

The RUTLAND NATURAL HISTORY SOCIETY was founded in February 1965 and now has over 300 members. The objects of the Society are to further the cause of Natural History, to study, record and help preserve Rutland's wildlife in particular, to meet and exchange information with other bodies, and to encourage people to take an interest in wild-life and its conservation. The Society organises monthly field outings to places of interest both inside and outside the County, holds indoor meetings on the first Tuesday of each month between October and April, publishes a newsletter, *Fieldfare*, six times a year, and an *Annual Report*, and maintains a Website (www.rnhs.org.uk).

NB Sightings are documented; Recorders or Secretary may be contacted for details.

Contents

Officers, Committee and Recorders	2
Chairman's Report	3
Treasurer's Report	4
Weather Report	6
Amphibian and Reptile Report	7
Bird Report	8
Bird notes	8
Wildfowl and Wader counts	16
Botany Report	20
Roadside Verge Nature Reserves	24
Roadside verge map	29
Entomology	30
Lepidoptera Report	30
Orthoptera Report	40
Plant Gall Report	45
Insects and others	47
Glow-worm Report	52
Mammal Report	53
Bat Report	57
Mycology Report	60
RNHS indoor and field meetings	64
Items for loan to RNHS members	71
Site abbreviations	72
List of Recorders and contributors	<i>inside front cover</i>

Cover drawing of Little Ringed Plovers (see p.10), also drawings on pages 18, 19, 56, by Chris Park

Printed by Lonsdale Printing, Wellingborough

Rutland Natural History Societywww.rnhs.org.uk

President	Sir Clifford Boulton	2 Main Street, Lyddington, LE15 9LT 01572 823487
Chairman	Ann Tomlinson	River House, 9 Aldgate, Ketton, PE9 3TD 01780 721622 tomlinson@riverhouse9.freeserve.co.uk
Hon. Life members	Sir David Davenport Handley, J. R. Stapleton, Mrs J. Stapleton, P. Rudkin, C. R. Jones, G. Kirk	
Hon. Secretary	Linda Worrall	6 Redland Close, Barrowden, LE15 8ES 01572 747302
Hon. Treasurer	Martin Grimes	2 Kings Road, Stamford PE9 1HD 01780 762535 martindgrimes@yahoo.com
Hon. Auditor	Canon R. Tovey	
Committee Members	Mrs L. Biddle, Mrs G. Chiverton, Mrs J. Harris, J. Nourish, A. Lear	
Membership Secretary	Graham Worrall	6 Redland Close, Barrowden, LE15 8ES 01572 747302 worrall6redland@talktalk.net
Programme Secretary	Dawn Whitefield	Dairy Cottage, 33 Somerby Road, Knossington LE15 8LY 01664 454578 dawn@whitefield34.plus.com
Website and Publicity	Peter Scott	15 Ancaster Way, North Luffenham, LE15 8LH 01780 720724 peter.scott27@btinternet.com
Fieldfare and AR Editor	Hendrina Ellis	Old Hunt's Maltings, Water Street, Stamford PE9 2NJ 01780 482048 hendrina@efgh.demon.co.uk

RECORDERS

Amphibians and reptiles	Dr Charles Gallimore	The Stone House, Reeves Lane, Wing LE15 8SD 01572 737343 chasgall@hotmail.com
Bats	Jenny Harris	41 Woodland View, Oakham, LE15 6EJ 01572 755274 jharris@lrwt.org.uk
Birds	Terry Mitcham	30 Sutherland Way, Stamford, PE9 2TB 01780 751268 joterpat@btinternet.com
Botany	Graham Worrall	6 Redland Close, Barrowden, LE15 8ES 01572 747302 worrall6redland@talktalk.net
Butterflies and moths	Jean & Ron Harvey	4 Clarkesdale, Great Easton, LE16 8SP 01536 770259 jean-harvey@realemail.co.uk
Glow-worms	Linda Worrall	6 Redland Close, Barrowden, LE15 8ES 01572 747302 worrall6redland@talktalk.net
Insects and others	Gill Chiverton	20 Victoria Rd, Stamford, PE9 1HB 01780 753820 gill.chiverton@googlemail.com
Mammals	Linda Biddle	21 Waverley Gardens, Stamford PE9 1BH 01780 762108 abiddle21@talktalk.net
Mycology	Linda Worrall	6 Redland Close, Barrowden, LE15 8ES 01572 747302 worrall6redland@talktalk.net
Orthoptera	Phil Rudkin	10 Brooke Avenue, Stamford PE9 2RU 01780 762998 phil.rudkin@talktalk.net
Plant galls	Roy Lemmon	87 Empingham Road, Stamford, PE9 2SU 01780 762051 jill.lemmon@talktalk.net

CHAIRMAN'S REPORT 2010

Once again, it's time to report on a successful year. Our indoor and outdoor meetings have been varied and rewarding. I am always impressed by the hardiness of members who turn up in bad weather and good – and that's just for our indoor meetings! During the winter of 2009/2010 we suffered some disruption to our events from snow and ice, but even in the bad weather this winter I am glad to say we have come through well.

My report is generally based on saying 'thank you', and this year is no exception. I'll start with our Programme Secretary Dawn Whitefield, who has worked hard to make sure we have plenty to interest and entertain. I'm sure we all have our favourite events of the year. My own is an evening walk at Long Drove RSPB reserve near Whittlesey on a June evening; a magical few hours filled with birds.

The rest of the Committee of course deserve our thanks – in particular Graham Worrall as Membership Secretary, Martin Grimes our Honorary Treasurer, Hendrina Ellis as *Fieldfare* and *Annual Report* Editor, and Peter Scott for his help on many things, and especially the website. I also want to thank our Recorders, who work hard each year to collate all our sightings of wildlife and transform them into readable reports and valuable data. Our thanks also to Mike Iannantuoni for providing last year's posters – Mike has now left the area and so this will be his last set of posters. Thanks also to Chris Park for our Annual Report cover picture, Canon Tovey for being the Independent Reviewer of the Society's accounts for the last many years, and Shirley Hope for keeping us refreshed with teas and coffees of all varieties.

We see from this succession of thanks how reliant the Society is upon help from its members, and this brings me to the main subject of my report this year. The RNHS remains a financially strong organisation with a healthy membership base. But we are beginning to struggle with what is known in management-speak as 'capacity'. We have benefited greatly over the years from wonderful volunteers, many of whom have held posts in the Society. But there comes a point when people need to have a rest, and we are coming to a stage now where we are likely to lose quite a lot of our capacity over quite a short period. It's a natural process, but to keep this Society vibrant we need to replace those who retire with new people willing to have a go.

This could be on the Committee or helping our official Recorders, or preparing refreshments, or setting up equipment at our indoor meetings, or helping to proof-read our various publications. There are all sorts of ways to help. It doesn't have to be much, but any assistance would be welcomed, and will help the Society keep going in the efficient and effective way it has for many years.

I make no apologies for saying that without this help to replace the resource we will naturally lose over a short period of time, the Society will struggle to maintain its standards.

This is a heartfelt plea from me and the Committee for you to consider what you may be able to do for the RNHS. There will be a fuller description of what help is needed in *Fieldfare*. Do read it; do consider what you can provide. Your Society *really* does need you.

Ann Tomlinson



A Long Drove sunset

TREASURER'S REPORT FOR 2010

Part one of the Accounts shows the income at the top followed by the expenditure. The comparative figures for 2007-2009 are shown on the left.

Comparisons with the previous years have to ignore income and expenses in respect of field trips.

The subscription income has increased slightly and the interest from the building society deposit has now been received.

The total running expenses have gone down because of various savings.

Overall we have made a surplus of £1672 but we have made no substantial donations or equipment purchases.

The Reserves section shows we have over £13000 in the bank and building society.

Martin Grimes

Rutland Natural History Society

Income and Expenditure Account for Year Ended 31st December 2010

2007	2008	2009		2010	
			INCOME		
			Membership		
2804	2731	2812	Subscriptions for year	2890	
558	582	542	Gift Aid tax refund	572	3462
			Meetings		
57	82	31	Refreshments	71	
32	56	30	Visitors' donations	36	
400	102	530	Field trips		107
			Other Income		
55	10		Donations	25	
374	341	10	Interest	348	
7	30	15	Sundry		
	865		Legacies		373
4287	4799	3970	Total Income		3942
			EXPENDITURE		
			Activities & Meetings		
326	326	323	Hall hire & caretaker	308	
16	11	28	Refreshments	3	
280	265	347	Speakers & films	217	
370	100	668	Field trips		528
			Publications		
687	624	593	Fieldfare printing	658	
198	202	174	Fieldfare distribution	248	
480	510	324	Annual report printing	390	
204	148	115	Annual report distribution	96	
	112		Record card printing		
67	65	66	Programme card printing	60	1452

2007	2008	2009		2010
			OTHER EXPENSES	
397	187	135	Insurance	135
85	35	122	Postage,stationery & equipment	70
112	50	30	Website & publicity	45
30	30	30	Membership of other bodies	40
107	2154	50	Donations & gifts	290
3359	4819	3005	Total Expenditure	2270
928	-20	965	Surplus for Year	1672

			RESERVES	
9493	10421	10401	Balance brought forward	11366
928	-20	965	Add/deduct surplus/deficit for year	1672
10421	10401	11366	Balance carried forward	13038
			(includes £2000 Insurance Contingency Reserve)	
			Represented by	
9795	10131	11139	Melton Mowbray Building Society	11485
1502	1099	1094	LloydsTSB Bank	1526
	135	135	Insurance paid in advance	135
			Gift Aid tax refund	572
-876	-964	-1002	Less Subs paid in advance	-680
10421	10401	11366		13038
			Other Assets not in above	
			Microphone equipment	336
			Display boards, lectern etc.	276
			Awards for All purchases	3020
			Ground positioning units	324
				3956

Martin Grimes, Treasurer. 21/02/11

The above Accounts are in accordance with the records produced to me.

R Tovey 29/03/11

WEATHER REPORT 2010

A marked aspect of this year's weather has been the preponderance of winds from the north, anywhere between NW and NE, whereas the opposite, S to W, is more usual. This has meant that there were cold periods especially in the opening and closing months and snow in January and February and also in November and memorably in December. Nationally this was the coldest year overall since 1986 and only 9 years in the past 100 were colder.

Roy Lemmon

Legends and abbreviations

1 = temperature min = night minimum in the month max = daytime maximum in the month
2 = rainfall LTM = long term mean

January

1 Min -4.8 °C on 5th; max 8.2 °C on 17th.
 Mean min -0.4 °C; mean max 3.69 °C.
2 Total 57.2 mm. 117% of LTM.
Nationally the 9th coldest January in 100 years.

February

1 Min -3.7 °C on 20th; max 10.0 °C on 5th and
 25th. Mean min 0.13 °C; mean max 5.59 °C.
2 Total 63.7 mm. 162% of LTM.
A wet month with snow on 18th and 20th. It soon went.

March

1 Min -6.9 °C on 7th; max 16.7 °C on 18th.
 Mean min 2.27 °C; mean max 11.14 °C.
2 Total 40.3 mm. 108% of LTM.
*An average month with low temperatures in the first
third balanced by high ones in the remainder.*

April

1 Min -1.6 °C on 21st; max 20.5 °C on 24th.
 Mean min 4.19 °C; mean max 16.04 °C.
2 Total 22.2 mm. 49.4% of LTM.
A sunny month but a noticeable absence of April showers.

May

1 Min -1.5 °C on 12th; max 28.9 °C on 23rd.
 Mean min 5.79 °C; mean max 18.75 °C.
2 Total 19.9 mm. 39.4% of LTM.
A 'high pressure' month with corresponding low rainfall.

June

1 Min 4.9 °C on 1st; max 29.6 °C on 27th.
 Mean min 10.14 °C; mean max 22.76 °C.
2 Total 46.7 mm. 88.8% of LTM.
A warm, dry and sunny month.

July

1 Min 9.0 °C on 5th; max 30.5 °C on 9th.
 Mean min 13.3 °C; mean max 24.4 °C.
2 Total 35.1 mm. 61.5% of LTM.
*Winds finally turned to the SW for the first time this year
but sunshine was at a premium, as was rainfall.*

August

1 Min 4.6 °C on 30th; max 26.3 °C on 9th.
 Mean min 11.23 °C; mean max 21.49 °C.
2 Total 135.1 mm. 227% of LTM.
A dull, wet month.

September

1 Min 4.8 °C on 17th; max 23.0 °C on 1st and
 22nd. Mean min 9.69 °C; mean max 19.07 °C.
2 Total 48.8 mm. 95.9% of LTM.
*An episodic month, winds northerly or nil initially and
again 24th to 28th, otherwise SW-W.*

October

1 Min -0.1 °C on 25th; max 19.7 °C on 10th.
 Mean min 6.78 °C; mean max 14.39 °C.
2 Total 44.2 mm. 70.7% of LTM.
*Again episodic, the month started with generally
southerly winds, then a middle cooler northerly period
and a warmer end.*

November

1 Min -9.1 °C on 27th; max 16.0 °C on 4th.
 Mean min 1.96 °C; mean max 8.25 °C.
2 Total 46.0 mm. 79.8% of LTM.
*A very warm start but a very cold end to the month, with
snow.*

December

1 Min -10.5 °C on 6th; max 9.1 °C on 11th.
 Mean min -2.93 °C; mean max 2.52 °C.
2 Total 22.9 mm. 39.7% of LTM.
*Nationally the coldest December for 120 years. The
minimum on the 6th is the lowest I have noted since I
started recording in 1993. The precipitation was as snow,
which persisted.*

ANNUAL RAINFALL

Total 586.0 mm. 97.5% of my LTM.

AMPHIBIAN AND REPTILE REPORT 2010

Although all eight species of amphibian and reptile were seen during 2010, sightings of most species were fewer than in recent years. This may be in part due to less intense searching round Rutland Water. No new sites were discovered for any species.

