

A LIST  
OF  
**MACRO-LEPIDOPTERA**

OCCURRING IN THE  
**NEIGHBOURHOOD OF FOLKESTONE.**

BY  
**H. GUARD KNAGGS, M.D., F.L.S.**

---

PUBLISHED BY THE  
**FOLKESTONE NATURAL HISTORY SOCIETY.**

MDCCCLXX [1870].

PRINTED FOR THE SOCIETY BY  
J. ENGLISH, HIGH STREET, FOLKESTONE.

A LIST OF  
**MACRO-LEPIDOPTERA,**

Occurring in the Neighbourhood of Folkestone.

-----  
BY H. GUARD KNAGGS, M.D., F.L.S.,

Author of "Lepidopterist's Guide." Editor (for Macro-Lepidoptera)  
"Entomologist's Monthly Magazine."

-----

As might be expected from the peculiarity of its geological strata (Lower Chalk and Upper Gault to the east, and the various layers of Lower Greensand to the west of the town), the shelter afforded by hills and valleys with which the neighbourhood is so picturesquely embellished, the varied nature of its Flora, and above all its proximity to the coast of France, Folkestone offers a mine of wealth to the working Entomologist; indeed, there are few districts throughout the United Kingdom which have yielded such an imposing array of novel and rare species, as has done this El Dorado of the British Lepidopterist. By way of illustration let me enumerate a few of the delicacies for which this locality is so justly famed.

First and foremost *Sesia [Pyropteron] chrysidiforinis* [Fiery Clearwing] may be mentioned. This glorious clearwing once based its claim as a Britisher on the authority of a single specimen in the cabinet of Francillon, but not having turned up for many years, was erased from our lists, until Mr. Brewer, a Coleopterist, to whom Lepidopterists have every reason to feel grateful, gladdened our eyes with the sight of a specimen (in 1856) which he had consigned to the undignified depths of his 'bacca box! and thanks to this clue and the practical manner in which collecting is conducted now-a-days, it was not long before the coveted prize found a resting place in most of our collections.

The perfect insect flies for a few hours in the morning sun, disappears towards noon, and re-appears on the wing in the afternoon sunshine. It should be sought for in the Warren on scantily covered flowery chalk banks facing the sea. Its flight, when the insect is not disturbed, somewhat resembles that of a Burnet, but being of a small size, it is easily passed over until the eye becomes familiar with its appearance.

The discovery of its larva, which feeds on the roots of Sorrel and Dock, was made a few years since simultaneously by Mr. E. G. Meek, in the Warren, and M. P. Mabille, in Corsica. The oblong blackish eggs are deposited on the leaves and stalks of its food plants.

Next we have a Bombyx, or rather Pseudo-bombyx, *Clostera anachoreta* [Scarce Chocolate-tip], a handsome addition to our moth fauna of which I was myself the fortunate discoverer. My first acquaintance with the species was made in the larval state; eleven caterpillars, found feeding on Ontario Poplar in one of the plantations along the Lower Sandgate road, producing as many moths; a single female of which became literally the "mother of thousands," so that the "Anchorite" is now in every cabinet. Several other collectors have subsequently taken the larva.

Then comes a Noctua, *Leucania [Mythimna] albipuncta* [White-point], discovered here in 1868, by the Messieurs Briggs, of St. John's, Oxon, who were lucky in securing a couple of examples at sugar; the insect may be known from its congener, *L. lithargyria [Mythimna farrago]* [The Clay], to which it bears considerable resemblance, by its smaller size, its less concolorous appearance, and the greater conspicuity of its white discoidal dot. It is on the wing early in August.

The fourth Folkestone Moth, *Tapinostola Bondii [Photedes morrisii bondii]* [Bond's Wainscot, a form of Morris's Wainscot], a bone-dust-white insect, with wings expanding about an inch and a quarter, presents a curious little historiette of its own. It is certainly astounding that so conspicuous a species should have been flitting freely every afternoon towards dusk in the fashionable month of July, under our very noses, and yet have escaped detection up to 1858, and it is still more surprising that in the eleven years following but two fresh localities, namely Lyme Regis and Mount Parnassus, should have been discovered for a fly so locally abundant in its habitats. Of course it was very hard to believe that a Noctua, of which I had secured and distributed some thousand individuals among brother collectors, could possibly be new to science, and it was therefore not to be wondered at that our great authorities should try every means to sink the name which I had bestowed upon it in honour of my esteemed friend, Frederick Bond. First it was proposed that it would prove to be the *Nonagria concolor [Photedes extrema]* [The Concolorous] of [Achille] Guenée, then that it might be an aberrant form of *Miana arcuosa [Photedes minima]* [Small-dotted Buff], and lastly that it was the *N. extrema [Photedes extrema]* [The Concolorous] of [Jacob] Hübner; this latter theory for a time held ground, until Professor [Philipp] Zeller showed that the figure of *extrema*, by Hübner, and the description by [Georg] Treitschke, could not, by any twisting, be made to fit my insect. After that *Bondii* found itself unmolested for a time; recently, however Colonel Macchio, of the Austrian army, having found the insect on Mount Parnassus, came to the conclusion, after comparing it with the Royal collection at Vienna, that it really was the *extrema* of Hübner after all. Still later, however, Dr. [Otto] Staudinger, of Dresden, has carefully examined both Hübner's and Treitschke's types, and his unimpeachable decision is that *Bondii* is a good new species; and that it is the *concolor* of Guenée, which is identical with *extrema*; so that at last *Bondii* survives, notwithstanding the severity of the tests which have been applied to it. [Indeed both *N. concolor* and *N. extrema* are now known as *Photedes extrema*, with the scientific name 'concolor' surviving in the vernacular name; The Concolorous].

The perfect insect appears from the end of June to the end of July, and inhabits the slopes below St. Mary's Church [St Mary and St Eanswythe's Church]; it is on the wing before dusk, and after a short flight of twenty minutes or half-an-hour, settles down on the leaves and stems of its food plants, where it may be observed by the aid of a lantern, singly and in pairs, and boxed in the usual manner.

The caterpillar feeds in the root end of the stems of a local coast grass, known to botanists as *Festuca arundinacea* [Tall Fescue], wherein it changes to a chrysalis. The eggs which are pale yellowish, are deposited between the leaf sheaths and stems of the food; the little larvae are at first hairy, but become smooth after piercing a layer or two of the plant on their way to the pith.

The next is a Noctua, evidently from the very peculiar pectinated form of its antennae, new to the British list; but unfortunately the only example I secured of it (on the fence near the Junction station early in June, 1861), is in such a dilapidated state, that to identify it is impossible. It appears to belong to the genus *Pachetra*, and from the structure of its antennae one would suspect it to be a visitor at light. Collectors would therefore do well to be on the lookout for it at street lamps, after 11 p.m. in the autumn, or else after hibernation, early in May.

We now come to a singular slender-bodied moth *Aplasta ononaria* [Rest Harrow], the extraordinary larval structure of which is utterly subversive of our notions of a geometric caterpillar. A single specimen of this curious species was discovered by my friend Mr. Bernard Pitfard, in the Warren, amongst *Ononis arvensis* [Field Restharrow], in August, 1867. On the continent, in the neighbourhood of Paris, the insect is attached to *Ononis spinosa* [Spiny Restharrow].

It is double-brooded, and ought to be sought for in May as well as in August and September. Its habit is to fly up as we trample through, or disturb with our beating-stick, the Restharrow. To obtain the larva, which is plump, hairy, and very sluggish, our French friends mow off tufts of the food plant and shake them over a sheet of paper. Two other examples have been secured by Mr. F. Standish, in July of the present season, 1869.

*Spilodes* [*Sitochroa*] *palealis* [Sulphur Pearl]. Folkestone claims the honour of first yielding this delicately beautiful pearl. Several years ago it was met with rather plentifully in the Warren during June and July, but of late has become rare – indeed seems to have disappeared. The species has also been taken at Herne Bay and other watering-places, and one year a stray specimen actually found its way as far inland as Forest Hill. The larva feeds on the umbels of the Wild Carrot and *Peucedanum*, in August and September.

