

To borrow a footballing cliché 2016 was a year of two halves, a cool and damp spring/early summer gave few good opportunities for trapping and low moth totals, by contrast late summer and autumn often provided ideal conditions. Despite this late-season boost, totals for the year ended up below the average from previous years. Excluding *Silver Y's* fluttering around an injured Cristiano Ronaldo during the European Championship final, in press terms the highlight of the moth-year was a spring invasion of *Diamond-back* moths from the continent. Normally these emerge in Britain in small numbers later in the year, but their arrival so early and in such large numbers was very bad news for vegetable growers. In Rutland we recorded two counts of over fifty, and one of over twenty, in June. The only moth-count in excess of two hundred was of *Setaceous Hebrew Character* at Eyebrook Reservoir. Of all macro-moths just three (*Currant Pug*, *Vapourer* and *Small Purple-barred*) had not also been recorded in 2015.

The main list includes reports from two Oakham gardens. My garden, trapped twelve times, recorded 67 macro and 21 micro moths – all excluded since Stamford is out-of-County. Two traps set in countryside, at Essendine railway banks and Stretton Wood yielded macro/micro moth counts of 57/53 and 12/3 respectively. Moths from these sites are reported separately (pages 6 and 7).

This is my first annual report as your moth recorder and I have slightly changed the format by splitting the moths into family groups, indicating their most likely season of occurrence, and giving the highest count recorded in one trap or field session. The flight season can only be a guide because so much depends on weather conditions, and some moths are also multi-brooded emerging anytime from spring onwards. There is also a movement towards the greater use of common names for micro-moths, so, using Mark Cocker's book *Claxton*, I have added a number that are not usually mentioned in standard reference books.

Two training courses held at Rutland Water in the year, will hopefully increase the number of local recorders. I would also encourage anyone wishing to find out more about moths to explore the *NatureSpot* website which also has useful onward links.

MACRO MOTHS

	HEPIALIDAE			
<i>Hepialus sylvina</i>	Orange Swift	Oak	summer	2
<i>H. lupulinus</i>	Common Swift	EBR, Oak	spring	41
	ZYGAENIDAE			
<i>Zygaena filipendulae</i>	Six-spot Burnet	BOQ, KQ, RWEgl	summer	2
	DREPANIDAE			
<i>Cilix glaucata</i>	Chinese Character	RWLynd	summer	1
	GEOMETRIDAE			
<i>Alsophila aescularia</i>	March Moth	EBR, RWEgl	spring	1
<i>Hernithea aestivaria</i>	Common Emerald	Oak	summer	1
<i>Timandra griseata</i>	Blood-vein	RWLynd	summer	1
<i>Idaea biselata</i>	Small Fan-footed Wave	Oak	summer	1
<i>I. dimidiata</i>	Single-dotted Wave	Oak, RWLynd	summer	2
<i>I. aversata</i>	Riband Wave	Oak, RWLynd	summer	13

