LT ♀ labelled as HT, BM Pyral. slide no. 3749 ♀, BMNH. Hudson 1928, p. 192, pl. xxii fig. 20.

ergatis Meyrick, §1884d, p. 235 (no description); 1885e, pp. 74 (key) and 88 (*Scoparia*)
Castle Hill MC, 3000 ft, E. Meyrick; LT ♀ selected by E. Munroe, BM Pyral. slide no. 3740♀, BMNH.
Hudson 1928, p. 188, pl. xxii fig. 28.

exilis Knaggs, 1867, p. 81 (*Scoparia*)
?Rakaia MC, H.G. Knaggs; HT ♀ unique, BMNH.
Hudson 1928, p. 197, pl. xxi fig. 44 (a poor depiction).

falsa Philpott, 1924a, p. 208 (*Scoparia*)
Gouland Downs NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 200, pl. 1 fig. 23.

famularis Philpott, 1930b, pp. 3–4 (*Scoparia*)
Kepler Mountains FD, C.E. Clarke; HT ♀ designated by Philpott, AMNZ.
Hudson 1939, p. 427, pl. lvi fig. 25.

fimbriata Philpott, 1917b, p. 243 (*Scoparia*)
Mount Cleughearn FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 194, pl. xlv fig. 3.

fumata Philpott, 1915, p. 198 (*Scoparia*)
Longwood Range SL, A. Philpott; HT ♂ designated by Philpott, abdomen missing, NZAC.
Hudson 1928, p. 204, pl. xliv fig. 11.

gracilis Philpott, 1924a, p. 209 (*Scoparia*)
Mount Arthur NN, 4500 ft, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 189, pl. 1 fig. 27.

humilialis Hudson, 1950, pp. 102–103 (*Scoparia*)
Sinclair Head WN, G.V. Hudson; LT ♂ here designated, labelled "1288a", NMNZ.
Hudson 1950, pp. 102–103, pl. v fig. 4.

illota Philpott, 1919, pp. 224–225 (*Scoparia*)
Bluecliffs FD, A. Philpott; HT ♂ missing, AT ♀ designated by Philpott, NZAC.
Hudson 1928, p. 196, pl. xx fig. 12.

indistinctalis Walker, 1863b, p. 48 (*Hypochalcia*)
[Auckland AK], D. Bolton; HT ♀ (?LT; see Walker's description), BM Pyral. slide no. 3602 ♀, BMNH.
Hudson 1928, pp. 193–194 (but pl. xxi fig. 10 refers to *Eudonia rakaiaensis*.

limatula Philpott, 1930c, p. 436 (*Scoparia*)
Tisbury SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 194, pl. xxii fig. 13, as *Scoparia chalicodes*; 1939, p. 424, as *Scoparia limatula*.

lychnophanes Meyrick, 1927a, p. 697 (*Scoparia*)
Mount Holdsworth WN, G.V. Hudson; HT ♀ unique, BM Pyral. slide no. 3647 ♀, BMNH.
Hudson 1928, p. 188, pl. lii fig. 10.
Note. Hudson notes that the specimen was found at 4000 ft (as does Meyrick), but the label on the HT states "2500 ft".

minusculalis Walker, 1866a, p. 1503 (*Scoparia*)
[Hawkes Bay HB or Taupo area TO], W. Colenso; HT ♂ unique, BMNH.
Hudson 1928, pp. 184–185, pl. xxii fig. 38.

molifera Meyrick, 1926b, p. 415 (*Scoparia*)
Ashhurst, Manawatu WI, G.V. Hudson; HT ♀ unique, BM Pyral. slide no. 3659 ♀, BMNH.
Hudson 1928, p. 187, pl. li fig. 18.

monochroma Salmon, 1946, p. 7 (*Scoparia*)
Arthur River, Milford Sound FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Salmon 1946, p. 7, pl. 1 fig. 9.

niphospora Meyrick, §1884d, p. 237; 1885e, pp. 110 (key) and 115 (*Xeroscopa*)
Castle Hill MC, 2500 ft, E. Meyrick; HT ♂ (?LT; see Meyrick's description – "five specimens"), BMNH.
Hudson 1928, p. 201, pl. xxiv fig. 9, as *Scoparia niphospora*, after Meyrick (1913b, p. 45).

pallidula Philpott, 1928a, p. 363 (*Scoparia*)
Mount Grey NC, W. Heighway; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 427, pl. lvi fig. 12.

panopla Meyrick, §1884d, p. 236 (no description); 1885e, pp. 74 (key) and 107 (*Scoparia*)
Mount Hutt MC, R.W. Fereday; LT ♂ selected by E. Munroe, BMNH.
Hudson 1928, p. 198, pl. xxi fig. 43 (but the specimen figured lacks the yellowish suffusion around the basal streak present on the LT).

parca Philpott, 1928a, pp. 362–363 (*Scoparia*)
Mount Grey NC, S. Lindsay & W. Heighway; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 427, pl. lvi fig. 15.

pascoella Philpott, 1920, pp. 43–44 (*Scoparia*)
Tooth Peaks OL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 203, pl. xlviii fig. 8.

phalerias Meyrick, 1905, pp. 230–231 (*Scoparia*)
Wellington WN, G.V. Hudson; HT ♀ unique, BM Pyral. slide no. 3658 ♀, BMNH.
Hudson 1928, p. 192, pl. xxi fig. 6.

pura Philpott, 1924a, p. 208 (*Scoparia*)
Mount Arthur Tableland NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 202, pl. xxiv fig. 39 and 40.

scripta Philpott, 1918, pp. 126–127 (*Scoparia*)
[Mount Burns], Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 200–201, pl. xliv fig. 24.

sinuata Philpott, 1930c, p. 436 (*Scoparia*)
Mount Cook MK, A. Philpott; HT ♂ designated by Philpott, CMNZ.
Hudson 1939, p. 426, pl. lvi fig. 26.

subita Philpott, 1912, p. 116 (as *Orocrambus subitus*)
Hump Ridge FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 159, pl. xix fig. 3 and 4, as *Orocrambus subitus*. Philpott 1929, p. 497, footnote, "*Orocrambus subitus* Philpott ... proves to be a *Scoparia*". Hudson 1939, p. 423, as *Scoparia subita*.

sylvestris Clarke, 1926, p. 418 (*Scoparia*)
Otira River WD, C.E. Clarke; HT ♀ designated by Clarke, AMNZ.
Not mentioned by Hudson.
Note. The colour pattern resembles that of *Eudonia choristis*.

tetracycla Meyrick, §1884d, p. 236 (no description); 1885e, pp. 73 (key) and 97 (*Scoparia*)
Christchurch MC, R.W. Fereday; LT ♀ selected by E. Munroe, BM Pyral. slide no. 3663 ♀, BMNH.
Hudson 1928, p. 193, pl. xxi fig. 21 (a rather dark depiction).

trapezophora Meyrick, §1884d, p. 236 (no description); 1885e, pp. 73 (key) and 93 (*Scoparia*)
Castle Hill MC, 3000 ft, E. Meyrick; HT ♀ unique, BM Pyral. slide no. 3650 ♀, BMNH.
Hudson 1928, p. 190, pl. xxi fig. 50.

tuicana Clarke, 1926, p. 418 (*Scoparia*)
Waitati DN, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1939, p. 427, pl. lvi fig. 9.

turnéri Philpott, 1928a, p. 362 (*Scoparia*)
Arthur's Pass NC/WD, A.J. Turner; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 425, not figured.

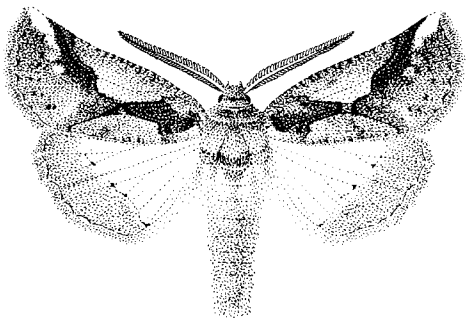
valenternota Howes, 1946, pp. 146–147 (*Scoparia*)
Homer Cirque FD, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Howes 1946, p. 146, pl. 8 fig. 1, pl. 9 fig. 1.

declavata Hudson, 1950, 101–102 (*Scoparia*). **New synonymy.**
Homer Tunnel, Homer Cirque FD, W.G. Howes; LT ♂ here designated, labelled "1291a", NMNZ.
Hudson 1950, pp. 101–102, pl. vi fig. 8 (cf. Howes 1946, pl. 8 fig. 1).
Note. The specimens seen by Hudson (1950, p. 101) are part of the series taken by Howes in December 1942 – January 1943. J.T. Salmon, a close friend of Hudson's, collected with Howes at this time (Howes 1946, p. 139). Specimens in the Howes and Hudson collections at NMNZ are indistinguishable, and the above synonymy must be proposed.

vulpecula Meyrick, 1927a, pp. 697–698 (*Scoparia*)
Bold Peak OL, G.V. Hudson; HT ♀ unique, BM Pyral. slide no. 3666 ♀, BMNH.
Hudson 1928, p. 195, pl. xxi fig. 32.

Excluded species: Klima (1939, p. 353) lists under *Ischnurges* Lederer the species *Nesolocha autolitha* Meyrick as from "?New-Seeland". The original description by Meyrick (1886g, p. 240) clearly states "Port Moresby, New Guinea".

Superfamily GEOMETROIDEA
Family GEOMETRIDAE
Subfamily ENNOMINAE
(in the sense of McGuffin 1972, pp. 5–6)



Geometridae: Ennominae
(177) *Declana junctilinea* (Walker)

• ***Chalastra*** Walker, 1862b, pp. 1429–1430. Type species *Chalastra pellurgata* Walker, by original monotypy.
Note. Under this name I place species included by Meyrick in *Selidosema* of authors, with a reduced, rounded uncus and no spinose process on the disc of the valva.

aristarcha Meyrick, 1892, pp. 216–217 (*Selidosema*) **new combination**
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1898, p. 85, pl. ix fig. 17 and 18; 1928, pp. 137–138, pl. xvi fig. 30 and 31; as *Selidosema aristarcha.*

ochrea Howes, 1911, p. 127 (*Selidosema*) **new combination**
Dunedin DN, W.G. Howes; HT ♂ designated by Howes, BMNH.
Hudson 1928, p. 142, pl. xlviii fig. 27.

prototoxa Meyrick, 1919, pp. 350–351 (*Selidosema*). **New synonymy.**
Tokaanu TO, C. O'Connor; HT ♀ unique, BMNH.
Hudson 1928, pp. 142–143, pl. xlvii fig. 23 and 24, as species.
Note. Material in NZAC shows clear intergradation of the two colour forms; genitalia are indistinguishable, and therefore synonymy is proposed.

pellurgata Walker, 1862b, p. 1430 (*Chalastra*)
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, pp. 88–89, pl. ix fig. 33–36, as *Chalastra pelurgata*, after Meyrick (§1884c, p. 235; 1885d, p. 66), an unjustified emendation; 1928, p. 137, pl. xvi fig. 14–17, as *Selidosema pelurgata.*

cinerascens Felder & Rogenhofer, 1875, pl. cxxxi fig. 1 (*Itama*?). Synonymised by Meyrick (§1884c, p. 235; 1885d, p. 66).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1898, p. 88; 1928, p. 137; as synonym.

streptophora Meyrick, §1883d, p. 530; 1884b, p. 106 (*Stratocleis*). Synonymised by Meyrick (§1884c, p. 235; 1885d, p. 66).
Otira Gorge WD, 1500 ft, E. Meyrick; LT ♀ here designated, labelled "Otira Gorge New Zealand 1500 ft 24/1/83", "Lectotype ♀ Stratocleis streptophora Meyrick, J.S. Dugdale 1981", BMNH.
Hudson 1898, p. 88; 1928, p. 137; as synonym.

pelurgata Meyrick, §1884c, p. 235; 1885d, p. 66 (*Chalastra*), unjustified emendation.

• ***Cleora*** Curtis, 1825, p. 88 (Fletcher 1967, pp. 4–5). Type species *Geometra cinctaria* Denis & Schiffermüller, 1775, by original designation; Palearctic.

Barsine Meyrick, §1883d, p. 530; 1884b, p. 100; not Walker, 1854, p. 546. Type species *Scotosia panagrata* Walker, by original monotypy and subsequent designation (Meyrick 1917b, p. 266). Synonymised by Fletcher (1967, p. 5).

Meyrickia Butler, 1884b, p. 133, replacement name for *Barsine* Meyrick, preoccupied by *Barsine* Walker, 1854 (Arctiidae). Synonymised by Fletcher (1967, p. 5).
Note. Fletcher (1967, pp. 4–5) gives synonymies applying beyond New Zealand.

scriptaria Walker, 1860b, p. 422 (*Tephrosia*)
[Wellington WN], Parry; HT ♀ unique, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym of *Selidosema dejectaria*, after Meyrick (§1883d, p. 530; 1917b, p. 268). Hudson 1898, p. 87, pl. ix fig. 25–30; 1928, pp. 144–145, pl. xvii fig. 20–23; as *Selidosema panagrata*, after Meyrick (§1883d, p. 530; 1917b, p. 268). Fletcher 1967, p. 112, as *Cleora scriptaria.*

stigmaticata Walker, 1862b, pp. 1359–1360 (*Scotosia*). Synonymised by Fletcher (1967, p. 112).
[Auckland AK], D. Bolton; HT ♀ unique, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym of *Selidosema dejectaria.*

panagrata Walker, 1862b, p. 1360 (*Scotosia*). Synonymised by Fletcher (1967, p. 112).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 87; 1928, pp. 144–145; as *Selidosema panagrata*, after Meyrick (1917b, p. 268).

menanaria Walker, 1863a, p. 1500 (*Angerona*). Synonymised by Meyrick (§1883d, p.530; 1884b, p. 100).
[?Auckland AK], J.F. Churton; HT ♀ unique, BMNH.
Hudson 1898, p. 87; 1928, p. 144; as synonym.

antipodaria Felder, 1875, pl. cxxvi fig. 2 (*Epirranthis*). Synonymised by Meyrick (§1883d, p. 530;

1884b, p. 100).
[Nelson NN, T.R. Oxley]; HT ♀ unique, head missing, BMNH.
Hudson 1898, p. 87; 1928, p. 144; as synonym.

desiccata Butler, 1879a, p. 459 (*Hyperythra*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
[Dunedin DN], F.W. Hutton; HT ♂ designated by Butler, BMNH.
Hudson 1898, p. 87; 1928, p. 144; as synonym.

arenacea Butler, 1879a, p. 459 (*Hyperythra*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
[Dunedin DN], F.W. Hutton; HT ♀ unique, BMNH.
Hudson 1898, p. 87; 1928, p. 144; as synonym.

• ***Declana*** Walker, 1858c, p. 1649. Type species *Declana floccosa* Walker, 1858c, by original monotypy.

Ipana Walker, 1858c, pp. 1661–1662. Type species *Ipana leptomera* Walker, 1858, by original monotypy. Synonymised by Meyrick (1917b, p. 270).

Argua Walker, 1863c, p. 448. Type species *Argua scabra* Walker, 1863, by original monotypy. Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 102).

Detunda Walker, 1865a, pp. 618–619. Type species *Detunda atronivea* Walker, 1865, by original monotypy. Synonymised by Hudson (1898, p. 95).

Politeia Walker, 1865a, p. 642. Type species *Politeia junctilinea* Walker, 1865, by original monotypy. Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 65).

Amphitape Felder & Rogenhofer, 1875, pl. cix fig. 10 ("Erklarung"). Type species *Amphitape crassitibia* Felder & Rogenhofer, 1875, by original monotypy. Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 103).

Epicasis Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Atossa* Meyrick, §1883d, p. 530; 1884b, pp. 103–104, preoccupied by *Atossa* Thomson, 1864 (Coleoptera). Type species *Declana niveata* Butler, 1879, p. 500, by original monotypy. Synonymised by Hudson (1898, p. 98).

Anatossa Warren, 1894, p. 466, [needless] replacement name for *Atossa* Meyrick.

atronivea Walker, 1865a, p. 619 (*Detunda*)
[Wellington WN], Captain Parry; HT ♂ unique, BMNH.
Hudson 1898, p. 95, pl. x fig. 33 and 34; 1928, pp. 153–154, pl. xviii fig. 18; as *Declana atronivea*.

manxifera Fereday, 1880, pp. 268–270 (?*Chlenias*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 101).
Wellington WN, W.T.L. Travers; HT ♀ labelled as "TYPE", CMNZ.
Hudson 1898, p. 95; 1928, p. 153; as synonym.

egregia Felder & Rogenhofer, 1875, pl. cxxxi fig. 24 (*Chlenias*)
[Nelson NN, T.R. Oxley], "Australia merid[ionalis]"; HT ♂ unique, BMNH.
Hudson 1898, p. 96, pl. x fig. 35; 1928, p. 154, pl. xviii fig. 17; as *Declana egregia*.

feredayi Butler, 1877, p. 398, pl. 43 fig. 5 (*Declana*)
[Castle Hill] MC, J.D. Enys; HT ♂ unique, BMNH.
Hudson 1898, p. 96, as synonym of *Declana floccosa*, after Meyrick (§1883d, p. 530; 1884b, p. 102); 1928, p. 152, pl. xvii fig. 20–22, as species.

sinuosa Philpott, 1915, p. 197 (*Declana*). Synonymised by Prout (1927, p. 79).
Ben Lomond OL, M.O. Pasco; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 152, as synonym of *D. feredayi* (cf. Meyrick 1917b, p. 270, as species).

floccosa Walker, 1858c, pp. 1649–1650 (*Declana*)
[Auckland AK], D. Bolton; LT ♀ designated by D.S. Fletcher, BM Geometridae genitalia slide no. 5361, BMNH.
Hudson 1898, pp. 96–97, pl. x fig. 39–47; 1928, pp. 151–152, pl. xviii fig. 23–34.

scabra Walker, 1863c, p. 448 (*Argua*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 102).
[Nelson NN], T.R. Oxley; LT ♀ here designated, labelled "Auckland N. Zeal. 60-73" (circular), "Type" (circular, green margin), "Geometridae genitalia slide no. 5362", antennae missing, BMNH.
Hudson 1898, p. 96; 1928, p. 151; as synonym.

nigrosparsa Butler, 1879a, p. 500 (*Declana*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 102).
[Dunedin DN], F.W. Hutton; HT ♀ designated by Butler, abdomen missing, BMNH.
Hudson 1898, p. 96; 1928, p. 151; as synonym.

callista Salmon, 1946, p. 4 (*Declana*). **New synonymy.**
Gertrude Cirque, Upper Hollyford Valley FD, J.T. Salmon; HT ♂ unique, NMNZ.
Hudson 1950, pp. 96–97, pl. vii fig. 3.

glacialis Hudson, 1903, p. 245 (*Declana*)
Sealey Range MK, G.V. Hudson; LT ♂ here designated, labelled "317e", ["Mueller terminal moraine and lower spurs of Sealey Range, Dec 15 + 18, 1899"], NMNZ.
Hudson 1928, p. 153, pl. xviii fig. 9 and 10.

griseata Hudson, 1898, p. 98 (*Declana*)
Lake Wakatipu OL, G.V. Hudson; LT ♂ [Hudson label 334b: "Head of L. Wakatipu Jan 8 1894"] in Hudson Collection, NMNZ.
Hudson 1898, p. 98, pl. x fig. 32; 1928, p. 151, pl. xviii fig. 15 and 16.

hermione Hudson, 1898, p. 98 (*Declana*)
[Khandallah WN], G.V. Hudson; HT ♂ unique, labelled "140a", NMNZ.
Hudson 1898, p. 98, pl. x fig. 36; 1928, p. 152, pl. xvii fig. 19.

junctilinea Walker, 1865a, p. 643 (*Politeia*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 98, pl. x fig. 37 and 38, as *Declana junctilinea* Felder; 1928, p. 152, pl. xvii fig. 11–14, ascribed to Walker.

verrucosa Felder & Rogenhofer, 1875, pl. cxxxi fig. 22 (*Chlenias*). Synonymised by Meyrick (§1884c, p. 234).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BM Geometridae genitalia slide no. 4211, BMNH.
Hudson 1928, p. 152, as synonym.
Note. Hudson (1928, pl. xviii fig. 11) gives a good match for the colour pattern of HT *junctilinea*, and in pl. xviii fig. 13 likewise for the colour pattern of HT *verrucosa*.

leptomera Walker, 1858c, p. 1662 (*Ipana*)
[Auckland AK], D. Bolton; LT ♂ so labelled, BMNH.
Hudson 1898, p. 94, pl. x fig. 29, 31, and 31a, as *Ipana leptomera*; 1928, pp. 150–151, pl. xviii fig. 35–37, as *Declana leptomera*.

crassitibia Felder & Rogenhofer, 1875, pl. cix fig. 10 (*Amphitape*). Synonymised by Meyrick (§1884c, pp. 234-235; 1885b, p. 66).
Hudson 1928, p. 150, as synonym.

niveata Butler, 1879a, p. 500 (*Declana*)
[Dunedin DN], F.W. Hutton; HT ♂ designated by Butler, BMNH.
Hudson 1898, pp. 98–99, not figured; 1928, p. 151, pl. xviii fig. 19.

toreuta Meyrick, 1929, pp. 486–487 (*Declana*)
Arthur's Pass NC/WD, W.H. Burrow; LT ♀ here designated, labelled "Selidosema toreuta Meyrick type ♀ det. D.S. Fletcher 1960", "Arthurs Pass New Zealand WHB bred '28", abdomen missing, BMNH.
Hudson 1939, p. 417, pl. lv fig. 24 (♀); 1950, pl. viii fig. 9 (♂; as *Declana floccosa*).
Note. The specimen figured by Hudson (1950, p. 97, pl. v fig. 5) as *D. toreuta* ♂ is a characteristic subalpine *D. hermione*.

Also 2 undescribed species (NZAC).

• ***Gellonia*** Meyrick, §1884c, p. 234. Type species *Boarmia dejectaria* Walker, by original monotypy.

Gelonia Meyrick, 1885d, p. 65, incorrect subsequent spelling (Fletcher 1979, p. 90).
Note. Fletcher (1979, p. 90) discusses the validity of *Gellonia* vs *Gelonia*. The genus is revived here, as on facies and genitalia it differs markedly from other species placed by Meyrick in *Selidosema* of authors.

dejectaria Walker, 1860b, p. 394 (*Boarmia*)
[Wellington WN], Captain Parry; HT ♂ unique, BMNH.
Hudson 1898, p. 86, pl. ix fig. 21–24; 1928, pp. 145–146, pl. xvii fig. 24–26; as *Selidosema dejectaria*, after Meyrick (1917b, p. 268).

attracta Walker, 1860b, pp. 394–395 (*Boarmia*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
"New Zealand, Mr Sowerby, Major Parry, and Dr Sinclair"; LT(?) ♀ so labelled, bearing accession label 45.30 (i.e., Waikouaiti DN, P. Earl), BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym.
Note. As the LT was not collected by Sowerby, Parry, or Sinclair, its status is doubtful.

exprompta Walker, 1860b, p. 395 (*Boarmia*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
[Auckland AK], A. Sinclair; HT ♂ unique, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym.

patularia Walker, 1860b, p. 422 (*Tephrosia*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
[Auckland AK], A. Sinclair; HT ♀ unique, BM Geometridae genitalia slide no. 4206, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym.

erebinata Walker, 1862b, pp. 1358–1359 (*Scotosia*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym.

lignosata Walker, 1862b, p. 1361 (*Scotosia*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
[Auckland AK], D. Bolton; HT ♀ unique, abdomen missing, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym.

caprimulgata Felder & Rogenhofer, 1875, pl. cxxvi fig. 12 (*Hemerophila*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym.

pannularia Guenée, 1868, p. 42 (*Gnophos*)
[Christchurch MC], R.W. Fereday; HT ♂ so labelled, BMNH.
Hudson 1898, p. 86, pl. ix fig. 19 and 20, as *Selidosema dejectaria* (part), following Meyrick (1917b, p. 268), and as synonym; 1928, p. 145, not figured, as synonym.
Note. This name is revived for the "stumpy winged" form of *dejectaria* of authors, distinct on pattern and wing shape – as noted by Meyrick (1884b, p. 100) and illustrated by Hudson (1898, pl. ix fig. 19 and 20) – and on genitalia.

maoriata Felder & Rogenhofer, 1875, pl. cxxvi fig. 4 (*Scotopteryx*). Synonymised by Meyrick (§1883d, p. 530, as *masriata*; 1884b, p. 100), as synonym of *Boarmia dejectaria*.
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym of *Selidosema dejectaria*, after Meyrick (1917b, p. 268).

sulpitiata Felder & Rogenhofer, 1875, pl. cxxvi fig. 7 (*Hemerophila*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 100), as synonym of *Boarmia dejectaria*.
[Nelson NN, T.R. Oxley]; HT ♀ unique, tip of abdomen missing, BMNH.
Hudson 1898, p. 86; 1928, p. 145; as synonym of *Selidosema dejectaria*, after Meyrick (1917b, p. 268).

• ***Ischalis*** Walker, 1863a, p. 1749. Type species *Ischalis thermochromata* Walker, by original monotypy.

Polygonia Guenée, 1868, p. 41, preoccupied by *Polygonia* Geyer, 1837 (Epiplemidae). Type species *Polygonia fortinata* Guenée, by original monotypy. Synonymised by Meyrick (1884b, p. 106).

Stratocleis Meyrick, §1883d, p. 530; 1884b, p. 105. Type species *Selenia gallaria* Walker, by subsequent designation (Poole 1970, p. 135). Synonymised by Poole (1970, p. 135).

Gonophylla Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Phyllodyce* Meyrick, §1883d, p. 530; 1884b, p. 104; preoccupied by *Phyllodoce* Ranzani, 1817 (Vermes). Type species *Gonodontis nelsonaria* Felder & Rogenhofer. Synonymised by Meyrick (1917b, p. 269).

Azelina in the sense of Meyrick (1917b, p. 269) but not Guenée (1857). Synonymised by Poole (1970, p. 135).

fortinata Guenée, 1868, p. 41 (*Polygonia*)
[?Akaroa, Banks Peninsula MC], R.W. Fereday; HT ♂ labelled "ex typicalibus specimenibus" by Guenée, BMNH.
Hudson 1898, p. 93, pl. x fig. 24 and 25; 1928, pp. 148–149, pl. xvii fig. 7 and 8; as *Azelina fortinata*, after Meyrick (§1883d, p. 531; 1884b, p. 106; 1917b, p. 269).

ziczac Felder & Rogenhofer, 1875, pl. cxxvi fig. 4 (*Caustaloma*?). Synonymised by Meyrick (§1883d, p. 531; 1884b, p. 106).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 93; 1928, p. 148; as synonym.

gallaria Walker, 1860a, p. 185 (*Selenia*)
[Waikouaiti DN], P. Earl; HT ♀ unique, BMNH.
Hudson 1898, p. 92, pl. x fig. 13–23; 1928, pp. 149–150, pl. xviii fig. 1–6; as *Azelina gallaria*, after Meyrick (1917b, p. 269).

thermochromata Walker, 1863a, p. 1750 (*Ischalis*). Synonymised by Prout (1927, p. 79).
[Wellington WN], Major Parry; HT ♂ unique, abdomen broken, BMNH.
Hudson 1928, p. 149, as synonym, after Meyrick (1917b, p. 269).

palthidiata Felder & Rogenhofer, 1875, pl. cxxxii fig. 21 (*Euchlaena*?). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 105).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 92, as synonym, after Meyrick (1884b, p. 105).

palthidiata* var. *cinerea Felder & Rogenhofer, 1875, pl. cxxxii fig. 22 (*Euchlaena*?). Synonymised by Prout (1927, p. 79).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Not mentioned by Hudson.

venustula Salmon, 1956, pp. 574–575 (as subspecies of *Azelina gallaria*). **New synonymy.**
Little Barrier Island CL, J.T. Salmon; HT ♂ unique, designated by Salmon, "Type in the author's collection", not found in NMNZ.
Salmon 1956, pp. 574–575, pl. 22 fig. 1.
Note. The characteristic *venustula* colour pattern is present in most populations of *I. gallaria*.

nelsonaria Felder & Rogenhofer, 1875, pl. cxxviii fig. 3 (*Gonodontis*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, pp. 90–91, pl. x fig. 3–6, as *Gonophylla nelsonaria*, after Meyrick (§1883d, p. 530; 1884b, p. 104; §1885h, p. 589; 1886, p. 184); 1928, p. 150, pl. xvii fig. 7 and 8, as *Azelina nelsonaria*, after Meyrick (1917b, p. 269).

felix Butler, 1877, p. 389 (*Gonodontis*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 104).
[Castle Hill Station MC], J.D. Enys; HT ♀ designated as "type" by Butler, ♂ abdomen glued on, BMNH.
Hudson 1898, p. 90; 1928, p. 150; as synonym.

variabilis Warren, 1895, p. 153 (*Polygonia*)
[Nelson NN, T.R. Oxley]; LT ♂ selected by L.B. Prout and so labelled, BMNH.
Hudson 1898, p. 93, pl. x fig. 26–28, as *Azelina ophiopa*; 1928, p. 148, pl. xvii fig. 15–18, as *Azelina variabilis*.

ophiopa Meyrick, 1897b, p. 387 (*Gonophylla*). Synonymised by Prout (1927, p. 79).
Wellington WN, G.V. Hudson; HT ♂ unique, abdomen missing, BMNH.
Hudson 1898, p. 93, as species; 1928, p. 148, as synonym.

Also 1 undescribed species (NZAC).

• ***Pseudocoremia*** Butler, 1877, p. 394; reinstated by Prout (1912, p. 53). Type species *Selidosema? fragosata* Felder & Rogenhofer, by original designation.

Zylobara Butler, 1897, p. 498. Type species *Selidosema fenerata* Felder & Rogenhofer, 1975, by original designation. Synonymised by Meyrick (1888b, p. 61).

Selidosema in the sense of Meyrick (1917b, p. 266), not Hübner ([1823], p. 299) (Prout 1927, p. 79).

albafasciata Philpott, 1915, pp. 196–197 (*Selidosema*) **new combination**

Taihape RI, H. Hamilton; HT ♂ designated by Philpott, NMNZ.

Hudson 1928, p. 142, pl. xvii fig. 3, as *Selidosema albifasciata.*

Note. Although both the original spelling and the emendation "*albifasciata*" by Meyrick (1917, p. 267) are wrong formations (*albofasciata* is correct), *albafasciata* is retained as the correct original spelling under ICZN Rules, Article 32a (ii) and 32c. See also *Asaphodes albalineata.* HT ♂ externally is very similar to *lactiflua*; both have a characteristically shirred (transversely finely strigose) wing pattern.

berylia Howes, 1943, p. 372 (*Selidosema*)

Homer Cirque FD, J. Sutherland; HT ♂ designated by Howes, NMNZ.

Hudson 1950, pp. 90–91, pl. v fig. 1.

campbelli Philpott, 1927a, p. 705 (*Selidosema*) **new combination**

Blackball BR, J.W. Campbell; HT ♀ unique, designated by Philpott, NZAC.

Hudson 1928, p. 138, pl. xxxviii fig. 34, as *Selidosema campbelli.*

Note. *P. campbelli* is unusual in having pectinate antennae in the ♀. It has not been reported subsequently.

cineracia Howes, 1942, pp. 277–278 (*Selidosema*) **new combination**

[Ben Mohr], Moke Lake OL, W.G. Howes; HT ♂ designated by Howes, NMNZ.

Hudson 1950, p. 92, pl. iii fig. 9, as *Selidosema cineracia.*

colpogramma Meyrick, 1936, p. 281 (*Selidosema*) **new combination**

Arthur's Pass NC/WD, G.V. Hudson; LT ♀ here designated, labelled "Arthurs Pass New Zealand GVH bred '33", "Selidosema colpogramma Meyr. allotype ♀" (L.B. Prout's writing), "LECTOTYPE ♀ Selidosema colpogramma Meyrick J.S. Dugdale 1981", head and abdomen missing, BMNH.

Hudson 1939, p. 413, pl. lv fig. 31 and 32, as *Selidosema colpogramma.*

Note. Prout's original LT designation is a ♂ which shows none of the colour pattern characteristics depicted by Hudson, who based his illustrations of ♂ and ♀ on the original reared series. Designation of the LT ♀ as above fixes the name *colprogramma* on a specimen agreeing with both Meyrick's description and Hudson's illustration, bred from *Cassinia* (Asteraceae).

fascialata Philpott, 1903, pp. 248–249, pl. xxxii fig. 7 (*Selidosema*) **new combination**

West Plains SL, A. Philpott; LT ♂ here designated, labelled "West Plains" (no date), one of 2 ♂♂ in Philpott Collection, NZAC.

Hudson 1928, p. 139, pl. xvi fig. 1 and 2, as *Selidosema fascialata.*

fenerata Felder & Rogenhofer, 1875, pl. cxxxi fig. 7 (*Selidosema*) **new combination**

[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.

Hudson 1898, p. 82, pl. viii fig. 50 and 51; 1928, p. 144, pl. xvii fig. 13 and 14; as *Selidosema fenerata.*

Note. Butler (1879, p. 498) referred to this species as *Zylobara fenerata.*

argentaria Philpott, 1913, p. 77 (*Selidosema*). **New synonymy.**

West Plains SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 144, pl. xvii fig. 11 and 12, as species.

adusta Philpott, 1930c, pp. 435–436 (*Selidosema*). **New synonymy.**

Governor's Bush MK, A. Philpott; HT ♂ designated by Philpott, CMNZ.

Hudson 1939, p. 415, pl. lv fig. 8, as species.

Note. No consistent differences in genitalia or larvae were observed between FRNZ specimens from Southland (= *argentaria*), subalpine localities in the North and South islands (= *adusta*), and lowland localities from Dunedin northwards (= *fenerata*), hence the proposed synonymy.

flava Warren, 1896b, p. 406 (*Pseudocoremia*)

Greymouth WD, R. Helms; HT ♂ unique, BMNH.

Hudson 1939, p. 413, pl. lv fig. 23, as *Selidosema flava*, after Philpott (1928a, pp. 360–361).

fluminea Philpott, 1926a, p. 389 (*Selidosema*) **new combination**

Flora River, Mount Arthur NN, A. Philpott; HT ♂ designated by Philpott, tip of abdomen missing, NZAC.

Hudson 1928, p. 139, as synonym of *Selidosema productata*; 1939, p. 414, and 1928, pl. xlviii fig. 26, as species, after Philpott (1928g, p. 485, fig. 9 and 10).

indistincta Butler, 1877, p. 394, pl. 43 fig. 8 (*Pseudocoremia*)

[Dunedin DN], J. Hector; HT ♂ designated by Butler, BMNH.

Hudson 1928, p. 140, pl. xvii fig. 1 and 2, as *Selidosema indistincta.*

Note. A ♀ specimen from Blenheim MB, collected by W. Skellon, bears the manuscript name "var. *confusa* Butler", and refers to "Pseudocoremia productata n.sp." (Butler 1880, p. 551, line 5).

insignita Philpott, 1930b, p. 2 (*Selidosema*) **new combination**

Kaeo ND, C.E. Clarke; HT ♂ unique, designated by Philpott, AMNZ.

Hudson 1939, pp. 414–415, pl. lv fig. 15, as *Selidosema insignita.*

Note. Males in NZAC have the apical 9–13 antennal segments non-pectinate, and the wing pattern differences noted by Philpott and figured by Hudson are variable.

pergrata Philpott, 1930b, p. 2 (*Selidosema*). **New synonymy.**

Sandymount DN, C.E. Clarke; HT ♂ unique, designated by Philpott, AMNZ.
Hudson 1939, p. 415, pl. lv fig. 16, as species.

lactiflua Meyrick, 1912c, pp. 117–118 (*Selidosema*)
[Routeburn Valley], Lake Wakatipu OL, G.V. Hudson; LT ♂ here designated, labelled "L. Wakatipu New Zealand G.V.H. 2.11", "Selidosema lactiflua Meyr. ♂ Type" (L.B. Prout's writing), BMNH.
Hudson 1928, p. 140, pl. xvi fig. 27 and 28, as *Selidosema lactiflua.*

leucelaea Meyrick, 1909a, pp. 6–7 (*Selidosema*)
Invercargill SL, A. Philpott; LT ♂ selected by L.B. Prout, BMNH.
Hudson 1898, pl. ix fig. 10 and 14, as *Selidosema productata*; 1928, p. 141, pl. xvi fig. 12 and 13, as *Selidosema leucelaea.*

lupinata Felder & Rogenhofer, 1875, pl. cxxxi fig. 19 (*Cidaria*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Meyrick §1883d, p. 530; 1884b, p. 99; as *Pseudocoremia lupinata.* Hudson 1928, p. 143, pl. xvii fig. 5 and 6, as *Selidosema lupinata*, after Meyrick (1909, p. 7).

humillima Hudson, 1898, pp. 83–84 (*Selidosema*). Synonymised by Meyrick (1909a, p. 7).
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "213a" ["at rest on fence W'ton Terrace Dec. 22 '88" – entry in Hudson Register], NMNZ.
Hudson 1898, pp. 83–84, pl. ix fig. 5.

lutea Philpott, 1914, p. 119 (*Selidosema*) **new combination**
Bold Peak, Humboldt Range FD, C.C. Fenwick; HT ♂ not designated by Philpott, one of 2 ♂♂ labelled "Bold Peak 24 Dec. 1913 C.C. Fenwick", NMNZ.
Hudson 1928, p. 142, pl. xvi fig. 32 and 33, as *Selidosema lutea.*

melinata Felder & Rogenhofer, 1875, pl. cxxxi fig. 9 (*Numeria*)
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1898, p. 85, pl. ix fig. 15 and 16, as *Selidosema melinata.*
Note. Meyrick (§1883d, p. 530; 1884b, p. 99) referred to this species as *Pseudocoremia melinata.*

pungata Felder & Rogenhofer, 1875, pl. cxxxi fig. 23 (*Selidosema*). Synonymised by Prout (1927, p. 79).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1898, p. 84, as synonym of *Selidosema productata*; 1928, p. 138, as synonym.

cremnopa Meyrick, 1897b, p. 387 (*Selidosema*). Synonymised by Prout (1927, p. 79).
Auckland AK, E. Meyrick; LT ♂ selected by L.B. Prout, abdomen missing, BMNH.
Hudson 1928, p. 138, as synonym.

scariphota Meyrick, 1915a, p. 202 (*Selidosema*). Synonymised by Philpott (1931, p. 26).
Makara WN, R.M. Sunley; HT ♂ unique, BMNH.
Hudson 1928, p. 138, pl. xvi fig. 29, as species.
Note. Hudson (1939, p. 413) was unsure of distinctions between *melinata*, *cremnopa*, and *scariphota.* Material in NZAC from several localities and reared from *Carmichaelia* shows colour patterns of all three, thus upholding Prout's synonymies.

modica Philpott, 1921, pp. 339–340 (*Selidosema*) **new combination**
Port Hills, Banks Peninsula MC, E.S. Gourlay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 140, not figured; 1939, p. 414, pl. lvi fig. 1 and 2.

monacha Hudson, 1903, p. 245, pl. 30 fig. 4 (*Selidosema*)
?locality, ?collector; HT ♀ unique, head missing, CMNZ.
Hudson 1928, p. 141, pl. xvi fig. 25 and 26, as *Selidosema monacha.*

maculosa Howes, 1914, p. 96 (*Pseudocoremia*). Synonymised by Hudson (1928, p. 141).
Queenstown OL, M.O. Pasco; HT ♂ unique, AMNZ.
Hudson 1928, p. 141, as synonym.

ampla* var. *bistonaria Hudson, 1950, p. 93 (*Selidosema*). **New synonymy.**
Governor's Bush, Mount Cook MK, G.V. Hudson; HT ♂ unique, NMNZ.
Hudson 1950, p. 93, pl. vii fig. 5, as variety.
Note. Hudson's HT is a somewhat clouded but otherwise unexceptional specimen of *monacha*, the only known *Pseudocoremia* restricted to *Phyllocladus.*

ombrodes Meyrick, 1902c, pp. 275–276 (*Selidosema*) **new combination**
Chatham Island, J. Fougere; LT ♂ selected as HT by L.B. Prout, BMNH.
Hudson 1928, p. 144, pl. xliv fig. 6, as *Selidosema ombrodes.*
Note. See Holloway (1977, pp. 136–138, fig. 104, 107, and 108, pl. 29 fig. 11 and 12) for comparison with *P. christiani* Holloway from Norfolk Island.

productata Walker, 1862a, p. 1197 (*Larentia*)
[Nelson NN], T.R. Oxley; HT ♀ unique, abdomen glued on, BMNH.
Hudson 1898, p. 84, pl. ix fig. 6–14; 1928, p. 139, pl. xvi fig. 9–11; as *Selidosema productata.*

fragosata Felder & Rogenhofer, 1875, pl. cxxxi fig. 28 (*Selidosema?*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 98).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen in capsule, BMNH.
Hudson 1898, p. 84; 1928, p. 139; as synonym.
Note. See Holloway (1977, pp. 136–138, fig. 104, 107, and 108, pl. 29 fig. 11 and 12) for a comparison between *P. productata* and Norfolk Island *P. christiani* Holloway.

rudisata rudisata Walker, 1862b, p. 1420 (*Cidaria*) **new combination**
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1898, p. 82, pl. ix fig. 1 and 2; 1928, p. 143, pl. xvi fig. 23; as *Selidosema rudiata*, after Meyrick (1891, p. 101), an unjustified emendation.

astrapia Meyrick, 1890, pp. 218–219 (*Boarmia*). Synonymised by Meyrick (1891, p. 101).
Wellington WN, G.V. Hudson; LT ♂ selected by L.B. Prout, BMNH.
Hudson 1898, p. 82; 1928, p. 143; as synonym.

rudisata ampla Hudson, 1923b, p. 129 (*Selidosema*; as species)
Stoney Creek, Glenorchy OL, F.S. Oliver; HT (?gender) in Oliver Collection, lost.
Hudson 1928, p. 143, pl. li fig. 8, pl. xvi fig. 23, as species.
Note. North and South island populations of *rudisata* differ in forewing pattern (see Hudson 1928, pl. xvi fig. 23 and 24), North Island specimens having the lines strongly zig-zag.

suavis Butler, 1879a, p. 497 (*Pseudocoremia*)
[Christchurch MC], F.W. Hutton; HT ♂ designated by Butler as "♂ type", BMNH.
Hudson 1898, p. 83, pl. ix fig. 3 and 4; 1928, p. 142, pl. xvi fig. 18–22; as *Selidosema suavis*.

usitata Butler, 1879a, p. 501 (*Pachycnemia*). Synonymised by Meyrick (1891, p. 107).
[Dunedin DN], F.W. Hutton; HT ♀ designated by Butler as "type", BMNH.
Hudson 1898, p. 83; 1928, p. 142; as synonym.
Note. HT *usitata* appears rather narrow-winged, but this may be due to rolling of the dorsum margin.

terrena Philpott, 1915, p. 196 (*Selidosema*) **new combination**
Bold Peak, Humboldt Mountains OL, H. Hamilton; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 140, pl. xvi fig. 34, as *Selidosema terrena*.