*Lemiodes* [*Psammotis*] *pulveralis* [Scarce Marsh Pearl]. For the addition of this new British genus and species to the Folkestone list of delicacies, we are indebted to the Messrs. Meek, who have this season (1809), secured three examples in the Warren; Mr. Edward Meek had a few weeks previously, however, met with a single individual of the, then, unknown in the Isle of Wight, so that unfortunately our pet locality has not been the first to yield the novelty. [Sir James] Stephens, many years since, gave it as an inhabitant of Great Britain; but, as he omitted it from his Museum Catalogue, and it has not since “entered in the lists,” the present captures must be regarded in the light of a new discovery. The ordinal position of this *Pyralis* in our cabinets will be after the genus *Scopula*. Its time of appearance is August.

*Scoparia ingrattella* is the last novel “Macro” here to be recorded. This species is abundant in the Warren in June and the beginning of July. It may be known from its close ally *S. dubitalis* (*pyralella*) by its larger size, somewhat broader forewings, and by black markings being faint or altogether absent. It should be killed on the spot of capture, otherwise there will be little left to recognise on reaching our home quarters. [This is now considered to have been a form of *Scoparia pyralella*, as confirmed by P. Whalley & M. Tweedie in ‘A revision of the British *Scoparias* (Lepidoptera: *Pyralidae*). Entomologist’s Gazette 14: 81–98’].

Although it is not intended in the present list to include the Micro-Lepidoptera, it might not be out of place to notice some of the chief novelties and rarities of that section.

Firstly, we have *Nyctegretes achatinella* [*Nyctegretis lineana*] [Agate Knot-horn], one of the *Phycidae*, [Pyralidae], an old Folkestone spécialité which has since, or I am much mistaken, occurred in Norfolk.

In the next place *Crambus rorellus* [*Chrysocrambus linetella*] [Orange-bar Grass-veneer] was discovered some ten years since by my friend, Mr. Joseph Sidebotham, of Manchester, on the Lower Sandgate Road, where he secured eight or ten specimens. Previous to these captures a single specimen was said to have occurred, but as no locality had been given for it, and the species did not turn up again, the insect had been eliminated from our lists. This striking *Crambus* has since been met with, by Mr. E. Meek, in the Warren. The time of appearance is early in June.

Of Tortrices, the chaste, *Sciaphila* [Periclepsis] *cinctana* [Dover Twist] discovered twelve years ago by the Rev. Tress Beale, near Alkham, is most conspicuous for its beauty. It has not, to my knowledge, ever occurred in any other British locality. Of late years it has been freely bred by London collectors, who have been assiduous in their search for the larva which feeds on *Echium vulgare* [Viper's Bugloss]. The perfect insect emerges in June or July, and may be met with in a wood, on the left after passing the village of Alkham, amongst the plants named above as its food. It will be well for Tortrix hunters to bear in mind that the favoured time for the flight of their special group is about 6 p.m.

*Catoptria* [Eucosma] *conterminana* [Pale Lettuce Bell] is another Tortrix which Folkestone bears the credit of being the first to yield. Its discovery fell to the share of my friend, Mr. Bond, who secured it on one of the slopes at the commencement of the Warren. It has since been taken by Mr. Machin, at Statford-by-Bow. I have met with the insect to the west of the town early in July. Abroad, it is said, to feed on Aster.

Feeding on that singular plant, the *Hippophae rhamnoides* [Sea Buckthorn] in the Warren, is a *Spilota* allied to *S. ocellana* [Bud Moth], which I have serious intentions of describing shortly under the name *S. hippopaana*. The species is very abundant. [This would appear to have just been a form of *S. ocellana* which is now known to feed on Sea Buckthorn].

Referring to the *Tineina*, it might be remarked that I was fortunate enough to secure, on the Lower Sandgate Road, a little larva on a leaf of *Achillea millifolium* [Yarrow] which duly produced a *Bucculatrix* new to the country, *B. artemisiella* [Wormwood Bent-wing]. The capture was made early in June, some years since [1865], on one of the most boisterous days I ever remember to have experienced even at Folkestone. Of course, its occurrence on a Yarrow leaf was purely accidental; but full-fed *Bucculatrix* larvae have the peculiarity of leaving their food plant to spin up their seed-like cocoons elsewhere. [This remains the only British record of this mainland European species].

Thus, the reader will observe, Folkestone has produced at least a dozen new British species. Besides these, however, many rarities have occurred, and as a taste of the richness of this district may be gathered from the enumeration of a few of them, I purpose taking a special glance before proceeding to the list itself.

*Procris* [Jordanita] *globulariae* [Scarce Forester]. To the two habitats already known for this local species, Mr. [Henry] Ulliyett has added Folkestone, he having met with it in some numbers on Castle Hill in June, 1869. At the same time and place he also captured several *P. [Adscita] geryon* [Cistus Forester].

*Acidalia rubricata* [Scopula rubiginata] [Tawny Wave] was taken in the Warren, beyond the old "Pelter" Brig [TR23 N], by my friend, Mr. J. B. Lynch, at a time when only one other locality (York) was recorded for the species. Since then it has been turned up elsewhere by the Hon. Thomas de Grey and Mr. Bond. [The record appears to relate to 1860, per <https://records.nbnatlas.org>]

*A. [Idaea] rusticata* [Least Carpet]. A few years ago I beat a specimen of this local wave out of a maple tree in the Warren, thereby adding a third to its other two localities. The caterpillar generally feeds on whitethorn.

*A. [Scopula] ornata* [Lace Border]. A lovely "wave" occurring abundantly in the Warren. It is double-brooded, and frequents Marjoram and Thyme. The only other locality given for it in Mr. Stainton's Manual [A Manual of British butterflies and moths, Henry T. Stainton, 1856-59] is Box Hill.

*A. strigilata* [*Scopula nigropunctata*] [Sub-angled Wave] would seem to be almost peculiar to the hollows in the Warren, for although Darenth Wood and Carlisle have been given as localities for it, the insect was certainly of extreme rarity prior to its discovery in this neighbourhood. The imago emerges in July, and may be either beaten out by day or taken on the wing at dusk in its favourite haunt; in this way a goodly number of captures have rewarded hard work. The larva, as far as my experience goes, feeds on the Traveller's Joy, *Clematis vitalba* (upon which I have reared the perfect insect from the egg) and not upon *Stachys sylvatica* [Hedge Woundwort] as generally supposed. [Included in the original as a footnote]: Seeing that this truly local "Wave" has occurred singly in its other two habitats, the species may be set down as a Folkestone spécialité, for there is no other known locality where one would stand even the faintest chance of meeting with it.

*Eupithecia subciliata* [*inturbata*] [Maple Pug]. My friend Mr. McLachlan and I once secured a number of examples of this curious and local Pug in the grounds of Saltwood Castle, and also in Sandling Park, amongst lichen-covered maple trees. Notwithstanding the acquisition of ova, the larva still remains a mystery; but we have no doubt that it will be found to live upon maple.

*Xylophasia* [*Apamea*] *scolopacina* [Slender Brindle]. Mr. McLachlan captured a fine dark example at Saltwood. The species had never previously been met with so far south.

*Agrophila sulphuralis* [*Acontia trabealis*] [Spotted Sulphur]. Mr. Sidebotham some years ago secured a few of this pretty little Noctua on the Lower Sandgate road, where its food plant, [*Convolvulus arvensis*] the Lesser Convolvulus [Field Bindweed] grows in abundance. Hitherto it had only occurred in Suffolk, and, long, long ago, near Cambridge.

*Odontia* [*Cynaeda*] *dentalis* [Starry Pearl]. This quaint looking insect seems confined to Brighton, Deal, and Folkestone. The caterpillar feeds in the stems and roots of *Echium vulgare* [Viper's Bugloss] but spins its cocoon among the dead leaves lying on the ground, where it may be detected without much difficulty.