<i>Xanthorhoe spadicearia</i>	Red Twin-spot Carpet	RWLynd	spring	1
<i>X. montanata</i>	Silver-ground Carpet	CQ, EBR, RWLynd	spring	25
<i>X. fluctuata</i>	Garden Carpet	Oak, RWLynd	summer	1
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	Oak, RWLynd	summer	1
<i>Epirrhoe alternata</i>	Common Carpet	RWEgl	summer	1
<i>Campptogramma bilineata</i>	Yellow Shell	HM, RWLynd	spring	1
<i>Anticlea badiata</i>	Shoulder Stripe	RWEgl, RWLynd	spring	5
<i>A. derivata</i>	Streamer	RWLynd	spring	1
<i>Eulithis prunata</i>	Phoenix	EBR	summer	1
<i>E. pyrallata</i>	Barred Straw	RWLynd	summer	3
<i>Chloroclysta truncata</i>	Common Marbled Carpet	Oak, RWLynd	autumn	1
<i>Cidaria fulvata</i>	Barred Yellow	Oak	summer	2
<i>Colostygia pectinataria</i>	Green Carpet	Oak, RWLynd	autumn	3
<i>Hydriomena furcata</i>	July Highflyer	RWLynd	summer	1
<i>Epirrita dilutata</i>	November Moth	Oak	autumn	2
<i>Eupithecia assimilata</i>	Currant Pug	EBR	summer	1
<i>E. vulgata</i>	Common Pug	Oak	spring	1
<i>E. abbreviata</i>	Brindled Pug	EBR, RWEgl, RWLynd	spring	1
<i>Chloroclystis rectangulata</i>	Green Pug	Oak	summer	3
<i>Odezia atrata</i>	Chimney Sweeper	CQ, LFP, RWEgl	spring	1
<i>Abraxas grossulariata</i>	Magpie	Oak	summer	1
<i>Lomaspilis marginata</i>	Clouded Border	CQ, Oak, RWLynd	spring	1
<i>Semiothisa clathrata</i>	Latticed Heath	CQ	spring	10
<i>Opisthograptis luteolata</i>	Brimstone	Oak, RWEgl, RWLynd	autumn	4
<i>Ennomos ainaria</i>	Canary-shouldered Thorn	RWEgl	summer	1
<i>E. fuscantaria</i>	Dusky Thorn	Oak, RWLynd	autumn	7
<i>Selenia dentaria</i>	Early Thorn	Oak, RWEgl	spring	1
<i>S. tetralunaria</i>	Purple Thorn	RWLynd	summer	1
<i>Crocallis elinguaris</i>	Scalloped Oak	RWLynd	summer	4
<i>Ourapteryx sambucaria</i>	Swallow-tailed Moth	Oak	summer	3
<i>Lycia hirtaria</i>	Brindled Beauty	EBR	spring	1
<i>Biston strataria</i>	Oak Beauty	EBR	spring	1
<i>B. betularia</i>	Peppered Moth	Oak	summer	1
<i>Peribatodes rhomboidaria</i>	Willow Beauty	Oak	summer	3
<i>Ematurga atomaria</i>	Common Heath	CQ	spring	1
<i>Cabera pusaria</i>	Common White Wave	Oak, RWEgl	summer	1
<i>C. exanthemata</i>	Common Wave	RWLynd	summer	1
<i>Lomographa temerata</i>	Clouded Silver	Oak	spring	1

SPHINGIDAE

<i>Sphinx ligustri</i>	Privet Hawkmoth	EBR, Oak	summer	1
<i>Mimas tiliae</i>	Lime Hawkmoth	Oak	summer	1
<i>Smerinthus ocellata</i>	Eyed Hawkmoth	EBR	summer	1
<i>Laothoe populi</i>	Poplar Hawkmoth	EBR, RWLynd	summer	5
<i>Macroglossum stellatarum</i>	Hummingbird Hawkmoth	Lydd, Man	summer	1
<i>Deilephila elpenor</i>	Elephant Hawkmoth	Oak	summer	2

NOTODONTIDAE

<i>Phalera bucephala</i>	Buff-tip	Oak	summer	1
<i>Notodonta dromedaries</i>	Iron Prominent	Oak	spring	1
<i>Pheosia tremula</i>	Swallow Prominent	RWLynd	summer	1
<i>Pterostoma palpina</i>	Pale Prominent	RWEgl	summer	1

LYMANTRIIDAE

<i>Orgyia antiqua</i>	Vapourer	Lang	spring	1
<i>Calliteara pudibunda</i>	Pale Tussock	Oak	spring	1