Dr C. H. Gallimore

Common Frog *Rana temporaria*

Frogs were recorded from 17 sites in 10 parishes (Barrowden, Empingham, Great Casterton, Greetham, Ketton, Leighfield, Little Casterton, North Luffenham, Oakham and Wing). Breeding was recorded in only 6 parishes (Barrowden, Great Casterton, Leighfield, Little Casterton, Oakham and Wing).

The first live record of the year was at the end of January from Barrowden. The first spawn was noted in Little Casterton on 10th March, followed a week later in Barrowden, Great Casterton and elsewhere. Spawning appeared to be finished by 28th March apart from in a field pond in Wing, which is usually later than elsewhere, in which fresh spawn was seen on 6th April.

The last observation of the year was on 30th October in Barrowden where frogs were heard croaking.

Common Toad *Bufo bufo*

Toads were recorded from 12 sites in 8 parishes (Brooke, Exton, Horn, Ketton, Leighfield, Stretton, Whissendine and Wing). Breeding occurred in Leighfield and Wing. Leighfield provided the first observation of the year on 21st March as well as the last on 27th October.

The record from Stretton of a dead toad in a pond in August is the first record from Stretton for over 10 years.

Smooth Newt *Triturus vulgaris*

Smooth Newts were recorded from 6 sites in 6 parishes (Barrowden, Empingham, Leighfield, North Luffenham, Stretton and Wing). They were first recorded on 20th March in a pond in North Luffenham, although a cellar-dweller had been observed in Wing on 4th February. The last record was on 10th August in Stretton.

Smooth Newts have not been recorded in North Luffenham for over 15 years, so the provision of a new pond has been beneficial.

Great Crested Newt *Triturus cristatus*

Great Crested Newts were only recorded from 4 sites in 4 parishes (Beaumont Chase, Empingham, Stretton and Wing). The first ones were seen in Wing on 22nd March and the last at Stretton on 11th May.

Both species of newt were under-recorded in 2010 as the ponds in Rutland Water Nature Reserve were not examined, partly due to the construction work and partly due to observer inertia.

Viviparous Lizard *Zootoca vivipara*

Lizards were only recorded from 2 parishes (Ketton and Tickencote). In Ketton Quarry they were seen from 8th April to 31st August at a number of different locations and young were observed. They were also seen at a number of different areas in Bloody Oaks.

Slow Worm *Anguis fragilis*

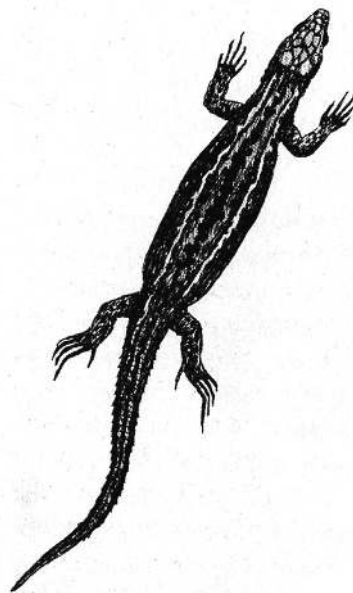
Slow Worms were only recorded from Clipsham this year. However after a gap of 7 years this is reassuring. One was seen on 22nd June and 25th July.

Grass Snake *Natrix natrix*

Grass Snakes were recorded from 13 sites in 10 parishes (Barrowden, Braunston, Burley, Empingham, Exton, Ketton, Langham, Leighfield, Oakham and Wing). The first record was on 9th April in Exton and the last on 10th October in Leighfield.

Adder *Vipera berus*

Adders were recorded from Ketton Quarry on 4 occasions between 6th April and 22nd June, two being seen on the last occasion.



BIRD REPORT 2010

Recent developments at Rutland Water certainly paid off this year with the addition of two species to the county list – Buff-breasted Sandpiper and Broad-billed Sandpiper. Other notable waders were Dotterel, Kentish Plover, Lesser Yellowlegs and Grey Phalarope, with Avocets recorded on several occasions.

Members continued to survey tetrads for the BTO Atlas during the breeding season and in both winter periods, and the Beaumont Chase Farm CBC was completed for the nineteenth year. It was encouraging to receive records from gardens across Rutland whilst some members continued to contribute to local wildfowl counts.

Of the scarcer species Nightingales still maintained a limited presence in woodland, with Yellowhammers and Corn Buntings still in decline. Ravens were widely reported across the county and Little Egrets also continued to expand, with several winter records. A Cattle Egret at Eyebrook may herald the next wave of colonisation by southern herons.

Terry Mitcham

See also Wildfowl and Wader Counts on pages 16–19. Abbreviations, see page 72.

Mute Swan Bred at RW, EBR, FHP and the Oak Canal at Ash. 111 were at EBR on 11th July.

Bewick's Swan In Dec there were three at EBR (2nd) and 22 at RW (19th). 32 flew over RW dam on 21st.

Whooper Swan There were ten at RW(Egl) on 9th Feb and nine in the North Arm on 11th Feb. Two flew over Bden on 10th March. Up to eight were noted on single Oct dates from 20th at both reservoirs. Two were at RW on 15th Dec with five noted on 21st Dec, when there was a large flock of forty at EBR.

Wild Swans Twenty unidentified wild swans flew over Park House, Norm, on 10th Jan.

Black Swan One was at Holywell Lake on 19th Dec.

Pink-footed Goose One was with Greylags at EBR in early Jan. Three were at RW (South Arm and Egl) between 16th March and 22nd April. Passage flocks were noted in autumn as follows: c.250 east over Strett on 20th Oct and 45 west and 120 east at FHP on 21st Nov. Two flew west at RW(Egl) on 17th Dec.

White-fronted Goose Five were at RW on 9th Jan with six on 13th–15th. Two were at EBR on 30th Jan and 1st Feb with one on 2nd. Two were at RW(South Arm) on 16th March. In Dec 24 were at RW(Whit/Norm) between 21st and 26th.

Greylag Goose In the first winter period, FHP birds peaked at 161 on 6th March. Bred at Ext Park, FHP, RW and EBR. 36 flew over Stock on 11th Oct and there were 154 in Exton Park on 4th Dec.

Canada Goose Fewer reports this year – this species seems to be losing ground to the Greylag Goose. Small nos were noted over Stock in March. Bred at RW and EBR with an interesting record of a pair and five well-grown goslings on pasture at Beaumont Chase Farm on 12th June, which had presumably bred on a local farm pond. 22 flew over Stock on 16th Oct and there were 320 at RW(Whit) on 15th Dec.

Barnacle Goose One was with Greylags at FHP between 7th and 16th Feb and again from 3rd to 20th Nov.

Brent Goose One was at EBR on 31st Dec.

Egyptian Goose Present at RW all year with breeding confirmed. A pair were at LFP in Jan, March and April and singles were at EBR on 30th Jan and FHP on 16th Feb. Up to five were in BW in March, April and June and a pair were near the R. Gwash near Gun between 11th and 25th Dec.

Australian Shelduck One, paired with an Egyptian Goose, was at RW(Lynd) on 21st Feb.

Ruddy Shelduck Three were at RW(Egl) on 7th July.

Shelduck A pair was present at LFP between 14th March and 3rd April and there were six at EBR on 20th March. Breeding was confirmed there and at RW. Present at FHP from 3rd Jan to 20th June with a max of six on 31st May, when three ducklings were noted – none fledged. A juv was present between 7th/14th Aug and two or three were back from 20th Nov to the end of the year.

Mandarin Duck A pair flew in at FHP on 6th March and were on nearby North Brook on 19th March. A pair was at a pond in TunnW on 17th April with a pair in similar habitat in BW the next day. In May a male was at FHP on 16th and a female at Wakerley Bridge on 29th. A female was at LFP on 27th Oct and a male again at FHP on 5th Nov.

Wigeon A pair was over Wing on 12th April with two pairs at EBR the following day. A pair was at RW(Egl) on 24th June. In Oct 100 flew north at LFP on 21st with 220 north there the next day. A max of sixteen was at FHP to 9th April and the first autumn birds arrived on 25th Sept, increasing to 131 by 31st Dec.

American Wigeon A male at RW (Lynd/Whit) from 9th Dec to the end of the year is the sixth Rutland record and the second at RW.

Gadwall Present at FHP throughout the year with peak counts of 165 on 14th Feb and 177 on 5th Nov. Breeding was confirmed here (two broods) and at both reservoirs. 23 flew over Stock on 10th Nov.

Teal Up to 17 were at FHP to 17th April with 15 noted between 7th Aug to the end of the year. A male was at EBR on 12th June with 17 there on 20th June. On 23rd Sept c.200 flew south over LFP.

Green-winged Teal The male at EBR was present from 1st Jan to at least 18th April and again from 17th Dec to the end of the year, following a stay at RW between 5th and 14th Nov.

Mallard Few records received – a pair frequented a Wing garden pond in April and breeding was confirmed at both reservoirs, FHP, Ext Park and the North Brook. 124 on 30th Oct was the peak count at FHP.

Pintail A male was at EBR on 30th Jan and a pair at RW on 26th March. Two were at EBR on 29th Aug and up to seven were at FHP between 30th Aug and 20th Nov.

Garganey One was at RW between 10th/28th April with a male on Egl reserve from 7th to 12th June. Autumn birds at RW were noted between 14th July and 15th Aug with a max of four on 3rd Aug.

- Shoveler** A male was at EBR on 12th April. Present at FHP all year with max counts of 16 on 17th Jan and 52 on 25th Sept. Breeding occurred at RW and FHP, where a female and five ducklings on 5th July constituted the first breeding record at the site.
- Red-crested Pochard** Two or three were at RW in Feb and April, with regular sightings from 1st Aug to the end of the year, with a max of 32 on 13th Dec. There was one at EBR on 10th/13th Aug and eleven there on 5th Oct.
- Pochard** Present at FHP to 9th April, with a good count of 32 on 17th Jan, and from 30th Oct to the end of the year, with a max of seven on 12th Nov. A male was at EBR on 8th and 30th May.
- Tufted Duck** There was a max of 201 at FHP on 14th Feb and birds were present in all months, except Aug. Three were on the Oak Canal at Ash. Bred at RW.
- Scaup** Up to eleven were at RW from early Jan to 23rd March and a max of five was noted there between 14th Oct and the end of Dec.
- Long-tailed Duck** A first-winter male was at RW from 10th Nov to the end of the year.
- Common Scoter** Three were at RW(North Arm) on 11th April. Singles were noted there on three July dates and 6th Aug, and one was at EBR on 9th Nov.
- Goldeneye** One was at FHP on 3rd and 17th Jan. Last noted at EBR on 13th April. There were one or two at RW between 21st May and 25th June. One was on Rygate Lake, Ext Park, on 12th Nov.
- Smew** In the first winter period three were at RW(Egl) on 1st and one at Norm on 16th March. Birds were at both reservoirs from 16th Nov (RW) to the end of the year with max counts of 14 at EBR (5th Dec) and 11 at RW(15th Dec).
- Red-breasted Merganser** There was a pair at RW(South Arm) on 4th May.
- Goosander** Well reported at LFP up to 6th March with a max of 12 on 13th Feb. One flew over Oak on 15th and one was at EBR on 17th Oct. Seven were at LFP on 16th and three on 22nd Nov.
- Ruddy Duck** Hard weather in Jan brought good nos to the reservoirs with 35 at RW(16th) and 29 at EBR(27th and 7th Feb). Singles were at RW on 13th Aug and 13th Nov, and EBR on 26th Sept.
- Red-legged Partridge** Widespread on farmland with many releases but no reports of coveys exceeding 19 (Stock, 8th Jan). A pair were in a Wg garden for much of March and April.
- Grey Partridge** Heard calling at Leigh on 31st Jan. Five were on Greet GC on 8th Feb. Breeding season records were limited to pairs at Ing (24th April) and Ext Park (8th May). Two were calling at Gorse Wood on 6th Aug.
- Pheasant** A common species on farmland and in woodland with many releases helping to boost the population. Wild-hatched young were seen at FHP and in Ex Park.
- Red-throated Diver** Singles were at RW between 3rd and 29th Jan and 2nd to 14th Nov.
- Great Northern Diver** One was at RW from 1st Jan to at least 5th March. One was reported at RW(Whit) on 22nd Nov and one was at EBR between 4th/12th Dec.
- Gannet** A juv was at RW on 29th Sept.
- Cormorant** Regular at FHP all year with a max. of nine on 24th Jan. Resident at both reservoirs with breeding confirmed at RW(Burley Fishponds).
- Shag Juvs** were at RW on 6th/7th Jan and EBR on 12th March.
- Bittern** As the British population has increased, aided by the development of suitable reed-beds, so has the number of reports. One was at the EBR inflow on 3rd/4th Jan and up to three were at RW(Egl) to at least 16th March. One returned to the lagoon 3 reed-bed by 14th Aug and was seen regularly to the end of the year.
- Cattle Egret** Our third record followed on rapidly from the second last year, with one at EBR on 3rd/4th Aug.
- Little Egret** One was on the North Brook/HM area from 16th Jan to 7th March. One was at Langham on 4th Feb and there were two at EBR on 12th March. Birds were at RW from 21st April to mid-Dec, with the usual mid-summer max (35 on 3rd Aug). Up to six were at EBR in Aug and one was noted intermittently at LFP between 30th July and 22nd Aug. One returned to FHP/North Brook on 9th Dec and remained to the end of the year, visiting a pond at Greet GC on 13th Dec.
- Grey Heron** Present at both reservoirs throughout the year with one or two regular at FHP (except April and May). One was on a lawn at Wing on 1st April and one toured Bden fishponds in June, Oct and Dec. Nine were at LFP on 6th July and six were at EBR on 1st Aug. Nine flew west over Strett on 22nd Sept.
- Spoonbill** At RW one was at Egl on 25th April and there were two in the North Arm on 21st June.
- Little Grebe** Reported only from both reservoirs, Exton Park and FHP, where there were max counts of 12 on 16th Feb and ten on 31st Dec. There were no confirmed breeding records.
- Great Crested Grebe** Present at the reservoirs throughout the year with breeding proved at both. There were three nests at EBR on 11th July.
- Red-necked Grebe** One in breeding plumage was at RW(South Arm) on 13th April.
- Slavonian Grebe** One or two were at RW to at least 13th April and one was at EBR from 16/17th Feb to 22nd March. Present again at RW from 10th Oct with up to three noted in Dec.
- Black-necked Grebe** Between 2nd and 24th March one was at EBR and two or three at RW(Barns). Singles were at RW and EBR from 1st Aug, with two at RW in Oct increasing to five by 14th Dec.
- Red Kite** The most regularly reported species with birds noted across the county and frequently over Stamford. The highest count was nine at Stock on 28th/29th Jan, where they took worms and bread. One ('Special K') was found dead just outside Rutland at Wakerley in Jan – it had been shot. A Rutland tagged bird of 2005 died when it flew into electricity wires near Crossroads Farm, Emp in mid-summer. One was seen feeding from a dead Badger near Shacklewell Lodge on 8th April. At least two pairs bred but did not fledge young. In Nov and Dec two 2009 Rutland tagged birds fed at Colsterworth land-fill site.
- Marsh Harrier** Singles were at EBR on 24th and RW on 27th April and a female was mobbed by Ravens over George Henry Wood on 7th May. A juv was at RW(Egl) from 1st to 14th Aug with a male there on 23rd Aug. A juv was also at RW on 19th Sept, with the last record on 14th Oct.
- Hen Harrier** A male was at RW(Egl) on 10th Oct and a ringtail was at George Henry Wood on 23rd Nov.