*Pionea margaritalis* [*Evergestis extimalis*] [Marbled Yellow Pearl]. Cambridge, Ranworth, and Sandown, are its known habitats, but I met with an example in the enclosure beyond the turnpike on the Lower Sandgate Road. The caterpillar feeds on seeds of Wild Mustard.

*Simaethis vibrana* [*Tebenna bjerkandrella*] [Uncertain Twitcher]. Ten years ago I took a fine specimen of this sparkling little gem on the Lower Sandgate Road. This was the fourth known British example, and I have not heard of any recent capture. It is said to affect *Inula* [*Pulicaria*] *dysenterica* [Common Fleabane]. [Agassiz, Beavan and Heckford included this species in their "A checklist of the Lepidoptera of the British Isles" (2013), with the comment that "records of *T. bjerkandrella* are likely to refer to *T. micalis*".]

*Melissoblaptis bipunctanus* (*anella*) [*Aphomia zelleri*] [Twin-spot Honey]. The only locality given for this is Deal, where it used to be taken by the late Peter Bouchard. Mr. Lynch and I have, however, met with a few examples to the west of Folkestone.

*Homoeosoma sinuella* [Twin-barred Knot-horn] is most abundant in the Lower Sandgate Road, although Brighton is the only locality given for it in the Manual. I believe it occurs also in the Isle of Wight.

*Gymnancyla canella* [Hoary Knot-horn]. The only places mentioned for this rarity are Hastings and Folkestone.

*Pempelia ornatella* [Ornate Knot-horn]. This pretty knot-horn is not scarce on the slopes towards Sandgate, in the Warren, and at Alkham. The only other known British locality is Mickleham.

*Sericoris euphorbiana* [*Lobesia occidentis*] [Spurge Marble]. This species was unique until a few specimens were secured in the Warren: – during the last year or two, in consequence of a deeply interesting and suggestive paper in the “Entomologists’ Monthly Magazine,” by Professor Zeller, of Stettin it has been freely bred from Spurge – and it has also been taken in some numbers flying in the sun in the vicinity of its food.

*S. fuligana* (*abscissana*) [*Lobesia abscisana*] [Smoky-barred Marble]. The localities given in the Manual are “near London, in Norfolk, and Folkestone.” It is stated to occur amongst Flea-bane (*Inula*). The species, in the Warren, frequents thistles.

*Stigmonota* (*Selania*) *leplastriana* [Cabbage Piercer]. Deal, Dover, and Folkestone are apparently the only localities for this local species. It frequents the Wild Cabbage.

*Dichrorampha flavidorsana* [Broad-blotch Drill]. This novelty to which I had recently applied the above name, from an examination of specimens captured at Halsemere and Devonshire, appears to be an inhabitant of Folkestone also; an example or two having been captured by my friend, Mr. Howard Vaughan.

*Catoptria* [*Cydia*] *microgrammana* [Rest-harrow Piercer] is a curiously marked little Tortrix, recorded as having occurred at Deal, and also doubtfully stated to have been taken on one occasion near London! It is common enough in June at Folkestone, where it frequents the Rest-harrow, which freely clothes some of the slopes in the Warren, and upon which it doubtless feeds.

*Cochylis* [*Cochylimorpha*] *alternana* [Kentish Conch]. A tolerably common specimen amongst Knapweed (*Centaurea*), but its distribution is apparently confined to Deal, Dover, and Folkestone.

So that besides the dozen novelties before-mentioned, we possess a score of rarities and species so excessively local as to have only one or two other recorded localities.

[Included in the original as a footnote]: Since the foregoing notes were written another great rarity has occurred at Folkestone. T. H. Briggs, Esq. was fortunate enough on October 1st, 1869, to disturb and capture a specimen of *Deiopeia* [*Utetheisa*] *pulchella* [Crimson Speckled] on “the hills at the back of Folkestone.” This was in a turnip field; the usual locality is among stubble; there was, however, a field of barley stubble at no great distance to windward. Strict searching did not produce another specimen.

Two other points and we will proceed to the list.

First – it is very singular that several species, whose food plant is absent, or all but absent, should occur in the Warren; for example *Gonepteryx rhamni* [the Brimstone Butterfly] without Buckthorn (*Rhamnus catharticus* or *frangula*); *Vanessa polychloros* [Large Tortoiseshell] can find but little elm near the old lime kilns; *Lycaena argiolus* [Holly Blue] without holly, but it probably feeds here on ivy; *Acronicta auricoma* [Scarce Dagger] and *Phorodesma* [*Comibaena*] *bajularia* [Blotched Emerald] with only a few sprigs of oak to support them; *Cucullia asteris* [Star-wort], with hardly a handful of *Solidago* [Goldenrods] scattered about its locality; and *Endotrichia flammealis* [Rosy Tabby], where no brake fern that I can find grows.

The other point is the singular richness of the locality in Plume moths; no fewer than eighteen out of the twenty-nine British species inhabiting the neighbourhood of Folkestone.

They are as follows: –

*Pterophorus bertrami* [Gillmeria pallidactyla] [Yarrow Plume]. Not uncommon amongst Yarrow; Lower Sandgate-road, June and July.

*P. trigonodactylus* [Platyptilia gonodactyla] [Triangle Plume]. Amongst Coltsfoot. Warren; June.

*P. [Amblyptilia] acanthadactyla* [Beautiful Plume]. Not uncommon amongst Rest-harrow slopes in the Warren; June and July.

*P. [Oxyptilus] parvidactyla* [Small Plume]. Common amongst the Hawkweed slopes in the Warren; June and July.

*P. [Oxyptilus] pilosellae* [Downland Plume]. Scarce, amongst Hawkweed; June.

*P. phoeodactylus* [Marasmarcha lunaedactyla] [Crescent Plume]. Abundant amongst Rest-harrow; June and July.

*P. [Stenoptilia] bipunctidactyla* [Twin-spot Plume]. Warren; July.

*P. fuscus* [Stenoptilia pterodactyla] [Brown Plume]. Abundant in Warren; June and July.

*P. pterodactyla* [Emmelina monodactyla] [Common Plume]. Sandgate Road; August.

*P. [Oidaematophorus] lithodactyla* [Dusky Plume]. Not scarce amongst Flea-bane; end of June and July.

*P. [Hellinsia] tephrodactyla* [Plain Plume]. Warren, scarce; July.

*P. [Hellinsia] osteodactyla* [Small Golden-rod Plume]. Warren, rare; July.

*P. [Adaina] microdactyla* [Hemp-agrimony Plume]. Abundant amongst Hemp Agrimony; May and June.

*P. [Porritia] galactodactyla* [Spotted-white Plume]. Not scarce amongst Burdock on slopes below Royal Oak; July.

*P. [Merrifieldia] baliodactyla* [Dingy White Plume]. Common in Warren amongst Marjoram; July.

*P. tetradactyla* [Merrifieldia leucodactyla] [Thyme Plume]. Not scarce in Warren amongst Thyme; July.

*P. pentadactyla* [White Plume Moth]. Common in the outskirts of the town amongst Convolvulus; May, June, and July.

*Alucita [hexadactyla] polydactyla* [Twenty-plume Moth]. Common inland, amongst Honeysuckle; August and again after hibernation.

## DIURNI [BUTTERFLIES]

*Leucophasia sinapis* [Wood White]. The Wood White may be met with not uncommonly at Raindean [Reinden] Wood, about three-and-a-half miles on the road to Canterbury. The spring brood is on the wing in May.

*Pieris brassicae* [Large White]. Occurs in the neighbourhood as might be anticipated.

*P. rapae* [Small White]. Occurs in the neighbourhood as might be anticipated.

*P. napi* [Green-veined White]. Occurs in the neighbourhood as might be anticipated.

*P. [Pontia] daplidice* [Bath White]. Used to be captured towards Dover in the days of [Robert] Leplastrier [an entomologist from Dover, died 1846]; but has not I believe, put in an appearance of late years.