Also 2 undescribed species (NZAC).

• ***Sarisa*** Fletcher, 1979, p. 185, replacement name for *Gargaphia* Walker. Type species *Gargaphia muriferata* Walker, by original monotypy.

Gargaphia Walker, 1863a, p. 1364, preoccupied by *Gargaphia* Stål, 1862 (Hemiptera).

muriferata Walker, 1863a, p. 1365 (*Gargaphia*)
[Nelson NN], T.R. Oxley; HT ♀ unique, abdomen missing, BMNH.
Hudson 1898, pp. 91–92, pl. x fig. 7–11, as *Drepanodes muriferata*, after Meyrick (§1883d, p. 531; 1884b, p. 107); 1928, p. 147, pl. xvii fig. 34–36, as *Gargaphia muriferata*.

ephyraria Walker, 1863a, p. 1761 (*Panagra*). Synonymised by Meyrick (§1883d, p. 531; 1884b, p. 107).
[Nelson NN], T.R. Oxley; HT ♀ unique, an abdomen glued on, BMNH.
Hudson 1898, p. 91; 1928, p. 147; as synonym.

cookaria Felder & Rogenhofer, 1875, pl. cxxiii fig. 26 (*Zanclopteryx*?). Synonymised by Meyrick (§1883d, p. 531; 1884b, p. 107).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 91; 1928, p. 147; as synonym.

haastaria Felder & Rogenhofer, 1875, pl. cxxiii fig. 32 (*Zanclopteryx*?). Synonymised by Meyrick (§1883d, p. 531; 1884b, p. 107).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 91; 1928, p. 147; as synonym.

neoselena Meyrick, 1909b, p. 70 (*Drepanodes*). Synonymised by Dugdale (1971b, p. 91).
Carnley Harbour, Auckland Island, G.V. Hudson; HT ♀ unique, previously labelled as PT, BMNH.
Hudson 1928, p. 148, pl. xvii fig. 27, as *Gargaphia neoselena*.
Note. Dugdale (1971b, pp. 91 and 93) wrongly ascribed type status to Hudson's material, as Meyrick did not return this specimen or others from the subantarctic islands.

• ***Sestra*** Walker, 1863a, p. 1750. Type species *Sestra fusiplagiata* Walker, by original monotypy.

Pseudosestra Butler, 1882b, p. 389. Type species *Lozogramma obtusaria* Walker (as *obtusata*), by original designation. Synonymised by Hudson (1898, p. 89) by implication through synonymy of *obtusaria* with *humeraria*.

Amastris Meyrick, §1883d, p. 530; 1884b, p. 104; preoccupied by *Amastris* Stål, 1860 (Hemiptera) (Fletcher 1979, p. 190). Type species *Amastris encausta* Meyrick. Synonymised by Meyrick (§1885h, p. 589; 1886c, p. 184).

flexata Walker, 1862b, p. 1421 (*Cidaria*)
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1898, pp. 89–90, pl. x fig. 1 and 2, as *Sestra humeraria*; 1928, p. 146, pl. xvii fig. 30–33, as *Sestra flexata* (after Prout 1912, p. 54).

fusiplagiata Walker, 1863a, p. 1751 (*Sestra*). Synonymised by Prout (1912, p. 54).
[Auckland AK], D. Bolton; HT unique, abdomen missing, BMNH.
Hudson 1898, p. 89; 1928, p. 146; as synonym.

encausta Meyrick, §1883d, p. 530; 1884, p. 105 (*Amastris*). Synonymised by Prout (1912, p. 54).
Otira Gorge WD, 1,500 ft, E. Meyrick; LT ♂ here designated, labelled "Otira Gorge New Zealand 1500 ft 24/1/83", "Lectotype ♂ Amastris encausta Meyrick, J.S. Dugdale 1981", BMNH.
Hudson 1898, p. 89; 1928, p. 146; as synonym.

humeraria Walker, 1861, p. 940 (*Macaria*?)
[Auckland AK], A. Sinclair; HT lost; specimen labelled as "Type" from Auckland, collected by D. Bolton (i.e., label "New Zeal. 54-4"), BMNH.

Hudson 1898, p. 90, pl. ix fig. 37, as *Sestra flexata*; 1928, pp. 146–147, pl. xvii fig. 28 and 29, as *Sestra humeraria*, afer Prout (1912, p. 54).

obtusaria Walker, 1861, p. 985 (*Lozogramma*). Synonymised by Meyrick (§1884c, p. 235; 1885d, p. 66); see also Prout (1912, p. 54).
[Auckland AK], A. Sinclair; HT ♂ unique, BMNH.
Hudson 1928, p. 146, as synonym.

obtruncata Walker, 1862b, p. 1421 (*Cidaria*?). Synonymised by Prout (1912, p. 54).
[Auckland AK], D. Bolton; LT ♂ here designated, labelled "New Zeal. 54.4" (circular), "-92 Cidaria? obtruncata" (printed strip), "Type" (red-margined, circular), BMNH.
Hudson 1928, p. 146, as synonym.

punctilineana Walker, 1866b, p. 1780 (*Teras*). Synonymised by Prout (1912, p. 54).
[Auckland AK], D. Bolton; HT unique, abdomen missing, BMNH.
Not mentiond by Hudson.

• ***Zermizinga*** Walker, 1863a, p. 1530. Type species *Zermizinga indocilisaria* Walker, by original monotypy.

indocilisaria Walker, 1863a, p. 1530 (*Zermizinga*)
[Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ unique, BMNH.
Hudson 1898, p. 88, pl. ix fig. 31 and 32; 1928, p. 147, pl. xvii fig. 9 and 10; as *Hybernia indocilis*, an unjustified emendation by Meyrick (§1883d, p. 530; 1884b, p. 97).

boreophilaria Guenée, 1868, p. 61 (*Hybernia*). Synonymised by Meyrick (§1883d, p. 530; 1884b, p. 97).
[Christchurch MC], R.W. Fereday; HT ♂ so labelled, BMNH.
Hudson 1898, p. 88; 1928, p. 147; as synonym.
Note. New Zealand and mainland Australian specimens differ in ♀ hindwing shape, but no Tasmanian material was available. In CMNZ there is a ♀ identical in wing shape to New Zealand ♀♀ "bred from *Acacia* from Tasmania".

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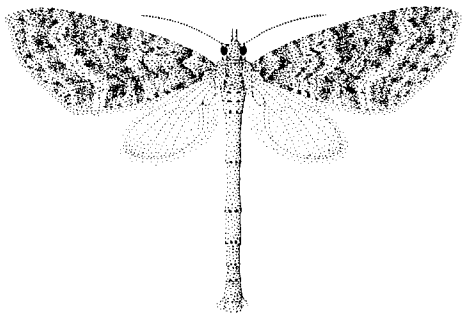
Subfamily LARENTIINAE
(in the sense of McGuffin 1967, p. 7)



Geometridae: Larentiinae
(178) *Tatosoma tipulata* (Walker)

• ***Anachloris*** Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Arsinoe* Meyrick.

Arsinoe Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 73; preoccupied by *Arsinoe* Rafinesque, 1815 (Hymenoptera). Type species *Aspilates*(?) *subochraria* Doubleday, by subsequent designation (Meyrick 1917b, p. 255).

subochraria Doubleday, 1843, p. 285 (*Aspilates*?)
[Auckland AK], A. Sinclair; HT ♀ unique, BMNH.
Hudson 1898, p. 48, pl. vi fig. 45 and 46; 1928, p. 102, pl. xii fig. 37; as *Hydriomena subochraria.*

strangulata Guenée, 1857b, p. 423 (?*Camptogramma*; species credited to Zeller). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 73).
Adelaide S.A., P.C. Zeller; HT ♂ unique, BMNH.
Hudson 1898, p. 48; 1928, p. 102; as synonym.

euboliaria Walker, 1863a, p. 1684 (*Aspilates*). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 64).
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 102, as synonym.

fuscinata Guenée, 1868, p. 92 (*Camptogramma*). Synonymised by Meyrick (§1883d, p. 528, as *pusinata*; 1884b, p. 73).
[Christchurch MC], R.W. Fereday; HT not located.
Hudson 1898, p. 48; 1928, p. 102; as synonym.

• ***Aponotoreas*** Craw, 1986, p. 136. Type species *Larentia anthracias* Meyrick, 1883, by original designation.
Note. Craw (1986, p. 138) includes 4 Australian species.

anthracias Meyrick, §1883d, p. 529; 1884b, pp. 77 (key) and 84 (*Larentia*)
Lake Wakatipu OL, 5,400 ft, E. Meyrick; LT ♂ labelled as "Type ♂", BMNH.
Hudson 1898, pp. 67–68, as *Xanthorhoe anthracias*; 1928, p. 124, pl. xiv fig. 35, as *Notoreas anthracias*.

dissimilis Philpott, 1914, pp. 118–119 (*Venusia*)
Ben Lomond OL, M.O. Pasco; ST series (♂, ♀) lost, formerly in Pasco Collection, SMNZ.
Hudson 1928, p. 119, pl. xiii fig. 8, as *Xanthorhoe dissimilis*, following Prout (1927, p. 76).
Note. Topotypic specimens collected in 1914 are in NZAC.

incompta Philpott, 1918, p. 126 (*Notoreas*)
Kepler Mountains FD, R. Gibb; HT ♂ designated by Philpott, "no. 1483", not located in SMNZ.
Hudson 1928, p. 124, pl. xv fig. 48.
Note. A ♂ designated by Philpott as "Paratype" is in NZAC.

insignis Butler, 1877, p. 393, pl. 43 fig. 1 (*Aspilates*)
[?Castle Hill MC or "Otago" CO], J.D. Enys or J. Hector; HT ♂ labelled by Butler as "type", BMNH.
Hudson 1898, p. 71, pl. viii fig. 3; 1928, p. 123, pl. xiv fig. 27 and 28; as *Notoreas insignis*, after Meyrick (§1885h, p. 589; 1886c, p. 184).

orphnaea Meyrick, §1883d, p. 529; 1884b, pp. 85–86 (*Pasithea*)
Ben Lomond OL, 5,600 ft, E. Meyrick; LT ♀ labelled as "Type" by L.B. Prout, BMNH.
Hudson 1898, pp. 71–72, not figured; 1928, p. 123, pl. xiv fig. 49 and 50; as *Notoreas orphnaea*, after Meyrick (§1885h, p. 589; 1886c, p. 184).

synclinalis Hudson, 1903, p. 244 (*Notoreas*)
Seaward Moss SL, A. Philpott; HT ♂ (specimen no. 544b) not in NMNZ.
Hudson 1928, pp. 122–123, pl. xiv fig. 33 and 34, as *Notoreas synclinalis*.
Note. NZAC has 1 ♂ labelled "Seaward Moss" but with no date, and "Notoreas synclinalis Hudsn.", but there is no indication that the specimen Philpott sent to Hudson was returned.

villosa Philpott, 1917b, pp. 241–242 (*Notoreas*)
The Hump FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 123, pl. xv fig. 23 and 24, as *Notoreas villosa*.

• ***Arctesthes*** Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Stratonice* Meyrick. As *Arcteuthes* in Meyrick 1888b, p. 47 (misprint).

Stratonice Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 64; preoccupied by *Stratonice* Malmgren, 1867 (Vermes). Type species *Fidonia? catapyrrha* Butler, by original monotypy.
Note. Craw (1986, p. 136) reinstated this genus.

catapyrrha Butler, 1877, p. 392, pl. 43 fig. 2 (*Fidonia*?)
[?Castle Hill MC], J.D. Enys; HT ♂ designated by Butler as "Type", BMNH.
Hudson 1898, pp. 68–69, pl. viii fig. 35, as *Lythria euclidiata*, after Meyrick (§1884d, p. 234; 1885d, pp. 63–64 (error)); 1928, p. 131, pl. xv fig. 6, as *Lythria catapyrrha*, after Meyrick (1917b, p. 264).
Note. HT has the hindwings strongly red-flushed below, as have all Canterbury specimens. Otago specimens are less red-flushed, and the discal stripe is not red.

catapyrrha* ab. *fasciata Prout, 1939, p. 246 (*Arctesthes*). **New synonymy.**
Ben Lomond OL, A. Philpott; HT ♀ designated by Prout, BMNH.

catapyrrha* ab. *kaikourensis Prout, 1939, p. 246 (*Arctesthes*).
Mount Tapuaenuku KA, G.V. Hudson; LT ♂ here designated, labelled "Mt Tapuae-nuku (slopes of) 1.3.16", "219z", NMNZ.
Hudson 1928, p. 131, mentions a local form in the Kaikoura Mountains.

siris Hudson, 1908, p. 106 (*Lythria*)
Old Man Range CO, J.H. Lewis; LT ♂ here designated, labelled "725a" ["Old Man Range at about 4000 ft. Feb. '06 (J.H. Lewis)" – Hudson's Register], NMNZ.
Hudson 1928, p. 131, pl. xv fig. 4 and 5, as *Lythria siris*. Prout 1939, p. 246, pl. 24 line h, as *Arctesthes siris*.

• ***Asaphodes*** Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Thyone* Meyrick

Thyone Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 61; preoccupied by *Thyone* Phillipi, 1840 (Crustacea). Type species *Aspilates abrogata* Walker, by original monotypy.
Note. *Asaphodes* was reinterpreted by Dugdale (1971b, pp. 93–95,) and most New Zealand "*Xanthorhoe*" species were apportioned either to *Helastia* (p. 180) or to *Asaphodes*. Species that were not apportioned, but which on subsequent examination are unequivocal in character, are listed under the relevant genus; others are listed under "*Xanthorhoe* of authors", p. 190.

abrogata Walker, 1862a, p. 1075 (*Aspilates*)
Waikouaiti DN, P. Earl; HT ♂ unique, abdomen missing, BMNH.
Hudson 1898, p. 55, pl. vii fig. 21; 1928, pp. 107–108, pl. xii fig. 19 and 20.

servularia Guenée, 1868, p. 43 (*Fidonia*?). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 61).
Christchurch MC, R.W. Fereday; HT ♂ labelled "ex Typicum specimen" by Guenée, BMNH.
Hudson 1898, p. 55; 1928, p. 107; as synonym.

adonis Hudson, 1898, p. 63 (*Xanthorhoe*)
?Castle Hill MC or Routeburn OL, G.V. Hudson; type series not located in NMNZ.
Hudson 1898, p. 63, pl. vii fig. 49; 1928, p. 117, pl. xiv fig. 5; as *Xanthorhoe adonis.*
Note. Hudson sent 3 specimens of *adonis* (Hudson register no. 423a–c) to Meyrick. The ST series is presumably now in BMNH.

aegrota Butler, 1879a, p. 499 (*Selidosema*)
Wairarapa WA, F.W. Hutton; HT ♂ designated by Butler, BMNH.
Hudson 1898, p. 64, pl. vii fig. 37; 1928, p. 120, pl. xiv fig. 18; as *Xanthorhoe aegrota.*

albalineata Philpott, 1915, p. 194 (*Xanthorhoe*)
Table Hill SI, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 120–121, pl. xiv fig. 7, as *Xanthorhoe albilineata.*
Note. Although both the original spelling and the emendation "*albilineata*" by Meyrick (1917b, p. 261) are wrong formations (*albolineata* is correct), *albalineata* is retained as the correct original spelling under ICZN Rules, Articles 32a (ii) and 32c. See also *Pseudocoremia albafasciata,* p. 167.

aphelias Prout, 1939, p. 248 (*Xanthorhoe*), replacement name for *obscura* Philpott, 1921 but not Butler, 1882
Note. Prout provided a new name because *Scotocoremia obscura* Butler, 1882, p. 418 (from Chile) "at present stands in Xanthorhoe", and Philpott (1928g, p. 484) raised *obscura* from subspecific to specific rank, formally (cf. Prout 1939, p. 248). Prout's description and figure (1939, in Seitz vol. 12, pl. 24 line i) clearly refer to Philpott's type series.

obscura Philpott, 1921, p. 338 (*Xanthorhoe;* as subspecies of *helias*). Synonymised by Prout (1939, p. 248).
Hump Ridge FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 120, as variety; 1939, p. 410, pl. lvi fig. 10, as species.

beata Butler, 1877, p. 397, pl. 43 fig. 6 (*Cidaria*)
?Castle Hill MC, J.D. Enys; HT ♂ designated by Butler, BMNH.
Hudson 1898, p. 63, pl. vii fig. 35 and 36, as *Xanthorhoe beata*; 1928, p. 117, pl. xiv fig. 3 and 4, as *Xanthorhoe benedicta.*
Note. The original illustration (Butler, pl. 43 fig. 6) omits the black speck on the white discal area on the forewing, present on the HT ♂. This omission has led to confusion in treatment of the 'green' *Asaphodes* species.

benedicta Meyrick, 1914a, p. 102 (*Xanthorhoe*). Synonymised by Prout (1927, p. 77).
Riccarton Bush, Christchurch MC, E. Meyrick; LT ♂ designated by Fletcher, labelled "Christchurch New Zealand 18/2/82", "benedicta Meyr." (Meyrick's handwriting), "Xanthorhoe benedicta Meyr. lectotype ♂" (D.S. Fletcher's handwriting), BMNH.
Hudson 1928, p. 117, pl. xiv fig. 3 and 4, as species.

camelias Meyrick, 1888b, p. 58 (*Larentia*)
Whangarei Heads ND, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1898, p. 65, not figured; 1928, p. 114, pl. xiii fig. 12 and 13; as *Xanthorhoe camelias.*

campbellensis Dugdale, 1964, pp. 616–618, fig. 15, 15a, and 19 (*Xanthorhoe*)
Shoal Point, Campbell Island, K. Rennell; HT ♂ designated by Dugdale, NZAC.
Dugdale 1971, p. 95, as *Asaphodes campbellensis.*

cataphracta Meyrick, §1883d, p. 528; 1884b, pp. 74 (key) and 79 (*Larentia*)
Arthur's Pass NC/WD, E. Meyrick; LT ♀ here designated, labelled "Arthurs Pass New Zealand 3000 ft 23/1/83", "Xanthorhoe cataphracta Meyr., Type", BMNH.
Hudson 1898, p. 61, pl. vii fig. 33 and 34; 1928, p. 119, pl. xiv fig. 28 and 29; as *Xanthorhoe cataphracta.*
Note. LT ♀ is the only survivor of an original ST series of 6 specimens.

chionogramma Meyrick, §1883d, p. 528; 1884b, pp. 77 (key) and 82 (*Larentia*)
Mount Hutt MC, R.W. Fereday; LT ♂ here designated, labelled "Mt Hutt New Zealand RWF 12/81" "Xanthorhoe chionogramma Meyr. type ♂", BMNH.
Hudson 1898, p. 65, pl. vii fig. 42 and 43; 1928, p. 114, pl. xiii fig. 44 and 45; as *Xanthorhoe chionogramma.*

chlamydota Meyrick, §1883d, p. 527; 1884b, pp. 71 (key) and 73–74 (*Epyaxa*)
Akaroa, Banks Peninsula MC, R.W. Fereday; LT ♂ here designated, labelled "30/1/73 Akaroa bush on spur south of waterfall", "Fereday Colln", CMNZ.
Hudson 1898, p. 59, pl. vii fig. 28; 1928, p. 109, pl. xiii fig. 39, as *Xanthorhoe chlamydota.*
Note. This species may prove not to be an *Asaphodes* (R.C. Craw, pers. comm.).

chlorocapna Meyrick, 1925a, p. 271 (*Xanthorhoe*)
Mangere Island, Chatham Islands, S. Lindsay; HT ♂ designated by Meyrick, CMNZ.
Hudson 1928, p. 114, pl. xvi fig. 11, as *Xanthorhoe chlorocapna.*
Note. Craw (1987) based this combination on genital structure.

cinnabari Howes, 1912, p. 203 (*Larentia*)
Nevis CO, W.G. Howes; HT ♂ designated by Howes, BMNH.
Hudson 1928, p. 111, pl. xi fig. 44, as *Xanthorhoe cinnabari.*

obsoleta Prout, 1939, p. 251 (as aberration of *Xanthorhoe cinnabari*). **New synonymy.**
Nevis CO, W.G. Howes; HT ♂ designated by Prout, BMNH.

Note. Prout's "ab. *obsoleta*" is a very faintly marked specimen collected at the same place and on the same date as HT *cinnabari*.

citroena Clarke, 1934, pp. 11–12 (*Xanthorhoe*) **new combination**
Waiho Gorge WD, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1939, p. 410, pl. lvi fig. 3 and 4, as *Xanthorhoe citroena*.
Note. This species is an obvious member of the *Asaphodes clarata* group on colour pattern, antennal structure, and valval appendage characters.

clarata Walker, 1862a, p. 1197 (*Larentia*)
Waikouaiti DN, P. Earl; HT ♀ unique, BMNH.
Hudson 1898, pp. 61–62, pl. vii fig. 31 and 32; 1928, pp. 118–119, pl. xiv fig. 26 and 27; as *Xanthorhoe clarata*.

pyramaria Guenée, 1868, p. 93 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 79)
[mid Canterbury MC], R.W. Fereday; no Guenée specimens in BMNH.
Hudson 1898, p. 61; 1928, p. 118; as synonym.

cosmodora Meyrick, 1888b, p. 57 (*Larentia*)
[Gordon's Pyramid], Mount Arthur NN, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1898, p. 62, not figured; 1928, p. 115, not figured; as *Xanthorhoe cosmodora*, "possibly the other sex of ... *bryopis*".

bryopis Meyrick, 1888b, pp. 57–58 (*Larentia*)
[Gordon's Pyramid], Mount Arthur NN, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 4500 ft 16/1/86", "Xanthorhoe bryopis Meyr. Type ♂", BMNH.
Hudson 1898, p. 62, not figured; 1928, p. 115, pl. xliv fig. 5; as *Xanthorhoe bryopis*.
Note. Both sexes have been collected together on Mt Owen NN. The differences in pattern noted by Meyrick are not constant, and therefore the above synonymy is proposed.

declarata Prout, 1914, p. 122 (*Xanthorhoe*)
Ben Lomond OL, W.G. Howes; HT ♂ designated by Prout, BMNH.
Hudson 1928, p. 119, pl. xiv fig. 25, as *Xanthorhoe declarata*.
Note. Hudson (1928) was mistaken in reporting that J.H. Lewis discovered this species on the Old Man Range CO.

dionysias Meyrick, 1907c, p. 108 (*Xanthorhoe*)
Old Man Range CO, J.H. Lewis; HT ♂ unique, head and abdomen missing, BMNH.
Hudson 1928, p. 120, pl. xiv fig. 9, as *Xanthorhoe dionysias*.

exoriens Prout, 1912, p. 54 (*Larentia*)
Glenorchy OL, W.G. Howes; HT ♂ labelled as "♂ Type" by Prout, BMNH.
Hudson 1928, p. 121, pl. xiv fig. 8.

frivola Meyrick, 1913a, p. 26 (*Xanthorhoe*) **new combination**
Invercargill SL, A. Philpott; HT ♂ unique, BMNH.
Hudson 1928, pp. 119–120, not figured.
Note. Antennal and genital characters are unequivocally of the *Asaphodes* condition.

glaciata Hudson, 1925, p. 220 (*Xanthorhoe*)
Mount Moltke WD, 5,600 ft, C.E. Clarke; HT ♂ unique, AMNZ.
Hudson 1928, p. 118, pl. lii fig. 11, as *Xanthorhoe glaciata*.
Note. Craw (1987) based this combination on genital structure.

helias Meyrick, §1883d, p. 528; 1884b, pp. 77 (key) and 81 (*Larentia*)
Dunedin DN, E. Meyrick; LT ♂ labelled "New Zealand /80", "Type" [labelled by Prout? See Prout (1939, p. 248), "Dunedin (loc. typ.)"], BMNH.
Hudson 1898, p. 64, pl. vii fig. 40; 1928, p. 120, pl. xiv fig. 10; as *Xanthorhoe helias*.

ida Clarke, 1926, p. 417 (*Xanthorhoe*)
Eweburn Stream, Mount Ida CO, W.G. Howes; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, p. 116, pl. xi fig. 18, as *Xanthorhoe ida*.
Note. Craw (1987) based this combination on genital structure.

imperfecta Philpott, 1905, p. 330 (*Xanthorhoe*)
West Plains SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 121, pl. xiv fig. 16, as *Xanthorhoe imperfecta*.

limonodes Meyrick, 1888b, pp. 54–55 (*Epyaxa*)
Wellington WN, G.V. Hudson; LT ♂ selected by D.S. Fletcher, labelled "Wellington New Zealand GVH .85", "Epyaxa limonodes Meyr. Lectotype", BMNH.
Hudson 1898, p. 57, pl. vii fig. 46; 1928, p. 116, pl. xiii fig. 32 and 33; as *Xanthorhoe limonodes*.

mnesichola Meyrick, 1888b, p. 56 (*Larentia*)
Mount Arthur NN, [Plateau], 4000–4500 ft, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 4000 ft 18/1/86", "Colostigia mnesichola Meyr. Type ♂", BMNH.
Hudson 1898, p. 60, pl. vii fig. 39; 1928, p. 122, pl. xiv fig. 31 and 32; as *Xanthorhoe mnesichola*.

nephelias Meyrick, §1883d, p. 528; 1884b, pp. 77 (key) and 78 (*Larentia*)
Arthur's Pass NC/WD, 4,600 ft, E. Meyrick; LT ♂ labelled as "♂ type" by Prout, "Xanthorhoe nephelias Meyr. ♂ type", "Arthurs Pass New Zealand 29/1/83", BMNH.
Hudson 1898, p. 61, not figured; 1928, p. 121, pl. xiv fig. 45; as *Xanthorhoe nephelias*.

subflava Howes, 1917, p. 274 (*Xanthorhoe*). Synonymised by Hudson (1928, p. 121).
Arthur's Pass NC/WD, W.G. Howes; location of type material unknown.
Hudson 1928, p. 121, as synonym.

obarata Felder & Rogenhofer, 1875, pl. cxxxii fig. 33 (*Cidaria*)
Nelson NN, T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, p. 66 (but not pl. vii fig. 45); 1928, p. 117, pl. xiii fig. 40; as *Xanthorhoe obarata.*

chorica Meyrick, 1888b, pp. 58–59 (*Larentia*). Synonymised by Prout (1927, p. 78).
Akaroa, Banks Peninsula MC, R.W. Fereday; HT ♀ unique, CMNZ.
Hudson 1898, p. 66, pl. vii fig. 55, as species; 1928, p. 117, as synonym.
Note. Fereday's specimen of *chorica* was collected in "bush above Morgan's".

omichlias Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 90 (*Pasithea*) **new combination**
Castle Hill MC, J.D. Enys; LT ♂ here designated, labelled "1878 Castle Hill from J.D. Enys", "Fereday Coll.", CMNZ.
Hudson 1898, p. 76, pl. viii fig. 25; 1928, p. 127, pl. xiv fig. 41; as *Notoreas omichlias*, after Meyrick (§1885h, p. 589; 1886c, p. 184).
Note. Craw (1986, p. 132) places this species in *Asaphodes* on genital characters.

oraria Philpott, 1903, p. 248 (*Xanthorrhoe*)
New River, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 121, pl. xiv fig. 30, as *Xanthorhoe oraria.*

oxyptera Hudson, 1909, p. 67, pl. ii fig. 23 (*Xanthorhoe*)
North Arm, Carnley Harbour, Auckland Island, A.A. Dorrien-Smith; HT ♂ unique, NMNZ.
Hudson 1928, p. 122, pl. xii fig. 50, as *Xanthorhoe oxyptera.* Dugdale 1964, p. 617, fig. 16; 1971, pp. 95–97, fig. 47.

peripheraea Meyrick, 1905, p. 220 (*Xanthorhoe*)
Humboldt Montains OL, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 113, pl. xiii fig. 36, as *Xanthorhoe peripheraea.*

philpotti Prout, 1927, pp. 77–78 (*Xanthorhoe*) **new combination**
Lake Wakatipu OL, A. Philpott; LT ♂ here designated, labelled "L. Wakatipu New Zealand AP .13", "pt. series mentioned by Meyrick 1914:102", "Lectotype ♂ Xanthorhoe philpotti Prout, sel. J.S. Dugdale, 1981", BMNH.
Hudson 1928, p. 116, pl. xiv. fig. 1, as *Xanthorhoe beata.* Prout 1939, p. 265, pl. 26 line h, as *Larentia philpotti.*
Note. See *beata* Butler, above.

prasinias Meyrick, §1883d, p. 528; 1884b, pp. 77 (key) and 81–82 (*Larentia*)
Castle Hill MC, J.D. Enys; LT ♂ here designated, labelled "Castle Hill New Zealand JDE /81", "Larentia prasinias Meyr. Type ♂" [L.B. Prout's handwriting], BMNH.
Hudson 1898, p. 65, pl. vii fig. 41; 1928, p. 116, pl. xiii fig. 49, as *Xanthorhoe prasinias.*

prymnaea Meyrick, 1911b, p. 73 (*Xanthorhoe*)
Mount Arthur NN, 3,600–4,200 ft, G.V. Hudson; LT ♂ here designated, labelled "Mt Arthur New Zealand GVH .10", "Xanthorhoe prymnaea Meyr. Type ♂" [L.B. Prout's handwriting], BMNH.
Hudson 1928, p. 118, pl. xiv fig. 6 and 7, as *Xanthorhoe prymnaea.*

recta Philpott, 1905, p. 330 (*Xanthorhoe*)
Ida Valley CO, J.H. Lewis; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 120, pl. xiv fig. 19, as *Xanthorhoe recta.*

sericodes Meyrick, 1915a, p. 202 (*Xanthorhoe*)
Mount Earnslaw OL, G.V. Hudson; LT ♂ here designated, labelled "Mt Earnslaw New Zealand GVH 1.14", "Xanthorhoe sericodes Meyr. ♂ Type" [Prout's handwriting], "Figured in Seitz vol. xii", BMNH.
Hudson 1928, p. 121, pl. xiv fig. 20, as *Xanthorhoe sericodes.* Prout 1939, p. 264, pl. 26 line f, as *Larentia sericodes.*

apicata Prout, 1939, p. 264 (*Larentia*; as aberration of *sericodes*). **New synonymy.**
Mount Earnslaw OL, G.V. Hudson; HT ♂ unique, NMNZ.
Hudson 1928, p. 121, pl. xiv fig. 20, as *Xanthorhoe sericodes*; Prout's type is Hudson's figure.

stephanitis Meyrick, 1907c, pp. 107–108 (*Asaphodes*)
Invercargill SL, sandhills, A. Philpott; LT ♂ selected by D.S. Fletcher, labelled "Invercargill New Zealand GVH .06", "Asaphodes stephanitis Meyr. ♂ lectotype DSF 10/47", BMNH.
Hudson 1928, p. 107, pl. xiii fig. 21.

stinaria Guenée, 1868, p. 92 (*Camptogramma*)
"Canterbury", R.W. Fereday; ?HT ♂ unique, labelled "Ex Musaeo Ach. Guenée", "Ex Oberthür Coll. Brit. Mus. 1927-1", BMNH.
Hudson 1898, p. 60, pl. vii fig. 29; 1928, p. 122, pl. xiii fig. 14; as *Xanthorhoe stinaria.*

Also 3 undescribed species (NZAC).