Montagu's Harrier A female flew north at RW on 21st April.

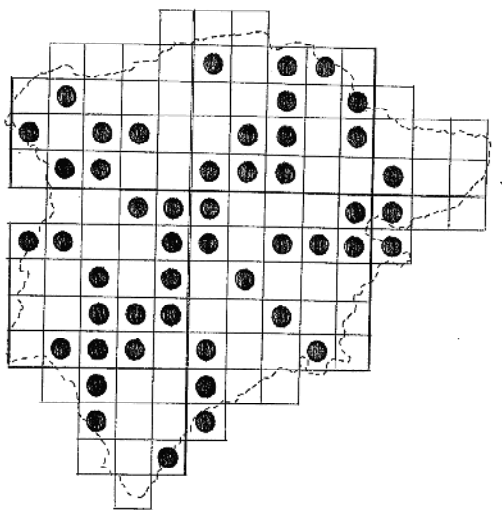
Sparrowhawk A widespread resident throughout the county with regular reports from villages – Bden, EW, Wg – and in Oak and Stamford. Prey included Blackbird and Carrion Crow (EW on 7th Feb). Fledging young were heard calling at Kett Grange, Ext Park and Cottes Wood in July and Aug.

Buzzard A conspicuous species which is found in woodland in all areas and regularly overflies Stamford. Birds in soaring display give a good idea of numbers. There were seven over LFP on 24th Jan, six over PGW on 9th March, nine over Westland/Cottes Woods on 16th March and thirteen over Leigh on 3rd April. Groups of three to five were widely reported. Nests were noted near ColdO and at FHP in April.

Osprey First noted at a regular nest-site on 19th March with birds noted at EBR and HM on 21st March. The two RW pairs were both successful, fledging three young each. Fishing birds were seen regularly at FHP, EBR and LFP throughout the summer. The final record at RW was on 12th Sept.

Kestrel With reports of a national decline of this species, all sightings were requested. The tetrad map shows a widespread distribution across Rutland but the only breeding reports came from Lydd Crossing, RW(Lynd) and Beaumont Chase Farm, where nest-boxes were used. There were no records from the east or north-west, areas which are rarely visited by birdwatchers. One ate a Blackbird on a lawn at Lang on 25th May.

TETRAD DISTRIBUTION OF KESTRELS IN RUTLAND 2010



Merlin Between 9th Jan and 6th April birds were noted at RW, Cottes, Luff Airfield and Glast. The only record in the second winter period was a male at Luffenham Airfield on 21st Dec.

Hobby The first bird was at EBR on 25th April, with records from three other sites by the end of the month. Hobbies were well reported throughout the summer months, especially at RW, where three were noted regularly. Open country locations are not detailed as they may involve breeding birds but at least five pairs bred. There were records from four sites in Sept, with the last on 22nd.

Peregrine Peregrines are now present in Rutland throughout the year and records were received from

RW, LFP, FHP, Ext, Oak and Brk. Pairs were present at two sites in the breeding season.

Water Rail In the first winter period one was at RW(Egl) on 16th Feb and one at FHP on 13th March. Bred again at RW(Lynd), where a pair and seven chicks were seen on 24th June. Also probably bred on the Egl reserve and by a pond at Lydd Crossing, with chicks seen there in June. Singles were at FHP, LFP and RW between 5th Oct and 4th Dec.

Moorhen Widespread on lakes, ponds, streams, rivers and at the reservoirs where there is suitable cover. Nos at FHP were much reduced this year, with a max of only 51 on 18th Sept (125 in 2009), possibly following last winter's hard weather. A well-reported pair bred at a Wg garden pond.

Coot This species prefers larger stretches of water and was noted at both reservoirs, FHP and Ext Park, Bussack Water and the Oak Canal. The peak count at FHP was 99 on 5th Nov.

Crane With breeding birds now in the Fens, we may expect more regular visits from this enigmatic species. Two flew west over RW on 6th April and one flew east over Norm on 1st Nov.

See Also Rutland Water Wader Counts

Oystercatcher Birds had returned to RW by 14th March and there were two at EBR on 20th March. In June one flew over Oak on 3rd and two were at EBR on 12th. Eight pairs bred at RW, with nesting on Lyndon reserve for the first time. One flew over Stocken on 17th Aug.

Avocet All records were from RW(Egl). There were two on 17th and four on 22nd April. One on 11th May increased to a pair on 23rd, staying to 7th June and raising hopes of breeding but this was not to be. A single was present on 15th Aug, and an autumn bird from 9/11th Nov was the first Rutland record at this season since 1955.

Little Ringed Plover One at RW on 19th March was the first, followed by a pair at EBR the next day. Bred at RW and at a site in the east of the county. The last bird was a very late juv at RW on 2nd Nov.

Ringed Plover First noted at EBR on 3rd March. Present at RW throughout the summer with at least two pairs nesting. There were good nos on autumn passage with 30 at RW on 26th Aug. Eight were at EBR on 5th Oct and three at RW on 8th Oct.

Kentish Plover A juv was at EBR on 28th/29th Aug. This is the fifth Rutland record and the first since 1994.

Dotterel One was with a large flock of Golden Plovers by Spy Corner near RAF Cottes on 29th March.

Golden Plover Poorly reported this year. The only records in the first winter period were forty over Stock on 1st Feb and c.900 at Spy Corner on 29 March. There were 48 at EBR on 17th and 34 there on 31st Oct. High counts at RW before the hard weather of Dec included c.300 on 29th Oct. 97 were near Arm Lodge on 17th Nov.

Grey Plover Singles were at RW on 14th Oct and 15th Nov.

Lapwing In the first winter period 100 were at Stock on 28th Jan and there were 55 in Ext Park on 20th Feb. Display was first noted near Thist on 3rd April and evidence of nesting came from Greet, Woodhead, RW(Lynd and Egl), Leigh and Ext Park. Autumn passage was noted on 2nd and 11th July at Stock where six and four flew west and at EBR there were 1056 on

- 8th Aug. There were good autumn counts at RW (see figures) and 96 were near Arm Lodge on 17th Nov.
- Knot** With the exception of one at EBR on 14th Aug all records were from RW. One was present on 9th/10th Feb and one or two were noted between 8th and 24th May and again between 14th and 28th Aug. One was at the Dam and Norm between 25th Nov and 5th Dec.
- Sanderling** A good spring passage at RW between 25th April and 26th May saw a max of ten on 24th and 26th May. One was at EBR on 8th May. Autumn singles were at RW between 13th/26th Aug and one was present on 6th and 13th Dec.
- Little Stint** The only records were of two at RW(North Arm) on 3rd and one at the Old Hall on 5th Sept.
- Temminck's Stint** Singles were at EBR on 23rd and RW on 25th/26th May.
- Pectoral Sandpiper** One was at RW(Egl) on 29th April and one at EBR on 27th/30th Aug.
- Curlew Sandpiper** A spring bird was at RW on 18th May. Autumn birds were noted between 27th Aug and 24th Oct, with a max of nine on the first date. There were five at EBR on 29th Aug and one there on 26th Sept.
- Purple Sandpiper** A juv was at RW(South Arm) between 5th and 11th Sept.
- Dunlin** Not recorded in Jan or Feb but present at RW in all other months except June. The max spring count was 14 on 19th April. Up to ten were at EBR between 15th May and 26th Sept. One flew over LFP on 3rd Sept.
- Broad-billed Sandpiper** One at RW(Egl) briefly on 2nd June was a first record for Rutland and was seen by just seven lucky observers. This species breeds in Scandinavia and winters around the Mediterranean.
- Buff-breasted Sandpiper** Another first record for Rutland and also at RW(Egl). This bird was more considerable and remained on 17th/18th May. This bird breeds in arctic North America and winters in South America.
- Ruff** Noted at RW between 21st March and 22nd April, max two on the latter date and from 23rd July to 14th Nov, max 27 on 23rd Aug. One or two were at EBR between 3rd July and 5th Oct.
- Jack Snipe** Singles were at RW on 8th March and 17th April. There were autumn birds at RW on 8th and 10th Oct and birds were also at Seaton on 24th and Upp on 26th Dec.
- Snipe** Up to the 24th April birds were reported from RW, Wakerley Bridge, FHP, Beaumont Chase Farm, LFP and near LCast. Away from RW, the max count was 17 at LFP on 1st Jan. Autumn birds were at RW, EBR, FHP, LFP, Brooke, Banthorpe Gravel Pit and Gorse Wood. Most records were again of single birds.
- Woodcock** Singles were noted at Leigh, Brk, Priors Coppice, Morkery, Burley and Little Haw Woods and near Lang up to 25th March. There were three in TunnW on 7th Feb and one there on 9th April. One was roding at CPW on 28th April and there was an interesting record of one in Burley Wood on 3rd June. Summer birds have not been recorded here since 1992. Unfortunately few of our woodlands now receive visits at appropriate times to record roding birds and we may still have a remnant small population in the county. Single birds were noted late in the year at Brk, RW, TunnW, Wg and Little Haw Wood between 30th Oct and 14th Dec. Four were at RW(Lynd) on Christmas Eve.
- Black-tailed Godwit** One was at RW(North Arm) on 2nd/4th Jan and two were at Egl on 6th April. Birds were then present regularly from 4th May to 19th Sept with max counts of 29 on 20th June and 31 on 11th July. Up to six were at EBR between 18th/27th June with one on 11th July and two on 27th Aug.
- Bar-tailed Godwit** One was at RW(Egl) on 21st April
- Whimbrel** Spring passage at RW was between 17th April and 24th May with an excellent max count of 63 on 8th May. One was at EBR on 16th July, one at RW on 28th July and two there on 17th Aug.
- Curlew** Up to five were at RW from Jan to mid-April. A pair displayed near RAF Cottles on 3rd April and one was in the same area on 8th May. A pair near Thorpeby-Water on 14th May were also in breeding habitat. In June two flew over Barleythorpe on 7th, one was over Oakham on 18th and one was near Greet on 20th. Small nos were at RW from 12th July to 17th Dec, with a max of six on 14th Nov. The largest autumn count was nine over Leigh on 31st Aug with three at EBR on 26th Sept. Three flew over FHP on 21st Dec.
- Common Sandpiper** Spring passage at RW was between 8th April and 8th May with a max of three noted. One was at EBR on 24th April, with four on 8th May and one the next day. Autumn birds were noted at RW from 7th July to 10th Oct with 18 on 17th Aug. Two or three were at EBR in July and Aug, and singles were at FHP on 24th July and LFP on 25th Aug.
- Green Sandpiper** There was a max of three at RW up to 11th April and one at FHP on 19th March. Autumn birds were at EBR between 12th June and 19th Aug, with two on the latter date. At RW birds were noted from 25th June to 13th Dec with a max of 32 on 17th Aug. One was at FHP on 28th Aug and 5th and 22nd Oct and one was at LFP on 12th Sept. Also in Oct singles flew over Gorse Wood on 10th and Oak on 14th.
- Spotted Redshank** Two were at EBR on 18th/19th June; and one was at RW(Egl) on 26th July with two on 10th and one on 15th Aug.
- Greenshank** Singles were noted at RW and EBR between 19th April and 23rd May. Autumn passage at RW was between 11th June and 24th Sep, with a max of 17 on 24th Aug. One or two were at EBR between 23rd July and 24th July.
- Lesser Yellowlegs** One was at RW(Egl) from 20th to 26th Nov. This is the second Rutland record of this North American wader.
- Wood Sandpiper** Single spring birds were at RW on 28th April and 1st and 26th May. One was at EBR on 11th July followed by a good run of records at RW, with one from 21st July to 27th Aug and three on 19th Aug.
- Redshank** There were good nos at RW to mid-April and two at EBR on 13th Feb. One or two were at both reservoirs in May. One was at EBR and the usual high nos were at RW to the end of the year, with 36 on 14th Nov.
- Turnstone** One was at RW from 2nd to 24th March. Spring birds there were noted between 1st May and 4th June with four on 10th May. Up to three were there between 1st and 27th Aug.
- Red-necked Phalarope** A female was at RW(Egl) on 28th May.
- Grey Phalarope** An unusually long-staying bird was at RW between 1st Nov and 2nd Dec.

Kittiwake One was at EBR on 12th March.

Black-headed Gull c.500 were at Stock during cold weather on 9th Jan. Bred at RW(Egl) where there were 144 nests in May.