*Anthocaris cardamines* [Orange-tip]. In the Warren during May, but more abundantly inland.

*Gonepteryx rhamni* [Brimstone]. In the Warren, but sparingly, in May; more abundantly inland.

*Colias edusa [croceus]* [Clouded Yellow]. Common enough in certain seasons. The variety *helice* has been captured here on several occasions; August and September.

*Colias hyale* [Pale Clouded Yellow]. Very abundant on the Lower Sandgate road, in 1868; August.

*Argynnis aglaja* [Dark Green Fritillary]. Abundant on the downs which run inland from the east of Folkestone; July. Black examples are rare.

*A. adippe* [High Brown Fritillary]. A few specimens flying in company with the foregoing.

*A. [Issoria] lathonia* [Queen of Spain Fritillary]. Two or three examples have been secured in the Warren. It used not to be scarce in some seasons in lucerne fields, at the back of Dover Castle.

*A. [Boloria] euphrosyne* [Pearl-bordered Fritillary]. Taken inland; first brood May and June.

*Melitaea artemis [Euphydryas aurinia]* [Marsh Fritillary]. Raindean [Reinden] Wood; end of May and June.

*M. [Melitaea] cinxia* [Glanville Fritillary]. The undercliff, Lower Sandgate road, where its food plant (*Plantago lanceolata*) [Ribwort Plaintain] abounds; June. It has not been observed of late years.

*Vanessa [Nymphalis] polychloros* [Large Tortoiseshell]. In the Warren; July and August – first noticed and captured in 1859.

*V. urticae* [Small Tortoiseshell]. Occurs in greater or less abundance in the Warren and other places.

*V. io* [Peacock]. Occurs in greater or less abundance in the Warren and other places.

*V. atalanta* [Red Admiral]. Occurs in greater or less abundance in the Warren and other places.

*V. cardui* [Painted Lady]. Occurs in greater or less abundance in the Warren and other places.

*Arge* [*Melanargia*] *galathea* [Marbled White]. Very abundant, both to the east and west of the town; July and August.

*Satyrus* [*Pararge*] *aegeria* [Speckled Wood]. Common inland, borders of woods; May and August.

*S.* [*Lasiommata*] *megea* [Wall]. Common in lanes inland; May and August.

*S.* [*Hipparchia*] *semele* [Grayling]. Common in the Warren and East Downs; August.

*S. janira* [*Maniola jurtina*] [Meadow Brown]. Abundant everywhere.

*S.* [*Pyronia*] *tithonus* [Gatekeeper]. Taken inland and in the Warren. July.

*S.* [*Aphantopus*] *hyperanthus* [Ringlet]. Very abundant on the Warren; July. Some very curious varieties wanting the ringlets on the under surface have been taken.

*Chortobius* [*Coenonympha*] *pamphilus* [Small Heath]. Very abundant in the Warren from June to September.

*Thecla* [*Callophrys*] *rubi* [Green Hairstreak]. On the Warren, near "the long pond"; June.

*Polyommatus* [*Lycaena*] *phlaeas* [Small Copper]. Common on the Warren and Downs; August.

*Lycaena* [*Aricia*] *agestis* [Brown Argus]. Common on the Warren; May and August.

*L. alexis* [*Polyommatus icarus*] [Common Blue]. Common; May and July.

*L. adonis* [*Polyommatus bellargus*] [Adonis Blue]. Abundant on the Downs to the East; May and August.

*L.* [*Polyommatus*] *coridon* [Chalk Hill Blue]. Abundant on the Warren; August.

*L. alsus* [*Cupido minimus*] [Small Blue]. Warren and East Downs; May and August.

*L.* [*Celastrina*] *argiolus* [Holly Blue]. Both broods occur sparingly on the Warren, where it, doubtless, feeds on ivy.

*Syricthus alveolus* [*Pyrgus malvae*] [Grizzled Skipper]. On the Warren; May and August.

*Thanaos* [*Erynnis*] *tages* [Dingy Skipper]. Abundant on the Warren; May and August.

*Hesperia* [*Ochlodes*] *sylvanus* [Large Skipper]. Abundant in the Warren; May & August.

*H. comma* [Silver-spotted Skipper]. I have met with this skipper on the Cliffs towards Dover.

*H. linea* [*Thymelicus sylvestris / lineola*] [Essex / Small Skipper]. Abundant, chiefly in moist places, in the Warren; June and July. [Essex Skipper was not recognised as a separate species until 1889].

[Footnote]: *Papilio machaon* [Swallowtail] has been met with year after year on the East Cliff, Dover, beyond the Castle; but has not, to my knowledge, occurred in the immediate vicinity of Folkestone, though its favourite food (Fennel) is not scarce.

## NOCTURNI

*Smerinthus ocellatus* [Eyed Hawk-moth]. Warren; June.

*S. [Laothoe] populi* [Poplar Hawk-moth]. Not uncommon at light; June.

*Acherontia atropos* [Death's Head Hawk-moth]. Larvae in potato fields, in some seasons plentiful, a few imagoes; September.

*Sphinx [Agrius] convolvuli* [Convolvulus Hawk-moth]. A few in the town gardens; September.

*S. ligustri* [Privet Hawk-moth]. Larvae on Privet; August. Imago flying at dusk; June.

*Deilephila [Hyles] galii* [Bedstraw hawk-moth]. Larva on Bedstraw in Warren; September.

*D. [Hyles] livornica* [Striped Hawk-moth]. Fine specimen taken in Warren, 1869.

*Choerocampa [Hippotion] celerio* [Silver-striped Hawk-moth]. "English's Guide." [There is a record listed without date or details, in English's Guide to Folkestone (1859), edit. S. J. Mackie, to which Knaggs is no doubt referring. Chalmers-Hunt (1968) considered that this related to a record of one found by a child in a garden in Folkestone on 23<sup>rd</sup> October 1849 and exhibited (Douglas, Proc. ent. Soc. Lond., 1849: lxxxvi)]

*C. [Deilephila] porcellus* [Small Elephant Hawk-moth]. Warren. Larvae on Galium; August. Moth at Viper's Bugloss (*Echium*); June.

*Macroglossa stellatarum* [Hummingbird Hawk-moth]. Abundant in certain seasons in the summer months.

*M. bombylifformis [Hemaris tityus]* [Narrow-bordered Bee Hawk-moth]. A few in gardens; May, or early in June.

*Sesia [Pyropteron] chrysidiformis* [Fiery Clearwing]. Not scarce at present in Warren, flying in the sunshine; June and July.

*S. [Bembecia] ichneumoniformis* [Six-belted Clearwing]. Not scarce. It occurs both to the east and west of the town; July.

*S. [Synanthedon] tipuliformis* [Currant Clearwing]. Used to occur freely in the gardens attached to the old "White House," no doubt common in town gardens; June.

*Sesia bembeciformis* [Lunar Hornet Moth]. A fine female example was taken in the Warren whilst in the act of depositing her eggs on Sallow leaves; July.

*Zenzera aesculi [Zeuzera pyrina]* [Leopard Moth] A few stray examples at light; July.

*Hepialus [Phymatopus] hecta* [Gold Swift]. Warren, in moist places; June.

*H. [Triodia] sylvina* [Orange Swift]. Not uncommon in Warren; July and August. Larva feeds in roots of Dock.

*H. humuli* [Ghost Moth]. Abundant; June.

*H. [Korscheltellus] lupulina* [Common Swift]. Common; end of May and June.

*Procris [Adscita] geryon*. [Cistus Forester]. Castle Hill; June.

*P. [Adscita] statices* [The Forester]. Castle Hill; June.

*P. [Jordanita] globulariae* [Scarce Forester]. Castle Hill; June.

*Zygaena trifolii* [Five-spot Burnet]. Near the Cherry Gardens; May.

*Z. filipendulae* [Six-spot Burnet]. Most abundant in Warren; June & July.

*Setina irrorella* [Dew Moth]. Common in Warren towards the shore; June and July.