<i>Euproctis similes</i>	Yellow-tail	Oak, RWLynd	summer	2
<i>Leucoma salicis</i>	White Satin	Oak	summer	1
<i>Lymantria monacha</i>	Black Arches	RWLynd	summer	1
ARCTIIDAE				
<i>Cybosia mesomella</i>	Four-dotted Footman	RWeg	summer	1
<i>Eilema griseola</i>	Dingy Footman	Oak	summer	1
<i>E. complana</i>	Scarce Footman	Oak, RWLynd	summer	3
<i>E. lurideola</i>	Common Footman	Oak, RWLynd	summer	4
<i>Spilosoma luteum</i>	Buff Ermine	Oak	spring	3
<i>Tyria jacobaeae</i>	Cinnabar Moth	BOQ, CQ, Oak, Ryll, Wg	spring	6
NOLIDAE				
<i>Nola cucullatella</i>	Short-cloaked Moth	Oak	summer	1
NOCTUIDAE				
<i>Agrotis exclamationis</i>	Heart and Dart	Oak	summer	11
<i>Axyilia putris</i>	Flame	Oak	summer	2
<i>Ochropleura plecta</i>	Flame Shoulder	Oak	summer	1
<i>Noctua pronuba</i>	Large Yellow Underwing	EBR, Oak, RWLynd	autumn	169
<i>N. comes</i>	Lesser Yellow Underwing	Oak, RWLynd	autumn	7
<i>N. fimbriata</i>	Broad-bordered Yellow Underwing	Oak, RWLynd	autumn	1
<i>N. janthina</i>	Lesser Broad-bordered Yellow Underwing	Oak, RWLynd	autumn	7
<i>Diarsia mendica</i>	Ingrailed Clay	RWLynd	spring	1
<i>D. rubi</i>	Small Square-spot	RWLynd	spring	2
<i>Xestia c-nigrum</i>	Setaceous Hebrew Character	EBR, Oak, RWLynd	autumn	254
<i>X. triangulum</i>	Double Square-spot	Oak	summer	1
<i>X. xanthographa</i>	Square-spot Rustic	Oak, RWLynd	autumn	2
<i>Melanchra persicariae</i>	Dot Moth	Oak	summer	3
<i>Lacanobia oleracea</i>	Bright-line Brown-eye	Oak	summer	2
<i>Orthosia cruda</i>	Small Quaker	EBR, RWEgl	spring	4
<i>O. gracilis</i>	Powdered Quaker	RWeg	spring	1
<i>O. stabilis</i>	Common Quaker	EBR, RWEgl	spring	33
<i>O. incerta</i>	Clouded Drab	EBR, RWEgl	spring	13
<i>O. muncia</i>	Twin-spotted Quaker	RWEgl	spring	1
<i>O. gothica</i>	Hebrew Character	EBR, RWEgl	spring	30
<i>Mythimna conigera</i>	Brown-line Bright-eye	Oak	summer	2
<i>M. impure</i>	Smoky Wainscot	Oak	summer	2
<i>M. pallens</i>	Common Wainscot	Oak, RWLynd	summer	3
<i>M. comma</i>	Shoulder-striped Wainscot	Oak	summer	1
<i>Lithophane semibrunnea</i>	Tawny Pinion	EBR	spring	1
<i>L. social</i>	Pale Pinion	RWEgl	spring	1
<i>L. leautieri</i>	Blair's Shoulder-knot	Oak	autumn	2
<i>Dryobotodes eremita</i>	Brindled Green	RWLynd	autumn	1
<i>Eupsilia transversa</i>	Satellite	RWEgl	spring	1
<i>Conistra vaccinii</i>	Chestnut	EBR	spring	1
<i>Agrichola litura</i>	Brown-spot Pinion	Oak	autumn	1
<i>Atethmia centrigo</i>	Centre-barred Sallow	RWLynd	autumn	9
<i>Omphaloscelis lunosa</i>	Lunar Underwing	Oak	autumn	3
<i>Acronicta aceris</i>	Sycamore	Oak	summer	1
<i>A. leporine</i>	Miller	Oak	summer	1
<i>A. sp.</i>	Dagger sp.	Oak, RWLynd	summer	6
<i>A. rumicis</i>	Knot Grass	RWLynd	summer	1
<i>Cryphia domestica</i>	Marbled Beauty	Oak	summer	10
<i>Amphipyra pyramidea</i>	Copper Underwing	RWLynd	autumn	3