Little Gull Present at RW from 6th April throughout the summer, usually one or two but eleven were noted on 24th April (when there were nine at EBR). A first-winter bird was at EBR on 17th Nov, and a first-winter also visited a Stamford garden briefly with Black-headed Gulls on 1st Dec – a most unusual record.

Mediterranean Gull In April there were three second-summerers at RW on 7th/8th and an adult on 26th/27th. Two adults were there on 14th June with one also on 29th Aug. Four were present at RW on 14th Oct, and an adult was at EBR on 31st Oct.

Common Gull Autumn passage was noted on 12th Oct when c.800 flew west at Stock, whilst at Leigh 770 flew west on 22nd with 680 on 24th and a further 1100 on 1st Nov.

Ring-billed Gull An adult roosted at RW(Egl) on 7th April.

Lesser Black-backed Gull There 245 at RW on 3rd Aug and 1600 were counted there in Sept.

Herring Gull c.3000 roosted at RW in Dec.

Yellow-legged Gull Present intermittently at RW from 7th June to 24th Oct, with max counts of eight on 9th July and six on 14th Oct. Singles were at EBR on 8th and 19th Aug and 26th Sept.

Caspian Gull There were five records from RW between 25th May and 12th Dec, with none in June, Aug/Sept or Nov.

Iceland Gull A second-winter was at EBR on 5th/6th Feb and a third winter at RW on 22nd Nov.

Glaucous Gull First winters were at RW on 12th Jan and regularly between 29th Nov and 19th Dec.

Great Black-backed Gull 600 roosted at RW in Jan. 40 were at there in July with 30 in Aug.

Little Tern Singles were at RW on 4th and 6th June and EBR on 22nd June.

Whiskered Tern A juv was at RW between 31st Aug and 15th Sept.

Black Tern Spring passage birds were at RW between 21st April and 4th June, with a max of ten on 23rd May. Three were at EBR on 25th April. All autumn records were from RW between 23rd July and 4th Oct with a max of five on 24th Sept.

White-winged Black Tern A pair in breeding plumage were at RW(Egl) on 23rd/24th May and a juv was there on 16th and 29th Sept.

Sandwich Tern One was at RW(North Arm) on 25th April, and between 19th July and 15th Aug singles visited the Egl reserve, with two on 14th Aug.

Common Tern Back at RW(Egl) on 6th April and present throughout the summer with the last bird on 24th Sept. Breeding occurred at RW and EBR, where both tern platforms were occupied. One was at FHP on 28th Aug.

Arctic Tern Up to six were at RW between 13th and 25th April. Four were at EBR on 24th April. Strong passage between 4th/7th May produced totals of 80, 50 and 35 at RW. An autumn bird was seen there on 16th Aug.

Feral Pigeon Large nos were present throughout the year at Castle Cement, Stamford, Oak and Upp but no counts were received – these would be very welcome.

Stock Dove Widespread but rarely reported. Bred in Exton Park, at Beaumont Chase Farm, RW (Egl) – in duck nesting boxes, Ward and FHP. 38 were at Horn Spinney, FHP on 22nd Oct.

Woodpigeon A very common farmland species with the highest counts in winter. 800 were near Brk on 8th Jan, with c.1000 there on 5th Feb. There were 1200 at RW(Burley Fishponds) on 10th Feb and c.400 around Stock throughout that month. c.200 were again at Stock on 28th Oct. and a huge movement south-west over Oak on 7th Nov involved c.1900 birds. 640 flew north over Brk on 11th Dec.

Collared Dove Well distributed in gardens, usually in small nos, with a max of eight in Oak on 25th Nov. Nest-building was observed in Bden on 7th Jan, and there were 14 on wires near Ext on 30th.

Turtle Dove One or two were at RW(Egl) between 27th April and 1st July. The only other records were one at Leigh on 21st May and a singing bird at Wakerley Bridge on 27th June.

Cuckoo First heard at RW(Egl) on 13th April, with the next at Greet Wood Far and Lang on 18th April. Singing birds were noted up to 3rd July at fourteen, mainly woodland, sites. The last birds were at Stock on 30th July and LFP on 5th Aug.

Barn Owl There were reports in all months and from 16 sites, mainly in the centre and west of Rutland. Successful breeding was reported only from Exton Park and Lydd Crossing, where broods of five and two were ringed. A traffic victim was found by the A606 by Burley Wood on 5th May and one was found drowned in a water butt at Bden on 8th Sept.

Little Owl There were records in all months except Nov. In Jan one called from a house roof in suburban Stamford – a most unusual location – on 13th and 23rd. Ten sites provide records, with the most regular being Bden and EBR. There were no confirmed breeding records.

Tawny Owl Well distributed in woodland across Rutland with records from 15 sites. Six were calling at CPW on 9th April and three at Stock on 2nd June. There was successful breeding in nest-boxes at RW, CQ and TunnW. Two road casualties were reported by the A47 near Bden on 3rd July and 25th Sept.

Long-eared Owl Up to four roosted in a thick hawthorn hedge at RW(Egl) from early Jan to at least 6th April.

Short-eared Owl One was at RW(Egl) throughout Jan and to 19th March. One was on rough grassland near Barleythorpe on 18th and 24th April and one was at RW(Egl) on 26th May. On Dec 2nd, during hard weather, one flew over QF and Stamford.

Nightjar There was an excellent record of an autumn migrant over the road between Glast and Wg on the evening of 20th Aug.

Swift One over Stock and two over Upp on 22nd April were the first, with birds at RW and Pick on 25th. Small nos were widespread by mid-May but the only indication of breeding was at Bden, where there were screaming parties of up to 50 in July. The last birds were three at EBR on 29th Aug.

Kingfisher Up to 17th April, the only records were from Tin/Stamford Meadows (regular), FHP and RW(EW/Norm). This may have been a result of the hard winter. Records were received from eight sites including RW,

- LFP, Ext Park and Brooke from 17th June onwards. Two were ringed at RW on 11th Aug. There were three at LFP in July and Oct, and two at Tin Pumping Station on 2nd Dec.
- Green Woodpecker** With reports from 22 sites this remains a favourite species with many members. There were records from woodland and pasture in all parts of Rutland and also from gardens at Lang, Norm, Stamford and Wg. Nest sites were discovered at CPW in April and CQ in June.
- Great Spotted Woodpecker** Seventeen sites provided records, with birds regular in gardens in Oak, Barleythorpe, Norm and Wg. Drumming was first heard at RW(Egl) on 21st Jan and subsequently at seven woodland sites. A male at Wg on 6th May was stunned when it flew into a conservatory door but recovered and flew to a nearby tree, where it hung upside down for a short while before flying off. 14 were noted around BW on 15th June.
- Lesser Spotted Woodpecker** There were only three records – one in PGW on 7th March and a female in BW on 21st March and 14th May.
- Magpie** An increasingly widespread species but seldom recorded. A pair were feeding young in a nest at BarnsG on 9th May and there were six along a house roof in Bden on 17th July, again indicating local breeding.
- Jay** Ten were noted in BW in March and June. Regular in Ext Park woodlands and also noted at Norm, Man and Stock.
- Jackdaw** A common and widespread species especially at limestone quarries and in areas of pasture, where they feed with livestock. Nos at Beaumont Chase CBC remain strong with 15 territories this year, the same number as 2009.
- Rook** The rookery at Lady Wood, Stock was active from 9th Feb. 26 nests were counted in the rookery at Barleythorpe Conference Centre on 9th March.
- Carrion Crow** 23 assembled to eat bread at Stock on 18th Jan. A Bden bird was noted on 21/5 pecking its reflection in windows at several houses and on a metal chimney cowl. Another instance of interesting behaviour was provided by a bird along Pit Lane, Kett, on 27th Aug. It was seen carrying a small piece of limestone, which it dropped. Picking up another piece it placed this on the ground and then placed a small clod of earth on top of it, before walking away. Any crow psychologists in the Society?
- Raven** Present throughout the year and noted in singles and pairs at 14 sites, with a max of four over Leigh on 1st Nov. The re-occupation of Rutland by this species in recent years has been remarkable. A pair bred on a tall pylon in south Lincs, within eight miles of the Rutland border, so there is plenty of scope for nesting in Rutland.
- Goldcrest** Not reported before March when there were 28 noted around BW. 32 were counted there on 30th June and there were 34 on 30th Aug. One was in a Stamford garden between 11th/29th Oct.
- Blue Tit** An apparently successful breeding season in BW with over 60 counted on 8th July.
- Great Tit** c.42 were noted in BW on 31st March.
- Coal Tit** A regular visitor at many rural and suburban feeding stations. In BW 28 were counted on 19th March, with 45 on 21st June and 36 on 5th Aug.
- Willow Tit** A very local species with regular reports throughout the year only from Leigh, usually one or two but eight on 9th June. Other records came from Brooke, Braun, RW(Lyndon and Burley Fishponds), Greet Wood Near and Whiss.
- Marsh Tit** Present mainly in woodland – BW, TunnW, CPW, PC and Leigh all provided records. Noted at Stoke Dry feeders on 17th Jan, and there were ten in BW on 13th Sept. One was at Quarry Wood on 20th Sept.
- Bearded Tit** Up to five were in the reed-bed at RW(Egl) from 13th Oct to at least 17th Dec.
- Skylark** In Jan, there were 40 south at Leigh on 7th, c.20 flew south at RW(Dam) on 16th and 36 were on stubble at Mounts Lodge on 30th. Widespread in small nos in the breeding season but 16 sang near Rid on 29th April. In Oct. c.65 flew south over Oak on 11th and fifty over Leigh on 18th. Hard weather movements in Dec produced 45 south over Tinkl on 2nd and 233 north-west near Brk on 11th.
- Sand Martin** First noted at RW on 17th March. Birds were regular at FHP throughout the summer. Breeding activity was reported at Greet Quarry in May but none were present on 6th July. The main breeding site was the 'Sand Martin Bank' at Egl, where over one hundred pairs bred and many young were ringed. A very unusual nest-site was discovered at the farm at Stoke Dry. A pair bred in a hole in the masonry of an arch in one of the farm buildings. Using a ladder and a torch, the incubating bird could be clearly seen at the back of the hole. How they found this secluded site is a mystery. The last report was from EBR on 26th Sept.
- Swallow** First reported from RW on 20th with one at Bden on 30th March. Noted at Wing, Mor, FHP and Stock by 9th April. Breeding birds were monitored at Bden and Stock. Autumn passage was evident at Stock by mid-Aug, and there were c.150 there by 7th Sept and a similar number at Leigh on the same date. The last birds were at Stock on 7th and Oak on 15th Oct.
- House Martin** One at FHP on 4th April was the first, followed by two at Stock on 8th April. Good nos were present here throughout the summer, 31 on 22nd June increasing to c.140 on 2nd Aug. Nests were monitored at Bden. c.180 were at Wg and Stock on 1st Sept. Two over Oakham on 15th Oct were the latest birds noted.
- Cetti's Warbler** One sang between 14th March and at least 8th May at RW(Egl) and was seen and heard in the same area on 19th Sept.
- Long-tailed Tit** This species seems to have survived the harsh weather of both winter periods well and to have had a good breeding season. Up to ten were in gardens at Norm, Bden and Oak up to 30th March and an early nest was found at BW on 12th March. c.50 were at Leigh on 13th June and flocks of up to 13 were at Stock, Wg and Oak from 7th Oct to the end of the year.
- Chiffchaff** Seven were ringed at RW in Jan and Feb and the first singing bird was there on 17th March. By the end of March singing birds were in many woodlands – 30 were in BW on 26th, increasing to 45 on 22nd April. BW and Leigh provided high counts throughout Aug and Sept with two still at Leigh on 18th Oct. One was in a Bden garden on 6th/7th Oct and one was near Brk between 13th/23rd Dec.
- Willow Warbler** Heard first at RW(Lynd) and Gorse on 2nd April. Widespread but in generally low nos by the end of the month, although 14 sang in BW on 18th and

23rd at Leigh on 24th. Singles visited a Stam garden on 17th April and 2nd May. Nos at Leigh increased to 48 on 24th May. There were fewer records in Aug and three in Sept, with the last in BW on 15th.

Blackcap From early Jan to 2nd April, singles visited four Oak and two Stamford gardens. The first singing birds were at CPW on 3rd and Thist on 4th April. They were widespread by the end of the month and into May. 33 sang in BW on 30th April and 47 were there on 26th May. There were still 30 in BW on 5th Sept. Oct birds were noted in CPW, Oak and PC to 7th. Singles were in two Oak gardens on 21st and 26th Dec.

Garden Warbler First reported singing at RW on 28th April, with four at Leigh and PC the next day. There were subsequent records from BW, CPW, Norm, Brk and BarnsW. One was reported from a Barleythorpe garden in Aug and up to 18th Sept.

Lesser Whitethroat First noted at GtCast and RW(Egl) on 17th April with the next in BW on 22nd April. Other records came from Gunthorpe, Lang, Rid, Brk, Barleythorpe, Flitteris Park and Leigh where the last birds were seen on 2nd Oct.

Whitethroat The first record was at TunnW on 17th April with the next at Ash on 21st April. Well distributed along hedgerows in all areas by early May – 31 sang around Leigh on 21st May. There were four Sept records with the last at George Henry Wood on 22nd.

Grasshopper Warbler Singing birds were noted between 10th April and 9th July, both Leigh. Other sites were TunnW, Whiss, RW(Egl), BW, and Greet Far Wood. Four sang at RW (Egl) on 13th April.

Sedge Warbler The first bird was heard at RW(Egl) on 6th April. Other records came from BW, Leigh, Thorpe-by-Water and FHP. The last was at Leigh on 12th Sept. This species remains rather local in its distribution.

Reed Warbler This is another sparsely distributed species which is most common in the RW reed-beds. The first was in BW on 26th April with singing singles at FHP and Leigh. Five held territory by the R.Welland at Thorpe-by-Water on 14th May. A very late bird was at RW on 1st Nov.