• ***Austrocidaria*** Dugdale, 1971b, p. 97. Type species *Cidaria similata* Walker, by original designation.
Note. Under this name are gathered those species

with a broad, Y-shaped juxta, a diverticulum on the corpus bursae (as depicted in Dugdale 1964, fig. 1–8; 1971, fig. 48–52), and with larvae on *Coprosma* (Rubiaceae). Included are all species previously placed (by Hudson 1928) in *Eucymatoge* of authors.

anguligera Butler, 1879a, p. 506 (*Phibalapteryx*) **new combination**
Dunedin DN, F.W. Hutton; HT ♂ unique, labelled as ♀, abdomen as Tams prep. no. 203, 1927, BMNH.
Hudson 1898, p. 47, pl. vi fig. 43, as synonym of *Hydriomena gobiata*; 1928, p. 98, pl. xii fig. 22, as *Eucymatoge anguligera*, after Meyrick (1909a, p. 5).

arenosa Howes, 1911, p. 127 (*Eucymatoge*; as *arenosus*) **new combination**
Titahi Bay WN, W.G. Howes; HT ♀ designated by Howes, BMNH.
Hudson 1928, p. 98, pl. xii fig. 20, as *Eucymatoge arenosa.*

bipartita Prout, (1941) 1958, p. 389 (*Horisme*; as aberration of *anguligera*) **new combination**
Wellington WN, ?W.G. Howes; HT ♂ designated as "Type ♂" by Prout, BMNH.
Hudson 1928, p. 98, pl. xii fig. 23, as *Eucymatoge anguligera* [part]. Note. Males of *anguligera*, *arenosa*, and *bipartita* all have a socketed, sickle-shaped blade in the eversible coremata tufts on abdominal segment 8. As well as differences in colour pattern, there are differences in ♂ juxtal shape and cornutal length between *anguligera* and *bipartita.*

callichlora Butler, 1879a, p. 509 (*Cidaria*)
Dunedin DN, F.W. Hutton; HT ♂ labelled by Butler as "Type", BMNH. Hudson 1898, p. 50, pl. vii fig. 13; 1928, p. 100, pl. xii fig. 47, as *Hydriomena callichlora.*

harmonica Clarke, 1926, p. 417 (*Hydriomena*; as subspecies of *callichlora*). Synonymised by Hudson (1928, p. 100).
Waitati DN, C.E. Clarke; HT ♂ unique, AMNZ.
Hudson 1928, p. 100, pl. xlvii fig. 19, as synonym.

cedrinodes Meyrick, 1911b, p. 72 (*Xanthorhoe*) **new combination**
Mount Arthur NN, G.V. Hudson; LT ♂ labelled as "type ♂" by Prout, "Mt Arthur New Zealand GVH 2.10", "Xanthorhoe cedrinodes Meyr. type ♂", abdomen missing, BMNH.
Hudson 1928, p. 114, pl. xiii fig. 27 and 28, as *Xanthorhoe sedrinodes.*

undulata Philpott, 1913, pp. 76–77 (*Xanthorhoe*). Synonymised by Meyrick (1917b, p. 260).
Tisbury SL, A. Philpott; HT ♂ unique, NZAC.
Hudson 1928, p. 114, as synonym.

episema Prout, 1939, p. 250 (*Xanthorhoe*; as subspecies of *cedrinodes*). **New synonymy.**
Flagstaff Hill DN, W.G. Howes; HT ♂ designated by Prout, BMNH.
Hudson 1928, p. 114, pl. xiii fig. 27, as a form occurring around Dunedin DN.
Note. *A. cedrinodes* is extremely variable in colour pattern at most localities, and specimens referable to *undulata* and *episema* have been collected from TO to SL.

gobiata Felder & Rogenhofer, 1875, pl. cxxxi fig. 2 (*Cidaria*) **new combination**
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1928, p. 97, pl. xii fig. 21, as *Eucymatoge gobiata.*

simulans Butler, 1879a, p. 506 (*Phibalapteryx*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
Dunedin DN, F.W. Hutton; HT ♀ labelled as "♂ type", spurious abdomen glued on, BMNH.
Hudson 1928, p. 97, as synonym.

undulifera Butler, 1879a, pp. 506–507 (*Phibalapteryx*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
Dunedin DN, F.W. Hutton; HT ♂ labelled by Butler as "type", BMNH. Hudson 1928, p. 97, as synonym.

rivularis Butler, 1879a, pp. 507–508 (*Phibalapteryx*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
Dunedin DN, F.W. Hutton; HT ♂ labelled by Butler as "type", BMNM.
Hudson 1928, p. 97, as synonym.

dryocyma Meyrick, 1938, p. 426 (*Eucymatoge*). **New synonymy.**
Mount Hutt SC, Lawford White; HT ♀ unique, CMNZ.
Hudson 1939, p. 406, pl. lxii fig. 13, as *Eucymatoge dryocyma.*
Note. HT *dryocyma* is a good match for *undulifera.*

gobiata* ab. *fasciata Prout, 1939 (*Horisme*). **New synonymy.**
Niagara DN, W.G. Howes; HT ♀ designated by Prout, BMNH.
Note. This form, which has the lines bent into rounded teeth between the wing veins, occurs in populations from ND to SL.

haemophaea Meyrick, 1925a, p. 270 (*Hydriomena*)
Chatham Island, S. Lindsay; HT ♂ unique, CMNZ.
Hudson 1928, p. 101, pl. xlviii fig. 20.

lithurga Meyrick, 1911b, pp. 71–72 (*Hydriomena*)
Makara WN, R.M. Sunley; HT ♂ unique, BMNH.
Hudson 1928, p. 103, pl. xii fig. 39, as *Hydriomena lithurga.*

parora Meyrick, §1884c, p. 234; 1885d, p. 63 (*Harpalyce*) **new combination**
[Riccarton Bush], Christchurch MC, R.W. Fereday; LT ♂ selected by D.S. Fletcher, labelled "Harpalyce parora Meyr. ♂ Lectotype DSF 10/47", "parora Meyr.", "Christchurch New Zealand 18/2/82", "Lectotype", BMNH.
Hudson 1898, p. 56, not figured; 1928, pp. 108–109, pl. xiii fig. 24 and 25.

praerupta Philpott, 1918, p. 125 (*Hydriomena*)
Mount Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 100, pl. xii fig. 48, as synonym of *callichlora*. Philpott 1928g, p. 484, fig. 1 and 2, as species.

prionota Meyrick, §1883d, p. 528; 1884b, pp. 73–74 (*Arsinoe*)
Castle Hill MC, J.D. Enys; LT ♂ here designated, labelled "1878 Castle Hill from J.D. Enys", "*Arsinoe prionota* Meyr. ♂ EM 1883" (Meyrick's handwriting), "Lectotype ♂ Arsinoe prionota Meyrick teste J.S. Dugdale", CMNZ.
Hudson 1898, p. 47, pl. vi fig. 47 (but lacking the external bend on the outer median vein seen in LT ♂); 1928, p. 102, pl. xlviii fig. 29 and 30; as *Hydriomena prionota*.

similata Walker, 1862b, p. 1413 (*Cidaria*)
[Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ unique, BM Geometridae genitalia slide no. 5350, BMNH.
Hudson 1898, p. 50, pl. vii fig. 14; 1928, pp. 99–100, pl. xii fig. 46, as *Hydriomena similata*. Dugdale 1964, pp. 610–611, fig. 1–8, as *Hydriomena similata*; 1971b, pp. 98–100, fig. 48–53, as *Austrocidaria similata*.

timarata Felder & Rogenhofer, 1875, pl. cxxxii fig. 19 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 76).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen incomplete, posterior part glued on and probably spurious, BMNH.
Hudson 1898, p. 50; 1928, p. 99; as synonym.

nigrofasciata Prout, 1939, p. 264 (*Euphyia*; as aberration of *similata*). **New synonymy.**
Note. No specimens were found in BMNH.

stricta Philpott, 1915, p. 195 (*Xanthorhoe*) **new combination**
Bold Peak OL, W.G. Howes; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 119, pl. xiv fig. 23 and 24, as *Xanthorhoe stricta*.
Note. The specimen labelled "♀ type" in NMNZ is a ♂ PT.

umbrosa Philpott, 1917b, p. 241 (*Xanthorhoe*) **new combination**
Mount Cleughearn FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 115, pl. xiii fig. 36, as *Xanthorhoe umbrosa*.

venustatis Salmon, 1946, p. 4 (*Hydriomena*) **new combination**
Lake Gunn FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Hudson 1950, p. 85, pl. vii fig. 6, as *Hydriomena venustatis*.

• ***Cephalissa*** Meyrick, §1883d, p. 529; 1884b, p. 93. Type species *Cephalissa siria* Meyrick, by original monotypy.

siria Meyrick, §1883d, p. 530; 1884b, p. 93 (*Cephalissa*)
Dunedin DN, (F.W. Hutton) R.W. Fereday; LT ♂ selected by D.S. Fletcher, labelled "Dunedin New Zealand RWF /81", "*siria* Meyr." (Meyrick's handwriting), "Cephalissa siria Meyr. lectotype", BMNH.
Hudson 1898, p. 51, pl. vi fig. 48; 1928, p. 98, pl. xi fig. 45, as *Hydriomena siria*.

• ***Chloroclystis*** of authors, sections A and C in the sense of Hudson (1928, pp. 89 and 95): ♂ with simple, pilose or evenly setulose antennae

filata Guenée, 1857b, p. 353 (*Eupithecia*)
"Nouvelle Hollande"; HT ♂ unique, MNHN.
New Zealand: adventive, since 1960; throughout.

albiplaga Prout, 1958, p. 409 (*Chloroclystis*; as aberration of *filata*).
Sydney N.S.W., Raynor; HT ♀ so labelled, BMNH.
Note. The form with the forewing median area white is also present in New Zealand populations.

impudicis Dugdale, 1964, p. 620, fig. 22, 23, 27, and 30 (*Chloroclystis*)
Beeman Camp, Campbell Island, J.L. Gressitt; HT ♂ designated by Dugdale, NZAC.
Dugdale 1971, p. 109, fig. 69–71 and 75, as *Pasiphila impudicis*.

inductata Walker, 1862b, p. 1322 (*Coremia*)
Auckland AK, D. Bolton; HT ♂ unique, BM Geometridae genitalia slide no. 5466, BMNH.
Hudson 1898, p. 44, pl. vi fig. 17, as species, also as *Chloroclystis indicataria*; 1928, p. 89, pl. xi fig. 5 and 6, also as *Chloroclystis semialbata*. Dugdale 1971, p. 109, as *Pasiphila inductata*.

subitata Walker, 1862b, p. 1362 (*Scotosia*). Synonymised by Meyrick (§1883d, p. 531), as synonym of *inductata*.
Auckland AK, D. Bolton; HT ♀ unique, BM Geometridae genitalia slide no. 5467, BMNH.
Hudson 1898, p. 44, as synonym.

semialbata Walker, 1863a, p. 1708 (*Eupithecia*). Synonymised by Dugdale (1971, p. 109).
Nelson NN, T.R. Oxley; HT ♂ unique, BM Geometridae genitalia slide no. 5376, BMNH.
Hudson 1898, p. 41, as synonym of *bilineolata*; 1928, p. 89, pl. xi fig. 5 and 6, as species.

indicataria Walker, 1863a, pp. 1708–1709 (*Eupithecia*). Synonymised by Meyrick (1913a, p. 23).
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ unique, abdomen missing, BMNH.
Hudson 1898, p. 44, pl. vi fig. 17, as species; 1928, p. 89, as synonym of *semialbata*.

semilineata Felder & Rogenhofer, 1875, pl. cxxxi fig. 36 (*Cidaria*). Synonymised by Meyrick (1917b, p. 253).
[Nelson NN, T.R. Oxley]; HT ♀ unique, abdomen missing, BMNH.
Hudson 1928, p. 89, as synonym of *inductata*.

"sp. near *suffusa* Hudson" Dugdale, 1964, p. 618 (*Chloroclystis*). Synonymised by Dugdale (1971, p. 109).
Dugdale 1964, p. 618, fig. 21, 24–26, and 28–29; 1971, pp. 109–110, fig. 72–74 and 76; Campbell Island and Auckland Islands populations.

lichenodes Purdie, 1887, p. 70 (*Pasiphila*)
Dunedin DN, A. Purdie; ST series not located.
Hudson 1898, p. 44, pl. vi fig. 15 and 16; 1928, pp. 95–96, pl. xi fig. 29 and 30; as *Chloroclystis lichenodes*.

nereis Meyrick, 1888b, p. 51 (*Pasiphila*)
Mount Arthur NN, E. Meyrick; LT ♀ here designated, labelled "Mt Arthur New Zealand 4000 ft 16/1/86", "Pasiphila nereis Meyr. Type", abdomen missing, BMNH.
Hudson 1898, p. 43, pl. vi fig. 11; 1928, p. 96, pl. xi fig. 16, as *Chloroclystis nereis*.

ida Hudson, 1939, p. 405 (*Chloroclystis*), replacement name for *Chloroclystis minima* Hudson, 1905a, p. 356, but not Warren, 1897b, p. 227 (Queensland). Synonymised by Dugdale (1971, p. 114, as *minima*), following Prout (1927, p. 76).
Mount Ida CO, J.H. Lewis; HT ♂ unique, labelled "594a", NMNZ.
Hudson 1928, p. 96, as *Chloroclystis minima*, as synonym; 1939, p. 405, as *Chloroclystis ida*.

sphragitis Meyrick, 1888b, pp. 51–52 (*Pasiphila*)
Christchurch MC, E. Meyrick; LT ♂ (labelled as "Type ♂" by Prout) here designated, labelled "Christchurch New Zealand 10/2/83", "Chloroclystis sphragitis Meyr. Type ♂", "Figured in Seitz vol. xii, pl.", BMNH.
Hudson 1898, p. 43, pl. vi fig. 13 and 14; 1928, p. 96, pl. xi fig. 31; as *Chloroclystis sphragitis*.

testulata Guenée, 1857b, p. 352 (*Eupithecia*)
"Nouvelle-Hollande"; HT ♀ unique, MNHP.
Hudson 1898, p. 45, pl. vi fig. 19, as *Phrissogonus denotatus*; 1928, p. 89, pl. xi fig. 7, as *Phrissogonus testulatus*.
Note. Prout (1958, p. 418) placed *testulata* in *Chloroclystis* without comment. Holloway (1977, p. 127) supported this affiliation, noting that genital structure indicated a closer relationship with *Chloroclystis* of authors than with *Phrissogonus* Butler, where Meyrick (1888b, p. 53; 1917b, p. 252) placed this species.

denotata Walker, 1862b, p. 1361 (*Scotosia*). Synonymised by Prout (1927, p. 75).
[Auckland AK], D. Bolton; LT ♀ here designated, labelled "Type" (by Prout?), "New Zeal. // 54.4", "-37 *Scotosia denotata*", BM Geometridae genitalia slide no. 2949, BMNH.
Hudson 1898, p. 45, as species; 1928, p. 89, as synonym.

humerata Walker, 1862b, p. 1362 (*Scotosia*). Synonymised by Meyrick (1917b, p. 252).
[Auckland AK], D. Bolton; HT ♀ unique, BM Geometridae genitalia slide no. 2947, BMNH.
Not mentioned by Hudson.

parvulata Walker, 1863a, pp. 1721–1722 (*Phibalapteryx*). Synonymised by Meyrick (1888b, p. 53).
[?Hawkes Bay HB or Taupo TO], W. Colenso; LT ♂ here designated, labelled "Holotype ♂" (by Prout?), "New Zeal. 53-19", "- Phibalapteryx parvulata", abdomen and head missing, BMNH.
Hudson 1898, p. 45; 1928, p. 89, as synonym.

albiplaga Prout, 1958, p. 418 (*Chloroclystis*; as aberration of *Chloroclystis testulata denotata*). **New synonymy.**
Dunedin DN, W.G. Howes; HT ♀ unique, designated by Prout, BMNH.

irregulata Prout, 1958, p. 418 (*Chloroclystis*; as aberration of *Chloroclystis testulata denotata*). **New synonymy.**
Sumner MC, J.W. Campbell; HT ♂ designated by Prout, BMNH.
Note. Prout's two names refer to colour morphs encountered in most populations.

Also 1 unidentified, vagrant species represented by 1 specimen, Kauaeranga Valley CL (NZAC).

• ***Dasyuris*** Guenée, 1868, p. 92. Type species *Dasyuris partheniata* Guenée, by original designation.

Statira Meyrick, §1883d, p. 529; 1884b, p. 90; preoccupied by *Statira* Berthold, 1827 (Coleoptera). Type species *Euclidia hectori* Butler, by subsequent designation (Meyrick 1917b, p. 263).

Stathmonyma Meyrick, §1885h, p. 539; 1886c, p. 184; replacement name for *Statira* Meyrick. Synonymised by Hudson (1898, p. 69).

anceps anceps Butler, 1877, p. 392, pl. 43 fig. 3 (*Fidonia*)
[?Castle Hill] MC, J.D. Enys; HT ♀ labelled by Butler as "type", wings glued to body, BMNH.
Hudson 1898, pp. 69–70, pl. viii fig. 29; 1928, p. 128, pl. xv fig. 55, as *Dasyuris anceps*.

anceps grisescens Prout, 1939, pp. 240–241 (*Dasyuris*; as aberration of *anceps*)
Mount Hector, Tararua Range WN, G.V. Hudson; HT ♀ labelled by Prout as "♀ type", BMNH.
Hudson (1939, p. 411) notes "a dark variety" collected by E.S. West in the Ruahine Range RI.
Note. A specimen collected by E.S. West ("Ruahine Range E S West, 4200 ft. 36") is in BMNH. As well as lacking yellow on the hindwings, *D. a. grisescens* has strong bands anterior to the median vein on the forewing underside.

austrina Philpott, 1928a, pp. 359–360 (*Dasyuris*)
Bold Peak OL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 128 (part), pl. xv fig. 20, as *Dasyuris hectori*, small variety; 1939, p. 411, as synonym, a "view shared by Mr Meyrick".
Note. Philpott's species is distinct from *hectori* on genital characters, and no forms have been found that are intermediate in size, colour pattern, or structure.

callicrena Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 87 (*Pasithea*)
Kinloch OL, R.W. Fereday; HT ♀ unique, CMNZ.
Hudson 1898, p. 73, pl. viii fig. 16, as *Notoreas callicrena*; 1928, p. 130, pl. xv fig. 32, as *Dasyuris callicrena*.

catadees Prout, 1939, p. 241 (*Dasyuris*)
Mount Peel NN, G.V. Hudson; HT ♂ labelled by Prout as "♂ type", BMNH.
Not mentioned by Hudson.

enysii Butler, 1877, pp. 391–392, pl. 42 fig. 9 (*Fidonia*)
[Castle Hill MC], J.D. Enys; HT ♀ labelled by Butler as "type", abdomen squashed, BMNH.
Hudson 1898, p. 69, pl. viii fig. 28; 1928, pp. 128–129, pl. xv fig. 46.

homomorpha Meyrick, §1883d, p. 529; 1884b, pp. 90 (key) and 91 (*Stathmonyma*; as *Statira*, preoccupied). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 65).
Mount Hutt MC, R.W. Fereday; LT ♂ here designated, labelled "Mt Hutt New Zealand RWF 1/81", "Statira homomorpha Meyrick ♂ 1884", body fungused, BMNH.
Hudson 1898, p. 69; 1928, p. 128; as synonym.

fulminea Philpott, 1915, p. 195 (*Dasyuris*?)
Bold Peak OL, W.G. Howes; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 129, pl. xv fig. 44.

hectori Butler, 1877, p. 387, pl. 43 fig. 4 (*Euclidia*)
[?OL or MC, J. Hector or J.D. Enys]; HT ♀ labelled by Butler as "type", BMNH.
Hudson 1898, p. 70, pl. viii fig. 32; 1928, p. 128, pl. xv fig. 21.

leucobathra Meyrick, 1911b, p. 59 (*Dasyuris*, in error as *Notoreas* – see footnote, Meyrick (1911b) p. 59, and addendum, p. 68)
Arthur's Pass NC/WD, G.V. Hudson; LT ♀ here designated, labelled "Arthur's Pass New Zealand GVH 12.08", "This specimen may be one of the 2 syntypes. JSD 1981", BMNH.
Hudson 1928, p. 130, pl. xv fig. 45.

micropolis Meyrick, 1929, p. 486 (*Dasyuris*)
Arthur's Pass NC/WD, 5,000 ft, G.V. Hudson; LT ♂ here designated, labelled "Arthur's Pass New Zealand GVH 5000′ 1.27", "Dasyuris micropolis Meyr. type ♂", BMNH.
Hudson 1939, p. 412, pl. lvi fig. 21.

octans Hudson, 1923c, p. 179 (*Dasyuris*)
Hunter Mountains FD, S. Lindsay; LT ♂ here designated, labelled "1071a", NMNZ.
Hudson 1928, p. 128, pl. li fig. 15.

partheniata Guenée, 1868, p. 93 (*Dasyuris*)
[?Mount Hutt] MC, R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1898, p. 70, pl. viii fig. 30 and 31; 1928, p. 129, pl. xv fig. 47, as *Dasyuris partheniata*.

pluviata Hudson, 1928, p. 129 (*Dasyuris*)
Field Peak, Tararua Range WN, Stella Hudson; LT ♂ here designated, labelled "350a", NMNZ.
Hudson 1928, p. 129, pl. xv fig. 31.

strategica Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 87 (*Pasithea*)
Lake Guyon MB/BR, W.T.L. Travers; HT ♂ unique, CMNZ.
Hudson 1898, p. 73, pl. viii fig. 15, as *Notoreas strategica*; 1928, p. 130, pl. xv fig. 49, as *Dasyuris strategica*, ♀.

transaurea Howes, 1912, p. 203 (*Dasyuris*)
Garvie Range, near Nevis CO, W.G. Howes; LT ♂ labelled by L.B. Prout as "Type transaureus Howes", BMNH.
Hudson 1928, p. 130, pl. xv fig. 40, as *D. transaurea*.

Also 2 undescribed species (NZAC).

• ***Elvia*** Walker, 1862b, pp. 1165 (key) and 1430. Type species *Elvia glaucata* Walker, by original monotypy.

glaucata Walker, 1862b, p. 1430 (*Elvia*)
[Nelson NN], T.R. Oxley; HT ♀ unique, abdomen missing, BMNH.
Hudson 1898, p. 46, pl. vi fig. 23 and 24; 1928, pp. 87–88, pl. xii fig. 14 and 15.

donovani Felder & Rogenhofer, 1875, pl. cxxxii fig. 5 (*Elvia*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 65).
[Nelson NN, T.R. Oxley]; HT ♂ unique, abdomen missing, BMNH.
Hudson 1898, p. 46; 1928, p. 87; as synonym.

• ***Epicyme*** Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Hippolyte* Meyrick

Hippolyte Meyrick, §1883d, p. 526; 1884b, pp. 58 (key) and 60; preoccupied by *Hippolyte* Leach, [1814] 1830 (Crustacea). Type species *Ptychopoda*? *rubropunctaria* Doubleday, by monotypy.

rubropunctaria Doubleday, 1843, p. 287 (*Ptychopoda*?)
[Auckland AK, A. Sinclair]; LT ♂ labelled as "Cotype" by A.G. Butler, BMNH.
Hudson 1898, p. 51, pl. vi fig. 35; 1928, p. 104, pl. xi fig. 39 and 40; as *Euchoeca rubropunctaria*, after Meyrick (1917b, p. 256).

risata Guenée, 1857a, p. 438 (*Asthena*). Synonymised by Meyrick (§1883d, p. 526; 1884b, p. 60).
Tasmania, ?collector; HT with abdomen, antennae, and frenulum missing, BMNH.
Hudson 1898, p. 51; 1928, p. 104; as synonym.

mullata Guenée, 1868, p. 42 (*Asthena*). Synonymised by Meyrick (§1883d, p. 526; 1884b, p. 60).
[Christchurch MC], R.W. Fereday; HT ♀ so labelled by L.B. Prout, antennae and abdomen missing, BMNH.
Hudson 1898, p. 51; 1928, p. 104; as synonym.

• ***Epiphryne*** Meyrick, §1883d, p. 526; 1884b, pp. 58 (key) and 60. Type species *Cidaria undosata* Felder & Rogenhofer, by original monotypy.

Hermione Meyrick, §1883d, p. 526; 1884b, p. 61; preoccupied by *Hermione* de Blainville, 1828 (Vermes). Type species *Hermione xanthaspis* Meyrick. Synonymised under *Venusia* of authors by Hudson (1898, p. 54).

Panopaea Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 62. Type species *Cidaria verriculata* Felder & Rogenhofer. Synonymised under *Venusia* of authors by Hudson (1898, p. 53).

Aulopola Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Hermione* Meyrick.

Pancyma Meyrick, §1885h, p. 589; 1886c, p. 184; unnecessary replacement name for *Panopaea* Meyrick, not preoccupied by *Panopaea* Lamarck, 1818 nor *Panopaea* Adams, 1856 (both incorrect subsequent spellings of *Panopea* Ménard de la Groye, 1807 (Mollusca), nor by *Panopaea* Felder, 1861, incorrect subsequent spelling of *Panopea* Hübner, 1819 (Fletcher 1979, p. 152).

charidema charidema Meyrick, 1909b, p. 70 (*Venusia*)
Auckland Island, G.V. Hudson; LT ♂ here designated, labelled "Auckland I. New Zealand GVH .08", " Paravicini Coll. BM 1937-383", BM Geometridae genitalia slide no. 5381, BMNH.
Hudson 1928, p. 105, pl. xiii fig. 6 and 7, as *Venusia charidema*.

charidema autocharis Meyrick, 1924a, p. 202 (*Venusia*)
Mount Ruapehu TO, 4,000 ft, G.V. Hudson; LT ♂ here designated, labelled "Mt Ruapehu New Zealand GVH 4000′ 1.22", "Paravicini Coll. BM 1937-383", BMNH.
Hudson 1928, p. 105, not figured; 1939, p. 407, pl. lxiii fig. 25 (larva); as *Venusia autocharis*.

undosata Felder & Rogenhofer, 1875, pl. cxxviii fig. 2 (*Cidaria*)
[Nelson NN, T.R. Oxley]; ST ♀, abdomen eroded, BMNH [but Prout notes under ST "Felder's fig. seems to be from the 'Type' in Mus. Wien"].
Hudson 1898, p. 54, pl. vi fig. 33 and 34; 1928, pp. 105–106, pl. xiii fig. 1–4, as *Venusia undosata*, after Meyrick (1917b, p. 257).

citrinata Warren, 1903, p. 265 (*Epiphryne*). Synonymised by Meyrick (1917b, p. 257).
Invercargill SL, [?W.G. Howes]; HT ♀ designated by Warren, BMNH.
Hudson 1928, p. 105, as synonym.

verriculata Felder & Rogenhofer, 1875, pl. cxxxi fig. 20 (*Cidaria*)
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1898, p. 53, pl. vi fig. 30 and 31; 1928, p. 104, pl. xiii fig. 9 and 10, as *Venusia verriculata*.

xanthaspis Meyrick, §1883d, p. 526; 1884b, pp. 59 (key) and 61 *Hermione*)
Lake Guyon MB/BR, R.W. Fereday; LT ♂ here designated, labelled "Lake Guyon New Zealand RWF /81", "Paravicini Coll. BM 1937-383", BMNH.
Hudson 1898, p. 54, pl. vi fig. 32; 1928, p. 106, pl. xiii fig. 5; as *Venusia xanthaspis*.

• ***Epyaxa*** Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 71. Type species *Cidaria rosearia* Doubleday, by subsequent designation (Meyrick 1917b, p. 258).

Note. This genus was reinstated by Craw (1987), who included 6 Australian species.

lucidata Walker, 1862a, p. 1200 (*Larentia*)
[Auckland AK], A. Sinclair; HT ♀ unique, BMNH.
Hudson 1928, p. 112, not figured, as *Xanthorhoe lucidata*.

robustaria Walker, 1862b, p. 1320 (*Coremia*). Synonymised by Prout (1927, p. 77).
[Auckland AK], D. Bolton; HT ♂ unique, BMNH.
Hudson 1928, p. 112, as synonym; 1928, p. 111, pl. xi fig. 43, as *Xanthorhoe practica*.

plurimata Walker, 1862b, p. 1321 (*Coremia*). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 64).
[Auckland AK], D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 112, as synonym.

officiosa Meyrick, 1910b, p. 69 (*Hydriomena*). Synonymised by Dugdale (1973a, p. 200).
Raoul Island, Kermadec Islands, Wallace; HT ♀ unique, BM Geometridae genitalia slide no. 10588, BMNH.
Not mentioned by Hudson.

practica Meyrick, 1911b, p. 72 (*Xanthorhoe*). Synonymised by Prout in Hudson (1939, p. 408).
Motueka NN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 111, pl. xi fig. 43, as *Xanthorhoe practica*.

rosearia Doubleday, 1843, p. 285 (*Cidaria*)
[Auckland AK], A. Sinclair; 3 ST ♂♂, all lacking the abdomen, all labelled "Cidaria rosearia Doubleday det. D.S. Fletcher 1978, SYNTYPE", "42-55 // New Zealand", BMNH.
Hudson 1898, pp. 57–58, pl. vii fig. 22 and 23; 1928, pp. 110–111, pl. xiii fig. 41 and 42; as *Xanthorhoe rosearia.*

subductata Walker, 1862a, p. 1198 (*Larentia*). Synonymised by Prout (1927, p. 77).
[Nelson NN], T.R. Oxley; HT ♀ unique, BM Geometridae genitalia slide no. 10581, BMNH.
Hudson 1898, p. 57, not figured; 1928, p. 112 (but pl. xiii fig. 34 does not represent a topotypic specimen); as species.

ardularia Guenée, 1868, p. 63 (*Coremia*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 71).
[Christchurch MC], R.W. Fereday; ST ♂ in BMNH.
Hudson 1898, p. 57; 1928, p. 110; as synonym.

inamanearia Guenée, 1863, pp. 63–64 (*Coremia*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 71).
[Christchurch MC], R.W. Fereday; ST ♀ in BMNH.
Hudson 1898, p. 57; 1928, p. 110; as synonym.

homalocyma Meyrick, 1902c, pp. 274–275 (*Xanthorhoe*). Synonymised by Dugdale (1971, p. 101).
Chatham Islands, J. Fougere; HT ♂ so labelled, CMNZ.
Hudson 1928, p. 112, pl. xi fig. 36, as *Xanthorhoe homalocyma.*

venipunctata Walker, 1863a, p. 1666 (*Panagra*)
[Auckland AK], D. Bolton; HT ♂ unique, BM Geometridae genitalia slide no. 10583, BMNH.
Hudson 1898, p. 64, pl. vii fig. 38, as *Xanthorhoe lucidata*; 1928, p. 112, pl. xiii fig. 35, as *Xanthorhoe venipunctata.*

psamathodes Meyrick, §1883d, p. 528; 1884b, pp. 77 (key) and 81 (*Larentia*). Synonymised by Meyrick (§1884, p. 234; 1885d, p. 64, as synonym of *lucidata* not of Walker; 1917b, p. 259, as synonym of *venipunctata* Walker).
Wellington WN or Dunedin DN, F.W. Hutton; ST series not found, OMNZ.
Hudson 1898, p. 64; 1928, p. 112; as synonym.

• ***Gingidiobora*** Craw, 1987, p. 291. Type species *Scotosia subobscurata* Walker, by original designation.

nebulosa Philpott, 1917b, p. 241 (*Xanthorhoe*)
Coverham MB, H. Hamilton; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 115, pl. xiii fig. 26.

subobscurata Walker, 1862b, p. 1358 (*Scotosia*)
[Nelson NN], T.R. Oxley; HT ♀ unique, antennae missing, BMNH.
Hudson 1898, pp. 66–67, not figured; 1928, p. 115, pl. xiii fig. 30; as *Xanthorhoe subobscurata.*

ascotata Felder & Rogenhofer, 1875, pl. cxxxi fig. 9 (*Cidaria*). Synonymised by Prout (1927, p. 77).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 115, as synonym.

petropola Meyrick, §1883d, p. 528; 1884b, pp. 82–83 (*Larentia*). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 64).
Otira Gorge WD, E. Meyrick; LT ♀ here designated, labelled "Otira Gorge New Zealand 1800 ft 25/1/83", "Lectotype J.S.D. 1981", BMNH.
Hudson 1898, p. 66, as synonym.

• ***Helastia*** Guenée, 1868, p. 94. Type species *Helastia eupitheciaria* Guenée, 1868, p. 95.
Note. Craw (1987) redefined *Helastia.*

alba Craw, 1987, pp. 278–279 (*Helastia*)
Queenstown OL, [M.O. Pasco]; HT ♂ designated by Craw, NZAC.

angusta Craw, 1987, p. 290 (*Helastia*)
Lake Moke OL, J.S. Dugdale; HT ♂ designated by Craw, NZAC.

christinae Craw, 1987, p. 283 (*Helastia*)
Roaring Meg Creek, Kawarau Gorge CO, J.S. Dugdale; HT ♂ designated by Craw, NZAC.
Note. The heading '*Helastia christinae* n. sp.' was omitted (printer's error) in the published version, but is implied by captions to fig. 24, 33, 57, 76, and 94, and by the section on etymology, p. 283.

cinerearia Doubleday, 1843, p. 286 (*Cidaria?*)
[Auckland AK], A. Sinclair; ST ♂ so labelled by D.S. Fletcher, BM Geometridae genitalia slide no. 10292, BMNH.
Hudson 1898, p. 67, pl. viii fig. 2; 1928, pp. 112–113, pl. xi fig. 41, as *Xanthorhoe cinerearia*; Craw 1987, fig. 29, 49, 71, and 90.
Note. See *inoperata*, a junior objective synonym.

infusata Walker, 1862a, p. 1199 (*Larentia*). Synonymised by Meyrick (1917b, p. 259).
[Auckland AK], A. Sinclair; HT ♀ unique, BM Geometridae genitalia slide no. 10293, BMNH.
Hudson 1928, p. 112, as synonym.

invexata Walker, 1862a, p. 1199 (*Larentia*). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 83).
[Auckland AK], D. Bolton; ST ♂ so labelled by D.S. Fletcher, BM Geometridae genitalia slide no. 10294, BMNH.
Hudson 1898, p. 67; 1928, p. 112; as synonym.

inoperata Walker, 1862a, p. 1201 (*Larentia*). Synonymised by Walker (1863a, p. 1703). **Objective synonym.**

[Auckland AK], A. Sinclair; ST ♂ so labelled by D.S. Fletcher, labelled "Cidaria [*sic*] inoperata Walker syntype ♂", "Cidaria cinerearia Doubleday syntype ♂", BM Geometridae genitalia slide no. 10292, BMNH.
Hudson 1898, p. 67; 1928, p. 112, as synonym.
Note. See *cinerearia*, above.

diffusaria Walker, 1862a, pp. 1201–1202 (*Larentia*). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 64).
[Auckland AK], D. Bolton; HT ♀ unique, head and abdomen missing, BMNH.
Hudson 1898, p. 67; 1928, p. 112; as synonym.

eupitheciaria Guenée, 1868, p. 95 (*Helastia*). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 83).
[Christchurch MC], R.W. Fereday; LT ♂ designated by Craw (1987), abdomen missing, BMNH.
Hudson 1898, p. 67; 1928, p. 112; as synonym.

adonata Felder & Rogenhofer, 1875, pl. cxxxi fig. 31 (*Cidaria*). Synonymised by Meyrick (1917b, p. 259).
[?Auckland AK or Waikato WO], F.R. Hochstetter; HT ♂ so labelled, antennae and abdomen missing, BMNH.
Hudson 1898, p. 67; 1928, p. 112; as synonym.
Note. Felder & Rogenhofer (1875) state in the caption to their plate 131 "31 Cidaria adonata F & R ♂ Nova Seelandia (Hochstetter) antennae maris spathose breviter pectinato fimbriatae (♀ MC)", i.e., ♀ in Royal Imperial Museum.

clandestina Philpott, 1921, p. 338 (*Xanthorhoe*)
Arthur's Pass NC/WD, E.S. Gourlay; HT ♂ unique, CMNZ.
Hudson 1928, p. 113, pl. xii fig. 38, as *Xanthorhoe clandestina*; Craw 1987, p. 283, fig. 34, 58, 77, and 95.

corcularia Guenée, 1868, p. 61 (*Larentia*)
[Christchurch MC], R.W. Fereday; HT ♂, BM Geometridae genitalia slide no. 10142, BMNH.
Hudson 1898, p. 67, as synonym of *Xanthorhoe cinerearia*; 1928, p. 113, as synonym of *X. semisignata*; Craw 1987, p. 283, fig. 35, 59, 60, 78, 96, and 105.

infantaria Guenée, 1868, p. 62 (*Larentia*). Synonymised by Craw (1987).
[Christchurch MC], R.W. Fereday; HT ♀ unique, BM Geometridae genitalia slide no. 10296, BMNH.
Hudson 1898, p. 67; 1928, p. 113; as synonym of *Xanthorhoe cinerearia*.

cryptica Craw, 1987, pp. 288–289 (*Helastia*)
River Jordan, Paradise OL, R.C. Craw; HT ♂ designated by Craw, NZAC.

cymozeucta Meyrick, 1913a, pp. 25–26 (*Xanthorhoe*)
Ohakune RI/TO, G.V. Hudson; LT ♂ designated by Craw (1987), BM Geometridae genitalia slide no. 10299, BMNH.
Hudson 1928, p. 118, pl. xv fig. 9 and 10, as *Xanthorhoe cymozeucta*; Craw 1987, p. 289, fig. 42, 68, 85, and 100.

maoriaria Hudson, 1939, p. 410 (*Xanthorhoe*). Synonymised by Craw (1987).
Wainuiomata WN, G.V. Hudson; LT ♂ designated by Craw (1987), NMNZ.
Hudson 1928, p. 410, pl. lvi fig. 22.

expolita Philpott, 1917b, p. 240 (*Hydriomena*)
Broken River MC, J.H. Lewis; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 98, pl. xii fig. 42, as *Hydriomena expolita*; Craw 1987, p. 289, fig. 43, 69, 86, and 101.

farinata Warren, 1896, p. 388 (*Xanthorhoe*)
Wellington WN, [G.V. Hudson]; LT ♂ designated by Craw (1987), bearing a Hudson label "35n", BM Geometridae genitalia slide no. 10145, BMNH.
Hudson 1928, p. 113, as *Xanthorhoe farinata*; Craw 1987, p. 288, fig. 25, 40, 66, 83, and 98.

mutabilis Craw, 1987, p. 282 (*Helastia*)
Riwaka NN, A. Philpott; HT ♂ designated by Craw, NZAC.

ohauensis Craw, 1987, pp. 285–286 (*Helastia*)
Freehold Range, Lake Ohau MK, S. Lindsay; HT ♂ designated by Craw, CMNZ.

plumbea Philpott, 1915, pp. 194–195 (*Xanthorhoe*)
Queenstown OL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 113, as *Xanthorhoe plumbea*; Craw 1987, p. 282, fig. 32, 56, 75, and 93.

salmoni Craw, 1987, p. 285 (*Helastia*)
Homer Tunnel FD, J.T. Salmon; HT ♂ designated by Craw, NMNZ.

scissa Craw, 1987, p. 287 (*Helastia*)
Mt Tarndale MB, lower slopes, J.S. Dugdale; HT ♂ designated by Craw, NZAC.

semisignata Walker, 1862a, p. 1200 (*Larentia*)
[Auckland AK], A. Sinclair; HT ♂ unique, head missing, BM Geometridae genitalia slide no. 10138, BMNH.
Hudson 1898, p. 67, as synonym of *Xanthorhoe cinerearia*, after Meyrick (§1883d, p. 528; 1884b, p. 83); 1928, p. 113, pl. xiii fig. 37, as species, after Meyrick (1917b, p. 259); Craw 1987, p. 285, fig. 36, 61, 62, 79, and 97.

punctilineata Walker, 1862a, p. 1202 (*Larentia*). Synonymised by Meyrick (1917b, p. 259).
[Auckland AK], D. Bolton; LT ♂ designated by Craw (1987), BM Geometridae genitalia slide no. 10140, BMNH.
Hudson 1898, p. 67, as synonym of *Xanthorhoe cinerearia*, after Meyrick (§1883d, p. 528; 1884b, p. 83); 1928, p. 113, as synonym of *X. semisignata*.

dissociata Walker, 1863a, p. 1734 (*Cidaria*). Synonymised by Meyrick (1917b, p. 259).

[Auckland AK], A. Sinclair; HT ♀ unique, BM Geometridae genitalia slide no. 10141, BMNH.
Hudson entries as for *punctilineata*, above.

similisata Walker, 1863a, p. 1735 (*Cidaria*). Synonymised by Meyrick (1917b, p. 259).
[Auckland AK], D. Bolton; HT ♂ unique, BM Geometridae genitalia slide no. 10139, BMNH.
Hudson entries as for *punctilineata*, above.

siris Hawthorne, 1897, p. 283 (*Asaphodes*)
Wellington WN, E.F. Hawthorne; HT ♂ unique, Hudson label "525c", NMNZ.
Hudson 1898, p. 55, pl. vii fig. 15, as *Asaphodes siris*; 1928, p. 98, as synonym of *Hydriomena triphragma*; Craw 1987, p. 290, fig. 46, 89, and 103.

triphragma Meyrick, §1883d, p. 528; 1884b, p. 74 (*Cidaria*)
Blenheim MB, W. Skellon; LT ♂ designated by R.C. Craw (1987, p. 290), head mildewed, BMNH.
Hudson 1898, p. 49, not figured; 1928, p. 98, pl. xii fig. 40; as *Hydriomena triphragma*; Craw 1987, p. 290, fig. 45, 70, 88, and 102.

• ***Homodotis*** Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Eurydice* Meyrick.

Eurydice Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 62; preoccupied by *Eurydice* Leach, 1815 (Crustacea). Type species *Eurydice cymosema* Meyrick, by monotypy.

Harpalyce Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 63; preoccupied by *Harpalyce* Stephens, 1827 (Geometridae). Type species *Larentia megaspilata* Walker, by subsequent designation (Meyrick 1917b, p. 257).