*Lithosia [Atolmis] rubricollis* [Red-necked Footman]. Raindean [Reinden] Wood; June.

*L. [Eilema] complana* [Scarce Footman]. Not uncommon in Warren; July. Larvae on *Lotus corniculatus* [Bird's-foot Trefoil]; May.

*L. complanula [Eilema lurideola]* [Common Footman]. Warren, a few specimens; July.

*Deiopeia [Utetheisa] pulchella* [Crimson Speckled]. Taken in 1869, at Uphill [Hawkinge].

*Euchelia [Tyria] jacobaeae* [The Cinnabar]. Warren; June and July. Larvae abundant on Ragwort.

*Euthemonia russula [Diacrisia sannio]* [Clouded Buff]. Not scarce in Warren; June.

*Chelonia [Parasemia] plantaginis* [Wood Tiger]. Lady Wood; end of May.

*C. [Arctia] caja* [Garden Tiger]. Common everywhere.

*C. [Arctia] villica* [Cream-spot Tiger]. Not scarce; June.

*Arctia [Phragmatobia] fuliginosa* [Ruby Tiger]. Warren. Fine peculiar dusky varieties.

*A. lubricipeda [Spilosoma lutea]* [Buff Ermine]. Common.

*A. menthastri [Spilosoma lubricipeda]* [White Ermine]. Common at light.

*Liparis [Euproctis] chrysorrhea* [Brown-tail]. Warren; August.

*L. auriflua [Euproctis similis]* [Yellow-tail]. Common in Warren; August.

*L. [Leucoma] salicis* [White Satin Moth]. Common to west of town amongst Poplar.

*Orgyia antiqua* [The Vapourer]. Warren; in July and August.

*Bombyx [Malacosoma] neustria* [The Lackey]. Dover Road, Sandgate Road, &c.; July and August.

*B. [Lasiocampa] quercus* [Oak Eggar]. Common in Warren; July.

*B. [Macrothylacia] rubi* [Fox Moth]. Larvae on East Hills in August and September.

*B. [Lasiocampa] trifolii* [Grass Eggar]. Cocoons under stones in Warren; in August. I do not know to what other species these can be referred.

*Odonestis [Euthrix] potatoria* [The Drinker]. Swarming in larval state in Warren in May.

*Lasiocampa [Gastropacha] quercifolia* [The Lappet]. Warren; June.

*Saturnia carpini [pavonia]* [Emperor Moth]. Warren and Lower Sandgate Road. Larvae on Bramble; August.

---

#### GEOMETRAE

*Ourapteryx sambucaria* [Swallow-tailed Moth]. Warren; common in July.

*Rumia crataegata [Opisthograptis luteolata]* [Brimstone Moth]. Warren; common in June.

*Venilia maculata [Pseudopanthera macularia]* [Speckled Yellow]. Warren; common in May and June.

*Angerona prunaria* [Orange Moth]. Warren, not scarce; July.

*Pericallia [Apeira] syringaria* [Lilac Beauty]. Warren, not scarce; July. Larvae in privet; May.

*Selenia illunaria [dentaria]* [Early Thorn]. At Sallow bloom.

*Crocallis elinguaris* [Scalloped Oak]. In the Warren, and at light in the town.

*Hemerophela [Menophra] abruptaria* [Waved Umber]. In the town amongst lilac.

*Cleora [Cleorodes] lichenaria* [Brussels Lace]. Saltwood, amongst lichen-covered trees; July.

*Boarmia [Alcis] repandata* [Mottled Beauty]. Warren; June and July.

*B. [Peribatodes] rhomboidaria* [Willow Beauty]. Common in the neighbourhood; June.

*Tephrosia [Aethalura] punctulata* [Grey Birch]. Horndean Wood; beginning of June.

*Gnophos [Charissa] obscurata* [The Annulet]. Warren, common; July.

*Geometra papilionaria* [Large Emerald]. Warren, not scarce; July.

*Jodis vernaria [Hemistola chrysoprasaria]* [Small Emerald]. Common amongst Clematis; July.

*J. lactearia* [Little Emerald]. Warren; June.

*Phorodesma [Comibaena] bajularia* [Blotched Emerald]. A few examples in Warren; July.

*Hemithea thymiaria* [*aestivaria*] [Common Emerald]. Common in Warren; June and July.

*Ephyra* [*Cyclophora*] *porata* [False Mocha]. Horndean Wood; May.

*E.* [*Cyclophora*] *punctaria* [Maiden's Blush]. Lady Wood; May.

*E. omicronaria* [*Cyclophora annularia*] [The Mocha]. In Woods amongst Maple; May.

*E. pendularia* [*Cyclophora albipunctata*] [Birch Mocha]. Horndean Wood; May.

*Asthenes luteata* [*Hydrelia flammeolaria*] [Small Yellow Wave]. Warren, scarce amongst Maple; June.

*A. candidata* [*albulata*] [Small White Wave]. Warren and Woods; May and June.

*Acidalia rubricata* [*Scopula rubiginata*] [Tawny Wave]. Warren; July. Beyond the old "Pelter".

*A. scutulata* [*Idaea dimidiata*] [Single-dotted Wave]. Common in Warren; June.

*A.* [*Idaea*] *biselata* [Small Fan-footed Wave]. Abundant. Warren; June and July.

*A.* [*Idaea*] *rusticata* [Least Carpet]. A single example beyond Rakemere Pond; July.

*A.* [*Idaea*] *dilutaria* [Silky Wave]. Abundant along lower Sandgate Road; June and July.

*Acidalia incanaria* [*Idaea seriata*] [Small Dusty Wave]. Common everywhere.

*A.* [*Scopula*] *ornata* [Lace Border]. Common amongst Marjoram, in Warren; May and August.

*A. promutata* [*Scopula marginepunctata*] [Mullein Wave]. Not scarce; lower Sandgate road. Flying and at light.

*A.* [*Scopula*] *immutata* [Lesser Cream Wave]. A few examples in Warren; June.

*A. remutata* [*Scopula floslactata*] [Cream Wave]. Common, Warren and Woods; June.

*A.* *strigilata* [*Scopula nigropunctata*] [Sub-angled Wave]. Warren, not very scarce; July.

*A.* [*Scopula*] *imitaria* [Small Blood-vein]. Warren, not scarce; July.

*A.* [*Idaea*] *aversata* [Riband Wave]. Common, Warren, &c.; June and July.

*A. inornata* [*Idaea straminata*] [Plain Wave]. Warren, not common; July.

*A.* [*Idaea*] *emarginata* [Small Scallop]. Warren; June.

*Timandra amataria* [*comae*] [Blood-vein]. Warren; June.

*Cabera pusaria* [Common White Wave]. Warren and Woods.

*C. exanthemaria* [Common Wave]. Warren, in moist places; June.

*Corycia* [*Lomographa*] *temerata* [Clouded Silver]. Woods in neighbourhood; May and June.

*Macaria notata* [Peacock Moth]. Horndean Wood; June.

*Halia* [*Macaria*] *wauaria* [The V-Moth]. Common in town gardens.

*Sirenia* [*Chiasmia*] *clathrata* [Latticed Heath]. Lucerne fields in neighbourhood; common in beginning of June.

*Panagra petraria* [*Petrophora chlorosata*] [Brown Silver-line]. East hills; May and June.

*Aplasia ononaria* [Rest Harrow]. Three specimens amongst *Ononis* [Rest Harrow], in Warren; July and August.

*Fidonia* [*Ematurga*] *atomaria* [Common Heath]. East Downs; June.

*Aspilates* [*Perconia*] *strigilaria* [Grass Wave]. East Downs; June.

*A. citraria* [*ochrearia*] [Yellow Belle]. Warren, rather scarce; May and August.

*A. gilvaria* [Straw Belle]. Abundant in Warren, amongst coarse grass; July and August.

*Sterrha* [*Rhodometra*] *sacraria* [The Vestal]. Specimens recorded in 1865.