Waxwing The national irruption arrived in Rutland on 7th Nov when two were reported at RW (Dam). 24 were at Emp on 24th and 19 at RW(Egl) on 28th Nov. In Dec birds were noted from 1st at the following locations (max counts given): Ext(3), North Luffenham(40), RW(Egl)(13), Oak(20) and Stamford(12).

Nuthatch Birds were reported from most of the usual sites: BW, PC, TunnW, BarnsW, PGW, CPW, CQ, Ext Park and HambW. There were also records from less familiar sites at Leigh, BarnsG, New Wood (Emp) and Tick and Oak gardens. 17 were noted around BW on 27th Aug.

Treecreeper A well-reported species from woodlands across the county, despite the harsh winter. Gardens were visited in Barleythorpe and Wg. A pair bred in Swan Hide at RW(Lynd).

Wren This species appeared to survive the hard weather early in the year well, with counts in BW of 47 on 26th March and 55 on 19th May. There was no reduction in the number of territories at Beaumont Chase Farm CBC plot, with 12 in 2009 and 2010.

Starling c.150 were at Stock on 15th Feb with 100 on 6th April. A 'light ginger' bird with paler plumage around

the neck was at Bden on 14th June. Autumn passage was noted at Leigh and Oak between 21st/25th Oct and 1st Nov with totals of 1120, 1600, 360 and 2287 moving west on these dates. On 8th/9th Nov at Stock there were counts of 940 and 261. A flock of 102 was in Oak on 7th Dec.

Ring Ouzel A female was at Luffenham Airfield on 8th April and one was at RW(Egl) on 31st Oct.

Blackbird Two fledged young were at Stam on 10th April. Sub-song was heard at Bden on the early date of 19th Oct. Good autumn counts in Nov included 25 in Oak (5th), 42 at Leigh (10th) and 26 at Lyndon reserve (26th). c.80 were around Brk on 18th Dec.

Song Thrush Regularly noted up to May in an Oak garden. Only one held territory at Beaumont Chase CBC plot, following an increase to three in 2009. In Oct, 16 were at Oak allotments on 11th and 16 at Leigh on 12th.

Redwing There was a large movement into gardens, with birds noted at Norm, Oak and Stam. Over 200 stripped holly at Stamford on 10th Jan. In Feb and March up to 30 were noted at Braunston, Tinwell, TunnW, and Oak, with 70 over Stocken on 23rd March. The only April birds were two at PC on 17th. Five over Stocken and two over Oak on 28th Sept were the first autumn birds. Passage was very marked from 8th Oct with flocks exceeding 200 noted at Stock, Leigh and Wg. In Nov 300 flew over Oak allotments on 2nd, there were 100 at RW(Man) on 14th and 220 at Leigh on 22nd. There was a weather movement of 780 at RW(Lynd) on 10th Dec and 80 were at RW(Egl) on 17th.

Mistle Thrush Singing birds were noted at six sites. Post-breeding flocks of 14 were at Stocken on 10th Aug and 16 at Leigh on 3rd Sept. Six were at Norm in Nov.

Spotted Flycatcher First noted at Leigh on 13th May with records from ten sites up to 28th Aug but breeding proved only at Ext Park and Leigh. One at Leigh on 30th Sept was the last record.

Robin An ambitious pair were seen nest-building in a woodpecker nest-box at Barleythorpe on 30th March. Territories at Beaumont Chase CBC plot declined to 12 (16 in 2009). 44 were counted around Leigh on 28th Sept and 11 sang following snow at Stock on 1st Dec.

Nightingale First heard at RW(Lynd) on 20th April with three noted there and at HambW to 13th May. There was an encouraging record of brief song at GreetW Far on 20th June.

Black Redstart The popular and long-staying male at Home Farm, Ext was present to at least 6th March but was not reported between 3rd Jan and 25th Feb. One was at GtCast on 22nd March.

Redstart A male was at Leigh on 17th April. Females were there on 22nd July and 25th Aug and a female was at BW on 13th and 16th Sept.

Whinchat One was at EBR on 21st/23rd April and two were at RW(Egl) on 28th April. Autumn birds were noted on eight dates between 24th July and 19th Oct at Leigh (two on 25th Aug), RW, Luff Airfield, George Henry Wood and EBR.

Stonechat Following a run of good years, the hard weather of the first winter period appears to have seriously reduced nos. Singles were at RW(Lynd) on 18th Sept and EBR on 17th Oct, with three at the latter site on 19th Oct.

Wheatear Spring birds were reported between 19th March and 8th May from Stock, WCQS, Leigh, Luff Airfield, Beaumont Chase Farm, George Henry Wood and Cottesmore. There was a max of 11 at Luff Airfield on 2nd April. Autumn records were from 8th to 28th Aug at RW, Lang and Luff Airfield, with five at the latter site on the last date.

Duncock c.29 were counted at Leighfield on 4th Oct.

House Sparrow Well reported at Stock where post-breeding nos increased to c.50 on 26th Sept. 16 were regular in an Oak garden in this month. Remains widespread in small nos in the villages, especially where food is provided.

Tree Sparrow Lower nos reported, with c.40 at Oak allotments the peak count. Recorded at Leigh, Mounts Lodge (bred), RW(Lynd), Whiss and Beaumont Chase Farm. One or two were at garden feeders at Norm, Tick and Tix between Oct and Dec.

Yellow Wagtail First reported at RW on 23rd March with up to six noted at both reservoirs to 17th April. Breeding season records came from Brk Priory, Burley Fishponds, Leigh, Langham and Ext Park. Birds on autumn passage include eight at Leigh on 28th Aug and 13 at Norm in Sept. Three over Leigh on 30th Sept were the last.

Grey Wagtail Fewer records were received this year. In Jan and Feb singles were at Ex, Oak and RW(EW). Two were at Tin Pumping Station from 24th March to mid-May, when one sang regularly from buildings in Ironmonger St, Stam. In Sept singles were at FHP on 22nd and RW(South Arm) on 29th. One was at Stock on 28th Oct and one in an Oak garden on 25th Dec.

Pied Wagtail At Stock pairs built in the cab of a JCB tractor and a gang mower, only the second pair fledging young. At Beaumont Chase CBC plot only a single pair held territory, for the first time in nineteen years. The greenhouse roost at Stock increased from 50 on 17th Aug to 106 on 30th Sept.

White Wagtail One or two were noted at both reservoirs between 8th and 22nd April. One was reported feeding on a Norm lawn on 20th Sept.

Meadow Pipit Evidence of breeding came from WCQS, Rid and George Henry Wood between 17th March and 20th June. In Sept 42 passed over Stocken on 28th, there were 12 there next day, and 30 in Exton Park on 30th.

Rock Pipit One or two were at RW between 5th/31st Oct.

Water Pipit One was at RW on 6th April and one at the Dam there between 20th and 31st Oct.

Chaffinch In the first winter period there were flocks of 60 at Leigh on 26th Jan and 50 at Lydd and 100 at Leigh on 7th Feb. c.120 fed on game crops at Leigh on 6th March. Autumn passage at Leigh in Oct was indicated by flocks of 200 on 18th and 178 on 21st, both moving west.

Brambling Between 1st Jan and 11th March up to three fed at RW(Egl Centre) and one was at BarnsG on 31st Jan. Autumn migration was recorded at Leigh between 2nd and 27th Oct with a max of 32 on the latter date. Elsewhere up to four were noted at Brk, Oak, Barleythorpe, FHP, RW(Dam), Norm, and Stam.

Greenfinch This species has been hit hard by trichomonosis and no flocks were reported. Max weekly counts at a Stam and an Oak garden did not

exceed seven and three respectively. Territories at Beaumont Chase CBC declined to six from a max of 13 in 2004.

Goldfinch This species continues to thrive, aided by garden feeders bursting with sunflower hearts and nyger seed. Gardens in Oak, Stam, Stock and Beaumont Chase Farm attracted up to 30 birds and an Emp garden had 36 on 7th Feb. Leigh attracted 120 in Aug and flocks of 30-40 were noted between Sept and Nov at George Henry Wood, Stock, and WCQS.

Siskin Between 4th Jan and 24th March one or two frequented gardens at Bden and Oak, with one at Wg on 10th May. 20 were at RW(Man) on 24th Feb and 30 were in Ext Park on 28th Feb. Autumn birds were noted from 12th Sept at seven well spread sites with 37 flying south at Oak allotments on 20th Oct, 40 at RW(Man) on 23rd Nov and 44 near Brk on 11th Dec.

Linnet Flocks in the first winter period were 80 at EBR on 30th, 200+ at Leigh on 31st Jan, 220 there throughout Feb. 25 were at Mounts Lodge on 2nd March and 40 at FHP on 3rd April. 70 were still at Leigh on 5th May. In Oct 40 flew over Oak allotments on 5th and 60 were at Leigh on 18th. A flock of 40 at WCQS on 1st Nov increased to 80+ on 25th Nov.

Lesser Redpoll Up to six fed in a Bden garden from 4th Jan to 2nd Feb with similar nos in another Bden garden in early Feb. A pair were at an Oak feeder 28th March/3rd April. Up to 30 were in BW between 31st March and 18th April with the last spring bird over Leigh on 13th May. Autumn birds were noted from 25th Sept with small nos at BW, Oak, Leigh, Brk and RW(Egl and Man). The max was 14 over Oak on 11th Oct.

Common Crossbill Noted in BW on 1st and 7th March with 18 on the first date, and singles there on 4th and 14th May. Up to 18 were there again between 8th and 21st July and five flew over Leigh on 27th July.

Bullfinch A well reported species from countryside with overgrown hedgerows and scrub. The max counts were 18 at Brooke on 26th Jan and 20 at Leigh on 11th Aug. There were records from gardens in Bden, Oak and Lang, where a male took honeysuckle berries on 26th Aug.

Snow Bunting Singles were at Stock on 20th Oct and RW(Dam) on 6th Nov.

Yellowhammer Flocks in the first winter period were 20 at Rid on 23rd Feb, c.100 at Stock on 25th Feb and 70 at WCQS on 10th March. At Beaumont Chase Farm breeding territories crashed from 20 in 2009 to just nine this year. Is this species now going the way of the Corn Bunting? In Sept there were 25 at WCQS on 20th and 30 at FHP on 25th.

Reed Bunting This species has adapted well to garden feeding, even perching on seed feeders as well as taking seed on the ground. Up to five fed in gardens at Stam, Oak, Emp and RW(Egl Centre) to 4th March. 40 were with Yellowhammer at Rid on 23rd Feb. A common breeding species on the RW reserves with summer records also from WFL, FHP, Thorpe-by-Water and Tin Meadows. Three fed in a Stam garden on 31st Oct and 28th Dec.

Corn Bunting Singles were at Mounts Lodge on 23rd Jan, 17th April and 8th May.

RUTLAND WATER WILDFOWL COUNTS 2010

	17.01	21.02	14.03	13.04	18.05	15.06	13.07	17.08	19.09	10.10	14.11	19.12
Mute Swan	271	51	130	214	221	401	497	637	528	504	457	295
Pink-footed Goose												1
Greylag Goose	187		158	144	197	494	580	543	393	374	52	611
Canada Goose	917	160	131	36	37	539	834	655	1083	421	816	974
Barnacle Goose	13		4	1	1	1	1	1	14	14	14	15
Egyptian Goose	46	10	9	26	40	65	53	56	77	56	27	37
Ruddy Shelduck				1	2	1	3	1				
Shelduck		34	57	41	42	51	17	24	11	6	22	
Mandarin Duck		3	2				2	3		3		
Wigeon	3063	2739	2071	170	3	3	4	12	1065	2218	2009	5480
Gadwall	2054	853	91	109	212	296	304	973	1227	1147	814	1289
Teal	1070	1142	565	120		18	40	560	718	677	725	237
Green-winged Teal											1	
Mallard	903	605	354	370	566	961	1018	1178	1276	1046	1005	1005
Pintail	1								62	69	21	14
Garganey							1	2				
Shoveler	5	36	9	44	23	32	12	168	323	187	31	4
Red-crested Pochard	84	13						2	6	6	6	58
Pochard	274	171	37	4	1	6	10	142	34	99	122	504
Tufted Duck	4767	1720	468	410	251	440	1198	3695	4783	4415	2796	5281
Scaup	10	11	11							4	1	9
Long-tailed Duck											1	
Common Scoter							1			1	1	
Goldeneye	294	390	256	150	1	3	2	1	3	5	193	285
Smew	16	18	1									23
Goosander	47	12									8	31
Ruddy Duck	44	3				1						23
Red-throated Diver	1											
Great Northern Diver	1											
Little Grebe	86	72	32	8		4	6	46	120	96	120	107
Great Crested Grebe	970	210	127	99	144	139	137	370	586	410	727	580
Slavonian Grebe	2	2	1	1					1	1	3	
Black-necked Grebe	1	1	3					1	2	2	1	9
Cormorant	126	84	136	18	24	nc	203	190	393	192	38	71
Bittern	2	4	2						1	1		1
Little Egret	2		2	1	7	7	23	25	21	21	4	
Grey Heron	13	13	4	3	11	6	20	13	12	19	15	6
Water Rail		4	2	4			2		6	1	4	
Moorhen	137	60	34	56	17	54	79	148	186	75	140	34
Coot	2838	1646	571	236	298	577	864	1896	3206	4185	5232	5570
TOTAL	18245	10067	5268	2278	2098	4089	5911	11340	16137	16255	15407	22554