Probolaea Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Harpalyce* Meyrick.

amblyterma Meyrick, 1931a, p. 94 (*Asaphodes*)
Whangarei ND, S.C. Patterson; HT ♀ labelled as ♂, abdomen missing, BMNH.
Hudson 1939, p. 408, pl. lvi fig. 18, as *Asaphodes amblyterma*, ♂.

falcata Butler, 1879a, p. 501 (*Larentia*?)
[Dunedin DN], F.W. Hutton; HT ♂ unique, BMNH.
Hudson 1928, p. 113, not figured, as *Xanthorhoe falcata*.

rufescens Butler, 1879a, p. 502 (*Larentia*?). **New synonymy.**
[Dunedin DN], F.W. Hutton; HT ♂ designated by Butler, BMNH.
Hudson 1898, p. 56, not figured; 1928, p. 108, pl. xiii fig. 17 and 18, as species.
Note. Prout (1927, p. 77) regarded HT *falcata* as a dark *rufescens*. NZAC holdings include specimens as dark as HT *falcata*, and others intermediate between that and HT *rufescens*.

cymosema Meyrick, §1883d, p. 527; 1884b, pp. 59 (key) and 63 (*Eurydice*). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 63).
Dunedin DN, F.W. Hutton; LT ♂ here designated, labelled "Dunedin New Zealand FWH /77", "?one of orig. 10 specs of *Eurydice cymosema*. FWH = Capt Hutton who coll. originals for Fereday. ?should this be !ectotype. See WHTT, DSF 10/47", abdomen missing, BMNH.
Hudson 1898, p. 56; 1928, p. 108; as synonym.

megaspilata Walker, 1862a, p. 1198 (*Larentia*)
[Nelson NN], T.R. Oxley; HT ♂ unique, head mildewed, BMNH.
Hudson 1898, pp. 55–56, pl. vii fig. 17–20; 1928, p. 108, pl. xiii fig. 14–16.

assata Felder & Rogenhofer, 1875, pl. cxxxi fig. 4 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 63).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 55; 1928, p. 108; as synonym.

nehata Felder & Rogenhofer, 1875, pl. cxxxi fig. 6 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 63).
[Nelson NN, T.R. Oxley]; HT ♀ not located.
Hudson 1898, p. 55; 1928, p. 108, as synonym.
Note. Felder & Rogenhofer indicate in the caption to their plate 131 fig. 6 that the specimen is in MC, (?)now NHMW.

• ***Horisme*** of authors (Holloway 1979, p. 312) (in part)

suppressaria Walker, 1863a, p. 1721 (*Phibalapteryx*)
[Nelson NN], T.R. Oxley; LT ♀ here designated, labelled "Phibalapteryx suppressaria", "Figured in Seitz vol. xii", " Auckland N. Zeal. 60.73", "Type" (circular, green-margined label), abdomen missing, BMNH.
Hudson 1928, p. 112, not figured.

paucita Howes, 1942, p. 277 (*Hydriomena*?). **New synonymy.**
Portobello DN, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Hudson 1946, pp. 86–87, pl. iii fig. 7, as *Hydriomena paucita*.
Note. See the discussion by Holloway (1979, pp. 312–314, text-fig. 56(2), pl. 60 fig. 3 and 4). New Zealand *suppressaria* has shorter labial palpi than the Australian *Cidaria clandestinata* Walker (= *Horisme mortuata* (Guenée)), and is almost identical with *Horisme grisearia* Holloway as regards the genitalia and abdominal colour pattern.

• ***Hydriomena*** of authors (Meyrick 1917b, p. 255) (in part)
Note. Species included here are those not removed to *Austrocidaria*, *Cephalissa*, or *Anachloris*.

arida Butler, 1879a, p. 505 (*Melanthia*)
[Dunedin DN], F.W. Hutton; HT ♂ unique, BMNH.

Hudson 1898, pp. 50–51, pl. vii fig. 15; 1928, p. 100, pl. xii fig. 33 and 34.

chaotica Meyrick, §1883d, p. 528; 1884b, pp. 76–77 (*Cidaria*). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 64).
Arthur's Pass NC/WD, E. Meyrick; LT ♀ so labelled by D.S. Fletcher, BMNH.
Hudson 1898, p. 50; 1928, p. 100; as synonym.

canescens Philpott, 1918, p. 125 (*Hydriomena*)
Queenstown OL, M.O. Pasco; HT ♂ unique, not located in Pasco Collection, SMNZ.
Hudson 1928, p. 101, pl. xii fig. 41.

clarkei Howes, 1917, p. 274 (*Chloroclystis*) **new combination**
Flagstaff Hill DN, C.E. Clarke; HT ♀ designated by Howes, AMNZ.
Hudson 1928, pp. 96–97, pl. xii fig. 18, as *Chlorochytis clarkei*.
Note. Venation and wing pattern exclude *clarkei* from *Chloroclystis*, and it is here placed close to *canescens*, the description of which it fits well.

deltoidata Walker, 1862b, pp. 1321–1322 (*Coremia*)
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "-42. Coremia deltoidata", "Auckland New Zeal. 60-73", BM Geometridae genitalia slide no. 5349, BMNH.
Hudson 1898, pp. 47–48, pl. vii fig. 1–9 (fig. 8 is close to the LT wing pattern); 1928, pp. 101–102, pl. xii fig. 24–28 (fig. 24 is close to the LT wing pattern).

inclarata Walker, 1862b, p. 1411 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "75. Cidaria inclarata", "Auckland N. Zeal. 60.73", "Type" (circular, green-margined label), BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

perductata Walker, 1862b, p. 1412 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[?Wellington WN], Major Parry; HT ♂ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

congressata Walker, 1862b, pp. 1412–1413 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Auckland AK], D. Bolton; HT ♀ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

conversata Walker, 1862b, pp. 1413–1414 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

descriptata Walker, 1862b, p. 1414 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

bisignata Walker, 1862b, p. 1415 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

congregata Walker, 1862b, p. 1415 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

aggregata Walker, 1862b, pp. 1415–1416 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♀ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

plagifurcata Walker, 1862b, p. 1416 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

pastinaria Guenée, 1868, pp. 64–65 (*Coremia*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Christchurch MC], R.W. Fereday; ST ♂ in BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

inopiata Felder & Rogenhofer, 1875, pl. cxxxii fig. 3 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[?Nelson NN], F.R. von Hochstetter; HT ♂ unique, BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

monoliata Felder & Rogenhofer, 1875, pl. cxxxii fig. 8 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.

perversata Felder & Rogenhofer, 1875, pl. cxxxii fig. 14 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 70).
[Nelson NN, T.R. Oxley]; HT ♂ labelled as "Type", BMNH.
Hudson 1898, p. 47; 1928, p. 101; as synonym.

hawthornei Thierry-Mieg, 1915, p. 63 (*Hydriomena;* as variety of *deltoidata*). **New synonymy.**
Springfield MC, E.F. Hawthorne; HT ♂ unique, NMNZ.
Hudson 1898, p. 48, pl. vii fig. 9, as "a development of another striking variety".
Note. Hudson's illustration is of Hawthorne's specimen, listed in Hudson's Register under "42 m var beaten out of flax bush Springfield Canterbury 1200 ft 14 Jan -93 (ex coll. Hawthorne)".

hemizona Meyrick, 1897b, p. 385 (*Hydriomena*)
Cape Terawhiti WN, [1,500 ft], G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1898, p. 48, pl. vii fig. 10; 1928, p. 100, pl. xii fig. 35 and 36.

purpurifera Fereday, §1883d, p. 531; 1884, pp. 119–120 (*Cidaria*)
Mount Hutt MC, R.W. Fereday; LT ♂ here designated, labelled "Fereday collection", "LECTOTYPE Cidaria purpurifera Fereday teste J.S. Dugdale", CMNZ.
Hudson 1898, pp. 49–50, pl. vii fig. 12; 1928, p. 99, pl. xii fig. 45.

ochreifera Prout, 1939, p. 290 (*Euphyia;* as subspecies of *purpurifera*). **New synonymy.**
Flagstaff Hill DN, W.G. Howes; HT ♂ designated by Prout, BMNH.
Not mentioned by Hudson.
Note. Prout distinguished his subspecies on hindwing colour. NZAC has specimens intermediate for this character.

rixata Felder & Rogenhofer, 1875, pl. cxxii fig. 1 (*Cidaria*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 49, pl. vii fig. 11; 1928, p. 99, pl. xii fig. 43 and 44.

squalida Butler, 1879a, p. 505 (*Cidaria*). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 75).
Dunedin DN, F.W. Hutton; HT ♂ labelled as "type", BMNH.
Hudson 1898, p. 49; 1928, p. 99; as synonym.

liara Prout, 1939, p. 290 (*Euphyia;* as subspecies of *rixata*). **New synonymy.**
Titahi Bay WN, W.G. Howes; HT ♂ designated as "Type" by Prout, BMNH.
Not mentioned by Hudson.
Note. Prout distinguished his subspecies on hindwing pattern, and distinguished between North Island (ochreous) and South Island (grey). NZAC has specimens from both North and South islands with ochreous hindwings, and others of intermediate colour.

subrectaria Guenée, 1857b, p. 411 (*Coremia*)
Tasmania, ?collector; HT ♂ unique, MNHP.
Hudson 1928, p. 102, pl. xiii fig. 31.

casta Butler, 1880, pp. 553–554 (*Coremia*). Synonymised by Meyrick (1917b, p. 255).
Blenheim MB, W. Skellon; HT ♀ unique, BMNH.
Hudson 1928, p. 102, as synonym.
Note. The name *subrectaria* might not apply to New Zealand populations, which on colour pattern agree better with Brisbane Qld specimens in BMNH. The other Meyrick synonym listed by Hudson (*Cidaria responsata* Walker) is from South Australia.

• ***Microdes*** Guenée, 1857b, pp. 296–297. Type species *Microdes villosata* Guenée, by subsequent designation (Meyrick 1917b, p. 252); Tasmania.

epicryptis Meyrick, 1897b, p. 384 (*Microdes*)
Wellington WN, G.V. Hudson; LT ♂ selected by D.S. Fletcher, labelled "Microdes epicryptis Meyrick lectotype ♂ DSF 1948", "Wellington New Zealand GVH .96", "Lectotype", BMNH.
Hudson 1928, p. 88, pl. xi fig. 2.
Note. The specimens identified as "*Scoparia elaphra* Meyr." from Antipodes Is by Salmon in Salmon & Bradley (1956, p. 64) are both *M. epicryptis*.

quadristrigata Walker, 1862a, p. 1200 (*Microdes*)
[Auckland AK], D. Bolton; HT ♀ unique, BMNH.
Hudson 1928, p. 88, pl. xi fig. 1.

interclusa Walker, 1862a, p. 1202 (*Larentia*). Synonymised by Meyrick (1884b, p. 109).
[?Auckland AK], J.F. Churton; HT ♀ unique, BMNH.
Hudson 1928, p. 88, as synonym.

toriata Felder & Rogenhofer, 1875, pl. cxxxi fig. 34 (*Microdes*). Synonymised by Meyrick (1917b, p. 252).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1928, p. 88, as synonym.

rectilineata Hudson, 1898, p. 45 (*Chloroclystis*). Synonymised by Meyrick (1913a, p. 23).
Wellington WN, W.P. Cohen; HT ♀ unique, NMNZ.
Hudson 1898, p. 45, pl. vi fig. 22, as species; 1928, p. 88, as synonym.

• ***Notoreas*** Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Pasithea* Meyrick.

Pasithea Meyrick, §1883d, p. 529; 1884b, p. 84; preoccupied by *Pasithea* Oken, 1807 (Vermes). Type species *Fidonia perornata* Walker, by subsequent designation (Meyrick 1917b, p. 261).

Lythria of authors, but not Hübner (1823, p. 300) (Meyrick 1917b, p. 263; Prout 1927, p. 78).
Note. The indicated arrangement is that of Craw (1986).

arcuata Philpott, 1921, pp. 338–339 (*Notoreas*)
St Arnaud Range NN/MB, R.R. Grimmett; HT ♀ lacking locality label, but designated by Philpott, NZAC.
Hudson 1928, p. 125, but not pl. xiv fig. 39.

atmogramma Meyrick, 1911b, pp. 59–60 (*Notoreas*)
Mount Holdsworth WN, G.V. Hudson; LT ♀ labelled as "♂ type", BMNH.
Hudson 1928, p. 124, pl. xiv fig. 36 and 37.

blax Prout, 1939, p. 244 (*Notoreas*)
Bold Peak, Humboldt Range OL, W.G. Howes; HT ♂ labelled by Prout as "♂ Type", BMNH.
Not mentioned by Hudson. Prout (in Seitz, vol. xii) 1939, p. 244, pl. 24 line f.

chioneres Prout, 1939, p. 244 (*Notoreas*)
Obelisk, Old Man Range CO, W.G. Howes; HT ♂ designated by Prout, BMNH.
Not mentioned by Hudson. Prout (in Seitz, vol. xii) 1939, pl. 24 line f.

chrysopeda Meyrick, 1888b, p. 48 (*Arctesthes*; as *Arcteuthes*, misspelling)
Mount Arthur NN, 4,000 ft, E. Meyrick; LT ♂ here designated, labelled "Mt Arthur New Zealand 4000 ft 15/1/86", "Arctesthes chrysopeda Meyr. Type ♂", BMNH.
Hudson 1898, p. 68, pl. vii fig. 33 and 34; 1928, p. 132, pl. xv fig. 2 and 3; as *Lythria chrysopeda.*

galaxias Hudson, 1928, p. 125 (*Notoreas*)
Old Man Range CO, 4,000 ft, J.H. Lewis; HT ♀ unique, NMNZ.
Hudson 1928, p. 125, pl. xv fig. 29.

hexaleuca Meyrick, 1914a, p. 103 (*Dasyuris*)
Ben Lomond OL, A. Philpott; HT ♀ unique, BMNH.
Hudson 1928, p. 125, not figured; 1939, p. 411, pl. lvi fig. 30 (according to Meyrick, from Mount Cook MK).

ischnocyma Meyrick, 1905, pp. 221–222 (*Notoreas*)
Craigieburn Range MC, 5,600 ft, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1898, p. 72, pl. viii fig. 27, as *Notoreas isoleuca* (not of Meyrick, q.v.); 1928, p. 126, pl. xv fig. 30, as *Notoreas ischnocyma.*
Note. Meyrick proposed the name *ischnocyma* for the species depicted by Hudson.

isoleuca Meyrick, 1897b, p. 386 (*Notoreas*)
Castle Hill MC, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 125, pl. xv fig. 1, as *Notoreas isoleuca.*

isomoera Prout, 1939, p. 244 (*Notoreas*)
[Ben Lomond], Queenstown OL, W.G. Howes; HT ♂ designated by Prout, BMNH.
Not mentioned by Hudson. Prout 1939 (in Seitz, vol. xii), pl. 24 line f.

mechanitis Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 86 (*Pasithea*)
Arthur's Pass NC/WD, 3,100 ft, E. Meyrick; LT ♀ labelled as "Type" by L.B. Prout, BMNH.
Hudson 1898, p. 72, pl. viii fig. 9–11; 1928, p. 124, pl. xiv fig. 38; as *Notoreas mechanitis*, after Meyrick (§1885h, p. 589; 1886c, p. 184).

niphocrena Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 88 (*Pasithea*)
Arthur's Pass NC/WD, 4,500 ft, E. Meyrick; LT ♀ labelled as "Type" by L.B. Prout, BMNH.
Hudson 1898, p. 74, not figured; 1928, p. 126, pl. xiv fig. 42 and 43; as *Notoreas niphocrena*, after Meyrick (§1885h, p. 589; 1886c, p. 184).

ortholeuca Hudson, 1923b, p. 129 (*Notoreas*)
Stoney Peak, Glenorchy OL, F.S. Oliver; HT in F.S. Oliver Collection, lost.
Hudson 1928, p. 125, pl. li fig. 17.

paradelpha Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 86–87 (*Pasithea*)
Ben Lomond OL, 5,000 ft, E. Meyrick; LT ♂ labelled as "type ♂" by L.B. Prout, BMNH.
Hudson 1898, p. 72, pl. viii fig. 12–14; 1928, pp. 124–125, pl. xiv fig. 40; as *Notoreas paradelpha*, after Meyrick (§1885h, p. 589; 1886c, p. 184).

perornata Walker, 1863a, p. 1672 (*Fidonia*)
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ unique, BMNH.
Hudson 1898, p. 72 (but pl. viii fig. 4–8 not a good match with HT), as *Notoreas perornata*, after Meyrick (§1885h, p. 589; 1886c, p. 184); 1928, p. 131, pl. xv fig. 42 (a reasonable match), as *Lythria perornata*, after Prout (1927, p. 78).
Note. Not to be confused with *Lythria perornata* Walker, 1862a, p. 1056, from Tasmania.

regilla Philpott, 1928a, p. 360 (*Lythria*)
Dun Mountain NN/MB, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 412, as synonym of *Lythria perornata.* Prout 1939, p. 247, pl. 24 line h, as *Arctesthes regilla.*

simplex Hudson, 1898, p. 74 (*Notoreas*)
Mount Arthur NN, G.V. Hudson; HT ♀ unique, labelled "402a" ["Tableland of Mt Arthur, Jan 7 [18]91, 3400 ft" – Hudson's Register], NMNZ.
Hudson 1898, p. 74, pl. viii fig. 26; 1928, p. 126, pl. xiv fig. 44.

Also 1 undescribed species (NZAC).

• ***Orthoclydon*** Warren, 1894, p. 393. Type species *Acidalia praefactata* Walker, by original designation.

chlorias Meyrick, §1883d, p. 528; 1884b, pp. 77 (key) and 80 (*Larentia*)
Castle Hill MC, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1898, pp. 63 and 64, not figured; 1928, p. 107, pl. xlix fig. 1 and 2, pl. xiv fig. 46.

princeps Hudson, 1903, p. 244, pl. xxx fig. 1 (*Venusia*). Synonymised by Meyrick (1905, p. 220).
[MC], R.W. Fereday; HT ♂ unique, CMNZ.
Hudson 1928, p. 107, as synonym.

praefactata Walker, 1861, p. 781 (*Acidalia*)
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, pp. 60–61, pl. vii fig. 30, as *Xanthorhoe praefactata*; 1928, pp. 106–107, pl. xiv fig. 21 and 22, as *Orthoclydon praefactata*, following Meyrick (1917b, p. 261).

subtentaria Walker, 1863a, pp. 1610–1611 (*Acidalia*). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 78).
[Auckland AK], A. Sinclair; HT ♀ unique, BMNH.
Hudson 1898, p. 60; 1928, p. 106; as synonym.

absconditaria Walker, 1863a, p. 1611 (*Acidalia*). Synonymised by Meyrick (§1883d, p. 528; 1884b, p. 78).
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♀ unique, BMNH.
Hudson 1898, p. 60; 1928, p. 106; as synonym.

pseudostinaria Hudson, 1918, p. 61 (*Xanthorhoe*)
Otira Valley WD, G.V. Hudson; HT ♂ unique, Hudson label "767a", NMNZ.
Hudson 1928, p. 107, pl. xiv fig. 12, as *Orthoclydon pseudostinaria.*

• ***Paradetis*** Meyrick, §1885h, p. 589; 1886c, p. 184; replacement name for *Parysatis* Meyrick.

Parysatis Meyrick, §1883d, p. 526; 1884b, pp. 58–59; preoccupied by *Parysatis* Thomson, 1868 (Coleoptera). Type species *Parysatis porphyrias* Meyrick, by original monotypy.

porphyrias Meyrick, §1883d, p. 526; 1884b, p. 59 (*Parysatis*)
Otira Gorge WD, E. Meyrick; HT ♀ unique, BMNH.
Hudson 1898, p. 41, pl. vi fig. 36; 1928, p. 109, pl. xi fig. 37 and 38.

• ***Paranotoreas*** Craw, 1986, p. 136. Type species *Fidonia*(?) *brephosata* Walker, by original designation.

brephosata Walker, 1862, p. 1037 (*Fidonia*?)
Waikouaiti DN, P. Earl; LT ♀ here designated, labelled "New Zeal. 45-30" (circular), "12. Fidonia brephosata" (strip cut from Walker's proof), "Type" (circular, green margin), BMNH.
Hudson 1898, p. 75, pl. vii fig. 20–23; 1928, pp. 126–127, pl. xv fig. 32 and 33; as *Notoreas brephos*, an unjustified emendation by Meyrick (1884b, p. 90 – "I have corrected Walker's barbarously-formed name"). Philpott 1928g, p. 484, fig. 8, ♂ genitalia.

catocalaria Guenée, 1868, p. 62 (*Larentia*). Synonymised by Meyrick (§1883d, p. 529; 1884b, p. 89).
"Canterbury" [?Mount Hutt MC], R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1898, p. 75; 1928, p. 126; as synonym.

brephos Felder & Rogenhofer, 1875, pl. cxxix fig. 5 (*Fidonia*). Synonymised by Meyrick (§1883d, p. 529; 1884b, p. 89).
[Nelson NN, T.R. Oxley]; LT ♂ here designated, labelled "Novara cxxix f5 Fidonia brephos n ♂ N. Seeld" (purple ink), BMNH.

vulcanica Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 89 (*Pasithea*). Synonymised by Craw (1986, p. 136).
Makatoku HB, E. Meyrick; LT ♀ here designated, labelled "Makatoku New Zealand 8/3/83", "Type" (circular, red margin), BMNH.
Hudson 1898, p. 75, pl. viii fig. 24; 1928, p. 127, pl. xv fig. 35; as *Notoreas vulcanica*, after Meyrick (§1885h, p. 589; 1886c, p. 184).
Note. There is no sign of the Kaweka Range HB STs at BMNH. Prout (1939, p. 243, not figured) stated: "Possibly *vulcanica* is only an extreme local form of [*brephosata* Walker?]".

ferox Butler, 1877, p. 392, pl. 42 fig. 8 (*Fidonia*)
[Castle Hill MC], J.D. Enys; HT ♀ labelled by Butler as "type", BMNH.
Hudson 1898, p. 74, pl. viii fig. 17 (forewings wrong colour); 1928, p. 126, pl. xv fig. 34; as *Notoreas ferox.*

fulva Hudson, 1905a, p. 357 (*Lythria*)
Wedderburn CO, J.H. Lewis; LT ♂ here designated, labelled "546a" ["Wedderburn, summer 1899–1900 J.H. Lewis" – Hudson's Register], NMNZ.
Hudson 1928, p. 127, pl. xv fig. 7, as *Notoreas fulva.*

opipara Philpott, 1915, p. 196 (*Notoreas*)
Mount Rakeahua SI, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 123–124, pl. xv fig. 16, as *Notoreas opipara.*

zopyra Meyrick, §1883d, p. 529; 1884b, pp. 85 (key) and 89 (*Pasithea*)
Mount Hutt MC, in gully, R.W. Fereday; LT ♀ here designated, labelled "Holotype ♀ Pasithea zopyra Meyrick", "Jan. 1882 Mt Hutt in shingle bed of gully", CMNZ.
Hudson 1898, pp. 74–75, pl. viii fig. 18 and 19, as *Notoreas zopyra*, after Meyrick (§1885h, p. 589; 1886c, p. 184); 1928, pp. 126–127, as synonym of *Notoreas brephos*, after Meyrick (1917b, p. 262). Prout 1939, p. 243, pl. 24 line d, as species, after Philpott (1928g, p. 484, fig. 7, ♂ genitalia).

• ***Pasiphila*** Meyrick, §1883d, p. 527; 1884b, pp. 58 (key) and 66. Type species *Eupithecia*? *bilineolata* Walker, by original monotypy.

Helastiodes Warren, 1895, p. 110. Type species *Eupithecia*? *bilineolata* Walker, by original designation.
Note. Gathered here are those "*Chloroclystis*" species with fasciculate ♂ antennae; cf. *Chloroclystis* (above) and Dugdale 1971, p. 106.

acompsa Prout, 1927, p. 76 (*Chloroclystis*), replacement name for *Chloroclystis modesta* Philpott, 1915, p. 193, preoccupied (in Prout's view) by *Chloroclystis modesta* (Warren, 1893, p. 383; Sikkim) (as *Calluga modesta*)
Bold Peak OL, C.C. Fenwick; HT ♂ designated by Philpott (as *Chloroclystis modesta*), NMNZ.
Hudson 1928, p. 94, pl. xv fig. 19, as *Chloroclystis acompsa.*

aristias Meyrick, 1897b, p. 385 (*Chloroclystis*)
Mount Peel, Mount Arthur Tableland NN, G.V. Hudson; HT ♂ unique, worn, BM Geometridae genitalia slide no. 5368, BMNH.
Hudson 1898, p. 42, pl. vi fig. 21 and 22; 1928, p. 94, pl. xi fig. 26 and 27; as *Chloroclystis aristias.*

bilineolata Walker, 1862a, p. 1246 (*Eupithecia*?)
Nelson NN, T.R. Oxley; HT ♀ unique, BM Geometridae genitalia slide no. 7274, BMNH.
Hudson 1898, pp. 41–42 (in part), pl. vi fig. 9 and 10; 1928, p. 93, pl. xliv fig. 4 (but not pl. xi fig. 8), as *Chloroclystis bilineolata.*
Note. Gathered under this name are the intricately patterned green, *Hebe*-defoliating 'species' with two spine-like, unequal cornuti on the aedeagal vesica.

paralodes Meyrick, 1913, p. 23 (*Chloroclystis*). **New synonymy.**
[Head of] Lake Wakatipu OL, G.V. Hudson; LT ♂ here designated, labelled "Chloroclystis paralodes Meyrick Type ♂" (Prout's handwriting), "L. Wakatipu New Zealand GVH .07", BM Geometridae genitalia slide no. 11155, BMNH.
Hudson 1928, p. 92, pl. xi fig. 20 and 21, as species.

zatricha Meyrick, 1913a, p. 24 (*Chloroclystis*). **New synonymy.**
Wellington WN, G.V. Hudson; HT ♂ unique, BM Geometridae genitalia slide no. 11164, BMNH.
Hudson 1928, p. 92, not figured, as species.
Note. Although Hudson (1928) states "I am unable to identify this form", Meyrick had pointed out (1913a, p. 24) that Hudson regarded many of his specimens as forms of *antarctica*, which Meyrick split into 3 species in 1913.

lacustris Meyrick, 1913a, p. 24 (*Chloroclystis*). **New synonymy.**
Lake Harris, head of Lake Wakatipu OL, G.V. Hudson; LT ♂ here designated, labelled "Figured in Seitz vol. xii, pl.", "L. Wakatipu New Zealand GVH .06", "Type", head missing, BMNH.
Hudson 1928, pp. 92–93, pl. xi fig. 19, as species.

hudsoni Prout, 1958, p. 410 (*Chloroclystis;* as aberration of *antarctica*). **New synonymy.**
Arthur's Pass NC/WD, G.V. Hudson; HT ♂ depicted by Hudson, NMNZ.
Hudson 1928, pp. 92–93, pl. xi fig. 4, as *Chloroclystis bilineolata.*
Note: Arthurs Pass ♂♂ have 2 cornuti on the aedeagal vesica.

charybdis Butler, 1879a, p. 503 (*Helastia*)
[Dunedin DN], F.W. Hutton; HT ♂ designated by Butler, BM Geometridae genitalia slide no. 11156, BMNH.
Hudson 1898, p. 41, as synonym of *Chloroclystis bilineolata*; 1928, p. 93, not figured, as *Chloroclystis charybdis.*
Note. Gathered under this name are the intricately patterned brown and green 'species' with one spine-like cornutus on the aedeagal vesica.

calida Butler, 1879a, p. 504 (*Helastia*). Synonymised under *charybdis* by Meyrick (1917b, p. 253).
[Dunedin DN], F.W. Hutton; HT ♂ unique, worn, BMNH.
Hudson 1898, p. 41, as synonym of *Chloroclystis bilineolata*, after Meyrick (§1883c, p. 527; 1884b, p. 66); 1928, p. 93, as synonym of *Chloroclystis charybdis.*

antarctica Hudson, 1898, p. 42 (*Chloroclystis*).
West Plains SL, A. Philpott; specimen matching Hudson's illustration not found in NMNZ.
Hudson 1898, p. 42, pl. vi fig. 20, as *Chloroclystis antarctica*; 1928, p. 93, pl. xi fig. 8, as synonym of *Chlorochystis bilineolata*, after Meyrick (1913a, p. 24).
Note. Males from West Plains collected by Philpott agree well with Hudson's (1898) illustration, and with HT *charybdis* genitalia.

cotinaea Meyrick, 1913a, pp. 24–25 (*Chloroclystis*)
Masterton WA, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1928, p. 93, not figured; as *Chloroclystis cotinaea.*

tornospila Meyrick, 1931a, p. 94 (*Chloroclystis*). **New synonymy.**
Waimarino [National Park] TO, G.V. Hudson; HT ♂ unique, bearing Hudson label "1171a", BMNH.
Hudson 1939, pp. 403–404, pl. lvi fig. 13, as *Chloroctystis tornospila.*
Note. HT ♂♂ of both nominal species share a characteristic hindwing shape (rectangular anal angle) and features of the colour pattern on head, patagia, abdomen, forewing, and hindwing. Most conspicuous are the E-shaped lunule at the apex of the discal cell, and the prominent pre-tornal blotch between veins *CuA2* and *CuP.*

dryas Meyrick, 1891, p. 97 (*Pasiphila*)
Wellington WN, G.V. Hudson; HT ♂ unique, BM Geometridae genitalia slide no. 5379, BMNH.
Hudson 1898, p. 43, pl. vi fig. 12; 1928, pp. 93–94, pl. xi fig. 17, as *Chloroclystis dryas.*

erratica Philpott, 1916, pp. 420–421 (*Chloroclystis*)
Mount Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 94–95, pl. xi fig. 35, as *Chloroclystis erratica.*

fumipalpata Felder & Rogenhofer, 1875, pl. cxxxi fig. 33 (*Eupithecia*)
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1928, p. 96, pl. xi fig. 28, as *Chloroclystis fumipalpata.*

maculata Hudson, 1898, pp. 44–45 (*Chloroclystis*). Synonymised by Philpott (1926a, p. 388).
[Manners Street], Wellington WN, W.P. Cohen; HT ♀ unique, NMNZ.
Hudson 1898, pp. 44–45, pl. vi fig. 18, as species; 1928, p. 96, as synonym.

furva Philpott, 1917b, pp. 239–240 (*Chloroclystis*)
Mount Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 94, pl. xi fig. 34, as *Chloroclystis furva.*

halianthes Meyrick, 1907c, p. 107 (*Chloroclystis*)
[head of] Lake Wakatipu OL, G.V. Hudson; LT ♂ here designated, labelled "Chloroclystis halianthes Meyr. Type ♂" and "Figured in Seitz vol. xii, pl. ..." (in Prout's writing), "L. Wakatipu New Zealand G.V.H. 06", BMNH.
Hudson 1928, p. 95, pl. xii fig. 17, as *Chloroclystis halianthes.*

rufulitincta Prout, 1914, p. 123 (*Chloroclystis*). Synonymised by Meyrick (1917b, p. 274).
Ben Lomond OL, W.G. Howes; HT ♂ designated as "♂ type" by Prout, BMNH.
Hudson 1928, p. 95, as synonym.

heighwayi Philpott, 1927a, p. 704 (*Chloroclystis*)
Pukeatua Bush, Banks Peninsula MC, W. Heighway; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 93, not figured, as *Chloroclystis heighwayi.*
Note. Locality label on HT reads "Kiwi Bush".

humilis Philpott, 1917b, p. 240 (*Chloroclystis*)
Queenstown OL, M.O. Pasco; HT ♂ designated by Philpott [Pasco Collection, SMNZ, lost], AT ♀ designated by Philpott, NZAC.
Hudson 1928, p. 97, pl. xi fig. 9.

melanocentra Meyrick, 1934, p. 151 (*Chloroclystis*). **New synonymy.**
Ben Lomond OL, Lawford White; HT ♂ and AT ♀ *in copulo*, pinned on a piece of cork, CMNZ.
Hudson 1939, p. 405, pl. lxii fig. 26, as species.
Note. Hudson (1939) stated: "This species seems close to *Chloroclystis humilis* Philpott". Examination of type specimens and specimens from several localities disclosed no clear differences, hence the synonymy.

lunata Philpott, 1912, p. 115 (*Chloroclystis*)
Wallacetown SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 93, pl. xi fig. 22–25, as *Chloroclystis lunata.*
Note. *C. vieta* (below) may prove to be synonymous.

magnimaculata Philpott, 1915, p. 193 (*Chloroclystis*)
Queenstown OL, M.O. Pasco; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 95, pl. xi fig. 33, as *Chloroclystis magnimaculata.*

rufipellis Meyrick, 1927b, pp. 313–314 (*Chloroclystis*). **New synonymy.**
Gollan's Valley WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 405, pl. lvi fig. 11, as species.

irabunda Prout, 1958, p. 410 (*Chloroclystis*; as subspecies of *magnimaculata*). **New synonymy.**
Flagstaff, Dunedin DN, ?collector; HT ♂ designated by Prout as "♂ Type", BMNH.
Note. Populations of *P. magnimaculata* are variable for intensity of colour pattern; intergrades of all three nominal conditions are met with.

malachita Meyrick, 1913a, p. 25 (*Chloroclystis*)
Lake Harris OL, G.V. Hudson; LT ♂ here designated, labelled "Chloroclystis malachita Meyr. Type ♂" by Prout, "Lake Harris New Zealand G.V.H. .11", head loose, BMNH.
Hudson 1928, p. 95, pl. xi fig. 32, as *Chloroclystis malachita.*
Note. The ♂ antenna has fascicles of cilia, and is not (as Hudson states) evenly ciliated.

luminosa Philpott, 1915, pp. 192–193 (*Chloroclystis*). Synonymised by Meyrick (1917b, p. 254).
Ben Lomond OL, A. Philpott, HT ♂ and AT ♀ not located in NZAC.
Hudson 1928, p. 95, as synonym.

melochlora Meyrick, 1911b, p. 58 (*Chloroclystis*)
Otira Valley WD, G.V. Hudson; LT ♂ here designated, labelled "Chloroclystis melochlora Meyr. Type ♂" by Prout, "Otira River New Zealand G.V.H. 12.08", BMNH.
Hudson 1928, p. 91, pl. xi fig. 14, as *Chloroclystis melochlora.*

muscosata Walker, 1862a, p. 1246 (*Eupithecia*?)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 41, as synonym of *Chloroclystis bilineolata*; 1928, p. 91, pl. xi fig. 15, as *Chloroclystis muscosata.*

cidariaria Guenée, 1868, p. 62 (*Eupithecia*). Synonymised by Meyrick (1888b, p. 50).
[Christchurch] MC, R.W. Fereday; type series probably in MNHN.
Hudson 1928, p. 91, as synonym.

aquosata Felder & Rogenhofer, 1875, pl. cxxxii fig. 38 (*Cidaria*). Synonymised by Meyrick (1888b, p. 50).
[Nelson NN, T.R. Oxley]; HT ♀ unique, ♂ genitalia glued on to base of ♀ abdomen, BMNH.
Hudson 1928, p. 91, as synonym.

nebulosa Dugdale, 1971b, pp. 112–114, fig. 77–83 (*Pasiphila*)
Adams Island, Auckland Islands, K.A.J. Wise; HT ♂ designated by Dugdale, NZAC.

plinthina Meyrick, 1888b, pp. 49–50 (*Pasiphila*)
Wellington WN, A. Purdie; HT ♂ unique, BMNH.
Hudson 1928, pp. 90–91, pl. xi fig. 10, as *Chloroclystis plinthina.*

punicea Philpott, 1923, pp. 148–149 (*Chloroclystis*)
Rowallan FD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 91, pl. xlviii fig. 12, as *Chloroclystis punicea.*

Note. Both this HT and the ST series of *semochlora* (below) have very short palpi. The whole species-complex includes *bilineolata* and *suffusa*, and requires critical appraisal.

rivalis Philpott, 1916, p. 421 (*Chloroclystis*)
Mount Cleughearn, Hunter Mountains FD, A. Philpott; HT ♂ designated by Philpott, head missing, NZAC.
Hudson 1928, p. 90, pl. xv fig. 18, as *Chloroclystis rivalis*.
Note. Hudson depicted a North Island specimen (Ruapehu TO), and noted that "specimens from Mount Egmont [TK] and Mount Ruapehu are smaller and darker than those from the south".

rubella Philpott, 1915, pp. 193–194 (*Chloroclystis*)
Bold Peak OL, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 94, pl. xii fig. 19, as *Chloroclystis rubella*.

sandycias Meyrick, 1905, pp. 219–220 (*Chloroclystis*)
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Chloroclystis sandycias Meyr. Type ♂" by Prout, "Wellington New Zealand G.V.H. /98", BM Geometridae genitalia slide no. 5391, BMNH.
Hudson 1898, p. 41, pl. vi fig. 8, as *Chloroclystis plinthina*; 1928, p. 90, pl. xi fig. 11–13, as *Chloroclystis sandycias*.

semochlora Meyrick, 1919, pp. 349–350 (*Chloroclystis*)
Mount Egmont TK, 3,000 ft, G.V. Hudson; LT ♂ here designated, labelled "Chloroclystis semochlora Meyr. Type ♂" by Prout, "Mt Egmont New Zealand G.V.H. 3000′ 2.18", BMNH.
Hudson 1928, p. 92, pl. xlviii fig. 3 and 4, as *Chloroclystis semochlora*.

suffusa Hudson, 1928, p. 97 (*Chloroclystis*)
Mount Egmont TK, 3,000 ft, M.N. Watt; LT ♂ here designated, labelled "Holotype ♂" by J.T. Salmon, "Egmont 26.1.16 M.N. Watt", NMNZ.
Hudson 1928, p. 97, pl. xii fig. 16, as *Chloroclystis suffusa*.

urticae Hudson, 1939, p. 404 (*Chloroclystis*)
South Karori WN, G.V. Hudson; LT ♂ here designated, labelled "1089h" ["South Karori bred from larva taken on nettle, bred Nov. 7–21 1937" – Hudson's Register], NMNZ.
Hudson 1939, p. 404, pl. liv fig. 1 (larva).

vieta Hudson, 1950, p. 85 (*Chloroclystis*)
Mount Egmont TK, 3,200 ft, A. Castle; HT ♀ unique, NMNZ.
Hudson 1950, p. 85, pl. vi fig. 9.
Note. This species and *lunata* Philpott should be critically compared. Although Hudson reports 3,500 ft as the altitude, the label on the HT reads "3200 ft".

Also 6 undescribed species (NZAC).

• ***Phrissogonus*** Butler, 1882a, p. 94, in the sense of Holloway (1979, p. 317). Type species *Scotosia canata* Walker, 1862b, p. 1357 (= *Larentia laticostata* Walker, 1862a, p. 1196).

laticostatus Walker, 1862a, p. 1196 (*Larentia*)
Sydney N.S.W., Lambert; ST ♂ labelled as "Type", BM Geometridae genitalia slide no. 8080, BMNH.
New Zealand: first recorded from Nelson NN (Meyrick 1913a, pp. 22–23).
Hudson 1928, pp. 88–89, pl. xi fig. 3 and 4.

• ***Poecilasthena*** Warren, 1894, p. 394. Type species *Acidalia pulchraria* Doubleday, by original designation.