*Abraxas grossulariata* [The Magpie]. Abundant both in town and country; in latter case it feeds on Sloe.

*A. ulmaia* [*sylvata*] [Clouded Magpie]. In Warren; June.

*Ligdia adustata* [Scorched Carpet]. Warren; June.

*Lomaspilis marginata* [Clouded Border]. Warren and Woods; May.

*Larentia* [*Mesotype*] *didymata* [Twin-spot Carpet]. Warren; July.

*L. [Colostygia] pectinataria* [Green Carpet]. Common in Warren; June.

*Emmelesia* [*Perizoma*] *affinitata* [The Rivulet]. Lady Wood; June.

*E. [Perizoma] albutata* [Grass Rivulet]. Warren, amongst *Rhinanthus crista-galli*; June.

*Eupithecia venosata* [Netted Pug]. Larvae in capsules of *Silene inflata* [Bladder Campion], Warren; July.

*E. centaureata* [Lime-speck Pug]. Common in gardens and at light; July.

*E. succenturiata* [Bordered Pug]. Warren, not common; July.

*E. subfulvata* [*icterata*] [Tawny-speckled Pug]. Warren, not common; July.

*E. subumbrata* [Shaded Pug]. Not common, Warren; June.

*E. plumbeolata* [Lead-coloured Pug]. Warren; June.

*E. isogrammata* [*haworthiata*] [Haworth's Pug]. Abundant amongst Clematis, Warren, &c.; June and July.

*E. castigata* [*subfuscata*] [Grey Pug]. Warren; May.

*E. pimpinellata* [Pimpinell Pug], Warren, scarce; in Spring.

*E. campanulata* [*denotata*] [Campanula Pug]. Warren. The larva feeds in Canterbury Bell.

*E. subnotata* [*simpliciata*] [Plain Pug]. Gardens and waste places; July.

*E. vulgata* [Common Pug]. Common; "all about."

*E. expallidata* [Bleached Pug]. Warren, single example; July.

*E. absynthiata* [Wormwood Pug]. Common. Larva on flowers of various plants; August and September.

*E. subciliata* [*inturbata*] [Maple Pug]. Saltwood and Sandling, amongst lichen-covered maples; July.

*E. exigua* [Mottled Pug]. Warren; June.

*E. pumilata* [*Gymnoscelis rufifasciata*] [Double-striped Pug]. Warren and East Hills; May and August.

*E. [Pasiphila] rectangulata* [Green Pug]. Warren; June and July.

*E. coronata* [*Chloroclystis v-ata*] [The V-Pug]. Warren, amongst *Clematis*; August. The species is double-brooded.

*Ypsipetes [Hydriomena] impluviata* [May Highflyer]. Warren; May.

*Y. elutata [Hydriomena furcata]* [July Highflyer], Warren; July. Many beautiful varieties have occurred near the Rakemere Pond.

*Melanthia [Cosmorhoe] ocellata* [Purple Bar]. Warren and Woods; common in June.

*Melanippe [Melanthia] procellata* [Pretty Chalk Carpet]. Warren; June and July. Abundant amongst Clematis.

*M. subtristrata [Epirrhoe alternata]* [Common Carpet]. Warren; June. Not so common as the following.

*M. [Epirrhoe] rivata* [Wood Carpet]. Warren. Common; July.

*M. [Xanthorhoe] montanata* [Silver-ground Carpet]. Warren. Common; August, also in May.

*M. [Epirrhoe] galiata* [Galium Carpet]. Common in Warren in June.

*M. [Xanthorhoe] fluctuata* [Garden Carpet]. Common in the town.

*Anticlea derivata* [The Streamer]. At Sallow bloom.

*Coremia propugnata* [*Xanthorhoe designata*] [Flame Carpet]. Warren; beginning of June.

*C. ferrugata* [*Xanthorhoe spadicearia*] [Red Twin-spot Carpet]. Warren; beginning of June.

*C. unidentaria* [*Xanthorhoe ferrugata*] [Dark-barred Twin-spot Carpet]. Warren; beginning of June. A species distinct from the foregoing.

*Camptogramma bilineata* [Yellow Shell]. Common everywhere.

*C. fluviata* [*Nycterosea obstipata*] [The Gem]. Warren; one specimen in July.

*Phibalapteryx* [*Horisme*] *tersata* [The Fern]. Common amongst *Clematis*; June and July.

*P. lignata* [*Orthonama vittata*] [Oblique Carpet]. "A lot" were taken at Dover two years ago. [Out of area]

*P.* [*Horisme*] *vitalbata* [Small Waved Umber]. Not uncommon amongst *Clematis* in June.

*Scotosia certata* [*Hydria cervinalis*] [Scarce Tissue]. East Downs, not scarce; May.

*S.* [*Hydria*] *undulata* [Scallop Shell]. Lady Wood; June.

*Cidaria* [*Electrophaes*] *corylata* (Broken-barred Carpet). Warren, common; June.

*C. immanata* [*Dysstroma citrata*] [Dark Marbled Carpet]. Warren; July.

*C. achatinata* [*Eulithis testata*] [The Chevron] . Warren; July, in moist places.

*C. fulvata* [Barred Yellow]. Common in Warren; July.

*C.* [*Gandaritis*] *pyraliata* [Barred Straw]. Warren, not scarce; July.

*Pelurga comitata* [Dark Spinach]. Waste places, not scarce; July.

*Eubolia cervinata* [*Larentia clavaria*] [The Mallow]. Lower Sandgate road; larvae abundant on Mallows in June.

*E. mensuraria* [*Scotopteryx chenopodiata*] [Shaded Broad-bar]. Abundant everywhere; August.

*E. palumbaria* [*Scotopteryx mucronata*] [Lead Belle]. East Downs; June.

*E.* [*Scotopteryx*] *bipunctaria* [Chalk Carpet]. Too abundant everywhere.

*E. lineolata* [*Phibalapteryx virgata*] [Oblique Striped]. Warren; July.

*Anaetis* [*Aplocera*] *plagiata* [Treble-bar]. Warren; June – August .

## DREPANULAE

*Platypteryx hamula* [*Watsonalla binaria*] [Oak Hook-tip]. Raindean Wood; May.

*P. falcula* [*Drepana falcataria*] [Pebble Hook-tip]. At light.

*Cilix spinula* [*glaucata*] [Chinese Character]. Raindean Wood and Lady Wood; May and August.

---

## PSEUDO-BOMBYCES

*Dicranura* [*Furcula*] *bifida*. [Poplar Kitten]. Bred from larvae in plantations, Lower Sandgate road.

*D.* [*Cerura*] *vinula* [Puss Moth]. Larvae common in Warren and Lower Sandgate road; July and August.

*Pygoera* [*Phalera*] *bucephala* [Buff-tip]. Larvae abundant in Lower Sandgate road. Moth also common.

*Clostera anachoreta* [Scarce Chocolate-tip]. Larvae between leaves of Ontario Poplar, Lower Sandgate road; June.

*Notodonta* [*Pterostoma*] *palpina* [Pale Prominent]. At light; June.

*N. ziczac* [Pebble Prominent]. Larvae, Lower Sandgate road; June.

*Diloba caeruleocephala* [Figure of Eight]. At light.

---

## NOCTUAE

*Thyatira batis* [Peach Blossom]. Warren, at sugar; June.

*T. derasa* [*Habrosyne pyritoides*] [Buff Arches]. Warren, at sugar; July.

*Bryophila perla* [*domestica*] [Marbled Beauty]. Abundant on old walls and palings; July.

*B. glandifera* [*Nyctobrya muralis*] [Marbled Green]. On old walls; August. Two examples have occurred.

*Acronycta* [*Subacronicta*] *megacephala* [Poplar Grey]. Larvae in Poplar, Lower Sandgate road.

*A. auricoma* [Scarce Dagger]. In larval state the other side of Abbot's Cliff; September (?)

*Leucania* [*Mythimna*] *conigera* [Brown-line Bright-eye]. Common at sugar and flowers; June and July.