RUTLAND WATER WADER COUNTS 2010

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Oystercatcher		3	13	10	19	15	12					
Little Ringed Plover				5	7	20	48	2	3			
Ringed Plover				4	5	4	11	42	10			
Golden Plover		70								225	2508	
Grey Plover									2			
Lapwing	86	1674	53	8	37	121	365	892	532	1866	1212	227
Sanderling					3							
Curlew Sandpiper					1							
Dunlin	15	55	5		3		6	12	8	2	95	4
Ruff	1						3	16	12	9	6	
Jack Snipe										1	1	
Snipe	7	42	3	6				26	23	10	2	5
Woodcock												1
Black-tailed Godwit							16	18	1			
Whimbrel								2				
Curlew	3		5	2				4		5	6	
Redshank	29	25	29	16	2	5	6	1	7	9	36	31
Greenshank					1		4	18	6			
Green Sandpiper	2		1	4		2	15	32	21	5	5	
Wood Sandpiper								1				
Common Sandpiper					1		7	18	2	1	2	
Tunstone								3				
Grey Phalarope											1	
TOTAL	143	1869	109	55	79	167	493	1087	626	2133	3874	268

HOLYWELL LAKE WILDFOWL COUNTS 2010

	20.01	23.02	13.03	19.09	10.10	13.11	19.12
Mute Swan	4	1	2	2		2	2
Greylag Goose	6	9	6	1		3	6
Canada Goose	84	44	40	11		171	23
Wigeon	6						
Gadwall	2	11	22	32	30	22	42
Teal	26	10	14	6	26	92	98
Mallard	15	73	53	133	168	109	107
Shoveler				4	4	6	9
Pochard	1		1				2
Tufted Duck	10	16	8	9		18	13
Little Grebe			2	4	10	10	6
Cormorant						1	
Moorhen	23	13	14	12	13	24	8
Coot	27	21	24	19	16	26	25
TOTAL	204	198	186	233	267	484	364

EYEBROOK RESERVOIR WILDFOWL COUNTS 2010

	17.01	21.02	13.03	19.09	08.10	14.11	19.12
Mute Swan	64	35	28	107	64	113	120
Pink-footed Goose		2					
White-fronted Goose		2					
Greylag Goose	141	120	40	300	110	315	14
Canada Goose	250	8	14	13		170	162
Shelduck	1	1	6	1		2	
Wigeon	290	666	226	26	210	295	1208
Gadwall	32	41	23	108	218	147	13
Teal	375	184	78	141	234	97	482
Green-winged Teal		1					
Mallard	71	44	14	201	121	56	245
Pintail				11	4	12	
Shoveler				25	18	13	
Red-crested Pochard	3			2		1	
Pochard	124	75	47	84	111	38	5
Tufted Duck	332	230	202	795	612	412	51
Goldeneye	48	42	39			5	5
Smew	1						4
Goosander	8	9	5				
Little Grebe	9		2	19	17	10	3
Great Crested Grebe	2	32	18	64	31	23	2
Slavonian Grebe		1	1				
Cormorant	21	39	33	19	36	58	
Little Egret				1			
Grey Heron	4	4	6	5	4	5	
Moorhen	3	1	2	5	6	5	
Coot	235	174	77	543	230	148	411
TOTAL	2014	1711	861	2470	2027	1925	2727



FORT HENRY PONDS AND EXTON PARK WILDFOWL COUNTS 2010

	21.01	23.02	13.03	09.04	16.05	20.06	17.07	14.08	18.09	08.10	12.11	17.12
Mute Swan	9	10	13	23	6	5	4	11	10	11	10	6
Greylag Goose	88	67	93	11	6	3	26	7			200	52
Canada Goose		2	2	1								
Barnacle Goose											1	
Shelduck	1	2	2	2	3	2		1				2
Mandarin Duck					1							
Wigeon	3	52	18	4						18	14	25
Gadwall	136	143	85	16	16	26	11	20	26	70	154	87
Teal	9	2	11	7					16	6	15	11
Mallard	66	128	69	36	52	65	95	92	128	131	101	95
Pintail									1	3	6	
Shoveler	16	8	4	5	2	2	1	2	38	46	29	7
Pochard	32	5	7	1							7	5
Tufted Duck	60	201	80	69	13	13	10		1	12	25	27
Goldeneye		1									1	
Little Grebe	9	11	8						1		10	3
Cormorant		6	3	1	1		1	5			1	
Little Egret									1			1
Grey Heron		2	1				2	2	1			
Water Rail			1									
Moorhen	8	16	12	11	7	8	16	41	58	34	28	3
Coot	60	86	69	44	29	35	40	63	58	79	74	33
TOTAL	497	742	578	231	136	159	206	244	339	310	676	357



BOTANY REPORT 2010

We need help! Only half of the Roadside Verge Nature Reserves have been observed this year. I have repeatedly appealed for more helpers in Fieldfare but only one of the unobserved verges will be covered in 2011. It would be a shame if the Society had to give this worthwhile task up, but it is looking that way.

If you could volunteer during 2011, you could go out with one of our remaining recorders to get some experience before addressing your own verge in 2012. Please think carefully about this and anyone interested please contact me on 01572 747302 as soon as possible.

The verges are mainly in the eastern half of Rutland, north and east of Empingham, and with one exception on back lanes.

Graham Worrall

Please note: Botany on Rutland Roadside Verge Nature Reserves is given separately and may include species not included below. See page 24.

Nomenclature after Stace, C. 1991, *New Flora of the British Isles*.

= new to our list in 2010.

Site abbreviations, see page 72.

Adder's-tongue *Ophioglossum vulgatum*

WhdC

Agrimony *Agrimonia eupatoria*

BOQ,BW

Alder *Alnus glutinosa*

Stock,Barns

Amphibious bistort *Persicaria amphibia*

Thorpe-by-Water

Ash *Fraxinus excelsior*

Stock,Braun(very old),WhdC,CPW

Aspen *Populus tremula*

Stock

Autumn Gentian *Gentianella amarella*

KQ,BOQ

Autumn Hawkbit *Leontodon autumnalis*

Stock

Barberry *Berberis vulgaris*

Stock

Barren Brome *Anisantha sterilis*

WhdC

Barren Strawberry *Potentilla sterilis*

CPW

Basil Thyme *Acinos arvensis*

KQ

Bifid Hemp-nettle *Galeopsis bifida*

PC

Bird Cherry *Prunus padus*

Stock

Bittersweet *Solanum dulcamara*

EBR,PC

Black Bryony *Tamus communis*

BOQ,WhdC,KQ

Black Horehound *Ballota nigra*

Oak

Black Medick *Medicago lupulina*

Stock,WhdC

Black Nightshade *Solanum nigrum*

Stock

Black-grass *Alopecurus myosuroides*

BW

Blackthorn *Prunus spinosa*

Braun,HambW,PC

Bladder Campion *Silene vulgaris*

BOQ

Blue Fleabane *Erigeron acer*

KQ

Bluebell *Hyacinthoides non-scripta*

TunnW,WhdC,BOQ,HambW,BW,PC

Bramble *Rubus fruticosus*

RWLr,EBR,Stock,WhdC

Bristly Oxtongue *Picris echioides*

DP,EBR

Broad-leaved Helleborine *Epipactis helleborine*

Ward

Broad-leaved Willowherb *Epilobium montanum*

Stock

Brooklime *Veronica beccabunga*

FH,PC,WhdC

Bugle *Ajuga reptans*

CPW,Stock,HambW,BW,PC

Bulbous Buttercup *Ranunculus bulbosus*

Stock

Burnet-saxifrage *Pimpinella saxifrage*

BOQ

Bush Vetch *Vicia sepium*

Stock

Butterbur *Petasites hybridus*

Ryll

Butterfly-bush *Buddleija sp*

Stock

#Butterfly Stonecrop (Ice Plant) *Sedum spectabile*

Stock

Carlina Thistle *Carlina vulgaris*

KQ,BOQ

Chalk Milkwort *Polygala calcarea*

BOQ

Cherry Laurel *Prunus laurocerasus*

CPQ

Cherry Plum *Prunus cerasifera*

Kett,Tin

Chicory *Cichorium intybus*

Man

Cleavers *Galium aparine*

Stock,WhdC,KQ,CPW,PC

Clustered Bellflower *Campanula glomerata*

BOQ

Cock's-foot *Dactylis glomerata*

WhdC,KQ,CPW,PC

<u>Colt's-foot</u> <i>Tussilago farfara</i>	<u>Creeping Thistle</u> <i>Cirsium arvense</i>
CPW,BW,KQ,Stock,MO,WCS,UPP	DP,Stock,BOQ,WhdC
<u>Common Bird's-foot-trefoil</u> <i>Lotus corniculatus</i>	<u>Creeping-Jenny</u> <i>Lysimachia nummularia</i>
BOQ,WhdC,CQ,Stock,BOQ	Stock
<u>Common Centaury</u> <i>Centaureum erythraea</i>	<u>Crested Dog's-tail</u> <i>Cynosurus cristatus</i>
KQ,BOQ	PC
<u>Common Chickweed</u> <i>Stellaria media</i>	<u>Crown Vetch</u> <i>Coronilla varia</i>
Stock,HambW,BW	Greet
<u>Common Comfrey</u> <i>Symphytum officinale</i>	<u>Cuckooflower</u> <i>Cardamine pratensis</i>
Stock	WhdC,HambW,BW
<u>Common Dog-violet</u> <i>Viola riviniana</i>	<u>Curled Dock</u> <i>Rumex crispus</i>
Stock,PC	WhdC
<u>Common Evening Primrose</u> <i>Oenothera biennis</i>	<u>Cut-leaved Crane's-bill</u> <i>Geranium dissectum</i>
NLuff	EBR
<u>Common Field-speedwell</u> <i>Veronica persica</i>	<u>Daffodil</u> <i>Narcissus pseudonarcissus ssp</i>
Stock	HambW,PC
<u>Common Figwort</u> <i>Scrophularia nodosa</i>	<u>Daisy</u> <i>Bellis perennis</i>
BOQ	EBR,BOQ,HambW,BW
<u>Common Fleabane</u> <i>Pulicaria dysenterica</i>	<u>Dandelion</u> <i>Taraxacum officinale agg</i>
FH	EBR,Stock,HambW,BOQ,BW,PC,CPW
<u>Common Fumitory</u> <i>Fumaria officinalis</i>	<u>Danish Scurvy-grass</u> <i>Cochlearia danica</i>
Stock	Hamb,Tick
<u>Common Gromwell</u> <i>Lithospermum offinale</i>	<u>Deadly Nightshade</u> <i>Atropa belladonna</i>
CQ,BOQ	BOQ,KQ
<u>Common Hemp-nettle</u> <i>Galeopsis tetrahit</i>	<u>Dog Rose</u> <i>Rosa canina</i>
Stock	BOQ,KQ,CPW,PC
<u>Common Knapweed</u> <i>Centaurea nigra</i>	<u>Dog's Mercury</u> <i>Mercurialis perennis</i>
Stock	BarnsLW,BarnsW,WhdC,PC,CPW
<u>Common Marsh-bedstraw</u> <i>Galium palustre</i>	<u>Dogwood</u> <i>Cornus sanguinea</i>
CPW	RWLr
<u>Common Milkwort</u> <i>Polygala vulgaris</i>	<u>Dove's-foot Crane's-bill</u> <i>Geranium molle</i>
CQ,KQ	EBR,Stock,CPW
<u>Common Nettle</u> <i>Urtica dioica</i>	<u>Dwarf Mallow</u> <i>Malva neglecta</i>
Stock,WhdC	Stock
<u>Common Poppy</u> <i>Papaver rhoeas</i>	<u>Dwarf Thistle</u> <i>Cirsium acaule</i>
Stock	KQ,BOQ,HM,E xt
<u>Common Ragwort</u> <i>Senecio jacobaea</i>	<u>Early Dog-violet</u> <i>Viola reichenbachiana</i>
EBR,KQ,Stock,WhdC	PC,CPW
<u>Common Rock-rose</u> <i>Helianthemum nummularium</i>	<u>Early Marsh-orchid</u> <i>Dactylorhiza incarnate</i>
BOQ,HM,Ext,CQ	PGW(250)
<u>Common Spotted-orchid</u> <i>Dactylorhiza fuchsia</i>	<u>Early-purple Orchid</u> <i>Orchis mascula</i>
BOQ(2),CQ(1,448),KQ,CPW,PC	NewellW (50+)
<u>Common Toadflax</u> <i>Linaria vulgaris</i>	<u>Elder</u> <i>Sambucus nigra</i>
BOQ	BOQ,WhdC,Braun
<u>Common Twayblade</u> <i>Listera ovata</i>	<u>Elm</u> <i>Ulmus sp</i>
CQ,KQ	Braun
<u>Common Vetch</u> <i>Vicia sativa</i>	<u>Equal-leaved Knotgrass</u> <i>Polygonum arenastrum</i>
CPW,PC	EBR
<u>Common Whitlowgrass</u> <i>Erophila verna</i>	<u>Fairy Flax</u> <i>Linum catharticum</i>
Bden,Stock	KQ,BOQ,CQ
<u>Corn Marigold</u> <i>Chrysanthemum segetum</i>	<u>Fat-hen</u> <i>Chenopodium album</i>
Prest,Cottes	EBR,Stock
<u>Corn Mint</u> <i>Mentha arvensis</i>	<u>Feverfew</u> <i>Tanacetum parthenium</i>
Stock	Stock
<u>Corn Parsley</u> <i>Petroselinum segetum</i>	<u>Field Bindweed</u> <i>Convolvulus arvensis</i>
WhdC	Stock,WhdC
<u>Cotton Thistle</u> <i>Onopordum acanthium</i>	<u>Field Forget-me-not</u> <i>Myosotis arvensis</i>
Stock	WhdC,HambW,BOQ,PC
<u>Cowslip</u> <i>Primula veris</i>	<u>Field Horsetail</u> <i>Equisetum arvense</i>
CPW,Pick,SLuff,Bden,Tix,Kett,Braun,WhdC	KW,CPW,PC
<u>Crab Apple</u> <i>Malus sylvestris</i>	<u>Field Maple</u> <i>Acer campestre</i>
Stock,HambW,BW	Stock,Braun,CPW
<u>Creeping Buttercup</u> <i>Ranunculus repens</i>	<u>Field Pansy</u> <i>Viola arvensis</i>
BOQ,EBR,KQ,WhdC,Stock	Stock
<u>Creeping Cinquefoil</u> <i>Potentilla reptans</i>	<u>Field Penny-cress</u> <i>Thlaspi arvense</i>
KQ,Stock,BOQ,WhdC,CPW,BW	Stock