<i>Amphipyra tragopogonis</i>	Mouse Moth	RWLynd	autumn	1
<i>Euplexia lucipara</i>	Small Angle Shades	Oak	summer	1
<i>Phlogophora meticulosa</i>	Angle Shades	Oak, RWLynd	autumn	2
<i>Cosmia trapezina</i>	Dun-bar	RWLynd	summer	3
<i>Apamea monoglypha</i>	Dark Arches	Oak, RWLynd	summer	4
<i>A. crenata</i>	Clouded-bordered Brindle	RWLynd	spring	2
<i>Oligia strigilis</i>	Marbled Minor	Oak	spring	2
<i>Mesoligia furuncula</i>	Cloaked Minor	Oak	summer	1
<i>Mesapamea secalis</i>	Common Rustic	Oak, RWLynd	summer	5
<i>Eremobia ochroleuca</i>	Dusky Sallow	Pilt	summer	1
<i>Luperina testacea</i>	Flounced Rustic	Oak	autumn	2
<i>Hydraecia micacea</i>	Rosy Rustic	Oak	autumn	3
<i>Archanara sparganii</i>	Webb's Wainscot	Oak	autumn	1
<i>Hoplodrina alsines</i>	Uncertain	Oak, RWLynd	summer	4
<i>H. blanda</i>	Rustic	Oak	summer	4
<i>Caradrina morpheus</i>	Mottled Rustic	RWLynd	summer	2
<i>Bena bicolorana</i>	Scarce Silver-lines	Oak	summer	1
<i>Pseudolips fagana</i>	Green Silver-lines	Oak	summer	1
<i>Diachrysia chrysitis</i>	Burnished Brass	Oak, RWLynd	autumn	1
<i>Autographa gamma</i>	Silver Y	GtCast, Oak	summer	3
<i>A. pulchrina</i>	Beautiful Golden Y	Oak	spring	1
<i>Catocala nupta</i>	Red Underwing	RWLynd	summer	1
<i>Callistege mi</i>	Mother Shipton	BOQ	spring	1
<i>Euclidia glyphica</i>	Burnet Companion	GtCast, RWLynd, Wg	spring	1
<i>Phytometra viridaria</i>	Small Purple-barred	KQ	spring	1
<i>Laspeyria flexula</i>	Beautiful Hook-tip	Oak	summer	1
<i>Rivula sericealis</i>	Straw Dot	Oak	summer	3
<i>Hypena proboscidalis</i>	Snout	Oak	summer	3
<i>Herminia tarsipennalis</i>	Fan-foot	Oak	summer	2

MICRO MOTHS

	YPONOMEUTIDAE			
<i>Yponomeuta rorrella</i>	Willow Ermine	EBR	summer	1
	PLUTELLIDAE			
<i>Plutella xylostella</i>	Diamond-back Moth	EBR, MThorpe, Oak	spring	71
	OECOPHORIDAE			
<i>Crassa unitella</i>	Tinted Tubic	Oak	summer	1
<i>Hofmannophila pseudospretella</i>	Brown House-moth	Oak	summer	1
	CHIMABACHIDAE			
<i>Diurnea fagella</i>	–	EBR	spring	2
	BLASTOBASIDAE			
<i>Blastobasis adustella</i>	Dingy Dowd	Oak	summer	1
	ELACHISTIDAE			
<i>Agonopteryx heracliiana</i>	–	RWEgl	spring	1
	COSMOPTERIGIDAE			
<i>Limnaecia phragmitella</i>		Oak	summer	6
	TORTRICIDAE			
<i>Agapeta hamana</i>	Hook-marked Straw Moth	Oak, RWLynd	summer	2
<i>Pandemis cerasana</i>	Barred Fruit-tree Tortrix	Oak	summer	1

<i>Aphelia paleana</i>	Timothy Tortrix	Oak	summer	1
<i>Epiphyas postvittana</i>	Light Brown Apple Moth	Oak	summer	7
<i>Lozotaenia forsterana</i>	–	Oak	spring	1
<i>Ditula angustiorana</i>	Red-barred Tortrix	Oak	spring	1
<i>Pseudargyrotoza conwagana</i>	–	Oak	summer	1
<i>Acleris forsskaleana</i>	Maple Button	Oak	summer	2
<i>A. variegana</i>	Garden Rose Tortrix	Oak	summer	1
<i>A. literana</i>	–	EBR	spring	1
<i>Celypha striana</i>	–	Oak	summer	5
<i>C. lacunana</i>	Common Marble	Oak	summer	3
<i>Ancylis achatana</i>	–	Oak	summer	1
<i>Epiblema uddmanniana</i>	Bramble Shoot Moth	Oak	summer	1
<i>Eucosma cana</i>	–	Oak	summer	1
<i>Cydia pomonella</i>	Codling Moth	Oak	summer	1
ALUCITIDAE				
<i>Alucita hexadactyla</i>	Twenty-plume Moth	Oak	summer	1
CRAMBIDAE				
<i>Chrysoteuchia culmella</i>	Garden Grass-veneer	Oak	summer	22
<i>Crambus pascuella</i>	Grass-veneer	Oak	summer	1
<i>Agriphila tristella</i>	Common Grass-veneer	Oak	summer	1
<i>A. inquinatella</i>	–	Oak	summer	1
<i>Catoptria falsella</i>	Chequered Grass-veneer	Oak	summer	1
<i>Elophila nymphaeata</i>	Brown China-mark	LFP	spring	7
<i>Eudonia pallida</i>	–	Oak	summer	1
<i>E. mercurella</i>	–	Oak	summer	2
<i>Cataclysta lemnata</i>	Small China-mark	RWLynd	spring	1
<i>Pyrausta purpuralis</i>	–	KQ	spring	1
<i>Eurrhyncha hortulata</i>	Small Magpie	Oak	summer	4
<i>Pleuroptya ruralis</i>	Mother of Pearl	Oak	summer	1
PYRALIDAE				
<i>Hypsopygia glaucinalis</i>	Double-striped Tabby	Oak	summer	1
<i>Endotricha flammealis</i>	Rosy Tabby	Oak	summer	1
<i>Aphomia sociella</i>	Bee Moth	Oak, RWLynd	summer	1
<i>Myelois cribrella</i>	Thistle Ermine	Oak	summer	1
PTEROPHORIDAE				
<i>Pterophorus pentadactyla</i>	White Plume Moth	Ryll	spring	1