*L. lithargyria* [*Mythimna farrago*] [The Clay]. Common at sugar; July.

*L.* [*Mythimna*] *albipuncta* [White-point]. Three examples at sugar; August, 1868.

*L. [Mythimna] impura* [Smoky Wainscot]. At sugar, common.

*L. [Mythimna] pallens* [Common Wainscot]. At sugar, common.

*Tapinostola bondii* [*Photodes morrisii bondii*] [Bond's Wainscot]. Near St. Mary's Church, settled after dusk; end of June to end of July.

*Hydrechia nictitans* [*Amphipoea oculea*] [Ear Moth]. At sugar; West side of Town.

*H. micacea* [Rosy Rustic]. At sugar.

*Axylia putris* [The Flame]. At sugar, Warren.

*Xylophasia rurea* [*Apamea crenata*] [Clouded-bordered Brindle]. At sugar.

*A. lithoxylea* [Light Arches]. At sugar.

*A. sublustris* [Reddish Light Arches]. Common at sugar, Warren; June and July.

*A. polyodon* [*monoglypha*] [Dark Arches]. Too abundant everywhere, at sugar.

*A. scolopacina* [Slender Brindle]. One example at Saltwood, by beating; July.

*Aporophyla australis* [Feathered Brindle]. "English's Guide." [English's Guide to Folkestone (1859). Chalmers-Hunt (1968) includes the same reference but thought the record might be from Deal]. Ought to be taken by sugaring herbage in September.

*Neuria saponarioe* [*Sideridis reticulata*] [Bordered Gothic]. At gas lamps, not scarce; June.

*Pachetra* sp. (?) Fence near Junction station.

*Cerigo cytherea* [*Thalpophila matura*] [Straw Underwing]. At sugar, common; July.

*Luperina testacea* [Flounced Rustic]. One at rest and at light; August.

*Mamestra abjecta* [*Apamea oblonga*] [Crescent Striped]. At sugar; July. Scarce.

*M. [Apamea] furva* [The Confused]. At flowers of Echium, in Warren; July.

*M. brassicae* [Cabbage Moth]. Very common.

*M. [Melanchra] persicariae* [Dot Moth]. Common; June.

*Apamea basilinea* [*sordens*] [Rustic Shoulder-knot]. Common at sugar; June.

*A. oculea* [*Mesapamea secalis*][Common Rustic]. Abundant at sugar; July.

*Miana* [*Oligia*] *strigilis* [Marbled Minor]. Abundant at sugar; June.

*M. [Oligia] fasciuncula* [Middle-barred Minor]. At sugar; June and July.

*M. [Litologia] literosa* [Rosy Minor]. At sugar, not uncommon; June.

*M. [Mesologia] furuncula* [Cloaked Minor]. Abundant, settled on flowers of grass after dusk, and at sugar; June and July.

*M. arcuosa [Photedes minima]* [Small Dotted Buff] Lady Wood; July.

*Grammesia trilinear [Charanyca trigammica]* [Treble Lines]. At sugar; end of May.

*Caradrina morpheus* [Mottled Rustic]. Waste places, at sugar; June.

*C. alsines [Hoplodrina octogenaria]* [The Uncertain]. At flowers of Teucrium, &c., Warren; July.

*C. [Hoplodrina] blanda* [The Rustic]. At flowers of Marjoram, Teucrium, Echium, &c.; July.

*C. cubicularis [clavipalpis]* [Pale Mottled Willow]. At flowers, &c.; June to August.

*Rusina tenebrosa [ferruginea]* [Brown Rustic]. Warren, at sugar; June.

*Agrotis puta* [Shuttle-shaped Dart]. At sugar; August.

*A. suffusa [ipsolon]* [Dark Sword-grass]. At sugar; September.

*A. [Peridroma] saucia* [Pearly Underwing]. Has been taken occasionally at sugar in September

*A. segetum* [Turnip Moth]. Common at sugar; June.

*A. exclamationis* [Heart and Dart]. Common at sugar; June.

*A. corticea [clavis]* [Heart and Club]. Common at sugar; July. Some fine dark varieties have occurred.

*A. cinerea* [Light Feathered Rustic]. Warren. Scarce; June.

*A. [Euxoa] nigricans* [Garden Dart]. At sugar; June.

*A. [Standfussiana] lucernea* [Northern Rustic]. At flowers of Teucrium, &c.; July.

*Triphaena ianthina [Noctua janthe]* [Lesser Broad-bordered Yellow Underwing]. At sugar and flying at dusk; July and August.

*T. [Noctua] interjecta* [Least Yellow Underwing]. Flying wildly before dusk, common in Warren; August.

*T. [Noctua] comes* [Lesser Yellow Underwing]. Common at sugar; July.

*T. [Noctua] pronuba* [Large Yellow Underwing]. Abundant at sugar.

*Noctua [Ochroleura] plecta* [Flame Shoulder]. At sugar; June.

*N. [Xestia] c-nigrum* [Setaceous Hebrew Character]. At sugar; July.

*N. [Diarsia] brunnea* [Purple Clay].

*N. [Xestia] baja* [Dotted Clay]. Common; July.

*N. [Xestia] xanthographa* [Square-spot Rustic]. Abundant; August.

*Toeniocampa [Orthosia] gothica* [Hebrew Character]. At Sallow bloom.

*T. [Cerastis] rubricosa* [Red Chestnut]. At Sallow bloom.

*T. instabilis [Orthosia incerta]* [Clouded Drab]. At Sallow bloom.

*T. stabilis [Orthosia cerasi]* [Common Quaker]. At Sallow bloom.

*T. [Orthosia] gracilis* [Powdered Quaker]. At Sallow bloom.

*T. [Anorthoa] munda* [Twin-spotted Quaker]. At Sallow bloom.

*T. [Orthosia] cruda* [Small Quaker]. At Sallow bloom.

*Orthosia [Agrochola] lota* [Red-line Quaker]. At sugar, Warren; September.

*Auchocelis pistacina [Agrochola lychnidis]* [Beaded Chestnut]. At ivy bloom and sugar.

*Cerastis spadicea [Conistra ligula]* [Dark Chestnut]. Common at ivy bloom.

*Scopelosoma satellitia [Eupsilia transversa]* [The Satellite]. At sugar; Autumn.

*Xanthia cerago [Cirrha icteritia]* [The Sallow]. At Sallow bloom.

*Eremobia ochroleuca* [Dusky Sallow]. On heads of *Centaurea* [Knapweeds] by day; July.

*Dianthoecia carpophaga [Hadena perplexa]* [Tawny Shears].

*D. capsincola [Hadena bicruris]* [The Lychnis]. Warren, at flowers; June, and in larval state.

*D. cucubali [Sideridis rivularis]* [The Champion]. Larvae common in capsules of *Silene inflata* [Bladder Champion]; July and August.

*Hecatera dysodea* [Small Ranunculus]. Flying at dusk, larva feeds on *Sonchus*.

*H. serena [bicolorata]* [Broad-barred White]. On palings in neighbourhood; June.

*Miselia [Allophyes] oxyacanthae* [Green-brindled Crescent]. At sugar and ivy bloom.

*Phlogophora meticulosa* [Angle Shades]. Common everywhere.

*Euplexia lucipara* [Small Angle Shades]. At sugar, common.

*Aplecta [Polia] nebulosa* [Grey Arches]. At sugar.

*Hadena dentina* [*Hada plebeja*] [The Shears]. At sugar; June and July.

*H. chenopodii* [*Anarta trifolii*] [The Nutmeg]. Flying at dusk and at sugar; June.

*H.* [*Lacanobia*] *oleracea* [Bright-line Brown-eye]. Larvae on Rest Harrow.

*H. genistae* [*Lacanobia w-latinum*] [Light Brocade]. At sugar, scarce; beginning of June.

*Xylocampa lithorhiza* [*areola*] [Early Grey]. May.

*Calocampa* [*Xylena*] *exsoleta* [Sword-grass]. A larva taken.