Astheniodes Hampson, 1903b, p. 647. Type species *Astheniodes polycymaria* Hampson, 1903b, p. 648 (= *Asthena subpurpureata* Walker), by original designation; India. Synonymised with *Asthena* of authors by Prout (1927, p. 76).

pulchraria Doubleday, 1843, p. 286 (*Acidalia*)
"New Zealand", E. Dieffenbach; HT ♀ unique, BMNH.
Hudson 1898, p. 52, pl. vi fig. 37 and 38; 1928, p. 103, pl. xii fig. 29 and 30; as *Asthena pulchraria*.

ondinata Guenée, 1857a, p. 438 (*Asthena*). Synonymised by Meyrick (†1883d, p. 527; 1884b, p. 69).
"Tasmanie", ?collector; HT ♂ labelled "ex typicalibus specimenibus", "ex Musaeo Ach. Guenée", BMNH.
Hudson 1898, p. 52; 1928, p. 103; as synonym.

plurilineata Walker, 1861, p. 563 (*Chlorochroma*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 69).
"Tasmania", A.J. Smith; HT ♂ unique, BMNH.
Hudson 1898, p. 52; 1928, p. 103; as synonym.

schistaria Walker, 1861, p. 782 (*Acidalia*)
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, pp. 52–53, pl. vi fig. 40 and 42; 1928, p. 104, pl. xlviii fig. 1 and 2; as *Asthena schistaria*.

subpurpureata Walker, 1863a, p. 1588 (*Asthena*)
[Nelson NN], T.R. Oxley; HT ♀ unique, abdomen missing, BMNH.
Hudson 1898, pp. 52–53 (part), pl. vi fig. 39, 40a, and 41, as synonym of *Asthena schistaria*, after Meyrick (§1883d, p. 527; 1884b, p. 69).

tuhuata Felder & Rogenhofer, 1875, pl. cxxviii fig. 5 (*Acidalia*). Synonymised by Prout (1927, p. 76).
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1898, p. 52, as synonym of *Asthena schistaria*; 1928, p. 103, pl. xii fig. 31 and 32, as *Asthena subpurpureata*.

polycymaria Hampson, 1903b, p. 648 (*Astheniodes*). Synonymised by Prout (1927, p. 76).

"India", F. Moore Collection; HT ♂ labelled as "Asteniodes polycymaria Hampson type ♂", BMNH.
Hudson 1928, p. 103, as synonym.
Note. Prout (1927, p. 76) regards the type locality as erroneous.

• ***Tatosoma*** Butler, 1874, p. 43. Type species *Cidaria tipulata* Walker (as *Cidaria agrionata* var. *tipulata* Walker), by original designation.

agrionata Walker, 1862b, p. 1417 (*Cidaria*)
[?Hawkes Bay HB or Taupo TO], W. Colenso; LT ♂ here designated, labelled "86. Cidaria agrionata", "53-19 New Zeal.", "Type", BM Geometridae genitalia slide no. 6451, BMNH.
Hudson 1928, pp. 85–86, pl. xii fig. 6 and 7.

collectaria Walker, 1862b, p. 1419 (*Cidaria*). **New synonymy.**
[?Hawkes Bay HB or Taupo TO], W. Colenso; LT ♀ here designated, labelled "89. Cidaria collectaria", "53-19 New Zeal.", "25", "Type", BM Geometridae genitalia slide no. 6452, BMNH.
Hudson 1928, p. 85, as synonym of *Tatosoma tipulata*.

alta Philpott, 1913, p. 76 (*Tatosoma*)
Humboldt Range FD, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 86, pl. xii fig. 10 and 11.

nigra Hudson, 1922, p. 196 (*Tatosoma*). **New synonymy.**
Mount Ruapehu TO, 4,000 ft, G.V. Hudson; HT ♀ unique, labelled "1050a", NMNZ.
Hudson 1928, p. 87, pl. 1 fig. 22, as species.

apicipallida Prout, 1914, pp. 122–123 (*Tatosoma*)
Ben Lomond OL, W.G. Howes; HT ♀ labelled as "Tatosoma apicipallida Prout ♀ type", BMNH.
Hudson 1928, p. 86, pl. xliv fig. 28 and 29.

fasciata Philpott, 1914, p. 118 (*Tatosoma*)
Lake McKenzie, Hollyford Valley OL, M.O. Pasco and J. Speden; HT ♂ designated by Philpott, lost (originally in Pasco Collection, SMNZ).
Hudson 1928, p. 86, pl. xii fig. 1, pl. xliv fig. 31.

lestevata Walker, 1862b, pp. 1416–1417 (*Cidaria*)
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "85. Cidaria lestevata", "60-73 Auckland N. Zeal.", "Type", abdomen in gelatin capsule, BMNH.
Hudson 1898, pp. 39–40, pl. vi fig. 25; 1928, p. 85, pl. xii fig. 4 and 5.

ranata Felder & Rogenhofer, 1875, pl. cxxxi fig. 11 (*Sauris*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 67).
[Nelson NN, T.R. Oxley]; HT ♂ unique, apex of abdomen missing, BMNH.
Hudson 1898, p. 39; 1928, p. 85; as synonym.

monoviridisata Clarke, 1920, p. 35 (*Tatosoma*)
Waitati DN, C.E. Clarke; HT ♂ designated by Clarke, AMNZ.
Hudson 1928, p. 86, pl. xlix fig. 6 and 7.

transitaria Walker, 1862b, p. 1419 (*Cidaria*)
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♀ unique, BM Geometridae genitalia slide no. 8086, BMNH.
Hudson 1898, p. 40, as synonym of *Tatosoma agrionata*; 1928, p. 86, as species, after Meyrick (1911b, p. 71).

timora Meyrick, §1884c, p. 234 (listed); 1885d, p. 65, replacement name for *Tatosoma agrionata* in the sense of Meyrick (1884b, p. 68). **New synonymy.**
Christchurch MC, R.W. Fereday; HT ♂ so labelled by Prout, BMNH.
Hudson 1898, p. 40, pl. vi fig. 28 and 29, as species.

semifasciata Prout, 1958, p. 455 (*Tatosoma;* as aberration of *transitaria*). **New synonymy.**
Dunedin DN, W.G. Howes; HT ♀ labelled as "Tatosoma transitaria ab. semifasciata ♀ type" by Prout, BM Geometridae genitalia slide no. 3087, BMNH.

tipulata Walker, 1862b, pp. 1417–1418 (*Cidaria*)
[?Hawkes Bay HB or Taupo TO], W. Colenso; LT ♂ here designated, labelled "87. Cidaria tipulata", "53-19 New Zeal.", "5", "Type", BMNH.
Hudson 1898, p. 40, pl. vi fig. 26 and 27, as *Tatosoma agrionata*; 1928, p. 85, pl. xii fig. 8 and 9, as species.

inclinataria Walker, 1862b, p. 1418 (*Cidaria*). **New synonymy.**
[Auckland AK], A. Sinclair; LT ♂ (described as ♀) here designated, labelled "Cidaria inclinataria Walk., det. D.S. Fletcher 1972 syntype", "New Zeal. 47-104", abdomen missing, BMNH.
Hudson 1898, p. 40; 1928, p. 85; as synonym of *Tatosoma agrionata*.

mistata Felder & Rogenhofer, 1875, pl. cxxxi fig. 12 (*Sauris*). Synonymised by Prout (1927, p. 75).
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1898, p. 40, as synonym of *Tatosoma agrionata*.

topia Philpott, 1903, p. 247, pl. xxxii fig. 3 and 4 (*Tatosoma*; as *topea*)
West Plains, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 87, pl. xii fig. 12 and 13.
Note. The NZAC copy of *Trans. N.Z. Inst.* vol. 35 has "topea" corrected to "topia" in Philpott's handwriting.

• ***Xanthorhoe*** of authors, in part of Meyrick (1917b, p. 258)
Note. Most of the following species were placed in *Helastia* by Dugdale (1971, pp. 101–102), but that genus has been restricted by Craw (1987).

bulbulata Guenée, 1868, p. 94 (*Cidaria*)
[Christchurch] MC, R.W. Fereday; HT ♀ unique, BMNH.
Hudson 1898, p. 68, pl. viii fig. 1; 1928, p. 111, pl. xiii fig. 11.

frigida Howes, 1946, pp. 145–146, fig. 2 (*Xanthorhoe*)
Homer FD, T.M. Smith; HT ♂ unique, NMNZ.

lophogramma Meyrick, 1897b, p. 386 (*Xanthorhoe*)
Castle Hill MC, G.V. Hudson; HT ♂ unique, head missing, BMNH.
Hudson 1898, p. 59, pl. vii fig. 47 and 48; 1928, p. 110, pl. xiii fig. 45 and 46.

occulta Philpott, 1903, p. 248, pl. xxxii fig. 5 (*Xanthorrhoe*)
West Plains, Invercargill SL, A. Philpott; HT ♂ designated by Philpott, lost; 2 PT ♂♂ designated by Philpott, NZAC.
Hudson 1928, p. 122, pl. xiv fig. 14 and 15.
Note. Meyrick (1934, pp. 151–152) describes the female.

orophylla Meyrick, §1883d, p. 527; 1884b, p. 71 (*Epyaxa*)
Lake Wakatipu OL, 4,000 ft, E. Meyrick; LT ♂ here designated, labelled "Epyaxa orophylla Meyr. ♂ type", "Lake Wakatipu New Zealand 4000 ft 16/12/82", BMNH.
Hudson 1898, p. 58, pl. vii fig. 24 and 25; 1928, p. 110, pl. xiii fig. 22 and 23; as *Xanthorhoe orophylla*, after Meyrick (1917b, p. 258, as *X. orophyla*).

orophylloides Hudson, 1909, p. 68, pl. ii fig. 12 (*Xanthorhoe*)
North Arm, Carnley Harbour, Auckland Island, A.A. Dorrien-Smith; HT ♂ labelled "14" ["Carnley Harbour 21.xi.07 Dorrien-Smith" – Hudson's Register], genitalia preparation no. 124, NMNZ.
Hudson 1928, p. 110, pl. xiii fig. 38.
Note. Dugdale (1971b, p. 103) placed this species in *Helastia*, but Craw (1987) has shown this to be inappropriate.

subantarctica Salmon, 1956, p. 80 (*Xanthorhoe*). Synonymised by Dugdale (1964, p. 618).
"Campbell Island, J.H. Sorensen" [Auckland I. 21 Apr. 1944, Hoskin]; HT ♂ designated by Salmon, NMNZ.
Note. Dugdale (1964, p. 618; 1971, p. 103) also gave erroneous HT locality data. The AT ♀ is from Campbell I.

semifissata Walker, 1862b, pp. 1320–1321 (*Coremia*)
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "40. Coremia semifissata", "Auckland N. Zeal. 60-73", "Coremia semifissata Walker syntype ♂ det. D.S. Fletcher 1979", BM Geometridae genitalia slide no. 10596, BMNH.
Hudson 1898, p. 59, pl. vii fig. 26 and 27; 1928, p. 110, pl. xiii fig. 47 and 48; as *Xanthorhoe semifissata*.

ypsilonaria Guenée, 1868, p. 64 (*Coremia*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 72).
[Christchurch MC], R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1898, p. 59; 1928, p. 110; as synonym.

delicatulata Guenée, 1868, p. 94 (*Xanthorhoe*). Synonymised by Meyrick (§1883d, p. 527; 1884b, p. 72).
[Christchurch MC], R.W. Fereday; HT ♀ designated by Guenée as "Typicum specimen", BMNH.
Hudson 1898, p. 59; 1928, p. 110; as synonym.

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Subfamily OENOCHROMINAE
(in the sense of Forbes 1948)

• ***Adeixis*** Warren, 1897a, p. 27. Type species *Adeixis insignata* Warren, 1897a, p. 27, by original designation; Australia.

Paragyrtis Meyrick, 1905, p. 222. Type species *Panagra inostentata* Walker, 1861, pp. 1012–1013, by original monotypy. Synonymised by Prout (1910, p. 22).

griseata Hudson, 1903, pp. 244–245 (*Dichromodes*)
Seaward Moss [E of Invercargill] SL, A. Philpott; 2 STs labelled "543" ["543a,b Seaward Moss, Invercargill Jan. 4 -1900 (A. Philpott)" – Hudson Register], not in NMNZ.
Hudson 1928, pp. 133–134, pl. xv fig. 37, as *Adeixis griseata*, after Prout (1910, p. 22, genus) and Philpott (1921, p. 339, species).
Note. Meyrick (1905, p. 223) states: "Seaward Moss, Invercargill, described from one New Zealand and twelve Australian examples ...". Hudson (Hudson – Meyrick correspondence, p. 183; NZAC) sent Meyrick a specimen labelled "543" and listed it as "Dichromodes griseata Hdsn, poor one", over which entry Meyrick wrote: "This is a common Australian insect, Paragyrtis inostentata Walk. I have not seen it before from New Zealand; it occurs all over Australia". He repeated these remarks in his covering letter (p. 180). It is likely that 1 ST survives under *inostentata* in BMNH. NZAC has 21 topotypic specimens, collected in 1919 and 1920. Prout (1927, p. 79) also recognised *griseata* and *inostentata* as distinct entities.

• ***Dichromodes*** Guenée, 1857, p. 320. Type species *Dichromodes ainaria* Guenée, 1857, p. 321, by subsequent designation (Prout 1910, p. 23); Tasmania.

Cacopsodos Butler, 1877, p. 395. Type species *Cacopsodos niger* Butler, by monotypy. Synonymised by Meyrick (§1885h, p. 589, as *Cacopsodes*).

cynica Meyrick, 1911b, p. 60 (*Dichromodes*)
Lyttelton MC, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 134, pl. xv fig. 11.

gypsotis Meyrick, 1888b, p. 60 (*Dichromodes*)
Lake Wakatipu OL, E. Meyrick; HT ♀ unique, BMNH.

Hudson 1898, p. 78, not figured; 1928, p. 135, pl. xv fig. 15.

ida Hudson, 1905a, p. 356 (*Dichromodes*)
Ida Valley CO, J.H. Lewis; LT ♂ here designated, labelled "595a", NMNZ.
Hudson 1928, p. 134, pl. xv fig. 17.

niger Butler, 1877, p. 395, pl. xliii fig. 4 (*Cacopsodos*)
Castle Hill MC, J.D. Enys; HT ♂ labelled "Cacopsodos niger Butler Type", tip of abdomen missing, BMNH.
Hudson 1898, p. 78, pl. viii fig. 40; 1928, pp. 134–135, pl. xv fig. 13 and 36; as *Dichromodes nigra.*

simulans Hudson, 1905, p. 356 (*Dichromodes*)
[Ida Valley CO], J.H. Lewis; 2 ST ♂♂ labelled "729a" and "729b" ["Ida Valley, 1905 (J.H. Lewis)" – Hudson's Register], NMNZ.
Hudson 1928, p. 134, pl. xv fig. 14, as from Old Man Range CO, 4000 ft.

sphaeriata Felder & Rogenhofer, 1875, pl. cxxxi fig. 14 (*Cidaria*)
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 67, as synonym of *Xanthorhoe cineraria*; 1928, p. 134, pl. xv fig. 12, as species.

petrina Meyrick, 1892, p. 216 (*Dichromodes*). Synonymised by Prout (1912, p. 53; 1927, p. 79).
Wellington WN, G.V. Hudson; LT ♂ here designated, labelled "Dichromodes petrina Meyr. ♂ type" by Prout, "Wellington New Zealand G.V.H. /90", BMNH.
Hudson 1898, pp. 78–79, pl. viii fig. 39, as species; 1928, p. 134, as synonym.

• ***Samana*** Walker, 1863b, p. 197. Type species *Samana falcatella* Walker, by original monotypy.

acutata Butler, 1877, p. 401 (*Samana*)
[Christchurch MC], J.D. Enys; HT ♂ unique, head and abdomen missing, BMNH.
Hudson 1898, p. 76, not figured; 1928, p. 133, pl. xv fig. 39.

falcatella Walker, 1863b, p. 197 (*Samana*)
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♀ unique, antennae missing, BMNH.
Hudson 1898, p. 76, pl. viii fig. 36; 1928, p. 133, pl. xlviii fig. 25.

• ***Theoxena*** Meyrick, §1883d, p. 526; 1884b, p. 56. Type species *Panagra scissaria* Guenée, by original monotypy.

scissaria Guenée, 1868, p. 43 (*Panagra*)
[Christchurch MC], R.W. Fereday; LT ♂ here designated, labelled "ex Typicalibus Specimenibus", "Schissaria Gn Nlle Zel.", BM genitalia slide no. 9891, BMNH.
Hudson 1898, p. 79, pl. viii fig. 41; 1928, p. 133, pl. xv fig. 38.

• ***Xyridacma*** Meyrick, 1888b, p. 60. Type species *Hemerophila hemipteraria* in the sense of Meyrick (1888b), not of Guenée (1857) (= *Xyridacma veronicae* Prout, below), by original monotypy. See Fletcher (1979, p. 216).

Lyrcea Walker, 1860, p. 259, preoccupied by *Lyrcea* Adams, 1854 (Mollusca). Type species *Lyrcea alectoraria* Walker, by original monotypy. Synonymised by Meyrick (1917b, p. 266, under *Epirrhanthis* of authors, but not Hübner, 1823, p. 296).

Xynonia Prout, 1910, pp. 8 (key) and 65, replacement name for *Lyrcea* Walker.
Note. The name *Xyridacma* involves misidentification of a type species, and should be referred, under Article 70(a) of the Code, to the Commission on Zoological Nomenclature.

alectoraria Walker, 1860a, p. 259 (*Lyrcea*)
[Auckland AK], D. Bolton; HT ♀ unique, BMNH.
Hudson 1898, p. 80, pl. viii fig. 44–47; 1928, p. 136, pl. xvi fig. 5–8; as *Epirhanthis alectorara*, apparently the first use of this combination.
Note. Meyrick (§1883d, p. 530; 1884b, p. 95) synonymised ?*Aspilates primaria* Walker, 1862a, p. 1076, and *Endropia primaria* Walker, [1863], p. 1506. Both species are of unknown provenance, have pectinate ♂ antennae (simple in *Xyridacma*), and are irrelevant to *Xyridacma* and the New Zealand fauna. Meyrick (§1884c, p. 234) later regarded them as unidentifiable.

octomaculata Thierry-Mieg, 1915, p. 63 (*Epirranthis*; as variety of *alectoraria*). Synonymised by Hudson (1928, p. 136).
Wellington WN, G.V. Hudson; LT ♀ here designated, labelled "1117e" ["Seivers Hill, Terawhiti Dec. 26 1891" – Hudson Register], NMNZ.
Hudson 1898, p. 80, pl. viii fig. 47, as "one very well marked variety".
Note. The type entity is in one sense Hudson's illustration, but one specimen in his collection (NMNZ) agrees well with it, and is here chosen as LT.

ustaria Walker, 1863a, pp. 1519–1520 (*Ennomos*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 80, pl. viii fig. 42 and 43, as synonym of *Epirrhanthis alectoraria*; 1928, pp. 135–136, pl. xvi fig. 3 and 4, as *Epirrhanthis ustaria*, after Prout (1912, p. 53).

achroiaria Felder & Rogenhofer, 1875, pl. cxxiii fig. 6 (*Amilapis*?). Synonymised by Hudson (1928, p. 135).
[Nelson NN, T.R. Oxley]; HT ♂ unique, incomplete, only part of thorax, wings, and base of abdomen remaining, glued to the head, body, and wing stubs of another (?ennomine) geometrid, BMNH.

Hudson 1898, p. 80, as synonym of *Epirrhanthis alectoraria*; 1928, p. 135, as synonym of *Epirrhanthis ustaria*.

varians Butler, 1879a, p. 496 (*Lyrcea*). Synonymised by Hudson (1928, p. 135).
Wairarapa WA, F.W. Hutton; LT ♀ here designated, labelled "Lyrcea varians Butler. Type New Zealand 79.19", "Wairarapa", BMNH.
Hudson 1898, p. 80, as synonym of *Epirrhanthis alectoraria*; 1928, p. 35, as synonym of *Epirrhanthis ustaria*.

hudsoni Prout, 1920, p. 34 (*Xyridacma*; as aberration of *ustaria*). **New synonymy.**
Dunedin DN, W.G. Howes; HT ♂ designated by Prout, BMNH.

unilinea Prout, 1920, p. 34 (*Xyridacma*; as aberration of *ustaria*; as illustration).

veronicae Prout, 1934, p. 136, pl. 3b (*Xyridacma*), replacement name for *Xyridacma hemipteraria* in the sense of Meyrick (1888b) but not Guenée (1857)
Auckland AK, E. Meyrick; HT ♂ designated by Prout, BMNH.
Hudson 1898, p. 80, pl. vii fig. 48 and 49; 1928, p. 135, pl. xv fig. 26–28, as *Epirrhanthis hemipteraria*; 1946, p. 90, as *Epirrhanthis (Xyridacma) veronicae*.

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Subfamily STERRHINAE
(in the sense of McGuffin 1967, p. 8)

• ***Scopula*** Schrank, 1802, p. 162. Type species *Phalaena paludata* Linnaeus, in the sense of Holloway (1979, pp. 293–297); Portugal.

rubraria Doubleday, 1843, p. 286 (*Ptychopoda*?)
[Auckland AK, A. Sinclair]; ST ♂ so labelled by D.S. Fletcher, abdomen missing, BMNH.
Hudson 1898, p. 77, pl. viii fig. 37 and 38; 1928, p. 132, pl. xv fig. 8; as *Leptomeris rubraria*, apparently the first use of that combination.

repletaria Walker, 1861, p. 778 (*Acidalia*). Synonymised by Meyrick (§1884c, p. 234; 1885d, p. 63).
Sydney N.S.W., Lambert; HT ♂ unique, BMNH.
Not mentioned by Hudson.

attributa Walker, 1861, p. 779 (*Acidalia*). Synonymised by Meyrick (§1884c, p. 234; 1885b, p. 63).
Sydney N.S.W., Lambert; HT ♀ unique, BMNH.
Hudson 1898, p. 77; 1928, p. 132; as synonym.

figlinaria Guenée, 1857, p. 454, pl. 12 fig. 8 (*Acidalia*). Synonymised by Meyrick (§1883d, p. 526; 1884b, p. 57).
Tasmania, ?collector; HT ♂, BM Geometridae genitalia slide no. 8078, BMNH.
Hudson 1898, p. 77; 1928, p. 132; as synonym.

acidaliaria Walker, 1862a, p. 1037 (*Fidonia*?). Synonymised by Meyrick (§1883d, p. 526; 1884b, p. 57).
[Auckland AK], A. Sinclair; LT ♂ here designated, labelled "13. Fidonia acidaliaria", "45.61 New Zealand", "Type", BMNH.
Hudson 1898, p. 77; 1928, p. 132; as synonym.

Rejected species of Geometridae
(1) *Camptogramma correlata* Walker, 1862b, pp. 1330–1331. "New Zealand. Presented by Dr Sinclair". Does not resemble any New Zealand species, but does resemble specimens from Bathurst, Vict., Australia. Dr Sinclair could have collected it in Australia.
(2) *Panagra promelanaria* Walker, 1863a, p. 1666. Rejected by Meyrick (§1884b, p. 109); Australian.
(3) *Eupithecia inexpiata* Walker, 1863a, p. 1708. Wrongly labelled; from Patagonia (BMNH).

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Superfamily DREPANOIDEA

Family THYATIRIDAE

Thyatira batis Linnaeus was introduced to New Zealand for control of blackberry (bramble), but failed to establish. NZAC has specimens reared from the introductory batch.

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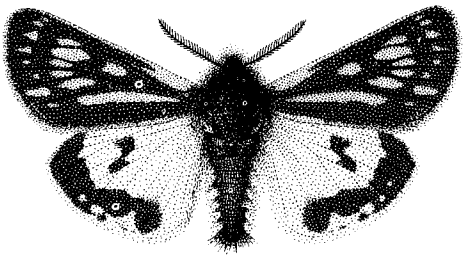
Superfamily NOCTUOIDEA
Family ARCTIIDAE



Arctiidae
(179) *Metacrias erichrysa* Meyrick

• ***Metacrias*** Meyrick, 1886e, pp. 83 (key) and 749. Type species *Metacrias erichrysa* Meyrick, by subsequent designation (Kirby 1892, p. 263).

erichrysa Meyrick, 1886e, p. 749 (*Metacrias*)
Mount Arthur NN, E. Meyrick (reared); LT ♂ here designated, labelled "Mt Arthur New Zealand 4000 ft bred 15/1/86", "Metacrias erichrysa Meyrick, E. Meyrick det. in Meyrick Colln 3/4", BMNH.
Hudson 1898, p. 4, pl. iv fig. 5; 1928, pp. 43–44, pl. vi fig. 12.

huttoni Butler, 1879a, pp. 487–488 (*Phaos*)
Queenstown OL, F.W. Hutton; HT ♂ labelled as "Type" by Butler, BMNH.
Hudson 1898, p. 5, pl. iv fig. 6; 1928, p. 43, pl. vi fig. 1; as *Metacrias huttoni*, after Meyrick (1886e, p. 750).

strategica Hudson, 1889, p. 53 (*Arctia*)
Richardson Range SC, W.W. Smith; HT ♂ labelled "116a" ["Richardson Range W.W. Smith 9 Feb 1881, beaten from bed of native broom (Carm. flagelliformis), Sth Canterbury" – Hudson's Register], NMNZ.
Hudson 1898, p. 4, pl. iv fig. 4; 1928, p. 44, pl. vi fig. 9 and 10; as *Metacrias strategica*, after Meyrick (1890, p. 216).
Note. The Richardson Range ("near Albury" – Meyrick 1890, p. 216) may be part of the Hunters Hills. W.W. Smith would have been searching there for the laughing owl, *Sceloglaux albifacies*.

hudsoni Rothschild, 1914, p. 259, pl. 24g (*Metacrias*; as subspecies of *strategica*). **New synonymy.**
Invercargill SL, [?W.G. Howes]; 21 STs in BMNH.
Note. Gibbs (1962, p. 162) includes Invercargill specimens in his concept of *strategica*, and does not record any genital differences as coinciding with colour pattern differences between MC–SC and DN–SL populations.

• ***Nyctemera*** Hübner, [1820], p. 178. Type species *Phalaena lacticinia* Cramer, 1777, pp. 147 and 149, pl. 128 fig. E, by subsequent designation (Hampson 1894, p. 46); India.

Leptosoma Boisduval, 1832, p. 197. Type species *Leptosoma annulatum* Boisduval, by subsequent designation (Meyrick 1912b, p. 93). Junior homonym of *Leptosoma* Desmarest, 1823 (Crustacea). Synonymised by Walker (1854, p. 391).

amica White, 1841, p. 482 (*Agagles*)
Australia.
New Zealand: sporadic immigrant, interbreeding freely with local *annulata* populations, and giving rise to individuals showing the same range of variation in colour pattern as do R.J. Tillyard's laboratory F1 hybrid specimens in NZAC (Kay 1980, pp. 154–158).
Note. Meyrick (1886d, p. 15) discussed differences between *amica* and *annulata*.

annulata Boisduval, 1832, p. 197, pl. 5 fig. 9 (*Leptosoma*)
[New Zealand], Dumont d'Urville's collectors; HT ♂ unique, BMNH.
Hudson 1898, pp. 2–3, pl. iv fig. 1 and 2; 1928, p. 45, pl. vi fig. 3.
Note. Boisduval reported this species from New Guinea (Meyrick 1886e, p. 761), and Walker (1854, p. 392) confused *amica* with it.

doubledayi Walker (Wing MSS.), 1854, p. 392 (*Nyctemera*). Synonymised by Meyrick (1886e, p. 760).
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ labelled "Walker's type of Nyctemera Doubledayi", BMNH.
Hudson 1898, p. 2; 1928, p. 45; as synonym.

tripunctaria in the sense of Swinhoe (1916, p. 213; *Deilemera*), not of Linnaeus (1758, p. 523). Synonymised by Bryk (1937, p. 54).

antipodea Salmon, 1956, p. 64, fig. 5 and 6 (*Nyctemera*; as subspecies of *annulata*). Synonymised by Dugdale (1971b, p. 71).
Antipodes Island, E.G. Turbott; HT ♂ designated by Salmon, AMNZ.

• ***Tyria*** Hübner, [1819], p. 166. Type species *Phalaena Noctua jacobaeae* Linnaeus, by subsequent designation (Hampson 1901, p. 185).

jacobaeae Linnaeus, 1758, p. 511 (*Phalaena Noctua*)
Europe.
New Zealand: introduced by man for control of ragwort, *Senecio jacobaea*; after 40 years (1980+) populations are increasing in area, particularly in WN–WA.

• ***Utetheisa*** Hübner, [1819], p. 168. Type species *Phalaena ornatrix* Linnaeus, 1758, p. 511, by subsequent designation (Kirby 1892, p. 345); America.

lotrix lotrix Cramer, 1777, pp. 20 and 149, pl. 109 fig. E and F (*Phalaena*)
Northern Australia and the Pacific.
New Zealand: occasional immigrant; a fresh specimen collected by R.A. Cumber at Paihia ND may have fed locally as a larva, on adventive leguminous weeds (e.g., *Psoralea*) that are abundant there.

pulchelloides vaga Jordan, 1939, p. 284, fig. 228 and 252–254 (*Utetheisa*)
Semplak, Western Java; HT ♂ designated by Jordan, BMNH.
New Zealand: sporadic immigrant, occasionally establishing for a summer but not known to survive the winter; recorded from ND, AK, CL, TK, WN, NN, BR, DN.
Hudson 1898, pp. 3–4, pl. iv fig. 3; 1928, pp. 44–45, pl. vi fig. 3; as *Utetheisa pulchelloides*, after Meyrick (1912b, p. 92).
Note. Meyrick (1890, p. 217) records this as *Deiopeia pulchella* Linnaeus.

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Family CTENUCHIDAE
(as in Watson *et al.* 1980)

• ***Antichloris*** Hübner, 1818, pp. 9 and 24. Type species *Zygaena eriphia* Fabricius, 1777, p. 276, by subsequent designation (Kirby 1892, p. 158); Surinam.

viridis Druce, 1884, p. 68 (*Antichloris*)
Panama, Volcan de Chiriqui; HT ♂ unique, BMNH.
Indigenous to Central America (Mexico – Ecuador), on *Musa*.
New Zealand: cocoons and adults arrive in shipments of Ecuadorian bananas. The possibility of it establishing where ornamental *Musa* cultivars are grown cannot be ruled out.
Note. Field (1975, pp. 2–4 and 14–16) gave life history details and resurrected Druce's generic placement. Previously most authors had referred this species to *Ceramidia* Butler.

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Family LYMANTRIIDAE

• ***Teia*** Walker, 1855, pp. 703 (key) and 803–804. Type species *Teia anartoides* Walker, by original monotypy.

anartoides Walker, 1855, p. 804 (*Teia*)
South-eastern Australia.
New Zealand: live adults, eggs, and larvae were landed at Dunedin DN in 1983.

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Family NOCTUIDAE

Subfamily ACRONICTINAE
(as in Nye 1975)

• ***Athetis*** Hübner, [1821], p. 209. Type species *Noctua dasychira* Hübner, by subsequent designation (Hampson 1909, p. 299, cited as "*furvula* Hübner [1808]"); Europe.

Radinogoes Butler, 1886, pp. 393–394. Type species *Radinogoes tenuis* Butler, by subsequent designation (Hampson, 1909, p. 434); Queensland. Synonymised by Holloway (1977, p. 66).

tenuis Butler, 1886, p. 394 (*Radinogoes*)
"Throughout mainland Australia" (Holloway 1977, p. 67).
New Zealand: vagrant, sporadic, non-establishing; specimens in NZAC are from ND, AK, and TK. Each time I have collected in ND (in late November 1981 and late January 1985) I have taken *A. tenuis*.
Note. Fox (1975) gives records and an illustration.

• ***Bityla*** Walker, 1865b, p. 869. Type species *Bityla thoracica* Walker, 1865, by original monotypy.

defigurata Walker, 1865b, p. 756 (*Xylina*)
[Nelson NN], T.R. Oxley; HT ♀ unique, BMNH.
Hudson 1898, p. 29, pl. v fig. 33; 1928, p. 76, pl. x fig. 12.

thoracica Walker, 1865b, pp. 869–870 (*Bityla*). Synonymised by Meyrick (1887, p. 31).
Auckland AK, D. Bolton; LT ♂ with green-rimmed type label, BMNH.
Hudson 1898, p. 29; 1928, p. 76; as synonym.

sericea Butler, 1877, p. 387 (*Bityla*)
[?MC], J.D. Enys; HT ♀ unique, BMNH.
Hudson 1898, pp. 29–30, pl. v fig. 34; 1928, p. 76, pl. x fig. 11.

pallida Hudson, 1905a, p. 355 (*Orthosia*). **New synonymy.**
Napier HB, H.W. Simmonds; HT ♂ unique, NMNZ.
Hudson 1928, p. 76, pl. x fig. 10.

• ***Cosmodes*** Guenée, 1852b, p. 289. Type species *Phalaena elegans* Donovan, by original monotypy; New South Wales.

elegans Donovan, 1805, pl. 36 fig. 5, text overleaf (*Phalaena*)
New South Wales.
New Zealand: regular migrant, possibly summer-establishing.
Hudson 1898, p. 33, pl. vi fig. 2; 1928, p. 77, pl. x fig. 17.
Note. I swept 2 ♀♀ from amongst *Lobelia* growing between rushes at Mangawhai Heads ND/AK in Jan-

uary 1985. Walker (1858, p. 86) records 4 specimens from New Zealand.

• ***Platysenta*** Grote, 1874, p. 28. Type species *Platysenta atriciliata* Grote, 1874, by original monotypy; U.S.A.

illecta Walker, 1875, p. 684 (*Perigea*)
Northern Hindustan; India through South-east Asia to Australia and the Pacific to Rapa Island.
New Zealand: occasional immigrant.
Not mentioned by Hudson. Fox 1975, p. 372.

• ***Rictonis*** Nye, 1975, p. 433, objective replacement name for *Nitocris* Guenée

Nitocris Guenée, 1868, p. 4; preoccupied by *Nitocris* Rafinesque, 1815 (Hymenoptera). Type species *Mamestra comma* Walker, by subsequent designation (Hampson 1909, p. 383).

comma Walker, 1856c, p. 239 (*Mamestra*)
[?Auckland AK], J.F. Churton; HT ♀ unique, head missing, BMNH.
Hudson 1898, p. 7, pl. v fig. 27 and 28, as *Orthosia comma;* 1928, p. 76, pl. x fig. 19 and 20, as *Ariathisa comma,* after Meyrick (1912b, p. 103).

implexa Walker, 1857a, p. 405 (*Graphiphora*; as *Graphiphoga*). Synonymised by Meyrick (1887, p. 30).
[?Hawkes Bay HB or Taupo TO], W. Colenso; LT ♀ labelled as "Holotype ♀", "N. Zealand W. Colenso 53-19", "42. Graphiphora implexa", BMNH.
Hudson 1898, p. 7; 1928, p. 76; as synonym.

plusiata Walker, 1865b, p. 472 (*Hadena*). Synonymised by Meyrick (1887, p. 80).
[Nelson NN], T.R. Oxley; LT ♂ labelled as "Type", "Hadena plusiata", BMNH.
Hudson 1898, p. 7; 1928, p. 76; as synonym.

bicomma Guenée, 1868, pp. 4–5 (*Nitocris*), replacement name for *comma* Walker. Synonymised by Meyrick (1887, p. 30).
No type material or locality given.
Hudson 1898, p. 7; 1928, p. 76; as synonym.

• ***Spodoptera*** Guenée, 1852a, p. 153. Type species *Hadena mauritia* Boisduval, 1833, by subsequent designation (Hampson 1894, p. 248).

exempta Walker, 1857a, p. 355 (*Agrotis*)
Type locality unknown. Zimmerman (1958, p. 336) states "nearly cosmopolitan; widespread in Pacific".
New Zealand: 1 ♂, Nelson NN, 1970.
Not mentioned by Hudson.
Note. The specimen agrees with diagnostic characters given by Zimmerman (1958, pp. 333–334, fig. 274–276, 278, and 280).

litura Fabricius, 1775, p. 601 (*Phalaena Noctua*)
India; Afghanistan through South-east Asia to Australia and eastern Pacific.
New Zealand: immigrant from Australian populations, intermittently establishing.
Not mentioned by Hudson.
Note. New Zealand specimens agree better in adult and larval colour pattern with Australian and Indian specimens than with those from east of Fiji.

mauritia acronyctoides Guenée, 1852, pp. 154–155 (*Spodoptera*; as species)
Tahiti; "Red Sea to India, Burma, Ceylon, Malaya to Australia" (Zimmerman 1958, p. 345), and throughout the Pacific.
New Zealand: reported once, in Wellington WN, 1896. Not recorded by Fox (1978).
Hudson 1898, p. 6, pl. v fig. 31, as *Orthosia margarita*; 1928, p. 77, pl. x fig. 21, as *Spodoptera mauritia.*

margarita Hawthorne, 1897, p. 283 (*Orthosia*). Synonymised by Meyrick (1912b, p. 103).
Wellington WN, E.F. Hawthorne; LT ♂ here designated, labelled "522a" ["at light in sitting room, Perceval Terrace, April 11, 1896" – Hudson's Register], NMNZ.
Hudson 1898, p. 6, pl. v fig. 31.
Note. A PLT ♂ labelled "522b" was collected "amongst papers in office, 16 April 1896" (Hudson Register entry, NMNZ).

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Subfamily AGARISTINAE

• ***Phalaenodes*** Lewin, 1805, p. 2. Type species *Phalaenodes glycinae* Lewin, by original monotypy.

glycinae Lewin, 1805, p. 2, pl. 1 (*Phalaenodes*)
New South Wales.
New Zealand: introduced by man, established ND, AK, TO.
Hudson 1946, p. 72, pl. iv fig. 3.

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Subfamily CATOCALINAE
(as in Kitching 1984;
includes Ophiderinae of authors)

• ***Achaea*** Hübner, [1823], p. 269. Type species *Phalaena melicerta* Drury, by subsequent designation (Moore 1885, p. 163); India (Bombay).

janata Linnaeus, 1758, p. 527 (*Phalaena Geometra*)
India; India to Australia and eastern Pacific.
New Zealand: sporadically regular immigrant, usually in late summer or autumn; larvae not persisting over winter.
Hudson 1928, p. 78, pl. x fig. 8, as *Ophiusa melicerte.*

Note. Buller (1905, p. 333) gives details of occurrence in 1903 (as *Achaea melicerte*); Philpott (1926a, p. 388) gives a synopsis of records (as *Ophiusa melicerte*).

melicerta Drury, 1773, p. 46, pl. 23 fig. 1 (*Phalaena*; as *melicerte*). Synonymised in Nye (1975, p. 18).
Hudson 1928, p. 78, as species.

traversii Fereday, 1877a, pp. 457–458 (*Catocala*). Synonymised by Hudson (1928, p. 78).
Wellington WN, W.L. Travers; HT ♂ unique, CMNZ.
Hudson 1928, p. 78, as synonym.

• ***Anomis*** Hübner, [1821], p. 249. Type species *Anomis exacta* Hübner, 1882, by original monotypy; Mexico – Peru.

flava Fabricius, 1775, p. 601 (*Phalaena Noctua*)
East Indies, Koenig; HT ?lost.
New Zealand: occasional non-establishing immigrant (Fox 1978).
Hudson 1928, p. 83, pl. ix fig. 28.

involuta Walker, 1858b, p. 1003 (*Gonitis*)
Sri Lanka; HT in BMNH.
New Zealand: occasional non-establishing immigrant (Fox 1978).
Hudson 1928, p. 82, pl. x fig. 27, as *Anomis sabulifera* (not of Guenée, 1852, p. 404, "Abyssinia"), after Philpott (1927a, p. 704).