<u>Field Scabious</u> <i>Knautia arvensis</i>	<u>Hazel</u> <i>Corylus avellana</i>
BOQ,Tin,WhdC	Stock,Man
<u>Foxglove</u> <i>Digitalis purpurea</i>	<u>Hedge Bedstraw</u> <i>Galium mollugo</i>
BW	EBR,BOQ,WhdC
<u>Garlic Mustard</u> <i>Alliaria petiolata</i>	<u>Hedge Bindweed</u> <i>Calystegia sepium</i>
Stock	Stock
<u>Germander Speedwell</u> <i>Veronica chamaedrys</i>	<u>Hedge Woundwort</u> <i>Stachys sylvatica</i>
EBR,BOQ,WhdC,HambW,BW	EBR,CPW,PC
<u>Gipsywort</u> <i>Lycopus europaeus</i>	<u>Herb-Robert</u> <i>Geranium robertianum</i>
Stock	EBR,Stock,CPW,BW
<u>Glaucous Sedge</u> <i>Carex flacca</i>	<u>Hoary Plantain</u> <i>Plantago media</i>
KQ,CPW,BOQ	BOQ,Stock
<u>Goat Willow</u> <i>Salix caprea</i>	<u>Hogweed</u> <i>Heracleum sphondylium</i>
CPW	DP,PC
<u>Goat's-beard</u> <i>Tragopodon pratensis</i>	<u>Hop Trefoil</u> <i>Trifolium campestre</i>
WhdC,CPW	WhdC
<u>Goat's-rue</u> <i>Galega officinalis</i>	<u>Hornbeam</u> <i>Carpinus betulus</i>
Ward	Stock
<u>Golden Dock</u> <i>Rumex maritimus</i>	<u>Horse-radish</u> <i>Armoracia rusticana</i>
HambW	Stock
<u>Golden Weeping Willow</u> <i>Salix sp</i>	<u>Hound's-tongue</u> <i>Cynoglossum officinale</i>
Stock	BOQ
<u>Gorse</u> <i>Ulex europaeus</i>	<u>#Hybrid Geum</u> <i>Geum x intermedium</i>
RWLr,KQ	CPW
<u>Great Lettuce</u> <i>Lactuca virosa</i>	<u>Ivy</u> <i>Hedera helix</i>
KQ	Stock
<u>Great Mullein</u> <i>Verbascum thapsus</i>	<u>Ivy-leaved Speedwell</u> <i>Veronica hederifolia agg</i>
BOQ	KQ,Stock,HambW
<u>Great Willowherb</u> <i>Epilobium hirsutum</i>	<u>Kidney Vetch</u> <i>Anthyllis vulneraria</i>
BOQ,WhdC	Stock,BOQ
<u>Great Wood-rush</u> <i>Luzula sylvatica</i>	<u>Knapweed Broomrape</u> <i>Orobanche elatior</i>
KQ,PC	Tin,Tick
<u>Greater Butterfly-orchid</u> <i>Platanthera chlorantha</i>	<u>Knotgrass</u> <i>Polygonum aviculare agg</i>
CQ(41)	PC
<u>Greater Knapweed</u> <i>Centaurea scabiosa</i>	<u>Lady's Bedstraw</u> <i>Galium verum</i>
Tin	DP,BOQ,WhdC,Kett
<u>Greater Plantain</u> <i>Plantago major</i>	<u>Lesser Burdock</u> <i>Arctium minus</i>
PC	WhdC
<u>Greater Stitchwort</u> <i>Stellaria holostea</i>	<u>Lesser Celandine</u> <i>Ranunculus ficaria</i>
CPW,HambW,BW	Seat,CPW,Stock,WhdC,HambW,BW,PC
<u>Green Alkanet</u> <i>Pentaglossis sempervirens</i>	<u>Lesser Stitchwort</u> <i>Stellaria graminea</i>
Lang	DP,CPW,PC
<u>Green Hellebore</u> <i>Helleborus viridis</i>	<u>Lesser Trefoil</u> <i>Trifolium dubium</i>
CPW	CPW
<u>Grey Sedge</u> <i>Carex divulsa leersii</i>	<u>Lords-and-Ladies</u> <i>Arum maculatum</i>
WhdC	WhdC,HambW,BW
<u>Ground-elder</u> <i>Aegopodium podagraria</i>	<u>Many-seeded Goosefoot</u> <i>Chenopodium polyspermum</i>
Stock,HambW	HambW
<u>Ground-ivy</u> <i>Glechoma hederacea</i>	<u>Marsh Dock</u> <i>Rumex palustris</i>
WhdC,HambW,BW,PC	HambW
<u>Groundsel</u> <i>Senecio vulgaris</i>	<u>Marsh Thistle</u> <i>Cirsium palustre</i>
EBR,Stock,WhdC,BW	PC
<u>Guelder-rose</u> <i>Viburnum opulus</i>	<u>Meadow Buttercup</u> <i>Ranunculus acris</i>
BW	BOQ,KQ
<u>Hairy Bitter-cress</u> <i>Cardamine hirsuta</i>	<u>Meadow Crane's-bill</u> <i>Geranium pratense</i>
Stock	RWLr
<u>Hairy Violet</u> <i>Viola hirta</i>	<u>Meadow Foxtail</u> <i>Alopecurus pratensis</i>
BOQ	WhdC,BW
<u>Hard Rush</u> <i>Juncus inflexus</i>	<u>Meadow Vetchling</u> <i>Lathyrus pratensis</i>
WhdC	DP,BOQ
<u>Harebell</u> <i>Campanula rotundifolia</i>	<u>Meadowsweet</u> <i>Filipendula ulmaria</i>
BOQ,FH	WhdC,CPW
<u>Hawkweed</u> <i>Hieracium sp</i>	<u>Midland Hawthorn</u> <i>Crataegus laevigata</i>
Stock	HambW,Ggorse
<u>Hawthorn</u> <i>Crataegus monogyna</i>	<u>Moschatel</u> <i>Adoxa moschatellina</i>
Stock,Braun,WhdC	BarnsW

<u>Mouse-ear-hawkweed</u> <i>Pilosella officinarum</i>	<u>Salad Burnet</u> <i>Sanguisorba minor</i>
KQ,BOQ	BOQ,KQ
<u>Musk-mallow</u> <i>Malva moschata</i>	<u>Scarlet Pimpernel</u> <i>Anagallis arvensis</i>
WhdC	Stock
<u>Musk Thistle</u> <i>Carduus nutans</i>	<u>Selfheal</u> <i>Prunella vulgaris</i>
FH	Stock,BOQ
<u>Nettle-leaved Bellflower</u> <i>Campanula trachelium</i>	<u>Shepherd's-purse</u> <i>Capsella bursa-pastoris</i>
WhdC,Ext	EBR,Stock
<u>Nipplewort</u> <i>Lapsana communis</i>	<u>Silverweed</u> <i>Potentilla anserina</i>
EBR,WhdC	EBR,Stock,CPW,BW
<u>Oak</u> <i>Quercus sp</i>	<u>Skullcap</u> <i>Scutellaria galericulata</i>
Stock	BW
<u>Opium Poppy</u> <i>Papaver sonmiferum</i>	<u>Slender Speedwell</u> <i>Veronica filiformis</i>
Stock	Stock
<u>Opposite-leaved Golden Saxifrage</u> <i>Chrysosplenium oppositifolium</i>	<u>Small Scabious</u> <i>Scabiosa columbaria</i>
PC	BOQ,Kett
<u>Oxeye Daisy</u> <i>Leucanthemum vulgare</i>	<u>Small Toadflax</u> <i>Chaenorhinum minus</i>
Stock,KQ	EBR
<u>Perennial Rye-grass</u> <i>Lolium perenne</i>	<u>Smooth Hawk's-beard</u> <i>Crepis capillaris</i>
CPW	WhdC,Stock
<u>Perforate St John's-wort</u> <i>Hypericum perforatum</i>	<u>Smooth Sow-thistle</u> <i>Sonchus oleraceus</i>
BOQ,WhdC	Stock
<u>Pineappleweed</u> <i>Matricaria discoidea</i>	<u>Smooth Tare</u> <i>Vicia tetrasperma</i>
Stock	CPW
<u>Prickly Sow-thistle</u> <i>Sonchus asper</i>	<u>Snowdrop</u> <i>Galanthus nivalis</i>
Stock,WhdC	Whit
<u>Primrose</u> <i>Primula vulgaris</i>	<u>Soft-brome</u> <i>Bromus hordeaceus</i>
CPW,Bden,HambW,BW,PC	CPW,WhdC
<u>Pyramidal Orchid</u> <i>Anacamptis pyramidalis</i>	<u>Soft-rush</u> <i>Juncus effusus</i>
BOQ(20)	Stock,PC
<u>Quaking-grass</u> <i>Briza media</i>	<u>Southern Marsh-orchid</u> <i>Dactylorhiza praetermissa</i>
Kett,KQ	Emp(150)
<u>Ragged Robin</u> <i>Lychnis flos-cuculi</i>	<u>Spear Thistle</u> <i>Cirsium vulgare</i>
CPW,PC	WhdC
<u>Rape</u> <i>Brassica napus</i>	<u>Spurge-laurel</u> <i>Daphne laureola</i>
Stock	BOQ,Emp,PC
<u>Raspberry</u> <i>Rubus ideaus</i>	<u>Square-stalked Willowherb</u> <i>Epilobium tetragonum</i>
PC	KQ
<u>Red Bartsia</u> <i>Odontites vernus</i>	<u>Star-of-Bethlehem</u> <i>Ornithogalum angustifolium</i>
WhdC	WhdC
<u>Red Campion</u> <i>Silene dioica</i>	<u>Stinking Hellebore</u> <i>Helleborus foetidus</i>
PC,Tole,HambW	BW
<u>Red Clover</u> <i>Trifolium pratense</i>	<u>Sun Spurge</u> <i>Euphorbia helioscopia</i>
RWLR,Stock,WhdC	Stock
<u>Red Currant</u> <i>Ribes rubrum</i>	<u>Sweet Violet</u> <i>Viola odorata</i>
PC	BW
<u>Red Dead-nettle</u> <i>Lamium purpureum</i>	<u>Sycamore</u> <i>Acer pseudoplatanus</i>
Stock	Stock
<u>Red Goosefoot</u> <i>Chenopodium rubrum</i>	<u>Tansy</u> <i>Tanacetum vulgare</i>
HambW	Lang
<u>Redshank</u> <i>Persicaria maculosa</i>	<u>Thorn-apple</u> <i>Datura stramonium</i>
HambW,Stock	Man
<u>Remote Sedge</u> <i>Carex remota</i>	<u>Thyme-leaved Speedwell</u> <i>Veronica serpyllifolia</i>
PC	Stock,HambW,BW
<u>Rhododendron</u> <i>sp</i>	<u>Timothy</u> <i>Phleum pratense</i>
BW	Stock,PC
<u>Ribwort Plantain</u> <i>Plantago lanceolata</i>	<u>Toothwort</u> <i>Lathraea squamaria</i>
KQ	CPW
<u>Rosebay Willowherb</u> <i>Chamerion angustifolium</i>	<u>Tor-grass</u> <i>Brachypodium pinnatum</i>
Stock,BOQ	WhdC
<u>Rough Hawkbit</u> <i>Leontodon hispidus</i>	<u>Tormentil</u> <i>Potentilla erecta</i>
KQ	Stock
<u>Rowan</u> <i>Sorbus aucuparia</i>	<u>Traveller's-joy</u> <i>Clematis vitalba</i>
Stock	KQ,EBR
	<u>Tufted Vetch</u> <i>Vicia cracca</i>
	Stock,WhdC

Turkey Oak *Quercus cerris*
Stock
Upright Hedge-parsley *Torilis japonica*
WhdC,HambW
Violet *Viola sp*
Wg
Viper's-bugloss *Echium vulgare*
KQ,Stock,Kett,CQ
Water Avens *Geum rivale*
BW
Water Chickweed *Myosoton aquaticum*
HambW
Water Figwort *Scrophularia auriculata*
Oak
Wavy Bitter-cress *Cardamine flexuosa*
HambW,PC
Whitebeam *Sorbus aria* agg
Stock
White Bryony *Bryonia dioica*
BOQ,WhdC
White Champion *Silene latifolia*
Stock,WhdC
White Clover *Trifolium repens*
Stock,WhdC
White Dead-nettle *Lamium album*
EBR,Stock,WhdC,HambW,BOQ,BW,PC
Wild Basil *Clinopodium vulgare*
BOQ,WhdC
Wild Carrot *Daucus carota*
KQ
Wild Cherry *Prunus avium*
Stock
Wild Marjoram *Origanum vulgare*
BOQ
Wild Mignonette *Reseda lutea*
BOQ
Wild Pansy *Viola tricolor*
Stock
Wild Parsnip *Pastinaca sativa*
BOQ
Wild Privet *Ligustrum vulgare*
BOQ
Wild Service-tree *Sorbus torminalis*
WhdC

Wild Strawberry *Fragaria vesca*
BOQ
Wild Teasel *Dipsacus fullonum*
KQ
Wild Thyme *Thymus polytrichus*
BOQ,KQ
Willowherb *Epilobium sp*
BOQ
Winter-cress *Barbarea vulgaris*
Stock,BW
Wood Anemone *Anemone nemorosa*
CPW,Bden,Stock,Ext,PC
Wood Avens *Geum urbanum*
EBR,BOQ,CPW,HambW
Wood Forget-me-not *Myosotis sylvatica*
PC,Stock
Wood Millet *Milium effusum*
PC
Wood Vetch *Vicia sylvatica*
CQ
Woodruff *Galium odoratum*
PC
Wood-sedge *Carex sylvatica*
KQ,CPW,PC,HambW
Wood-sorrel *Oxalis acetosella*
BW,PC
Woolly Thistle *Cirsium eriophorum*
Mor,Bden,FH
Yarrow *Achillea millefolium*
DP,EBR,Stock,WhdC
Yellow Archangel *Lamiastrum galeobdolon*
HambW,PC
Yellow Iris *Iris pseudacorus*
Stock
Yellow Water-lily *Nuphar lutea*
Thorpe-by-Water
Yellow-rattle *Rhinanthus minor*
BOQ,CQ,CPW,PC
Yellow-wort *Blackstonia perfoliata*
KQ,BOQ
Yorkshire-fog *Holcus lanatus*
CPW,PC

RUTLAND ROADSIDE VERGE NATURE RESERVES 2010

See map on page 29.