*Cucullia verbasci* [The Mullein]. Larvae common on Mullein and Water Betony, in the Warren.

*C. asteris* [Star-wort]. One specimen flying in sunshine, Warren; June.

*C. umbratica* [The Shark]. At rest on herb stems, Warren; June.

*Heliothis marginata* [*Pyrrhia umbra*] [Bordered Sallow]. Flying at dusk over Rest Harrow, at sugar, &c.; June.

*H. peltigera* [Bordered Straw]. Has been taken in Warren, but is scarce.

*H.* [*Helicoverpa*] *armigera* [Scarce Bordered Straw]. A worn specimen (hibernated) flying in June. It should be looked for in Autumn.

*H. dipsacea* [*viriplaca*] [Marbled Clover]. In Warren, not common; July.

*Agrophila sulphuralis* [*Acontia trabealis*] [Spotted Sulphur]. Enclosure beyond turnpike [presumably at the Lower Sandgate Road]; June.

*Acontia* [*Tyta*] *luctuosa* [The Four-spotted]. Clover fields; June and August. Not scarce.

*Erastria fuscula* [*Deltote pygarga*] [Marbled White Spot]. One specimen in Warren; June.

*Plusia orichalcea* [*Diachrysia chryson*] [Scarce Burnished Brass]. "English's Guide." [English's Guide to Folkestone (1859). Chalmers-Hunt (1968) considered it probable that its inclusion in the guide related to a series of records from Kingsdown]. Its food plant, the Hemp Agrimony, is common enough. The insect should be sought for at flowers in August.

*Plusia* [*Diachrysia*] *chrysitis* [Burnished Brass]. A few specimens in Warren; August.

*P.* [*Autographa*] *gamma* [Silver Y]. Too abundant.

*Gonoptera* [*Scoliopteryx*] *libatrix* [The Herald]. At ivy and sugar.

*Amphipyra tragopogonis* [Mouse Moth]. At sugar; July.

*Mania* [*Morpho*] *maura* [Old Lady]. At sugar, in out-houses, &c.; August.

*M.* [*Naenia*] *typica* [The Gothic]. Larvae on nettles; Autumn and spring.

*Toxocampa [Lygephila] pastinum* [The Blackneck]. Warren; June. Scarce.

*Catocala nupta* [Red Underwing]. At sugar; July and August.

*Euclidia mi* [Mother Shipton]. In Warren, common; June.

*E. glyphica* [Burnet Companion]. Warren, common; June and July.

*Phytometra oenea [viridaria]* [Small Purple Barred]. Warren, common; June.

---

#### DELTOIDES

*Hypena proboscidalis* [The Snout]. Too abundant in the Warren in the summer months.

*H. rostralis* [Buttoned Snout]. At sugar; September.

*Hypenodes [Schranksia] costaestrigalis* [Pinion-streaked Snout]. One in the Warren.

*Rivula sericealis* [Straw Dot]. Common in the Warren; July.

*Herminia barbalis [Pechipogo strigilata]* [Common Fan-foot]. In the Warren; June.

*H. grisealis* [Small Fan-foot]. In Warren, common.

---

#### PYRALIDES

*Odontia [Cynaeda] dentalis*. Warren, scarce; July and August. Pupae in dead leaves of Echium; June and July.

*Pyralis fimbrialis [Hypsopygia costalis]* [Gold Triangle]. Out-houses in July and August.

*P. farinalis* [Meal Moth]. Out-houses, not uncommon.

*P. [Hypsopygia] glaucinalis* [Double-striped Tabby]. At sugar a few specimens.

*Cledeobia angustalis [Synaphe punctalis]* [Long-legged Tabby]. Lower Sandgate road; July.

*Pyrausta punicealis* [Small Purple & Gold] [tbc] [tbc]. Warren, common, flying in sunshine; summer months.

*P. purpuralis* [Common Purple & Gold]. Warren, frequents Wild Thyme; May and August.

*P. ostrinalis* [Scarce Purple & Gold]. Warren, common; July.

*Herbula cespitalis [Pyrausta despicata]* [Straw-barred Pearl]. Common; east and west of town.

*Ennychia cingulalis* [*Pyrausta cingulata*] [Silver-barred Sable]. Near Sandgate. Scarce.

*E. anguinalis* [*Pyrausta nigrata*] [Wavy-barred Sable]. Warren, common over Thyme; June.

*Endotricha flammealis* [Rosy Tabby]. Warren, near Rakemere Pond. Scarce; August.

*Cataclysta lemnalis* [*lemnata*] [Small China-mark]. Ponds in neighbourhood; June.

*Hydrocampa* [*Elophila*] *nymphaeata* [Brown China-mark]. Long Pond, common; July.

*H. stagnalis* [*Parapoynx stratiotata*] [Ringed China-mark]. Long Pond, not common; July.

*Botys* [*Paratalanta*] *pandalis* [Bordered Pearl]. Warren; June.

*B. flavalis* [*Udea lutealis*] [Pale Straw Pearl]. Warren, scarce; July.

*B.* [*Paratalanta*] *hyalinalis* [Translucent Pearl]. Warren, scarce; July.

*B. verticalis* [*Pleuroptya ruralis*] [Mother of Pearl]. Warren, much too abundant.

*B.* [*Anania*] *lancealis* [Long-winged Pearl]. Warren, not scarce; July and August.

*B.* [*Anania*] *fuscalis* [Cinereous Pearl]. Warren, scarce; June.

*B. urticalis* [*Anania hortulata*]. Warren, common; July.

*Ebulea* [*Anania*] *crocealis* [*Ochreous Pearl*]. Warren, rather common amongst *Inula*; July.

*E.* [*Anania*] *verbascalis* [Golden Pearl]. Warren, common; June.

*E. sambucalis* [*Anania coronata*]. Warren, very common; June.

*Pionea* [*Evergestis*] *forficalis* [Garden Pebble]. Warren and in gardens, common.

*P. margaritalis* [*Evergestis extimalis*] [Marbled Yellow Pearl]. Enclosure beyond turnpike [presumably at the Lower Sandgate Road] one example; June end.

*Spilodes* [*Loxostege*] *sticticalis* [Diamond-spot Pearl]. Not uncommon in certain seasons beyond the old "Pelter Brig;" July and August. Also occurs on Lower Sandgate road.

*S.* [*Sitochroa*] *palealis* [Sulphur Pearl]. Not uncommon ten or twelve years ago in the Warren, seems to have disappeared of late; temp. July and August.

*S. cinctalis* [*Sitochroa verticalis*] [Lesser Pearl]. A few in Warren; July.

*Scopula* [*Udea*] *olivalis* [Olive Pearl]. Warren, common; June and July.

*S.* [*Udea*] *prunalis* [Dusky Pearl]. Warren, common.

*S.* [*Udea*] *ferrugalis* [Rusty-dot Pearl]. Warren, common; August and September.

*Lemiodes [Psammotis] pulveralis* [Scarce Marsh Pearl]. Three specimens in Warren; August.

*Stenopteryx hybridalis [Nomophila noctuella]* [Rush Veneer]. Warren and elsewhere. At times considerably too common.

*Scoparia ambigualis* [Common Grey]. Warren; June.

*S. cembrae [Scoparia subfusca]* [Large Grey]. Warren; June.

*S. ingratella [Scoparia pyralella]* [Meadow Grey]. Abundant in Warren; July.

*S. [Eudonia] lineola* [White-line Grey]. One specimen Lower Sandgate Road; July.

*S. [Eudonia] mercurella* [Small Grey]. Common.

*S. crataegella [Eudonia lacustrata]* [Little Grey]. Lower Sandgate Road; July.

*S. [Eudonia] augustea* [Narrow Grey]. Several taken in an out-house by Mr. Vaughan.

-----

*Additions or corrections to this list will be gladly received by H. Ulyett, Hon. Sec. Folkestone.*

-----

*Printed by J. English, High Street, Folkestone.*