• ***Arcte*** of authors, but not Kollar (1844, p. 477)

coerula Guenée, 1852c, pp. 41–42, pl. xiii fig. 10 (*Cocytodes*)
East Indies; Ceylon and India through to Samoa.
New Zealand: 1 record from Auckland AK; specimen in AMNZ.
Not mentioned by Hudson.
Note. This is the type species of genus *Cocytodes*.

• ***Artigisa*** Walker, 1863, p. 160. Type species *Artigisa nigrosignata* Walker, by original monotypy; Borneo.

melanephele Hampson, 1914, p. 206 (*Artigisa*)
Australia, Tasmania, R.M. Green; ST series in BMNH.
Hudson 1928, p. 78, pl. x fig. 18, as *Catada lignicolaria* in the sense of Philpott (1927d, p. 81) but not of Walker (1866, p. 1579), with *C. impropria* in the sense of Meyrick (1917a, p. 246) listed as a synonym.
Note. The ST series of *A. melanephele* agrees in wing pattern exactly with New Zealand specimens in NMNZ and NZAC. From *A. melanephele*, HT *Hemerophila lignicolaria* Walker (also from Tasmania) differs in having pectinate antennae, and HT *Thermesia impropria* Walker, 1865c, p. 1064, has the hindwing differently patterned ventrally, and the ♂ valva (Philpott 1927d, p. 81, fig. 2) different. *A. melanephele* is established in the Auckland area; larvae feed on dead leaves and rotting tree stumps.

• ***Dasypodia*** Guenée, 1852c, p. 174. Type species *Dasypodia selenophora*, by subsequent designation (Meyrick 1912b, p. 105).

cymatodes Guenée, 1852c, p. 175 (*Dasypodia*)
Tasmania; HT ♂ in BMNH.
New Zealand: immigrant, now established on (adventive) *Acacia* and *Albizzia*, commoner in northern localities.
Hudson 1928, p. 81; 1939, p. 401, pl. xii fig. 11.
Note. Philpott (1928a, p. 359) gives early records, all from northern localities.

selenophora Guenée, 1852c, p. 175 (*Dasypodia*)
Tasmania; HT ♀ in MNHN.
New Zealand: immigrant, now established on (adventive) *Acacia* and *Albizzia*, commoner in southern localities.
Hudson 1898, p. 35, pl. vi fig. 4; 1928, p. 80, pl. x fig. 13.

• ***Elygea*** Billberg, 1820, p. 85. Type species *Phalaena materna* Linnaeus, by subsequent designation (Berio 1966, as reported by Nye 1975, p. 175); India.

materna Linnaeus, 1767, p. 840 (*Phalaena Noctua*)
India; type material in Linnaean Society Collection, London.
New Zealand: fairly regular immigrant, non-establishing. Philpott (1926a, p. 388) gives early records.
Hudson 1928, p. 80, as *Ophideres materna*.

• ***Grammodes*** Guenée, 1852c, p. 275. Type species *Noctua geometrica* Fabricius, 1775, p. 599, by original designation; eastern India.

pulcherrima Lucas, 1892, pp. 258–259 (*Grammodes*)
Brisbane; north-eastern Australia.
New Zealand: 1 record, Titahi Bay WN; specimen in NMNZ.
Hudson 1928, p. 79, pl. xliv fig. 30, as *Ophiusa pulcherrima*; Hudson 1905a, p. 356, in *Grammodes*.

• ***Hypocala*** Guenée, 1852c, p. 73. Type species *Hyblaea deflorata* Fabricius, by subsequent designation (Hampson 1894, p. 452); India.

deflorata australiae Butler, 1892, p. 21 (*Hypocala*)
Australia; HT (?gender) in BMNH.
New Zealand: sporadic immigrant, non-establishing (Fox 1978).

• ***Mocis*** Hübner, [1823], p. 267. Type species *Phalaena virbia* Cramer, 1780, by subsequent designation (Hampson 1913a, p. 76, as "*undata* Fabr."; see Nye 1975, p. 319).

alterna Walker, 1858c, pp. 1833–1834 (*Euclidia*)
Northern Australia.
New Zealand: 1 record, Nelson NN.
Hudson 1928, p. 79, pl. x fig. 26, following Philpott (1927a, p. 704).

• ***Othreis*** Hübner, [1823], p. 264. Type species *Phalaena pomona* Cramer, 1775 (junior subjective synonym of *Phalaena fullonia* Clerck, 1764), by subsequent designation (Moore 1885, p. 131, as *fullonica* Linnaeus); India.

fullonia Clerck, 1764, pl. 48 (*Phalaena*)
India – South-east Asia – Pacific.
New Zealand: occasional non-establishing immigrant; throughout. First reported by Fereday (1883a), as "*Ophideres archon* of Felder".
Hudson 1928, p. 80, as *Ophideres fullonica*.

• ***Speiredonia*** Hübner, [1823], p. 272. Type species *Phalaena feducia* Stoll in Cramer, 1790, p. 160, pl. 36 fig. 3, by subsequent designation (Desmarest 1857, p. 130; as *Spiredonia*).

Sericia Guenée, 1852c, p. 172. Type species *Sericia spectans* Guenée, by subsequent designation (Desmarest 1857, p. 130), as in Holloway (1977, p. 88).

spectans Guenée, 1852c, p. 173 (*Sericia*)
Australia, Tasmania; LT ♂ designated by Viette (1951, p. 162), MNHN.
New Zealand: recorded twice, in WI and NN.
Hudson 1928, p. 81, pl. li fig. 12; 1939, p. 401; as *Sericea spectans*.

• ***Tathorhynchus*** Hampson, 1894, p. 268. Type species *Scopula vinctalis* Walker (junior subjective synonym of *Spintherops exsiccata* Lederer), by original designation.

exsiccata fallax Swinhoe, 1902, p. 423 (*Tathorhynchus*; as species)
Western Australia.
New Zealand: very occasional immigrant (Fox 1978).

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Subfamily CHLOEOPHORINAE
(as in Nye 1975)

• ***Pseudoips*** Hübner, 1822, p. 63. Type species *Pyralis fagana* Fabricius, 1781, p. 276, as *Pseudoips prasinana* Linnaeus in the sense of Hübner, 1822, by subsequent designation (Fletcher, 1966, p. 16, but cited as *prasinana*; see Nye 1975, p. 414).

fagana Fabricius, 1781, p. 276 (*Pyralis*)
Europe.
New Zealand: 1 record in 1932, Orua River WI, in NZAC.
Not mentioned by Hudson.
Note. This species – clearly man-adventive – has not been seen since 1932 despite the widespread plantings of *Quercus*, the larval host genus.

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Subfamily CUCULLIINAE
(as in Nye 1975)

• ***Andesia*** Hampson, 1906, pp. 6 (key) and 142. Type species *Andesia oenistis* Hampson, 1906, p. 142, by original designation; Argentina.

pessota Meyrick, 1887, p. 29 (*Miselia*)
[Riccarton Bush], Christchurch MC, R.W. Fereday; LT ♀ here designated, labelled "Dec. 1873 Riccarton Bush", CMNZ.
Hudson 1898, p. 6, pl. v fig. 26, as *Miselia pessota*; 1928, p. 49, pl. vi fig. 17, as *Andesia pessota*, after Meyrick (1914a, p. 102).
Note. There are no relevant specimens (currently under the genus *Sympistis* Hübner) in BMNH. At CMNZ, of the 2 relevant specimens only the ♀ is labelled as from a Christchurch locality and as caught in December; the ♂ is labelled "Feb'y/73 Dunedin". While I could have inferred that Meyrick's citing of both sex and locality was mistaken, I saw no need, as the ♀ would have been seen by him, in Fereday's collection, in 1880.

• ***Austramathes*** Hampson, 1906, pp. xiv (key) and 492. Type species *Graphiphora purpurea* Butler, by original designation.

purpurea Butler, 1879a, p. 490 (*Graphiphora*)
Dunedin DN, F.W. Hutton; HT ♂ unique, BMNH.
Hudson 1898, p. 8, pl. v fig. 32, as *Xanthia purpurea*, after Meyrick (1887, p. 81); 1928, p. 49, pl. vii fig. 3, as *Austramathes purpurea*, after Meyrick (1912b, p. 95).

ceramodes Meyrick, 1887, p. 31 (*Xanthia*). Synonymised by Meyrick (1888a, p. 46).
"North Island", J.D. Enys; LT ♂ here designated, labelled "1873-15 from Enys., North Island", "Fereday Collection", "31", CMNZ.
Hudson 1898, p. 8; 1928, p. 49; as synonym.

• ***Homohadena*** Grote, 1873b, p. 180. Type species *Hadena badistriga* Grote, 1872, by monotypy; U.S.A. (New York).

fortis Butler, 1880, pp. 549–550 (*Toxocampa*)
Blenheim MB, W. Skellon; HT ♂ unique, BMNH.
Hudson 1928, pp. 49–50, pl. vi fig. 11.

iota Hudson, 1903, p. 243 (*Miselia*). Synonymised by Meyrick (1912b, p. 95).
Karori WN, G.V. Hudson; HT ♂ unique, NMNZ.
Hudson 1928, p. 49, as synonym.

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Subfamily HADENINAE
(as in Nye 1975)

• ***Aletia*** in the sense of Meyrick (1912b, p. 97), not strictly of Hübner ([1821], p. 239). Type species *Noctua vitellina* Hübner, 1808, pl. 81 fig. 379, by subsequent designation (Moore 1881, p. 333); Europe.

argentaria Howes, 1945, p. 66, pl. 7 fig. 2 (*Aletia*)
The Wilderness SL, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Hudson 1950, p. 77, pl. vii fig. 15 (a rather inaccurate representation).

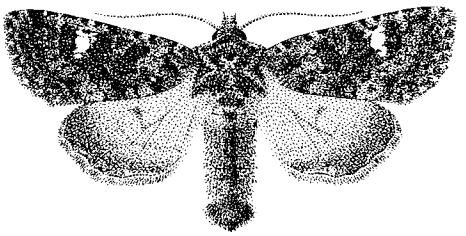
cucullina Guenée, 1868, p. 40 (*Xylocampa*)
[Rakaia MC], H.G. Knaggs; HT ♂ unique, BMNH.
Hudson 1898, pp. 27–28, pl. v fig. 23, as *Melanchra cucullina*; 1928, p. 58, pl. vii fig. 19, as *Aletia cucullina*, after Meyrick (1912b, p. 98).

parmata Philpott, 1926a, p. 387 (*Aletia*). **New synonymy.**
Mount Grey NC, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 58, pl. x fig. 25, as species.
Note. Antennal and colour pattern characters agree with those of HT *cucullina*.

funerea Philpott, 1927a, pp. 703–704 (*Aletia*). Synonymised by Hudson (1928, p. 58).
Mount Arthur Tableland NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 58, as synonym.

cuneata Philpott, 1916, p. 420 (*Aletia*)
Ben Lomond OL, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, pp. 56–57, pl. ix fig. 19.

cyanopetra Meyrick, 1927b, p. 313 (*Melanchra*) **new combination**
Waiho Gorge WD, A. Castle; LT ♂ here designated, labelled "Melanchra cyanopetra Meyr. Type ♂ Waiho Gorge 18.2.27 A. Castle", NMNZ.



Noctuidae: Hadeninae
(180) *Meterana meyricci* Hampson

Hudson 1939, p. 400, pl. lv fig. 29.
Note. The LT and the 3 other Waiho Gorge specimens in NMNZ and NZAC lack the abdominal crests, a characteristic of *Aletia* in Meyrick's sense.

dentata Philpott, 1923, p. 148 (*Aletia*)
Tongariro TO, 5,000 ft, J.G. Myers; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 56, as synonym of *Aletia cuneata*.

empyrea Hudson, 1918, p. 61 (*Aletia*)
Routeburn Valley OL, C.E. Clarke; LT ♀ here designated, marked with a red disc, labelled "Routeburn 25.12.14", "Aletia empyrea Huds. Type ♂" (in Clarke's handwriting), "C.E. Clarke Collection", AMNZ.
Hudson 1928, p. 59, pl. x fig. 14 and 15.
Note. Another specimen (also ♀) is labelled "Aletia empyrea Huds. Type ♀". The other 3 specimens are also ♀♀.

falsidica falsidica Meyrick, 1911b, p. 70 (*Hyssia*; as species)
Mount Arthur Tableland NN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 56, pl. vii fig. 17, as *Aletia falsidica*, after Meyrick (1912b, p. 98).

falsidica hamiltoni Hampson, 1913b, p. 594 (*Hyssia*; as species)
Tararua Range WN, A. Hamilton; HT ♂ designated by Hampson, BMNH.
Hudson 1928, p. 56, as synonym.
Note. Hudson (1928, p. 56) points out that the true type locality is the Tararua Range, not Wellington as the HT specimen label has it. Hampson's subspecies is here regarded as representing the North Island populations of *Aletia falsidica*.

fibriata Meyrick, 1913a, p. 22 (*Aletia*; as *fibrata*, a misprint – Meyrick 1914a, p. 101).
Mount Richmond MB, F.G. Gibbs; LT ♂ here designated, labelled "Aletia fibriata Meyr. 5/1 E. Meyrick det. in Meyrick Coll.", "Mt Richmond New Zealand F.G.G. 4500′ 12.05", "Lectotype" (yellow-rimmed circular label), BMNH.

Hudson 1928, p. 55, pl. vii fig. 25, as *Aletia fibrata*.

inconstans Butler, 1880, p. 545 (*Spaelotis*)
Blenheim MB, W. Skellon; HT ♂ with antennae missing, genitalia on "Agrotidae genitalia slide 347", BMNH.
Hudson 1898, p. 9, as synonym of *Leucania griseipennis*; 1928, p. 57, pl. viii fig. 29, as *Aletia inconstans*.

lacustris Meyrick, 1934, p. 151 (*Aletia*)
Lake Rotoroa BR, Lawford White; LT ♂ here designated, labelled "Lake Rotoroa 14/2/31", "Aletia lacustris ver. by E. Meyrick" S. Lindsay's handwriting), CMNZ.
Hudson 1939, p. 394, pl. lv fig. 27.
Note. Meyrick was sent 4 specimens by Lindsay; he retained one and sent the others back. Lindsay placed a HT label on the ♂ here regarded as a LT. The rest of the series remained at CMNZ. The specimen Meyrick retained superficially resembles a dark *A. sistens*, and is not conspecific with the rest of the series, which represents a dark, grey-green "*Aletia*" not uncommon in collections from the South Island.

longstaffi Howes, 1911, p. 128 (*Morrisonia*)
Ben Lomond OL, W.G. Howes and G.B. Longstaff; LT ♂ here designated, labelled "Ben Lomond 10.iii.1910", BMNH.
Hudson 1928, p. 58, pl. ix fig. 25.

mitis Butler, 1877, pp. 383–384 (*Agrotis*)
[Castle Hill MC], J.D. Enys; HT ♂ unique, BMNH.
Hudson 1898, p. 27, as synonym of *Melanchra cucullina*; 1928, p. 55, as synonym of *Aletia moderata*; 1939, p. 394, as species, after Philpott (1928a, p. 359).

munda Philpott, 1917b, p. 239 (*Aletia*). **New synonymy.**
Waiouru RI/TO, H.W. Simmonds; HT ♂ designated by Philpott as "Type ♂", NMNZ.
Hudson 1928, pp. 57–58, pl. xliv fig. 17, as species.
Note. No differences are apparent in antennal structure, thoracic vestiture, or wing pattern between topotypic *mitis* and *munda*, hence the proposed synonymy.

gourlayi Philpott, 1921, p. 337 (*Aletia*). Synonymised by Philpott (1928g, p. 483).
Arthur's Pass NC/WD, E.S. Gourlay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 57, pl. xlix fig. 31, as species; 1939, p. 394, as synonym.

moderata Walker, 1865a, pp. 705–706 (*Agrotis*)
[Nelson NN], T.R. Oxley; LT ♀ here designated, labelled "N. Zealand Auckland Oxley 60-73", "Agrotis? moderata", "Lectotype ♀ J.S.D. 1980", "Agrotidae genitalia slide 352", BMNH.
Hudson 1898, p. 9 as *Leucania moderata*, p. 9 and pl. iv fig. 8 as *Leucania griseipennis*; 1928, p. 55, pl. vii fig. 15, as *Aletia moderata*.

griseipennis Felder & Rogenhofer, 1875, pl. cix fig. 22 (*Mamestra*)
[Nelson NN, T.R. Oxley]; LT ♀ here designated, labelled "griseipennis n.", "cix f. 22 Mamestra griseipennis n. New Zealand", "606", circular red type label, antennae missing, abdomen broken, BMNH.
Hudson 1898, p. 9, pl. iv fig. 8, as *Leucania griseipennis*; 1928, p. 55, as synonym of *Aletia moderata*.
Note. The synonymy is revised from that given by Meyrick (1912b, p. 97) because of Meyrick's confusion between *virescens* Butler (below) and *griseipennis* F. & R. Meyrick's action submerged Butler's *virescens* in what he (Meyrick) thought Felder & Rogenhofer's *griseipennis* to be. A comparision of the LTs involved in the present synonymy – both collected by Oxley around Nelson – showed their obvious conspecificity. With its conspicuously banded hindwings, *A. moderata* is quite distinct from all other New Zealand '*Aletia*' species. The reader's attention is drawn also to comments by Meyrick (1888a, p. 45).

nobilia Howes, 1946, pp. 144–145 (*Aletia*)
Homer FD, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Hudson 1950, p. 78, pl. viii fig. 4.

obsecrata Meyrick, 1914a, p. 101 (*Aletia*)
Ben Lomond OL, A. Philpott; HT ♀ unique, antennae missing, thorax compressed, BMNH.
Hudson 1928, p. 58, pl. ix fig. 17 and 18.

panda Philpott, 1920, p. 42 (*Aletia*)
Mount Earnslaw OL, G.V. Hudson; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 57, pl. ix fig. 9.

probenota Howes, 1945, p. 65, pl. 7 fig. 1 (*Aletia*)
Homer FD, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Hudson 1950, pp. 77–78, pl. vii fig. 8.

sistens Guenée, 1868, p. 39 (*Eumichtis*)
[Rakaia MC], H.G. Knaggs; HT ♂ unique, BMNH.
Hudson 1898, p. 9, not figured, as synonym of *Leucania moderata*, after Meyrick (1887, p. 19); 1928, p. 55, as synonym of *Aletia moderata*, and p. 56, pl. vii fig. 18, as *Aletia temenaula*.

temenaula Meyrick, 1907c, p. 106 (*Leucania*). **New synonymy.**
Dunedin DN, G.V. Hudson; LT ♂ by unknown designator, labelled "Leucania temenaula Meyr. 5/2 E. Meyrick det. in Meyrick Coll.", "Dunedin New Zealand GVH '05", yellow LT label, BMNH.
Hudson 1928, p. 56, pl. vii fig. 18, as species.

pachyscia Meyrick, 1907c, pp. 106–107 (*Leucania*). **New synonymy.**
Lake Wakatipu OL, G.V. Hudson; LT ♀ designated by I.W.B. Nye, labelled "Leucania pachyscia Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", "L. Wakatipu New Zealand GVH /03", yellow LT label, BMNH.
Hudson 1928, p. 56, not figured, as species.
Note. No consistent differences in colour pattern, antennae, or ♂ external genitalia were found. Examples resem-

bling all 3 type specimens were collected on one night at Cromwell CO, hence the proposed synonymy. Revisers' attention is drawn to comments by Meyrick (1888a, p. 45).

sollenis Meyrick, 1914a, pp. 101–102 (*Aletia*)
Waipori DN, A. Philpott; LT ♂ by unknown designator, labelled "Aletia sollenis 1/1 E. Meyrick det. in Meyrick Coll.", "Waipori New Zealand AP 28.4.89 [?28.11.09]", yellow LT label, antennae and legs missing, BMNH.
Hudson 1928, pp. 58–59, pl. x fig. 1.
Note. One ♂ labelled "Waipori 28.11.09" is in NZAC.

hollandiae not of Guenée, 1852, but in the sense of Meyrick (1911b, p. 69 and 1912b, p. 102) (*Dasygaster*); misidentification by Meyrick (1914a, p. 102)

temperata Walker, 1858c, pp. 1648–1649 (*Bryophila*)
[?Auckland AK], J.F. Churton; HT ♀ unique, Agrotidae genitalia slide no. 340, BMNH.
Hudson 1898, p. 9, as *Leucania temperata*; 1928, p. 75, pl. x fig. 28, as *Melanchra temperata*.

inceptura Walker, 1858c, pp. 1736–1737 (*Xylina*). Synonymised by Meyrick (1887, p. 27), and later validated (1888a, p. 45).
[?Auckland AK], J.F. Churton; HT ♂ unique, BMNH.
Hudson 1898, p. 9; 1928, p. 75; as synonym.

deceptura Walker, 1858c, p. 1737 (*Xylina*). Synonymised by Meyrick (1887, p. 27), and later validated (1888a, p. 45).
[?Auckland AK], J.F. Churton; HT ♀ unique, BMNH.
Hudson 1898, p. 9; 1928, p. 75; as synonym.

accurata Philpott, 1917b, p. 239 (*Aletia*). **New synonymy.**
Titahi Bay WN, M.O. Pasco; HT ♂ unique, lost, formerly in Pasco Collection, SMNZ.
Hudson 1928, p. 57, pl. xliv fig. 16, as species.
Note. Philpott's description notes that the veins are marked with white interrupted by black dots. This feature, the habitus, and the coastal type locality are characteristic of *A. temperata*, hence the proposed synonymy.

eucrossa Meyrick, 1927b, p. 313 (*Aletia*). **New synonymy.**
Waiuku AK, per J.C. Andersen; HT ♀ unique, bearing Hudson label "1101a" and "Waiuku N.Z. summer 1925–26 P. Shepherd", NMNZ.
Hudson 1938, p. 394, pl. lv fig. 28, as species.
Note. The illustration of the unique specimen matches HT *temperata* and HT *deceptura* in colour pattern and habitus, hence the proposed synonymy.

virescens Butler, 1879a, p. 478 (*Chera*)
[?OL] "Otago", F.W. Hutton; HT ♀ unique, BMNH.
Hudson 1898, p. 9, as synonym of *Leucania griseipennis* (error); 1928, pp. 55–56, pl. vii fig. 16, as *Aletia griseipennis* in the sense of Meyrick (1912b, p. 34), not of Felder & Rogenhofer (1875).

Also 1 undescribed species (NZAC).

• ***Dipaustica*** Meyrick, 1912b, p. 98. Type species *Leucania epiastra* Meyrick, by original monotypy.

epiastra Meyrick, 1911b, p. 58 (*Leucania*)
Makara WN, reared by R.M. Sunley; LT ♂ here designated, labelled "Leucania epiastra Meyr. 8/3 E. Meyrick det. in Meyrick Coll.", "Makara New Zealand RMS bred .09", ST label, BMNH.
Hudson 1928, pp. 59–60, pl. x fig. 4.

Also 2 undescribed species (NZAC, and K.J. Fox Collection).

• ***Feredayia*** Kirkaldy, 1910, p. 8, objective replacement name for *Erana* Walker

Erana Walker, 1857b, pp. 495 and 605, preoccupied by *Erana* Gray, 1840 (Aves). Type species *Erana graminosa* Walker, by original monotypy.

graminosa Walker, 1857b, p. 605 (*Erana*)
[?Auckland AK], J.F. Churton; HT ♂ unique, BMNH.
Hudson 1898, p. 28, pl. v fig. 24 and 25; 1928, pp. 62–63, pl. vii fig. 30 and 31.

vigens Walker, 1865b, pp. 743–744 (*Erana*). Synonymised by Meyrick (1887, p. 28).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 28; 1928, p. 62; as synonym.

sphagnea Felder & Rogenhofer, 1875, pl. cix fig. 17 (*Mamestra*). **New synonymy.**
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1898, p. 17; 1928, p. 65, as synonym of *Melanchra plena*.
Note. There is no doubt as to the synonymy of *sphagnea* F. & R. with Walker's *graminosa*.

• ***Graphania*** Hampson, 1905, pp. xiv (key) and 468 (description). Type species *Heliophobus disjungens* Walker, by original designation.

Alysina Cockerell, 1913, p. 15, objective replacement name for *Alysia* Guenée. Synonymised by Dugdale (1971b, p. 118).

Alysia Guenée, 1868, p. 3, preoccupied by *Alysia* Latreille, 1804 (Hymenoptera). Type species *Alysia specifica* Guenée, 1868, by original monotypy. *A. specifica* is a junior subjective synonym of *Agrotis nullifera* Walker (p. 204).

Maoria Warren, 1912, p. 76, preoccupied by *Maoria* Laporte, 1868 (Coleoptera); see Cockerell, 1913, p. 15. Type species *Erana plena* Walker, by original designation. Synonymised by Dugdale (1971b, p. 118).
Note. Nye (1975, p. 223) states that as *plena* and *disjungens* are congeneric, *Graphania* is available as a subjective replacement name.

agorastis Meyrick, 1887, p. 18 (*Mamestra*)
Lake Guyon MB/BR, R.W. Fereday; LT ♂ by unknown designator, labelled "Mamestra agorastis Meyr. 5/1 E. Meyrick det. in Meyrick Coll.", "Lectotype ♂", "L. Guyon New Zealand R.W.F. 3/71", yellow LT label, legs missing, BMNH.
Hudson 1898, p. 18, pl. v fig. 30; 1928, p. 73, pl. viii fig. 31, as *Melanchra agorastis.*

averilla Hudson, 1921, p. 255 (*Melanchra*)
Mount Egmont TK, 3,000 ft, Averil Lysaght; ST series (2 ♀♀) not located in NMNZ.
Hudson 1928, p. 68, pl. xlix fig. 18.

furtiva Philpott, 1924c, pp. 663–664, fig. 1B (*Melanchra*). **New synonymy.**
Mount Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 66, pl. viii fig. 14, in text under *Melanchra mutans*; 1939, p. 396, pl. lv fig. 4, as species.
Note. In both nominal species ♀♀ tend to be silvery, and no clear difference in ♂ valval or antennal structures were seen, hence the proposed synonymy. Both are montane, and abundantly distinct from sympatric *mutans.* Meyrick (1929, p. 484) distinguished *furtiva* from *mutans.*

beata Howes, 1906, pp. 510–511 (*Melanchra*)
Otatara SL, W.G. Howes; HT ♀ unique, not located.
Hudson 1928, p. 67, pl. x fig. 2, as *Melanchra beata*; the ♂ figured is in NZAC, collected by Philpott at Kapuka SL.
Note. Large series reared on several occasions by Mr B. Patrick consistently differed in colour pattern elements from other species.

bromias Meyrick, 1902c, p. 273 (*Melanchra*)
Chatham Islands, J. Fougere; LT ♂ by unknown designator, labelled "Melanchra bromias Meyr. 4/3 E. Meyrick det. in Meyrick Coll.", "bromias Meyr." (in Meyrick's handwriting), "Chatham Is. F. /00", yellow LT label, BMNH.
Hudson 1928, p. 67, pl. viii fig. 15, as *Melanchra bromias.*

brunneosa Fox, 1970, pp. 22–24, fig. 1–5 (*Melanchra*)
Mount Egmont TK, K.J. Fox; HT ♂ designated by Fox, NMNZ.

chlorodonta Hampson, 1911, pp. 423–424 (*Morrisonia*)
Ngaruawahia WO, G.B. Longstaff; HT ♀ designated by Hampson, abdomen missing, BMNH.
Hudson 1928, p. 66, pl. ix fig. 10, as *Melanchra chlorodonta.*
Note. Discovered at Ngaruawahia, north of Hamilton, not – as Hudson states (1928, p. 66) – at Cape Egmont lighthouse TK.

chryserythra Hampson, 1905, p. 452 (*Morrisonia*)
[?Orepuki or other locality in SL], Dunlop; HT ♂ designated by Hampson, BMNH.
Hudson 1928, pp. 75–76, pl. ix fig. 6 and 7, as *Melanchra chryserythra.*

disjungens Walker, 1858c, p. 1681 (*Heliophobus*)
[Waikouaiti DN], P. Earl; HT ♂ unique, wings sooty along termen, BMNH.
Hudson 1898, p. 15, pl. v fig. 43, as *Melanchra disjungens*; 1928, p. 60, pl. vii fig. 23, as *Persectania disjungens*, after Meyrick (1912b, p. 98).
Note. Earl's specimen looks as though it had been damaged by heat from a paraffin lamp.

nervata Guenée, 1868, p. 40 (*Hadena*). Synonymised by Meyrick (1887, p. 15).
Rakaia MC, R.W. Fereday; LT ♂ here designated, labelled "H. nervata Gn ... [description on folded paper]", "Ex Musaeo Ach. Guenée", "Lectotype JSD 1980", BMNH.
Hudson 1898, p. 15; 1928, p. 60; as synonym.

erebia Hudson, 1909, p. 68 (*Melanchra*)
Erebus Cove, Port Ross, Auckland Island, R. Browne; HT ♀ unique, NMNZ.
Hudson 1928, p. 67, pl. x fig. 3, as *Melanchra erebia.* Dugdale 1971, pp. 124–126, fig. 104–112, as subspecies of *Graphania mutans.*

oceanica Salmon, 1956, pp. 78–79 (*Melanchra*). Synonymised by Dugdale (1971b, p. 124).
Ocean Island, Auckland Islands, ?J.H. Sorensen; HT ♂ designated by Salmon, NMNZ.

fenwicki Philpott, 1921, p. 337 (*Melanchra*)
Dunedin DN, C.C. Fenwick; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 73, pl. xlix fig. 17.

dives Philpott, 1930b, p. 1 (*Melanchra*). **New synonymy.**
Flagstaff Hill DN, C.E. Clarke; HT ♂ designated by Philpott, AMNZ.
Hudson 1939, p. 395, pl. lv fig. 5 and 6, as species.
Note. Large series taken by Mr B. Patrick around Dunedin included many specimens intermediate in colour pattern between the two nominal species. No differences were seen in colour pattern or antennal structure, hence the proposed synonymy.

homoscia Meyrick, 1887, pp. 21–22 (*Mamestra*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1898, p. 21, pl. v fig. 7; 1928, pp. 74–75, pl. ix fig. 23; as *Melanchra homoscia.*

sminthistis Hampson, 1905, p. 280, pl. 86 fig. 17 (*Hyssia*). Synonymised by Meyrick (1912b, p. 102).
"New Zealand", G.F. Mathew; HT ♂ designated by Hampson, BM genitalia slide no. 353, BMNH.
Hudson 1928, p. 74, as synonym.

infensa Walker, 1857b, p. 748 (*Orthosia*)
[Waikouaiti DN], P. Earl; HT ♀ unique, BMNH.
Hudson 1898, p. 23, pl. v fig. 12; 1928, p. 70, pl. viii fig. 19; as *Melanchra infensa.*

arachnias Meyrick, 1887, p. 23 (*Mamestra*). Synonymised by Meyrick (1888a, p. 45).
Blenheim MB, W. Skellon; HT ♀ unique, CMNZ.
Hudson 1898, p. 23; 1928, p. 70; as synonym.

insignis Walker, 1865b, p. 724 (*Euplexia*)
[Nelson NN], T.R. Oxley; LT ♀ here designated, labelled "Euplexia insignis Walker", "New Zealand Auckland Oxley 60-73", green circular type label, BMNH.
Hudson 1898, p. 16, pl. iv fig. 29 and 30; 1928, p. 65, pl. viii fig. 10–12 (pl. viii fig. 11 is a good match for LT ♀); as *Melanchra insignis.*

turbida Walker, 1865b, pp. 754–755 (*Xylina*). Synonymised by Meyrick (1888a, p. 45).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 16; 1928, p. 65, pl. viii fig. 10 (a fair match for HT ♂); as synonym.

angusta Felder & Rogenhofer, 1875, pl. cix fig. 18 (*Mamestra*). **New synonymy.**
[Nelson NN, T.R. Oxley]; HT ♀ unique, abdomen missing, BMNH.
Hudson 1898, p. 18; 1928, p. 66; as synonym of *Melanchra mutans*, after Meyrick (1887, p. 17).

skelloni Butler, 1880, pp. 547–548 (*Hadena*). Synonymised by Meyrick (1912b, p. 100).
Blenheim MB, W. Skellon; HT ♂ unique, antennae missing, BMNH.
Hudson 1928, p. 65, as synonym.

polychroa Meyrick, 1887, pp. 16–17 (*Mamestra*). Synonymised by Meyrick (1888a, p. 45).
Christchurch MC, R.W. Fereday; LT ♂ designated by D.S. Fletcher, labelled "Melanchra insignis Walker 10/5 E. Meyrick det. in Meyrick Coll.", "Mamestra polychroa Meyr. det. D.S. Fletcher in Meyrick Coll.", "Christchurch New Zealand RWF /85", BMNH.
Hudson 1898, p. 16; 1928, p. 65; as synonym.

xanthogramma Meyrick, 1912c, p. 117 (*Melanchra*). **New synonymy.**
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 65, not figured; 1939, p. 65; as species.
Note. NZAC has many specimens with colour patterns intermediate between those of HT *insignis* and HT *xanthogramma.* These HTs have the same wing shape, and there are no obvious differences in genitalia, hence the proposed synonymy. What is usually called *xanthogramma* in collections is a broader-winged, previously unrecognised species in the *insignis* group.

lignana Walker, 1857b, p. 758 (*Hadena*)
[Waikouaiti DN], P. Earl; HT ♂ unique, BMNH.
Hudson 1898, p. 26, pl. v fig. 19; 1928, p. 71, pl. viii fig. 21; as *Melanchra lignana.*

lindsayi Dugdale (*Graphania*) **new species.** Replacement name for *Melanchra olivea* not of Watt (1916, p. 413), but in the sense of Hudson (1928, p. 67 (part), pl. xliv fig. 32♀; 1939, p. 396).
Dunedin DN, W.G. Howes; HT ♀ labelled "954g" (Hudson's label), "Dunedin", NZAC.
Hudson 1928, p. 65, pl. xliv fig. 32; 1939, p. 396.
Note. This commonly collected species is sympatric with *olivea* Watt, but differs from it as detailed by Lindsay in Hudson (1939, p. 396). Lindsay's concept of Philpott's *lata* is an excellent description of Watt's *olivea.* As the species with jagged subterminal line and oblique, curved reniform has been adequately characterised and illustrated, but is separated as either *olivea* or *lata* in collections, it needs a name. I propose to name it after Mr Stuart Lindsay, who first appreciated its distinctiveness.

lithias Meyrick, 1887, p. 17 (*Mamestra*)
Castle Hill MC, J.D. Enys; ?ST ♂ labelled "Fereday Collection", CMNZ.
Hudson 1898, pp. 17–18, pl. iv fig. 33; 1928, p. 74, pl. ix fig. 24; as *Melanchra lithias.*
Note. Hudson (1898) reported that the 2 STs were in the Fereday collection.

maya Hudson, 1898, p. 17 (*Melanchra*)
Tableland Track, Mount Arthur NN, 3,400 ft, G.V. Hudson; HT ♀ unique, NMNZ.
Hudson 1898, p. 17, pl. iv fig. 31; 1928, p. 64, pl. viii fig. 8, as *Melanchra maya.*

mollis Howes, 1907, p. 533 (*Melanchra*; as *molis*)
Dunedin DN, W.G. Howes; LT ♂ here designated, labelled "coll. G. Howes. Museum Collection", NMNZ.
Hudson 1928, p. 68, pl. iv fig. 27, as *Melanchra mollis.*
Note. In Philpott's copy of *Trans. N.Z. Inst.* vol. 40, p. 533, is the marginal note "Laps cal." beside Howes's "molis". Howes (1912, p. 204) twice referred to the species as *mollis*, and gave a new illustration.

morosa Butler, 1880, p. 543 (*Xylophasia*)
[Blenheim MB], W. Skellon; HT ♂ labelled as "Type", antennae missing, BMNH.
Hudson 1898, pp. 19–20, pl. v fig. 3 and 4, as *Melanchra pelistis*, and p. 26, as synonym of *M. lignana*, after Meyrick (1887, p. 26); 1928, p. 74, pl. viii fig. 22, as *Melanchra morosa.*

pelistis Meyrick, 1887, p. 20 (*Mamestra*). Synonymised by Meyrick (1912b, p. 101).
Akaroa MC, R.W. Fereday; LT ♂ by unknown designator, labelled "Melanchra morosa Meyr. 5/1 E. Meyrick det. in Meyrick Coll.", "Akaroa New Zealand R.W.F. /82", "pelistis Meyr. lectotype ♂", BMNH.
Hudson 1898, pp. 19–20, pl. v fig. 3 and 4, as species; 1928, p. 74, as synonym.

mutans Walker, 1857b, p. 602 (*Hadena*)
[Auckland AK], D. Bolton; LT ♂ here designated, labelled "100. Hadena mutans", "N. Zealand Bolton 54-4", green circular type label, BMNH.
Hudson 1898, p. 18, pl. iv fig. 13–16; 1928, p. 66, pl. viii fig. 13 and 14; as *Melanchra mutans.*

lignifusca Walker, 1857b, p. 603 (*Hadena*). Synonymised by Meyrick (1887, p. 17).
[Auckland AK], D. Bolton; LT ♂ here designated, labelled "101 Hadena lignifusca", "New Zealand Bolton 54-4", green type label, BMNH.