(22 July, 18 August)

MACRO MOTHS

Beautiful Hook-tip
Blackneck
Bright-eye (17)
Brimstone (2)
Brown Scallop
Brown-line
Buff Arches (2)
Chinese Character (2)
Clay (12)
Cloaked Minor (3)
Clouded Border
Common Carpet (2)
Common Footman (7)
Common Rustic (4)
Common Wainscot (2)
Coronet
Dark Arches (8)
Dingy Footman (11)
Dot Moth (4)
Double Square-spot
Dusky Sallow (10)
Early Thorn
Flame Shoulder (2)
Flounced Rustic
Garden Carpet
Ghost Moth
Green Pug
Heart and Dart (2)
Knot Grass
Large Emerald
Large Yellow Underwing (2)
Lesser Broad-bordered Yellow Underwing (7)
Light Arches
Maple Prominent
Mottled Beauty
Mottled Rustic
Muslin Footman (2)
Poplar Hawkmoth
Red Twin-spot Carpet (2)
Riband Wave (15)
Ruby Tiger (13)
Scalloped Oak
Scarce Footman (31)
Scorched Carpet
Setaceous Hebrew Character
Shaded Broad-bar (4)
Small Fan-footed Wave (7)
Smoky Wainscot (7)

Snout (2)
Spectacle
Square-spot Rustic (7)
Straw Dot (2)
Straw Underwing (2)
Uncertain (5)
Willow Beauty
Yellow Shell
Yellow-tail

MICRO MOTHS

Agapeta hamana (2)
Agapeta zoegana (4)
Agonopterix kaekeritziana
Agriphila geniculea
 A. inquinatella
 A. straminella (2)
 A. tristella
Beautiful China-mark
Bird Cherry Ermine
Blastobasis adustella (2)
 B. lacticolella
Bramble Shoot Moth
Bud Moth
Catoptria falsella (9)
 C. pinella
Celypha lacunana (2)
 C. striana (3)
Chrysoteuchia culmella (10)
Clepsis consimilana (2)
Cochylimorpha straminea (3)
Cochyli atricapitana (2)
 C. dubitana
Crambus perlella (2)
Dark Fruit-tree Tortrix (2)
Diamond-back Moth (3)
Dipleurina lacustrata (2)
Endothenia gentianaeana
 E. flammealis (3)
Epagoge grotiana
Eucosma campoliliana
Eucosma cana (11)
 E. conterminana
Eudonia lacustrata (2)
 E. mercurella
Garden Rose Tortrix
Gold Triangle (2)
Hedya ochroleucana
Helcystogramma rufescens

Homoeosoma sinuella (10)
Large Fruit-tree Tortrix
Light Brown Apple Moth
Marbled Orchard Tortrix
Metzneria metzneriella (2)
Mother of Pearl (2)
Phycitodes binaevella (2)
Pyrausta purpuralis
Ringed China-mark
Scoparia ambigualis (2)
S. subfusca
Small Magpie
Udea prunalis
Water Veneer (200)
White Plume Moth

Stretton Wood SK 954 169 (6 May)

MACRO MOTHS

- Brindled Pug
- Common Quaker (2)
- Frosted Green
- Pale Prominent
- Powdered Quaker
- Red-green Carpet
- Ruby Tiger
- Scalloped Hook-tip
- Small Quaker
- Streamer
- Water Carpet
- Waved Umber (2)

MICRO MOTHS

- Acleris cristana*
- A. hastiana* (2)
- Caloptilia stigmatella*

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