Hudson 1898, p. 18; 1928, p. 66; as synonym.

spurcata Walker, 1857b, p. 631 (*Xylina*). Synonymised by Meyrick (1912b, p. 100).
[Auckland AK], D. Bolton; LT ♀ here designated, labelled "21. Xylina spurcata", "New Zealand Bolton 54-4", green type label, BMNH.
Hudson 1928, p. 66, as synonym.

vexata Walker, 1865b, p. 755 (*Xylina*). Synonymised by Meyrick (1887, p. 17).
[Nelson NN], T.R. Oxley; HT ♂ unique, genitalia missing, BMNH.
Hudson 1898, p. 18; 1928, p. 66; as synonym.

acceptrix Felder & Rogenhofer, 1875, pl. cix fig. 19 (*Mamestra*). Synonymised by Meyrick (1887, p. 17).
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1898, p. 18; 1928, p. 66; as synonym.

passa Morrison, 1874b, p. 139 (*Mamestra*). Synonymised by Franclemont (1981, p. 133).
"California" U.S.A. (error), H.K. Morrison; HT ♀ unique, MSUZ.
Not mentioned by Hudson.

debilis Butler, 1877, p. 385 (*Hadena*). Synonymised by Meyrick (1887, p. 17).
[Hawkes Bay HB], J.D. Enys; HT ♀ unique, BMNH.
Hudson 1898, p. 18; 1928, p. 66; as synonym.

pallescens Warren, 1912, p. 77 (*Maoria*; as aberration of *mutans*). **New synonymy.**
Dunedin DN, A. Purdie; HT ♀ designated by Warren, BMNH.
Not mentioned by Hudson.

nullifera Walker, 1857b, p. 742 (*Agrotis*)
[Waikouaiti DN], P. Earl; HT ♂ unique, BMNH.
Hudson 1898, pp. 9–10, pl. iv fig. 9, as *Leucania nullifera*, after Meyrick (1887, p. 7); 1928, p. 55, pl. vi fig. 14, as *Aletia nullifera*, after Meyrick (1912b, p. 97).

specifica Guenée, 1868, p. 3 (*Alysia*). Synonymised by Meyrick (1887, p. 7).
"Canterbury" MC, R.W. Fereday; HT ♂ designated by Guenée, BMNH.
Hudson 1898, p. 9; 1928, p. 55; as synonym.

olivea Watt, 1916, p. 413 (*Melanchra*)
Mount Egmont TK, M.N. Watt; HT ♂ not located; 9 ♂ 9 ♀ PTs same locality, Jan 1916, NMNZ.
Hudson 1928, p. 67, pl. lx fig. 30 and 31, as *Melanchra olivea*.

lata Philpott, 1927d, p. 81 (*Melanchra*). **New synonymy.**
Arthur's Pass [village] NC/WD, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 396, not figured, as species.
Note. Hudson (1939, p. 396, in part), refers to *olivea* Watt from Egmont, not the Howes specimens referred to by Watt (1916, p. 413, footnote) as "the southern form of *M. olivea*". Watt's type material and Philpott's are indistinguishable. See also *lindsayi*, above.

oliveri Hampson, 1911, p. 424 (*Morrisonia*)
Bold Peak OL, F.S. Oliver; HT ♀ designated by Hampson, Agrotidae genitalia slide no. 298, BMNH.
Hudson 1928, p. 69, pl. viii fig. 18, as *Melanchra oliveri*.

omicron Hudson, 1898, p. 22, pl. v fig. 42 (*Melanchra*)
[Karori] WN, A. Norris; ST series with Hudson labels "143a", "143b", "143c", "143d" not located.
Hudson 1898, p. 22, pl. v fig. 42, as species; 1928, p. 57, as synonym of *Aletia inconstans*; 1939, p. 400, as species.

omoplaca Meyrick, 1887, p. 24 (*Mamestra*)
Rakaia MC, R.W. Fereday; LT ♂ selected by Hampson (1905, p. 382), BMNH.
Hudson 1898, pp. 23–24, pl. v fig. 13; 1928, p. 70, pl. viii fig. 26 and 27, as *Melanchra omoplaca*.

umbra Hudson, 1903, p. 243 (*Melanchra*). Synonymised by Meyrick (1912b, p. 101).
Invercargill SL, W.G. Howes; LT ♂ here designated, labelled "527a" ["Invercargill, Howes and Philpott" – Hudson Register], NMNZ.
Hudson 1928, p. 70, as synonym.

micropis Hampson, 1918a, p. 121 (*Morrisonia*). **New synonymy.**
[?Wellington WN], G.V. Hudson; HT ♀ designated by Hampson, Agrotidae genitalia slide no. 330, BMNH.
Not mentioned by Meyrick or Hudson.

pagaia Hudson, 1909, p. 67, pl. II fig. 9 (*Leucania*)
The Snares islands, W. Benham; HT ♂ unique, NMNZ.
Hudson 1928, p. 52, pl. lx fig. 20, as *Leucania pagaia*. Dugdale 1971, pp. 123–124, fig. 97–103, as subspecies of *Graphania insignis*.
Note. The status of various entities in the *insignis* complex is uncertain; while *pagaia* is a veritable *Graphania*, its relationship to *scutata*, *fenwicki*, and *insignis* requires further study.

paracausta Meyrick, 1887, pp. 15–16 (*Mamestra*)
Castle Hill MC, J.D. Enys; LT ♂ here designated, labelled "Mamestra paracausta Meyr." (in Meyrick's handwriting), "Fereday Collection", "72", CMNZ.
Hudson 1898, p. 15, pl. iv fig. 28 and 28A; 1928, p. 68, pl. viii fig. 23 and 24; as *Melanchra paracausta*.

pelanodes Meyrick, 1931a, pp. 92–93 (*Melanchra*) **new combination**
Waimarino [National Park] TO, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 400, pl. lv fig. 21, as *Melanchra pelanodes*.

petrograpta Meyrick, 1929, p. 484 (*Melanchra*)
Kinloch, head of Lake Wakatipu OL, G.V. Hudson; HT ♀ unique, Agrotidae genitalia side no. 360, BMNH.
Hudson 1928, pl. ix fig. 21, as *Melanchra mutans*, variety;

1939, p. 396, pl. lv fig. 14; 1950, pp. 81–82, pl. vi fig. 2; as *Melanchra petrograpta.*

phricias Meyrick, 1888a, p. 46 (*Mamestra*)
Christchurch MC, R.W. Fereday; LT ♂ by unknown designator, labelled "Mamestra phricias Meyr. 5/1 E. Meyrick det. in Meyrick Coll.", "Christchurch New Zealand RWF 7/2/65", yellow LT label, BMNH.
Hudson 1898, p. 27, pl. v fig. 22; 1928, p. 75, pl. lx fig. 11; as *Melanchra phricias.*
Note. Meyrick proposed *phricias* as a name for *temperata* Meyrick, 1887, p. 27 (not of Walker, 1858, p. 1648). A ♀ ex Felder Collection in BMNH is labelled as "Spiti", "Cucullia cellulata Warr. type ♀ [symbol inverted] Warr.", and "Spiti – err. loc. Hadeninae = Morrisonia phricias Meyr. fr. N. Zealand". I cannot trace publication of Warren's epithet.

plena Walker, 1865b, p. 744 (*Erana*)
[Nelson NN], T.R. Oxley; HT ♂ unique, photographed (BM negative no. 47546), Noctuidae slide no. 82330 ♂, BMNH.
Hudson 1898, p. 17, pl. iv fig. 32; 1928, p. 65, pl. viii fig. 3 and 4; as *Melanchra plena.*

viridis Butler, 1880, p. 547 (*Dianthoecia*). Synonymised by Meyrick (1887, p. 17).
Blenheim MB, W. Skellon; HT ♀ designated by Butler, photographed (BM negative no. 47547), BMNH.
Hudson 1898, p. 17; 1928, p. 65; as synonym.

prionistis Meyrick, 1887, p. 27 (*Mamestra*)
Rakaia MC, R.W. Fereday; LT ♂ by unknown designator, labelled "Mamestra prionistis Meyr. 3/1 E. Meyrick det. in Meyrick Coll.", "Rakaia New Zealand RWF 2/76", BMNH.
Hudson 1898, p. 27, pl. v fig. 21; 1928, p. 75, pl. ix fig. 22; as *Melanchra prionistis.*

rubescens Butler, 1879a, p. 489 (*Xylophasia*)
"Otago", F.W. Hutton; HT ♂ labelled as "Xylophasia rubescens Butler (Type)", BMNH.
Hudson 1898, pp. 25–26, pl. v fig. 18; 1928, p. 71, pl. ix fig. 4 and 5; as *Melanchra rubescens.* Dugdale 1971, pp. 119 and 129–130, fig. 118–120, as *Graphania rubescens.*

scutata Meyrick, 1929, p. 485 (*Melanchra*)
Wellington WN, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, pl. viii fig. 12, as *Melanchra insignis*, ♀; 1939, p. 395, pl. lv fig. 12, as *Melanchra scutata.*

sericata Howes, 1945, pp. 66–67 (*Melanchra*)
Homer Tunnel FD, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Hudson 1950, p. 80, pl. vii fig. 12.

sequens Howes, 1912, pp. 204–205 (*Morrisonia*)
Whakarewarewa BP, G.B. Longstaff; HT ♂ designated by Howes, no longer so labelled; series of possible STs, BMNH.
Hudson 1928, p. 75, pl. ix fig. 26, as *Melanchra sequens.*

distracta Meyrick, 1924a, p. 202 (*Melanchra*). **New synonymy.**
Mount Ruapehu TO, 4,000 ft, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 76, as species.

tetrachroa Meyrick, 1931a, p. 92 (*Melanchra*)
Waimarino [National Park] TO, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1939, pp. 399–400, pl. lv fig. 20, as *Melanchra tetrachroa.*

ustistriga Walker, 1857b, pp. 630–631 (*Xylina*)
[?Hawkes Bay HB or Taupo TO], W. Colenso; LT ♀ here designated, labelled "N. Zealand Colenso 53-19", "19. Xylina ustistriga", "Lectotype JSD 1980", BMNH.
Hudson 1898, pp. 26–27, pl. v fig. 20 and 20A; 1928, p. 68, pl. viii fig. 16 and 17; as *Melanchra ustistriga.*

lignisecta Walker, 1857b, p. 631 (*Xylina*). Synonymised by Meyrick (1887, p. 26).
Auckland AK, D. Bolton; HT ♀ unique, labelled in error as LT by Dugdale, BMNH.
Hudson 1898, p. 26; 1928, p. 68, as synonym.
Note. Of two candidate specimens under *ustistriga* in BMNH, both from Auckland and collected by Bolton, only the ♀ can be Walker's unique holotype of *lignisecta.* G.F. Hampson had chosen an Oxley specimen collected in 1860, after Walker's description was published.

Also 4 undescribed species (NZAC).

• ***Ichneutica*** Meyrick, 1887, p. 13. Type species *Ichneutica ceraunias* Meyrick, by original monotypy.

cana Howes, 1914, p. 96 (*Ichneutica*)
Hector Mountains OL, W.G. Howes; HT ♂ unique, not found in NMNZ.
Hudson 1928, pp. 50–51, pl. ix fig. 15.

lata Philpott, 1915, p. 192 (?*Aletia*). Synonymised by Salmon (1945, pp. 1–3).
Vanguard Peak OL, H. Hamilton and F.S. Oliver; HT ♂ designated by Philpott, NMNZ.
Hudson 1928, p. 51, pl. vi fig. 24, as species; 1950, p. 75, as synonym of *Ichneutica cana.*
Note. This synonymy was arrived at without examination of the type material.

ceraunias Meyrick, 1887, p. 13 (*Ichneutica*)
Mount Arthur NN, 4,700 ft, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1898, pp. 14–15, pl. iv fig. 25 and 26; 1928, p. 50, pl. vi fig. 4–6.

dione Hudson, 1898, p. 14, pl. iv fig. 27 (*Ichneutica*)
Mount Arthur NN, 4,400 ft, C.W. Palmer; HT ♂ unique, NMNZ.
Hudson 1928, p. 50, pl. vi fig. 22; 1950, p. 73, pl. v fig. 9.

Note. Hudson (1950, p. 73) presents a clear view of his opinion of type specimens.

homerica Howes, 1943, pp. 371–372 (*Ichneutica*)
Homer Tunnel FD, W.G. Howes; HT ♂ designated by Howes, NMNZ.
Hudson 1950, p. 74, pl. v fig. 10 and 11.

lindsayi Philpott, 1926a, p. 387 (*Ichneutica*)
Hunter Mountains FD, 4,000 ft, S. Lindsay; HT ♂ designated by Philpott, CMNZ.
Hudson 1928, p. 50, pl. vi fig. 8.

marmorata Hudson, 1924, pp. 7-8 (*Persectania*)
Arthur's Pass NC/WD, J.W. Campbell; HT ♀ unique, CMNZ.
Hudson 1928, p. 51, pl. 1 fig. 10 and 17, as *Ichneutia marmorata.*

dives Philpott, 1924a, p. 207 (*Ichneutica*). Synonymised by Philpott (1927d, p. 80).
Mount Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 51, as synonym; ♂ figured pl. 1 fig. 10.

nervosa Hudson, 1922, p. 196 (*Ichneutica*)
Bold Peak OL, F.S. Oliver; ST series not located.
Hudson 1928, p. 51, pl. 1 fig. 1.

notata Salmon, 1946, pp. 1–3, pl. 1 fig. 2 and 3 (*Ichneutica*)
Mount Peel NN, H. Hamilton; HT ♀ designated by Salmon, NMNZ.
Hudson 1950, pp. 75–76, pl. viii fig. 5; also 1928, pl. vi fig. 23 (as *Ichneutica lata* ♂).

Also 1 undescribed species (NZAC).

• ***Meterana*** Butler, 1877, pp. 385–386. Type species *Dianthecia pictula* not of White (1855), but in the sense of Butler (1877, pp. 385–386) [= *Miselia meyricci* Hampson, 1911], by original designation. Note. This genus is resurrected for those New Zealand "*Melanchra*" species excluded from *Graphania* by Dugdale (1971b, pp. 118–119).

alcyone Hudson, 1898, p. 24, pl. v fig. 14 (*Melanchra*) **new combination**
Botanic Gardens, Wellington WN, A. Norris; ST series not located.
Hudson 1928, p. 70, pl. viii fig. 25, as *Melanchra alcyone.* Dugdale 1971, p. 119, in "*Erana*" group.

asterope Hudson, 1898, pp. 24–25, pl. v fig. 15 (*Melanchra*) **new combination**
Mt Arthur Tableland NN, G. V. Hudson; HT ♀ unique, labelled "76a", NMNZ.
Hudson 1928, p. 72, pl. viii fig. 30, as *Melanchra asterope.* Dugdale 1971, p. 119, in "Erana" group.

badia Philpott, 1927d, p. 80 (*Melanchra*) **new combination**
Leslie Valley, Mount Arthur NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1939, p. 398, pl. lv fig. 11, as *Melanchra badia.*

meridiana Salmon, 1956, p. 573, pl. 21 fig. 1 and 2 (*Melanchra*). **New synonymy.**
Portobello DN, W.G. Howes; HT ♂ designated by Salmon, NMNZ.
Note. Salmon (1956, pl. 21 fig. 3) illustrates *Graphania morosa.* The ♀ "*M. coeleno*" with genitalia on BMNH Agrotidae slide no. 300 is a ♀ *M. badia.*

coeleno Hudson, 1898, p. 26, pl. iv fig. 39 (*Melanchra*) **new combination**
Wellington WN, G.V. Hudson; candidate NT ♂, labelled "456a", "on roof of observatory, Oct. '97", NMNZ.
Hudson 1928, p. 69, pl. viii fig. 20, as *Melanchra coeleno.* Dugdale 1971, p. 119, in "*Erana*" group.
Note. The original specimens collected by Norris and Hawthorne could not be located. Specimen "456a" was probably collected after Hudson had sent his MS. to London to be typeset, as he mentioned no specimens other than those captured by Norris and Hawthorne.

coctilis Meyrick, 1931a, p. 93 (*Melanchra*) **new combination**
Flora River, Mount Arthur NN, G.V. Hudson (reared); LT ♂ here designated, labelled "Melanchra coctilis Meyr. 1/1 E. Meyrick det. in Meyrick Coll.", "Flora R. New Zealand GVH bred .30", "Lectotype", BMNH.
Hudson 1939, p. 399, pl. lv fig. 19.

decorata Philpott, 1905, pp. 328–329 (*Melanchra*) **new combination**
?West Plains SL, A. Philpott; HT ♂ designated by Philpott, no other label, NZAC.
Hudson 1928, p. 70, pl. viii fig. 5, as *Melanchra decorata.*

diatmeta Hudson, 1898, p. 21, pl. v fig. 5 (*Melanchra*) **new combination**
Wellington WN, A. Norris; HT ["described from a specimen coll. Norris" – Hudson Register, NMNZ] not located.
Hudson 1928, pp. 69–70, pl. viii fig. 7, as *Melanchra diatmeta.*

dotata Walker, 1857b, pp. 522–523 (*Dasypolia*) **new combination**
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♂ unique, Agrotidae genitalia slide no. 323, BMNH.
Hudson 1898, p. 24, pl. v fig. 16; 1928, p. 72, pl. viii fig. 34; as *Melanchra dotata.* Dugdale 1971, p. 119, in "*Erana*" group.

boldensis Salmon, 1956, pp. 573–574, pl. 21 fig. 4 and 5 (*Melanchra*). **New synonymy.**
Bold Peak OL, J.T. Salmon; HT ♀ designated by Salmon, NMNZ.
Note. The characteristic wing pattern and elongate wing shape of *dotata* are present in designated *boldensis*, and specimens in NZAC from localities between central North

Island and Bold Peak are uniform in appearance, hence the proposed synonymy.

exquisita Philpott, 1903, pp. 246–247 (*Melanchra*) **new combination**

West Plains SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, pp. 63–64, pl. viii fig. 1, as *Melanchra exquisita*. Dugdale 1971, p. 119, in "*Erana*" group.

grandiosa Philpott, 1903, p. 246 (*Melanchra*) **new combination**

West Plains SL, A. Philpott; HT ♀ designated by Philpott, NZAC.

Hudson 1928, p. 64, pl. viii fig. 9, as *Melanchra grandiosa*. Dugdale 1971, p. 119, in "*Erana*" group.

inchoata Philpott, 1920, p. 43 (*Melanchra*) **new combination**

Stephens Island SD, H. Hamilton; HT ♂ designated by Philpott, NMNZ.

Hudson 1928, p. 69, pl. xlvii fig. 31 and 32, as *Melanchra inchoata*.

levis Philpott, 1905, p. 329, pl. xx fig. 4 (*Melanchra*) **new combination**

West Plains SL, A. Philpott; HT ♂ designated by Philpott, NZAC.

Hudson 1928, p. 74, pl. viii fig. 28, pl. xlviii fig. 18, as *Melanchra levis*. Dugdale 1971, p. 119, in "*Erana*" group.

merope Hudson, 1898, p. 19, pl. v fig. 2 (*Melanchra*) **new combination**

Wellington WN, G.V. Hudson; HT ♂ unique, labelled "268a", NMNZ.

Hudson 1928, p. 72, pl. x fig. 24, as *Melanchra merope*. Dugdale 1971, p. 119, in "*Erana*" group.

chlorograpta Hampson, 1905, p. 452 (*Morrisonia*). Synonymised by Longstaff (1912, p. 111, footnote).

Orepuki SL, Dunlop; HT ♀ designated by Hampson, Agrotidae genitalia slide no. 343, BMNH.

Hudson 1928, p. 72, as synonym.

meyricci Hampson, 1911, p. 421 (*Miselia*; as new name)

Macetown OL, H. Hamilton; HT ♂ labelled as "Type ♂" by Hampson, BMNH.

Hudson 1898, p. 19, pl. iv fig. 87; 1928, p. 63, pl. vii fig. 33; as *Melanchra pictula*.

pictula not of White (in Taylor 1855), but in the sense of Butler (1877, p. 386, pl. xlii fig. 1) (*Diantheocia*). Synonymised by Hampson (1911, p. 421).

pictula White in Taylor, 1855, p. xiii (list), pl. 1 fig. 3 (*Dianthoecia*)

[North Island], R. Taylor; HT not located.

Hudson 1898, pl. iv fig. 38; 1928, p. 63, pl. vii fig. 32; as *Melanchra rhodopleura*.

Note. White's illustration of *pictula* clearly represents the North Island population, lacking the prominent white reniform characteristic of South Island *meyricci*, as pointed out by Philpott (1928g, p. 483). Sunley (1911, p. 129) described the larva (as *rhodopleura*).

rhodopleura Meyrick, 1887, p. 19 (*Mamestra*). **New synonymy.**

Wellington WN, R.W. Fereday; LT ♂ here designated, labelled "Wellington New Zealand R.W.F. /85", "Melanchra rhodopleura Meyr. 2/1 E. Meyrick det. in Meyrick Coll.", BMNH.

Hudson 1898, p. 19; 1928, p. 63; as species.

ochthistis Meyrick, 1887, pp. 20–21 (*Mamestra*) **new combination**

Christchurch MC, R.W. Fereday; LT ♂ here designated, labelled "Melanchra ochthistis Meyr. 5/1 E. Meyrick det. in Meyrick Coll.", "Christchurch New Zealand RWF /85", BMNH.

Hudson 1898, p. 20, pl. iv fig. 42, as *Melanchra vitiosa* and as synonym; 1928, p. 73, pl. ix fig. 14, as *Melanchra ochthistis*. Dugdale 1971, p. 119, in "*Erana*" group.

octans Hudson, 1898, p. 25, pl. v fig. 1 (*Melanchra*) **new combination**

Mount Linton SL, A. Philpott; HT ♀ unique, labelled "378a", NMNZ.

Hudson 1928, p. 64, pl. viii fig. 2, as *Melanchra octans*. Dugdale 1971, p. 119, in "*Erana*" group.

pansicolor Howes, 1912, p. 204 (*Morrisonia*) **new combination**

Vauxhall, Dunedin DN, W.G. Howes; LT ♂ here designated, labelled "Vauxhall 14.11.09", "Fenwick Coll." (the 2 PLTs are ♀♀), NMNZ.

Hudson 1928, p. 69, pl. ix fig. 8, as *Melanchra pansicolor*. Dugdale 1971, p. 119, in "*Erana*" group and wrongly ascribed to Meyrick.

pascoi Howes, 1912, pp. 205–206 (*Morrisonia*) **new combination**

Queenstown OL, M.O. Pasco; 9♂ 4♀ STs each labelled "Cotype", AMNZ.

Hudson 1928, p. 71, pl. ix fig. 1–3, as *Melanchra pascoi*. Dugdale 1971, p. 119, in "*Erana*" group.

captiosa Philpott, 1927d, pp. 80–81 (*Melanchra*). **New synonymy.**

Mount Arthur Tableland NN, 4,000 ft, A. Philpott; HT ♀ designated by Philpott, NZAC.

Hudson 1939, p. 400, pl. lv fig. 3, as species.

saeva Meyrick, 1929, pp. 484–485 (*Melanchra*). **New synonymy.**

Arthur's Pass [village] NC/WD, G.V. Hudson; LT ♀ by unknown designator, labelled "Melanchra saeva Meyr. E. Meyrick det. in Meyrick Coll.", "Arthurs Pass New Zealand GVH bred 1.28", "Lectotype", BMNH.

Hudson 1939, pp. 397–398, pl. lv fig. 17 and 18, as species.

Note. Comparison of the type material and of material in NZAC from intermediate localities showed no differences, hence the proposed synonymies.

pauca Philpott, 1910, p. 544 (*Melanchra*) **new combination**
"Wairarapa" WA, ?collector; HT ♀ designated by Philpott, not located in NMNZ; PT ♂ labelled by Philpott, NZAC.
Hudson 1928, p. 64, pl. viii fig. 6, as *Melanchra pauca*. Dugdale 1971, p. 119, in "*Erana*" group.

praesignis Howes, 1911, p. 128, pl. 1 fig. 4 (*Morrisionia*) **new combination**
Orepuki SL, W.G. Howes; HT ♂ labelled as "Type" by Howes, not located.
Hudson 1928, p. 66, pl. ix fig. 9, pl. xlviii fig. 6, as *Melanchra praesignis*. Dugdale 1971, p. 119, in "*Erana*" group.

ludibunda Philpott, 1929a, p. 300 (*Melanchra*). **New synonymy.**
Mount Arthur NN, A. Philpott; HT ♀ designated by Philpott, NZAC.
Hudson 1939, p. 398, pl. lv fig. 9, as species.

stipata Walker, 1865b, pp. 753–754 (*Xylina*) **new combination**
[Nelson NN], T.R. Oxley; LT ♀ here designated, labelled "Xylina stipata", "N. Zealand Auckland Oxley 60-73", "Type" (circular, black-rimmed label), BMNH.
Hudson 1898, p. 25, pl. v fig. 17; 1928, pp. 71–72, pl. viii fig. 35 and 36; as *Melanchra stipata*. Dugdale 1971, p. 119, in "*Erana*" group.

tartarea Butler, 1877, p. 384 (*Graphiphora*) **new combination**
[MC], J.D. Enys; HT ♂ labelled by Butler as "Type", Agrotidae genitalia slide no. 326, BMNH.
Hudson 1898, p. 21, pl. v fig. 6; 1928, pp. 72–73, pl. viii fig. 32 and 33; as *Melanchra tartarea*. Dugdale 1971, p. 119, in "*Erana*" group.

vitiosa Butler, 1877, p. 384, pl. xliii fig. 3 (*Apamaea*) **new combination**
[MC], J.D. Enys; HT ♂ labelled by Butler as "Type", BMNH.
Hudson 1898, p. 20, pl. iv fig. 40, as *Melanchra proteastis*; 1928, p. 73, pl. ix fig. 13, as *Melanchra vitiosa*. Dugdale 1971, p. 119, in "*Erana*" group.

proteastis Meyrick, 1888a, p. 45 (*Mamestra*); replacement name for *M. vitiosa* not of Butler (1877) but in the sense of Meyrick (1887, p. 20). Synonymised by Meyrick (1912b, p. 101).
Christchurch MC, R.W. Fereday; LT ♂ by unknown designator, labelled "Melanchra vitiosa Butler, 3/3 E. Meyrick det. in Meyrick Coll.", "Mamestra proteastis Meyr., E. Meyrick det. in Meyrick Coll.", "Christchurch New Zealand RWF 6/69", LT label, BMNH.
Hudson 1898, p. 20, as species; 1928, p. 73, as synonym.

Also 1 undescribed species (NZAC, BMNH).

• ***Mythimna*** in the sense of Kloet & Hincks (1972, p. 77)

loreyimima Rungs, 1953, pp. 139 and 141, fig. 2C (*Leucania*, subgenus *Acantholeucania*)
Vietnam, Saigon, J. de Joannis; HT ♂ designated by Rungs, MNHN.
Papuasia.
New Zealand: variably established in ND, AK, WO, TK, WI, WN (Fox 1978), and present on the Kermadec Islands (Meyrick 1912, p. 97).
Hudson 1938, p. 393, pl. lxii fig. 19, as *Aletia loreyi* (not of Duponchel).

separata Walker, 1865, pp. 626–627 (*Leucania*)
China, Shanghai; HT ♂ unique, BMNH.
Old World, widely distributed.
New Zealand: resident, ND–WN, NN, MB.
Hudson 1898, pp. 13–14, pl. iv fig. 24, as *Leucania unipuncta* in the sense of Meyrick (1887, p. 12; as *Leucania extranea* [form A] Guenée, 1852, p. 78), not of Haworth; 1928, pp. 55–56, pl. vii fig. 14, as *Aletia unipuncta* in the sense of Meyrick (1912, p. 97).
Note. The larva is an agricultural pest known as the northern armyworm. Common (1965a, pp. 14–17) gives a useful guide to species in Australia, one of which has been intercepted here, in cargo.

• ***Persectania*** Hampson, 1905, pp. xii (key) and 386. Type species *Noctua ewingii* Westwood, 1839, by original designation (as *Persectania evingi*, an unjustified emendation – Nye 1965, p. 379); Australia.

aversa Walker, 1856c, p. 113 (*Leucania*)
"Country unknown"; HT ♀ unique, BMNH.
Hudson 1898, pp. 22–23, pl. v fig. 8 and 9, as *Mamestra composita*, after Meyrick (1887, p. 22), not of Guenée, 1852; 1928, p. 61, pl. vii fig. 27, as *Persectania aversa*, different from Australian *P. composita* (a synonym of *P. ewingii* Westwood).

peracuta Morrison, 1874a, p. 114 (*Morrisonia*). Formally synonymised by Franclemont (1981, pp. 135–136, fig. 3 and 4).
?California (locality unknown); LT ♀ designated and illustrated by J.G. Franclemont, USNM.
Hudson 1928, p. 61, as synonym of *composita*, after Meyrick (1912, p. 99). Common 1954a, p. 88, as probable synonym of *aversa*.
Note. The ♂ labelled "M. peracuta Morr. Type" from the Grote Collection, no. 1738, Agrotidae genitalia slide no. 148, BMNH, was never indicated in a publication. Franclemont's action has precedence.

maori Felder & Rogenhofer, 1875, pl. cix fig. 24 (*Mamestra*). Synonymised by Meyrick (1887, p. 22).
[Nelson NN, T.R. Oxley]; HT ♀ unique, Agrotidae genitalia slide no. 261, BMNH.
Hudson 1898, p. 22; 1928, p. 61; as synonym.

dentigera Butler, 1880, p. 542 (*Leucania*). Synonymised by Meyrick (1887, p. 22).

Blenheim MB, W. Skellon; HT ♀ unique, Agrotidae genitalia slide no. 151, BMNH.
Hudson 1898, p. 22; 1928, p. 61; as synonym.

• ***Physetica*** Meyrick, 1887, p. 5. Type species *Spaelotis caerulea* Guenée, by original monotypy.

caerulea Guenée, 1868, p. 38 (*Spaelotis*)
[Rakaia MC], R.W. Fereday; HT ♂ unique, BMNH.
Hudson 1898, p. 8, pl. iv fig. 7; 1928, p. 59, pl. vii fig. 20–22.
Note. Specimens from OL and FD in NZAC have the wings grey ventrally, not shining buff.

hudsoni Howes, 1906, p. 510, pl. xliv fig. 1 (*Physetica*). Synonymised by Hudson (1928, p. 59).
Tuturau SL, R. Gibb; HT ♂ unique, not located.
Hudson 1928, p. 59 as synonym.

• ***Tmetolophota*** Hampson, 1905, pp. xiv (key) and 470. Type species *Leucania propria* Walker, 1856, by original designation.
Note. Dugdale (1971b, p. 120) transferred to this genus all New Zealand species placed by Hudson (1928, 1939) in *Leucania* and *Persectania* except *P. aversa* and *P. disjungens*.

acontistis Meyrick, 1887, p. 9 (*Leucania*)
Castle Hill MC, J.D. Enys; HT ♂ unique, CMNZ.
Hudson 1898, p. 11, pl. iv fig. 14; 1928, p. 52, pl. vii fig. 5; as *Leucania acontistis*.
Note. *T. acontistis*, *T. stulta* (Philpott), and *T. paraxysta* (Meyrick) form an intergrading group on colour pattern.

alopa Meyrick, 1887, p. 10 (*Leucania*)
Lake Guyon MB/BR, R.W. Fereday; LT ♂ here designated, labelled "Leucania alopa Meyr." in Meyrick's handwriting, "Feb–Mar /75 Lake Guyon", CMNZ.
Hudson 1898, p. 12, pl. iv fig. 165; 1928, p. 53, pl. vii fig. 8; as *Leucania alopa*.

atristriga Walker, 1865b, p. 756 (*Xylina*)
[Nelson NN], T.R. Oxley; LT ♂ here designated, labelled "Xylina atristriga", "New Zealand Auckland Oxley 60-73", "Type" (circular label, green margin), BMNH.
Hudson 1898, p. 10, pl. iv fig. 12, as *Leucania astristriga*; 1928, pp. 61–62, pl. vii fig. 28, as *Persectania atristiga*.

antipoda Felder & Rogenhofer, 1875, pl. cix fig. 23 (*Mamestra*). Synonymised by Meyrick (1887, p. 8).
[Nelson NN, T.R. Oxley]; HT ♀ unique, BMNH.
Hudson 1898, p. 10; 1928, p. 61; as synonym.

arotis Meyrick, 1887, p. 11, line 20 (*Leucania*)
Blenheim MB, W. Skellon; LT ♂ here designated, labelled "From Skellon", "Fereday Collection", "Lectotype ♂ Leucania arotis Meyr.", CMNZ.
Hudson 1898, p. 12, pl. vi fig. 18, as *Leucania arotis*; 1928, p. 61, pl. vii fig. 26, as *Persectania arotis*.

aulacias Meyrick, 1887, p. 11, line 1 (*Leucania*). Synonymised by Hudson (1898, p. 12).
Dunedin DN, [R.W. Fereday]; HT ♂ unique, CMNZ.
Hudson 1898, p. 12 and footnote; 1928, p. 61; as synonym.
Note. Hudson's synonymy is the action of a "first reviser" as defined by Article 24(i) of the International Code of Zoological Nomenclature, 1964, p. 25, and is mandatorily here upheld, as Recommendation 24A (which would reverse the synonymy) is not a Rule, i.e., is not mandatory.

obsoleta Howes, 1906, p. 511 (*Leucania*), preoccupied. Synonymised by Longstaff (1912, p. 112).
Dunedin DN, W.G. Howes; HT ♀ not located.
Hudson 1928, p. 61, as synonym.
Note. *Leucania obsoleta* Howes is a junior homonym of *L. obsoleta* Hübner, 1803 (Europe) in Hampson (1905, p. 599), now *Mythimna obsoleta* in Heath *et al.* (1979, p. 269). A search of BMNH, CMNZ, and NMNZ failed to reveal any ♀ collected in December 1904 or any earlier year. Howes's description was read to the Otago Institute on 12 September 1905.

innotata Howes, 1908, p. 534, (*Leucania*), replacement name for *obsoleta* Howes. Synonymised by Longstaff (1912, p. 112).
Anderson's Bay DN, W.G. Howes; LT ♀ here designated, labelled "Dunedin 2.10.06", "Museum Collection Coll. G. Howes", NMNZ.
Hudson 1928, p. 61, as synonym.
Note. As well as altering the name *obsoleta* to *innotata* Howes gave a new description and cited particular specimens collected around Dunedin in October 1906. I have identified these as being in NMNZ, and have designated a LT from that series.

blenheimensis Fereday, 1883c, p. 196 (*Leucania*)
Blenheim MB, W. Skellon; LT ♀ here designated, labelled "10", "Fereday Collection", CMNZ.
Hudson 1898, p. 13, pl. iv fig. 23; 1928, p. 53, pl. vii fig. 9; as *Leucania blenheimensis*.

hartii Howes, 1914, p. 95 (*Leucania*)
Cape Egmont TK, S. Hart; HT ♀ unique, not located.
Hudson 1928, p. 54, pl. ix fig. 16, as *Leucania harti*.

lissoxyla Meyrick, 1911b, p. 70 (*Leucania*)
Mount Arthur Tableland NN, 4,000 ft, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1928, p. 53, pl. vii fig. 7, as *Leucania lissoxyla*.

micrastra Meyrick, 1897, p. 383 (*Aletia*)
Wellington WN, G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1898, p. 12, pl. iv fig. 10, as *Leucania micrastra*; 1928, p. 54, pl. vii fig. 13, as *Aletia micrastra*, after Meyrick (1912b, p. 97).

sapiens Meyrick, 1929, p. 484 (*Aletia*). **New synonymy.**
Waiouru TO, G.V. Hudson; HT ♂ unique, BMNH.
Hudson 1939, p. 393, pl. lv fig. 10, as *Aletia sapiens*.
Note. No feature could be found distinguishing between the two HTs, and all North Island material in NZAC agrees outwardly with both, hence the proposed synonymy.

paraxysta Meyrick, 1929, p. 483 (*Leucania*)
Waiouru TO, G.V. Hudson; LT ♂ selected by D.S. Fletcher and here published, labelled "Leucania paraxysta Meyr. 4/1 E. Meyrick det. in Meyrick Coll.", "Waiouru New Zealand G.V.H. 12.28", BMNH.
Hudson 1939, p. 393, pl. lv fig. 25 and 26, as *Leucania paraxysta.*
Note. See note under *T. acontistis*, above.

phaula Meyrick, 1887, p. 10 (*Leucania*)
Christchurch MC, [R.W. Fereday]; LT ♂ here designated, labelled "Nov. 1872 Sumner, bred fr. larva found in tussock", "Fereday Collection", CMNZ.
Hudson 1898, p. 11, pl. iv fig. 15; 1928, p. 53, pl. vii fig. 6; as *Leucania phaula.*

dunedinensis Hampson, 1905, p. 591 (*Leucania*). Synonymised by Meyrick (1912b, p. 96).
Dunedin DN, A. Purdie; HT ♂ designed by Hampson, BMNH.
Hudson 1928, p. 53, as synonym.
Note. Hampson's HT also bears the label "Spaelotis dunedinensis Butler, type".

neurae Philpott, 1905, p. 330, pl. xx fig. 5 (*Leucania*). Synonymised by Meyrick (1909a, p. 5).
West Plains SL, A. Philpott; 2 ST ♂♂, both labelled "West Plains" [no date], NZAC.
Hudson 1928, p. 53, as synonym.

propria Walker, 1856c, pp. 111–112 (*Leucania*)
[Waikouaiti DN], P. Earl; HT ♂ unique, BMNH.
Hudson 1898, p. 11, pl. iv fig. 13, as *Leucania propria*; 1928, p. 62, pl. vii fig. 29, as *Persectania propria*, after Meyrick (1912b, p. 99).

basifascia Hampson, 1913b, p. 598 (*Persectania*). **New synonymy.**
[OL or CO], A. Hamilton; HT ♂ designated by Hampson, Agrotidae genitalia slide no. 171, BMNH.
Hudson 1928, p. 62, not figured, as species.

purdii Fereday, 1883c, pp. 195–196 (*Leucania*)
Fairfield, Dunedin DN, A. Purdie; HT ♂ unique, CMNZ.
Hudson 1898, p. 10, pl. iv fig. 11; 1928, p. 52, pl. vi fig. 13; as *Leucania purdii.*

semivittata Walker, 1865a, p. 628 (*Leucania*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 13, pl. iv fig. 21 and 22; 1928, p. 53, pl. vii fig. 10; as *Leucania semivittata.*

similis Philpott, 1924a, pp. 207–208 (*Persectania*)
Gouland Downs NN, A. Philpott; HT ♂ designated by Philpott, NZAC.
Hudson 1928, p. 61; 1939, p. 394, pl. lv fig. 22; as *Persectania similis.*

steropastis Meyrick, 1887, pp. 22–23 (*Mamestra*)
Christchurch MC, R.W. Fereday; LT ♂ by unknown designator, labelled "Mamestra steropastis Meyr. 2/1 E. Meyrick det. in Meyrick Coll.", "New Zealand RWF .85", BMNH.
Hudson 1898, p. 23, pl. v fig. 10 and 11, as *Melanchra steropastis*; 1928, p. 60, pl. vii fig. 24, as *Persectania steropastis.*
Note. A Dunedin DN specimen from Purdie (accession no. 88-8) in BMNH bears a Butler MS. name (*aberrans*) which is not listed in the Museum's Noctuidae card catalogue.

stulta Philpott, 1905, p. 329, pl. xx fig. 1 (*Leucania*)
West Plains SL, A. Philpott; HT ♀ so labelled by Philpott, NZAC.
Hudson 1928, p. 54, pl. vii fig. 12, as *Leucania stulta.*
Note. See note under *T. acontistis*, above.

sulcana Fereday, 1883, pp. 267–268, pl. ix fig. 3 (*?Leucania*)
Rowe's Bush, Akaroa MC, R.W. Fereday; LT ♀ here designated, labelled "Type", "5.2.78 Akaroa Rowes Bush at night", CMNZ.
Hudson 1898, p. 13, pl. iv fig. 19 and 20; 1928, pp. 53–54, pl. vii fig. 11; as *Leucania sulcana.*

toroneura Meyrick, 1901, p. 565 (*Leucania*)
Mount Cook MK, G.V. Hudson; LT ♂ by unknown selector, labelled "Leucania toroneura Meyr. 6/4 lectotype E. Meyrick det. in Meyrick Coll.", "Mt Cook New Zealand G.V.H. 12/99", BMNH.
Hudson 1928, pp. 52–53, pl. vi fig. 19, as *Leucania toroneura.*

unica Walker, 1856c, p. 12 (*Leucania*)
[Waikouaiti DN], P. Earl; HT ♀ unique, BMNH.
Hudson 1898, p. 12, pl. iv fig. 17; 1928, p. 52, pl. vi fig. 2; as *Leucania unica.*

juncicolor Guenée, 1868, p. 2 (*Nonagria*). Synonymised by Meyrick (1887, p. 10).
[?Rakaia MC], H.G. Knaggs; HT ♂ unique, BMNH.
Hudson 1898, p. 12; 1928, p. 52; as synonym.

Also 3 undescribed species (NZAC and K.J. Fox Collection).

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Subfamily HELIOTHINAE

(as in Hardwick 1970, Bretherton *et al.* 1983)

• ***Heliothis*** Ochsenheimer, 1816, p. 91. Type species *Phalaena dipsacea* Linnaeus (= *Phalaena viriplaca* Hufnagel), by subsequent designation (Samouelle, 1819, p. 252); Europe.
Note. The gender of *Heliothis* has now been ruled on (ICZN 1985b, p. 158). The feminine ending for specific names is retained here, following an ICRISAT recommendation (Nye 1982, pp. 7–8).

Subgenus *Helicoverpa* Hardwick, 1965, p. 9. Type species *Noctua armigera* Hübner, 1808, pl. 79 fig. 370, by original designation.
Note. Hardwick (1970, pp. 7–19) reviewed heliothine genera and reiterated two clear characters separating *Helicoverpa* from *Heliothis*: (a) presence of cornuti on the aedeagal vesica; and (b) presence of a group of stiff, modified scales on the fore femur, both lacking in *Heliothis* in the sense of Hardwick (1965) and *Schinia* in the sense of Hardwick (1970). Scott (1980, p. 1) synonymised *Helicoverpa* with *Heliothis* on the grounds that if the characters delimiting *Helicoverpa* from *Heliothis* and *Schinia* are given a different 'weighting', Hardwick's premise does not hold. Nye (1982, p. 5) proposed subgeneric status for *Helicoverpa*, a course followed here. In redescribing *H. armigera*, Bretherton *et al.* (1983, p. 296) place it without comment in *Heliothis*, and do not list *Helicoverpa* (of which *armigera* is the type species) in the synonymy under *Heliothis*.

armigera conferta Walker, 1857b, p. 690 (*Heliothis*; as species)
Auckland AK, A. Sinclair; ST series in BMNH.
Hudson 1898, p. 32, pl. v fig. 40 and 41; 1928, pp. 46–47, pl. vi fig. 26; as *Heliothis armigera*.

punctigera Wallengren, 1860, p. 171 (*Heliothis*)
Australia, Sydney; HT ♂ in NRSS.
New Zealand: sporadic immigrant, occasionally establishing for a summer, but overwintering doubtful (Fox 1978).
Not mentioned by Hudson.

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Subfamily HYPENINAE
(as in Nye 1975, but excluding *Schrankia*)

Richards (1933) and Owada (1987) both define Herminiinae on the tympanal hood being pre-spiracular (in front of abdominal spiracle 1). Although *Rhapsa* and New Zealand *Trigonistis* accord well with most characters described for Japanese Herminiinae by Owada, in our genera the tympanal hood is post-spiracular, i.e., the spiracle is on the inner surface of the hood, facing anteriorly (Figures 114 and 115). As South Pacific representatives of *Bocana* Walker, *Hydrillodes* Guenée, *Lophocoleus* Robinson, and *Simplicia* Guenée show a range of spiracle 1 positions – from just outside the hood rim to on the rim to under the rim – the stated apomorphy is unsatisfactory, and may describe only one end of a grade. Therefore, I am reluctant at present to assign the New Zealand representatives to Herminiinae.

• ***Lithilaria*** Rosenstock, 1885, p. 425. Type species *Lithilaria ossicolor* Rosenstock, by original monotypy; Australia.

Hyperaucha Meyrick, 1897b, p. 383. Type species *Hyperaucha octias* Meyrick, by original monotypy; New Zealand and Australia. Synonymised by Nye (1975, p. 250).
Note. In 1981 the New Zealand material was under *Trigonistis* Meyrick, in BMNH. Meyrick (1901, p. 566), specifically excluded from his concept of *octias* all New Zealand material, and made it plain that the name referred only to his Australian specimens. The situation requires clearing up.

• ***Rhapsa*** Walker, 1866a, p. 1149. Type species *Rhapsa scotosialis* Walker, by original monotypy.

scotosialis Walker, 1866a, p. 1150 (*Rhapsa*)
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1898, p. 36, pl. vi fig. 5 and 6; 1928, p. 82, pl. x fig. 6 and 7.

lilacina Butler, 1877, p. 388, pl. xlii fig. 11 (*Herminia*). Synonymised by Meyrick (1887, p. 88).
[MC], J.D. Enys; HT ♂ unique, BMNH.
Hudson 1898, p. 36; 1928, p. 82; as synonym.

• ***Trigonistis*** Meyrick, 1902a, p. 39. Type species *Trigonistis demonias* Meyrick, by original monotypy.

anticlina Meyrick, 1901, p. 566 (*Hypenodes*) **new combination**
Wellington WN, G.V. Hudson; 2 ST ♀♀, one labelled "Wellington New Zealand G.V.H. /93", the other "New Zealand GVH /99", BMNH.
Hudson, 1898, p. 37 pl. vi fig. 7, as *Rhapsa octias* (not of Meyrick, 1897, p. 383); 1928, p. 78, pl. x fig. 16, as *Hypenodes anticlina*.
Note. The ST series of *anticlina* is under *Trigonistis* in BMNH.

Also 1 undescribed species (NZAC).

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Subfamily HYPENODINAE
(as in Forbes 1954)

• ***Schrankia*** Hübner, [1825], p. 345. Type species *Pyralis taenalis* Hübner, by monotypy; Europe.

costaestrigalis Stephens, 1834, p. 45 (*Hypenodes*)
Cosmopolitan.
New Zealand: ND–SL, throughout.
Hudson 1898, p. 34, as *Hypenodes exsularis*; 1928, p. 77, pl. x fig. 9, as *Hypenodes costaestrigalis*.

exsularis Meyrick, 1888a, p. 46 (*Hypenodes*). Synonymised by Meyrick (1910b, p. 69).
[New Plymouth] TK, E. Meyrick; HT ♂ unique, BMNH.
Hudson 1898, p. 34, as species; 1928, p. 77, as synonym.

triangulalis Hudson, 1923a, p. 64 (*Scoparia*). Synonymised by Hudson (1928, p. 77).
Kaeo ND, C.E. Clarke; HT not located.
Hudson 1928, p. 77, as synonym.

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Subfamily NOCTUINAE
(as in Nye 1975)

• ***Agrotis*** Ochsenheimer, 1816, p. 66. Type species *Noctua segetum* Denis & Schiffermüller, 1775, p. 81, by subsequent designation (Curtis 1827, p. 165); Austria.

infusa Boisduval, 1838, p. 240 (*Noctua*)
"Australie", ?collector; HT not located (Common 1958a, p. 76).
New Zealand: regular spring migrant (Fox 1978). Philpott (1920, p. 42) first recorded adults here.
Hudson 1928, p. 48, pl. xlviii fig. 35, as *Agrotis spina* Guenée.
Note. Common (1954b, pp. 223–263; 1958, pp. 69–88, pl. 1) gives comprehensive biological and taxonomic information.

innominata Hudson, 1898, p. 31, pl. v fig. 39 (*Agrotis*)
Wellington WN, J.H. Lewis and W.R. Morris; 2 ST ♂♂, not located, NMNZ.
Hudson 1928, p. 48, pl. vi fig. 20.
Note. The entry in Hudson's Register at NMNZ reads "442a Newtown Wellington. J.H. Lewis Dec. 92", but the specimen is gone.

ipsilon aneituma Walker, 1865a, p. 701 (*Agrotis*; as species)
Vanuatu, Aneityum; HT ♂ unique, Agrotidae genitalia slide no. 562, BMNH.
Hudson 1898, p. 30, pl. v fig. 35 and 36; 1928, p. 48, pl. vi fig. 21; as *Agrotis ypsilon*.
Note. Common (1958a, p. 73) lists differences in colour pattern between the nominate subspecies (*ipsilon*) from Europe and subspecies *aneituma* from Australia, New Zealand, and Papua New Guinea. He could discern no genital differences.

munda Walker, 1857a, p. 348 (*Agrotis*)
Australia, Adelaide, Wilson; LT ♂ labelled as "type", Agrotidae genitalia slide no. 546, BMNH.
New Zealand: sporadic, non-establishing (Fox 1978).
Hudson 1928, p. 47, pl. vi fig. 25, as *Euxoa radians*.
Note. One of Walker's series was sent from New Zealand by Rev. J.F. Churton, of Auckland.

• ***Diarsia*** in the sense of Holloway (1977, p. 62)

intermixta Guenée, 1852a, p. 337 (*Noctua*)
"sans indication de patrie"; HT ♀ unique, MNHN.
Hudson 1898, p. 7, pl. v fig. 29, as *Orthosia immunis*; 1928, pp. 48–49, pl. vii fig. 1 and 2, as *Graphiphora compta*.

compta Walker, 1857a, p. 404 (*Graphiphora*). Synonymised by implication (Holloway 1977, p. 62).
Australia, New South Wales, Wood; HT ♂ unique, BMNH.
Hudson 1928, pp. 48–49, pl. vii fig. 1 and 2.

immunis Walker, 1857a, p. 430 (*Taeniocampa*). Synonymised with *compta* by Meyrick (1912b, p. 95).
[?Hawkes Bay HB or Taupo TO], W. Colenso; HT ♀ unique, BMNH.
Hudson 1898, p. 7, as species; 1928, p. 48, as synonym.

communicata Walker, 1865b, pp. 716–717 (*Orthosia*). Synonymised with *compta* by Meyrick (1912b, p. 95).
[Nelson NN], T.R. Oxley; HT ♂ unique, BMNH.
Hudson 1928, p. 48 as synonym.

acetina Felder & Rogenhofer, 1875, pl. cix fig. 6 (*Agrotis*). Synonymised with *immunis* by Meyrick (1887, p. 30).
[Nelson NN, T.R. Oxley]; HT ♂ unique, BMNH.
Hudson 1898, p. 7; 1928, p. 48; as synonym.
Note. There are 8 other synonyms of *D. intermixta*, 6 by Walker, 2 by Warren; none refer to New Zealand.

• ***Ectopatria*** Hampson, 1903a, pp. xx (key) and 652. Type species *Agrotis subrufescens* Walker, 1865; Australia.

aspera Walker, 1857b, p. 601 (*Hadena*)
Australia, Argent [45-48]; HT ♂ unique, BMNH.
Hudson 1939, p. 392, pl. lv fig. 30.
Note. Coastal, from Three Kings Islands ND to NN.

provida Walker, 1858c, pp. 1737–1738 (*Xylina*). Synonymised by Hampson (1903, p. 654).
Auckland AK, D. Bolton; HT ♂ unique, BMNH.
Hudson 1939, p. 392, as synonym.

canescens Walker, 1865b, p. 757 (*Xylina*). Synonymised by Hampson (1903, p. 654).
[Nelson NN], T.R. Oxley; LT ♂ labelled as "Type", BMNH.
Hudson 1939, p. 392, as synonym.
Note. Philpott (1928g, p. 482) erroneously gave the locality of *canescens* as Auckland.

• ***Euxoa*** in the sense of Meyrick (1912b, p. 94)

admirationis Guenée, 1868, p. 38 (*Agrotis*)
[?MC], H.G. Knaggs; HT ♂ unique, BMNH.
Hudson 1898, p. 31, pl. v fig. 37, as *Agrotis admirationis*; 1928, p. 47, pl. vi fig. 7, as *Euxoa admirationis*, after Meyrick (1912b, p. 94).

sericea Butler, 1879a, p. 490 (*Chersotis*). Synonymised by Hampson (1903, p. 173).
Wairarapa WA, J. Lorimer; HT ♂ labelled as "type", BMNH.
Hudson 1898, p. 31, pl. v fig. 38, as species; 1928, p. 47, as synonym.

inconspicua Butler, 1880, p. 545 (*Chersotis*). Synonymised by Hudson (1898, p. 31, with *sericea*); and by Hampson (1903, p. 173, with *admirationis*).
Blenheim MB, W. Skellon; HT ♀ labelled as "Type", BMNH.
Hudson 1898, p. 31; 1928, p. 47; as synonym.

veda Howes, 1906, p. 511 (*Agrotis*). Synonymised by Meyrick (1912b, p. 94).
Motueka NN, W.G. Howes; HT ♂ unique, not located.
Hudson 1928, p. 47, as synonym.

obscura Salmon, 1946, p. 3 (*Euxoa*; as var. of *admirationis*). **New synonymy.**
Arthur riverbed, Milford Sound FD, J.T. Salmon; HT ♂ designated by Salmon, NMNZ.
Note. Dark specimens from GB to SL are present in NZAC; the shape of the orbicular marking is variable in both pale and dark specimens.

cerapachoides Guenée, 1868, p. 39 (*Agrotis*)
[MC], R.W. Fereday; HT ♂ unique, Noctuidae genitalia slide no. 9528 ♂, BMNH.
Hudson 1898, p. 32, pl. vi fig. 1, as *Agrotis cerapachoides*; 1928, p. 47, pl. vii fig. 4, as *Euxoa cerapachoides*, after Hampson (1903, p. 174).

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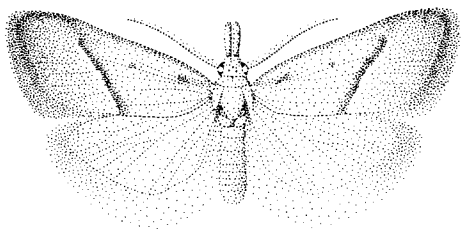
Subfamily NOLINAE

• ***Celama*** Walker, 1865, p. 500. Type species *Celama liparisalis* Walker, by original monotypy.

parvitis Howes, 1917, p. 274 (*Adeixis*)
Harbour Cone, Broad Bay DN, C.E. Clarke; HT ♂ unique, labelled as "Type" by Clarke, AMNZ.
Hudson 1928, p. 44, pl. xliv fig. 7, as *Celama parvitis*, after Philpott (1927a, p. 703).



Noctuidae: Nolinae
(181) *Celama parvitis* Howe

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Subfamily PLUSIINAE
(as in Kitching 1987)

• ***Chrysodeixis*** Hübner, [1821b], p. 252. Type species *Phalaena chalcites* Esper, by subsequent designation (Dyar 1902, p. 81; cited as *Crysodeixia* and *chalcitis*); Italy.

argentifera Guenée, 1852b, pp. 352–353 (*Plusia*)
"Nouvelle Hollande".
New Zealand: a regular, intermittently establishing immigrant (Fox 1978).
Not mentioned by Hudson.

eriosoma Doubleday, 1843, p. 285 (*Plusia*)
Auckland AK, A. Sinclair; HT ♂ unique, BMNH.
Hudson 1898, p. 35, pl. vi fig. 3; 1928, p. 79, pl. x fig. 5; as *Plusia chalcites*.
Note. There are consistent differences in pheromone complement (Benn *et al.* 1982) and morphology between Mediterranean and South-east Asian populations. Kitching (1987, p. 144) notes that there is some evidence of morphological overlap in intermediate areas.

• ***Ctenoplusia*** Dufay, 1970, p. 91. Type species *Plusia limbirena* Guenée, by original designation.

albostriata Bremer & Grey, 1853, p. 18 (*Plusia*)
China.
New Zealand: regular immigrant, probably established and overwintering in northern areas (Fox 1978).
Hudson 1928, p. 80, pl. x fig. 22 and 23, as *Plusia oxygramma* not of Geyer, but in the sense of Meyrick (1912a, p. 105; wrongly ascribed to Hübner).
Note. Meyrick (1909a, p. 5) recorded this species as *Plusia transfixa* Walker. Kitching (1987, p. 145) discusses its generic position and host plants.

• ***Thysanoplusia*** Ichinose, 1973, p. 137. Type species *Phytometra intermixta* Warren, by original designation; China, Japan.

orichalcea Fabricius, 1775, p. 607 (*Noctua*), as in Kostrowicki (1961, p. 395, fig. 44 and 113)
"India, Koenig".
New Zealand: immigrant in large numbers, AK, Feb–May 1984; breeding AK–WO, from 1985 (NZAC).
Not mentioned by Hudson.

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SPECIES OF UNCERTAIN FAMILY POSITION

• ***Lysiphragma*** of authors, but not Meyrick (1888e)

argentaria Salmon, 1948, p. 310, pl. 60 fig. 2 (*Lysiphragma*)
Great Island, Three Kings, E.G. Turbott; HT ♂ unique, AMNZ.
Not mentioned by Hudson.
Note. This species is excluded from Tineidae and Tineoidea on characters of venation (R5 to termen, pterostigma on R2), head scaling (broad, proclinate scales), presence of ocelli, antennal scaling (dorsal only), haustellum (long, locked), labial palpi (lacking bristles), and maxillary palpi (reduced, porrect). The pleural area on abdominal sternite 8 is broad but not lobate. The habitus resembles that of the *Prays* group.

• ***Titanomis*** Meyrick, 1888e, p. 104. Type species *Titanomis sisyrota* Meyrick, by original monotypy.

sisyrota Meyrick, 1888e, p. 104 (*Titanomis*)
[Nelson NN], G.V. Hudson; HT ♀ unique, BMNH.
Hudson 1928, p. 350, pl. xxv fig. 28, in Tineidae.
Note. Hudson (1928, p. 350) stated that the HT was caught in Nelson in 1882. He recorded no specimens from Wellington WN0 Meyrick's label reads "G.V. Hudson Wellington 10.5.85", and there is a Hudson label "27a". *T. sisyrota* has the following characters: a well developed, naked haustellum; 4-segmented, opposed, short maxillary palpi; no ocelli; a densely scaled metanotum; vein *M* in the discal cell forked, tubular in hindwing, vestigial in forewing; forewing discal cell with a chorda; and no tympanic organ on base of abdomen. This combination excludes it from Noctuoidea, but may not exclude it from Cossoidea. Dr P.W. Schoorl (pers. comm.) recently examined the only known male of this species, and could not include it in Cossoidea.

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APPENDIX

Lepidoptera recorded from the Kermadec Islands (29°S, 177°W)

*, Raoul Island type locality
†, recorded once only

Arctiidae
† *Nyctemera a. annulata* (Boisduval). Meyrick 1910
Utetheisa pulchelloides vaga Jordan. Meyrick 1910. NZAC, NMNZ

Blastobasiidae
Blastobasis sp. NZAC

Cosmopterigidae
Cosmopterix attenuatella (Walker). NZAC
Pyroderces aellotricha (Meyrick). Meyrick 1910 (in *Sathrobrota*). NZAC
Pyroderces anarithma Meyrick. NZAC

Geometridae
Chloroclystis testulata (Guenée). Meyrick 1910 (as *Phrissogonus denotatus*, *Chloroclystis indicataria*). NZAC, NMNZ
† *Epicyme rubropunctaria* (Doubleday). Meyrick 1910
**Epyaxa lucidata* (Walker). Meyrick 1910, p. 69 (as *Hydriomena officiosa* Meyrick, new species). NZAC
Phrissogonus laticostatus (Walker). Meyrick 1910. NZAC
Scopula rubraria (Doubleday). Meyrick 1910. NZAC

Glyphipterigidae
† **Glyphipterix scolias* Meyrick, 1910, p. 73. HT unique, ?lost

Gracillariidae
† *Caloptilia octopunctata* (Turner). Meyrick 1910

Lycaenidae
Zizina labradus labradus (Godart). Meyrick 1910

Noctuidae
Acronyctinae
Callopistria maillardi Guenée. Meyrick 1910 (in *Eriopus*). NZAC
Leucocosmia nonagrica (Walker). Meyrick 1910 (as *Caradrina reclusa* Walker). NZAC
Platysenta illecta Walker. Meyrick 1910 (as *Perigea capensis* Guenée). NZAC
Spodoptera litura (Fabricius). Meyrick 1910 (as *Spodoptera littoralis* Boisduval). NZAC

Hadeninae
† *Graphania insignis* (Walker). NMNZ (represented by a single specimen)
Mythimna loreyimima (Rungs). Meyrick 1910 (as *Leucania loreyi* Duponchel). NZAC
Mythimna separata (Walker). Meyrick 1910 (as *Leucania unipuncta* Haworth). NZAC
Tiracola plagiata Walker. Meyrick 1910. NZAC

Heliothinae
Heliothis armigera conferta (Walker). Meyrick 1910. NZAC

Hypeninae
**Hydrillodes surata* Meyrick, 1910, p. 68. NZAC

Hypenodinae
† *Hypenodes gonospilalis* Walker. Meyrick 1910
Schrankia costaestrigalis Stephens. Meyrick 1910. NZAC

Noctuinae
Agrotis ipsilon aneituma (Walker). Meyrick 1910. NZAC
Diarsia intermixta Guenée. NZAC

Catocalinae s.l.
† *Achaea janata* (Linnaeus). Meyrick 1910 (as *Achaea melicerte* Drury)
Anomis flava (Fabricius). NZAC
† *Anticarsia irrorata* Walker. Meyrick 1910 (as *Thermesia rubricans* Boisduval)
† *Hypocala deflorata australasiae* Butler. NZAC
Mocis frugalis Walker. NZAC
† *Mocis trifasciata* Walker. NZAC

Plusiinae
Chrysodeixis eriosoma (Doubleday). Meyrick 1910 (as *Plusia chalcites* Esper). NZAC

Nymphalidae
Bassaris itea Fabricius. Meyrick 1910. NZAC
Danaus plexippus Linnaeus. NZAC
Hypolimnas bolina nerina Felder. Meyrick 1910 (as *Anosia bolina* Linnaeus). NZAC
† *Melanitis leda* Linnaeus. Meyrick 1910
† *Tiramula hamata* Macleay. NZAC

Oecophoridae
Hofmannophila pseudospretella (Stainton). NZAC
**Pachyrhabda antinoma* Meyrick, 1910, pp. 72–73. NZAC

Pterophoridae
† *Sphenarches caffer* Zeller. Meyrick 1910

Pyralidae (in the broad sense)
† "*Botys* sp.". NZAC
Cryptoblabes gnidiella Millière. NZAC
† *Diasemia ramburialis* Duponchel. Meyrick 1910
Diplopseustis perieralis (Walker). NZAC
† **Dracaenura aegialitis* Meyrick, 1910, p. 71
Endotricha mesenterialis in the sense of Meyrick. Meyrick 1910. NZAC
**Eranistis pandora* Meyrick, 1910, p. 70. NZAC
Herpetogramma licarsisalis (Walker). NZAC
Homoeosoma anaspila Meyrick. Meyrick 1910. NZAC

Hymenia recurvalis Fabricius. Meyrick 1910 (as *Hymenia fascialis* Cramer). NZAC
**Scoparia fragosa* Meyrick, 1910, p. 71. NZAC

Sphingidae
Agrius convolvuli (Linnaeus). NZAC

Tineidae
Chloropleca terpsichorella (Busck). NZAC
Erechthias flavostriata Walsingham. Meyrick 1910. NZAC
Monopis sp. nr *ptilophaga* Enderlein. Meyrick 1910 (as *Monopis ethelella* Newman). NZAC
Opogona aurisquamosa Butler. Meyrick 1910. NZAC
Opogona omoscopa (Meyrick). NZAC

Tortricidae
Bactra noteraula Walsingham. Meyrick 1910. NZAC
Capua semiferana complex. Meyrick 1910. NZAC
Crocidosema plebejana Zeller. NZAC
**Polychrosis meliscia* Meyrick, 1910, p. 72
Sperchia intractana Walker. NZAC
**Strepsicrates melanotreta* (Meyrick). Meyrick 1910, p. 72 (as *Spilonota*). NZAC

Yponomeutidae
Rhigognostis sera Meyrick. NZAC
Plutella xylostella Linnaeus. Meyrick 1910. NZAC
Prays sp., *citri* group. NZAC
Prays sp., "brown speckled". NZAC

Note. The status of type material described from Raoul Island by Meyrick (1910) has not been elucidated. No specimens of *Glyphipterix scolias* were found, either in BMNH or NMNZ. Specimens of some species in NMNZ have red circular labels, but these could have been put on by someone other than Meyrick. Some specimens have labels seemingly in Meyrick's writing, but most are apparently in Hudson's hand. There is no doubt concerning the identity of any of the Kermadec species described by Meyrick (1910) in *Trans. N.Z. Inst. 42*, pp. 67-73.

Statistical summary

Total no. of species	69
No. of 'resident' species	50–55
No. of species recorded once only	16
No. not seen since 1908	10
No. recorded by Meyrick (1910)	45
No. not recorded in 1908	24
Immigration/extinction rate (%)	23

(suggesting a typical immigrant fauna; cf. 2–3% for 'mainland' New Zealand, i.e., an order of magnitude less)

TAXONOMIC INDEX

Every name in the Taxonomic Catalogue is indexed. Junior synonyms are in a lighter type than currently valid names. Where a species-group name is listed with more than one genus, its status in each combination may be inferred from the type weight used for the generic name. In the case of synonyms, the combinations of generic and specific name listed are those originally published by authors, and may differ from combinations implicit in current usage.

C

M

N

U

V

W

X

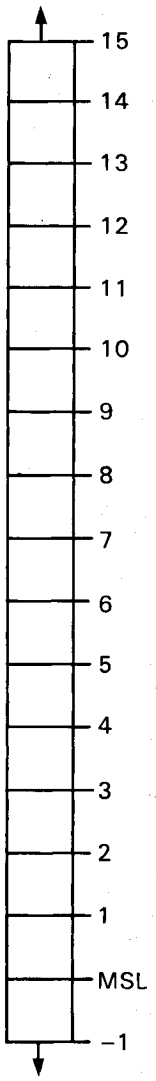
—ꕥ—

ENVOI

"A needless alexandrine ends my song,
Which like a wounded snake drags its slow length along."
–Alexander Pope

—ꕥ—

TAXON :

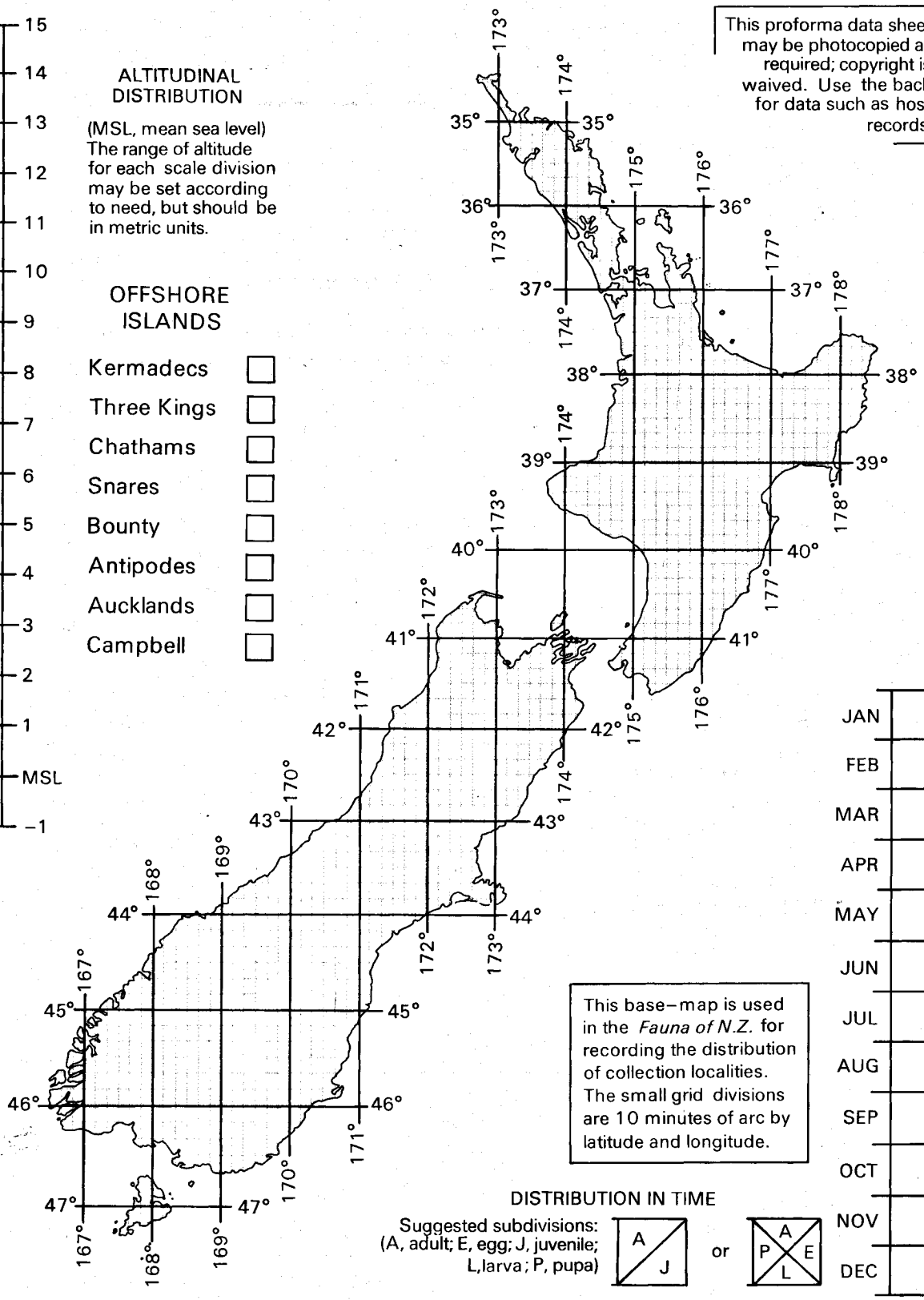


ALTITUDINAL DISTRIBUTION

(MSL, mean sea level) The range of altitude for each scale division may be set according to need, but should be in metric units.

OFFSHORE ISLANDS

- Kermadecs ☐
- Three Kings ☐
- Chathams ☐
- Snares ☐
- Bounty ☐
- Antipodes ☐
- Aucklands ☐
- Campbell ☐

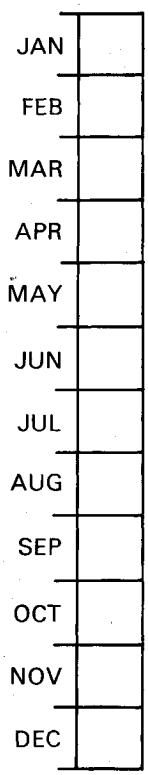


This base–map is used in the *Fauna of N.Z.* for recording the distribution of collection localities. The small grid divisions are 10 minutes of arc by latitude and longitude.

DISTRIBUTION IN TIME

Suggested subdivisions: (A, adult; E, egg; J, juvenile; L,larva; P, pupa)

or



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Fauna of New Zealand

Number 14

Lepidoptera
– annotated catalogue, and keys to family-group taxa

J. S. Dugdale

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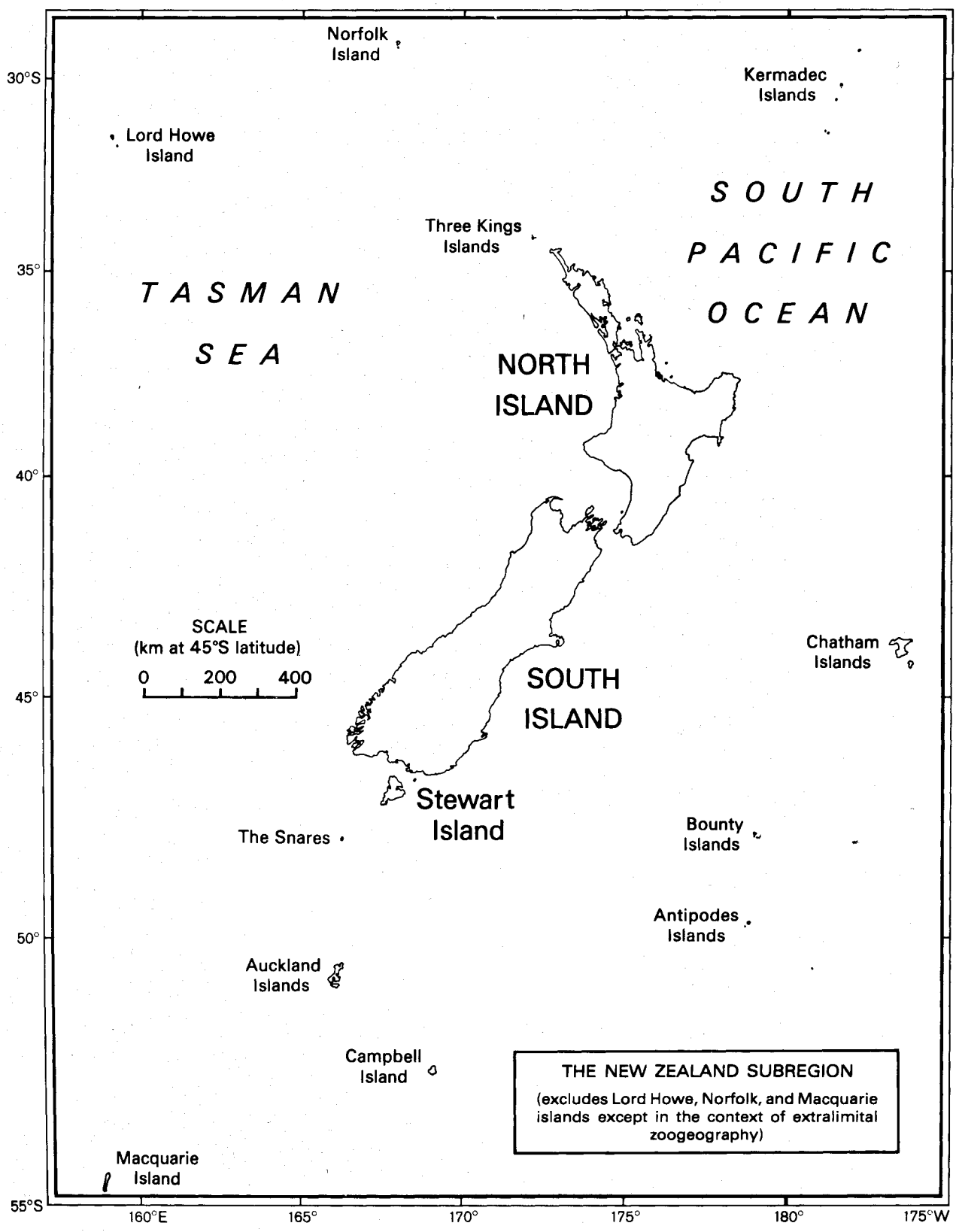
1963–1988



THE NEW ZEALAND SUBREGION

(excludes Lord Howe, Norfolk, and Macquarie islands except in the context of extralimital zoogeography)

North Island

AK – Auckland

BP – Bay of Plenty

CL – Coromandel

GB – Gisborne

HB – Hawkes Bay

ND – Northland

RI – Rangitikei

TK – Taranaki

TO – Taupo

WA – Wairarapa

WI – Wanganui

WN – Wellington

WO – Waikato

South Island

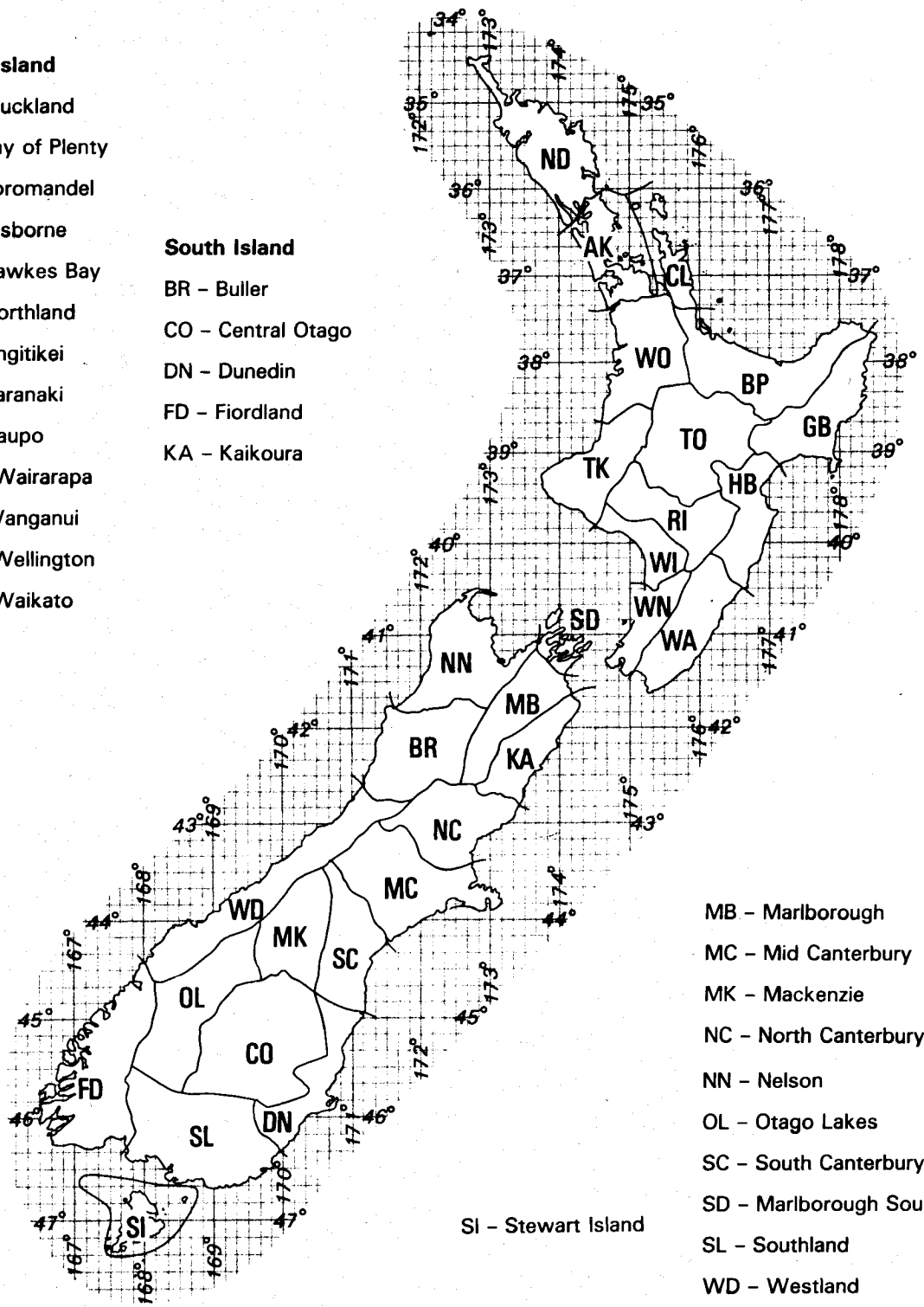
BR – Buller

CO – Central Otago

DN – Dunedin

FD – Fiordland

KA – Kaikoura



MB – Marlborough

MC – Mid Canterbury

MK – Mackenzie

NC – North Canterbury

NN – Nelson

OL – Otago Lakes

SC – South Canterbury

SD – Marlborough Sounds

SL – Southland

SI – Stewart Island

WD – Westland

Area codes and boundaries proposed by Crosby *et al.* (1976) for use with specimen locality data

Fauna of New Zealand

This series of refereed occasional publications has been established with two major objectives: to encourage those with expert knowledge of elements in the New Zealand fauna to publish concise yet comprehensive accounts; and to provide a means of identification accessible to the non-specialist. It will deal with non-marine invertebrates, since the vertebrates are well documented, and marine forms are covered by the series *Marine Fauna of New Zealand*.

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DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, WELLINGTON, NEW ZEALAND

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