Verge 1: Barrowden East side

R Archer

Agrimony
Bittercress sp
Blackthorn
Bladder Champion
Cleavers
Common Chickweed
Common Dog-violet
Common Fumitory
Common Field-speedwell
Common Mallow
Common Nettle
Common Poppy
Common Ragwort

Common Restharrow
Common Toadflax
Cow Parsley
Creeping cinquefoil
Curled Dock
Daffodil (garden)
Dandelion
Devil's-bit Scabious
Elder
Field Bindweed
Field Scabious
Garlic Mustard
Goat's-beard

Greater Knapweed
Ground Ivy
Groundsel
Hedge Bedstraw
Hedge Bindweed
Honesty
Knapweed Broomrape (5)
Lady's Bedstraw
Lesser Stitchwort
Lesser Trefoil
Meadow Vetchling
Perforate St John's-wort
Pink Champion

Prickly Lettuce
Red Dead-nettle
Shepherd's-purse

Sow-thistle sp
Upright Hedge-parsley
White Campion

White Deadnettle
Wood Avens
Yarrow

Also: Butterfly: Small White; Bee: Red-tailed Bumble on Gr Knapweed; Snails: small on Dock leaves; Beetle: small, bright blue; Gall: Robin's Pincushion on young Dog Rose; Mammal: large holes in verge and hedge bottom (?rabbits/badgers).

West side

Agrimony
Black Horehound
Blackthorn
Bladder Campion
Bramble
Broad-leaved Dock
Cleavers
Common Field-speedwell
Common Knapweed
Common Nettle
Common Ragwort
Common Toadflax

Creeping Cinquefoil
Curled Dock
Dandelion
Devil's-bit Scabious
Dog Rose
Dog's Mercury
Field Bindweed
Field Scabious
Germander Speedwell
Greater Knapweed
Greater Periwinkle
Greater Plantain

Goat's-beard
Ground Ivy
Knapweed Broomrape(3)
Meadow Buttercup
Meadow Vetchling
Ribwort Plantain
Silverweed
Upright Hedge-parsley
White Campion
Wood Avens
Yarrow

Also: Bird: nest in hedge; Bee: Red-tailed bumble; Snails: 2 on Dock leaves; Gall: Robin's Pincushion on rose; Mammal: Molehills: 2.

Verge 2: Barrowden

G and L Worrall

Broad-leaved Dock
Bulbous Buttercup
Cleavers

Common Nettle
Cow Parsley
Dwarf Elder

Field Bindweed
Hawthorn
White Dead-nettle

Verge 3: Barrowden

G Worrall

Agrimony
Black Medick
Bladder Campion
Bramble
Broad-leaved Dock
Broad-leaved Everlasting-pea
Bulbous Buttercup
Common Bird's-foot-trefoil
Common Knapweed
Common Mallow
Common Nettle
Common Toadflax

Cow Parsley
Creeping Thistle
Dandelion
Elder
Field Bindweed
Field Scabious
Greater Knapweed
Hawthorn
Hedge Bedstraw
Hedge Bindweed
Hogweed
Lady's Bedstraw

Meadow Buttercup
Oxeye Daisy
Red Clover
Snowberry
Spear Thistle
Sweet Violet (West blue, East white)
Sycamore
Upright Hedge-parsley
White Clover
White Dead-nettle
Wild Basil
Yarrow

Also: Glow-worms: singles on east and west verges June 15th to 27th; June 28th very good count of 16 on west.

Verge 4: Empingham

J Mallett, A Malcolm

Agrimony
Aconite
Autumn Hawkbit
Blackthorn
Black Horehound
Black Medick
Bladder Campion
Bluebell
Bramble
Broad-leaved Dock
Burnet-saxifrage
Bush Vetch
Clustered Bellflower
Common Bird's-foot-trefoil
Common Knapweed

Common Nettle
Common Poppy
Common Ragwort
Common Restharrow
Common Sorrel
Common Toadflax
Cowslip
Cow Parsley
Creeping Buttercup
Creeping Cinquefoil
Creeping Thistle
Curled Dock
Daffodil (garden)
Daisy
Dandelion

Dog Rose
Dogwood
Dove's-foot Crane's-bill
Dwarf Mallow
Dwarf Thistle
Elder
Fat-hen
Field Bindweed
Field Forget-me-not
Field Scabious
Garlic Mustard
Germander Speedwell
Goat's-beard
Goldilocks Buttercup
Greater Knapweed

Greater Plantain	Meadow Buttercup	Small Scabious
Ground Ivy	Meadow Crane's-bill	Spear Thistle
Harebell	Meadow Vetchling	Spindle
Hawkbit sp	Mugwort	Star-of-Bethlehem
Hawkweed sp	Musk Mallow	Upright Hedge-parsley
Hedge Bedstraw	Narrow-leaved Bird's-foot-trefoil	Viburnum sp
Hedge Mustard	Nipplewort	White Campion
Hedge Woundwort	Oxeye Daisy	White Clover
Hogweed	Perforate St John's-wort	White Dead-nettle
Hop Trefoil	Pineappleweed	Wild Basil
Ivy-leaved Speedwell	Pink Clover	Wild Mignonette
Knapweed Broomrape (4)	Red Bartsia	Wild Privet
Knotgrass	Red Clover	Wood Avens
Lady's Bedstraw	Red Deadnettle	Yarrow
Lesser Celandine	Ribwort Plantain	Yellow Vetchling
Lesser Stitchwort	Salad Burnet	Yellow-wort
Lesser Trefoil	Scentless Mayweed	

Verge 5: Essendine

Botany not recorded this year. *Glow-worms: A and G Chiverton*

Glow-worms: July 1st: 1 on NE verge, 7 in grassland cutting top between verge and railway and 1 in field across railway. Very low numbers for the site, but grass was high on cutting top and there may have been more.

Verge 6 (South): Exton

J Mallett

Black Bryony	Hop	Wild Basil
Black Horehound	Meadow Crane's-bill	
Greater Burdock	Traveller's-joy	

Verge 7: Gt Casterton

R Lemmon, M Grimes

Agrimony	Creeping Cinquefoil	Hairy Bittercress
Ash	Creeping Thistle	Hawthorn
Barren Strawberry	Curled Dock	Hedge Bedstraw
Bee Orchid	Daffodil (garden)	Hedge Bindweed
Blackthorn	Daisy	Hedge Mustard
Black Bryony	Dandelion	Hedge Woundwort
Black Horehound	Dog Rose	Herb Robert
Black Medick	Dog's Mercury	Hoary Plantain
Bladder Campion	Dogwood	Hogweed
Bluebell	Dove's-foot Crane's-bill	Hop Trefoil
Bracken	Duke of Argyll's Teaplant	Horse-radish
Bramble	Elder	Ivy
Bristly Ox-tongue	Fairy Flax	Ivy-leaved Speedwell
Broad-leaved Dock	False Oat-grass	Knapweed Broomrape
Bulbous Buttercup	Fat-hen	Knotgrass
Burnet-saxifrage	Field Bindweed	Lady's Bedstraw
Charlock	Field Horsetail	Lesser Burdock
Cleavers	Field Maple	Lesser Celandine
Clustered Bellflower	Field Mouse-ear	Lords-and-Ladies
Cock's-foot	Field Pansy	Lucerne
Common Bird's-foot-trefoil	Field Scabious	Meadow Buttercup
Common Chickweed	Garlic Mustard	Meadow Crane's-bill
Common Knapweed	Garden Grape-hyacinth	Meadow Foxtail
Common Mallow	Germander Speedwell	Meadow Vetchling
Common Nettle	Glaucous Sedge	Midland Hawthorn
Common Poppy	Goat's-beard	Mugwort
Common Ragwort	Goldilocks Buttercup	Narrow-leaved Hawkweed
Common Restharrow	Great Willowherb	Nettle-leaved Bellflower
Common Sorrel	Greater Burnet-saxifrage	Nipplewort
Common Toadflax	Greater Knapweed	Perennial Rye-grass
Common Vetch	Greater Plantain	Perforate St John's-wort
Common Whitlowgrass	Greater Stitchwort	Pineappleweed
Cow Parsley	Ground-ivy	Quaking-grass
Cowslip	Groundsel	Red Bartsia
Creeping Buttercup	Guelder Rose	Red Clover

Red Dead-nettle	Smooth Meadow-grass	Wayfaring Tree
Ribwort Plantain	Snow-in-summer	White Bryony
Rosebay Willowherb	Square-stemmed Willowherb	White Campion
Rough Sow-thistle	Star-of-Bethlehem	White Clover
Salad Burnet	Spindle	White Dead-nettle
Scarlet Pimpernel	Spear Thistle	Wild Basil
Scentless Mayweed	Spreading Meadow-grass	Wild Liquorice
Sessile Oak	Spurge Laurel	Wild Marjoram
Shepherd's-purse	Sun Spurge	Wild Mignonette
Silverweed	Sycamore	Wild Onion
Sloe	Timothy	Wild Privet
Small Scabious	Tufted Vetch	Wood Avens
Smaller Cat's-tail	Upright Hedge-parsley	Yarrow
Smooth Hawk's-beard	Walnut	Yellow Archangel

Also: Birds: Bullfinch, Carrion Crow, Chaffinch, Corn Bunting, Goldfinch, Hedge Sparrow, House Martin, House Sparrow, Lapwing, Red Kite, Robin, Rook, Song Thrush, Starling, Yellowhammer. Butterflies: Green-veined White, Peacock, Small Tortoiseshell, Small White, Large White, Brimstone, Orange Tip, Ringlet, Meadow Brown, Common Blue, Gatekeeper, Grizzled Skipper, Small Heath. Moth: Silver-Y. Bumblebees: *Bombus pascuorum* Common carder, *B hortorum* Garden, *B lapidarius* Red-tailed, *B pratorum* Early, *B terrestris* Buff-tailed, Vestal Cuckoo *Psithyrus vestalis*. Insects: 7-spot Ladybird, Bee-fly, Soldier Beetle *Cantharis rustica*. Mammals: 1 Rabbit with myxomatosis, rabbit burrows (inhabited), 6 Fallow Deer. Snail: *Monacha cantiana* on Lesser Celandine. Galls: Robin's Pincushion and Pea galls on Dog Rose, Leaf gall on Spindle; by rusts: on Common Mallow, *Puccinia lapsanae* on Nipplewort, *Uromyces dactylidis* on Lesser Celandine, White Blister on Goat's-beard; by mites: *Eriophyes prunus spinosae* on Sloe, *Aceria erineus* on Walnut. Fungi: Powdery Mildews: *Erysiphe heraclei* on Hogweed, *Sphaerotheca fusca* on Dandelion; powdery mildews also on Red Clover, Meadow Crane's-bill, Common Knapweed, Rough Sow-thistle, Creeping Buttercup, Lords-and-Ladies and Dogwood; rusts on Common Mallow, Creeping Thistle and Anther rust on White Campion; smut *Entyloma ficariae* on Lesser Celandine.

Verge 8: Gt Casterton (SSSI) G Chiverton

Agrimony	Elder	Perforate St John's-wort
Ash	Fairy Flax	Pyramidal Orchid (15)
Black Bryony	Fat-hen	Red Clover
Bladder Campion	Field Bindweed	Red Dead-nettle
Bulbous Buttercup	Field Maple	Ribwort Plantain
Burnet-saxifrage	Field Scabious	Salad Burnet
Cleavers	Garlic Mustard	Small Scabious
Common Bird's-foot-trefoil	Germander Speedwell	Smooth Sow-thistle
Common Dog-violet	Greater Knapweed	Spear Thistle
Common Field-speedwell	Ground-ivy	Spindle
Common Knapweed	Groundsel	Spurge Laurel
Common Mouse-ear	Hairy Violet	Star-of-Bethlehem
Common Nettle	Harebell	Sulphur Clover
Common Poppy	Hawthorn	Sweet Violet
Common Restharrow	Hedge Bedstraw	Wayfaring Tree
Common Rock-rose	Hoary Plantain	White Campion
Common Toadflax	Hogweed	White Dead-nettle
Common Vetch	Knapweed Broomrape	Wild Basil
Cow Parsley	Lesser Celandine	Wild Liquorice
Cowslip	Lesser Hawkbit	Wild Marjoram
Creeping Thistle	Lesser Sea-spurrey	Wild Mignonette
Daisy	Meadow Crane's-bill	Wild Privet
Dandelion	Meadow Vetchling	Wood Avens
Dog Rose	Pedunculate Oak	

Also: Birds: Skylarks above adjoining land (most seen, 3), Chaffinches, Blue Tits, Blackbird. Butterflies: Speckled Wood(1), Tortoiseshell(1), Meadow Browns, Ringlets, Gatekeepers. Moth: 7-spot Burnet(3). Crickets: Dark Bush nymphs and Roesel's Bush (stridulating).

Verge 9: Greetham Not recorded this year

Verge 10: Ketton A Tomlinson

Agrimony	Common Nettle	Cow Parsley
Common Bird's-foot-trefoil	Common Restharrow	Cowslip
Common Knapweed	Common Sorrel	Creeping Buttercup

Creeping Thistle	Hoary Plantain	Red Bartsia
Curled Dock	Hogweed	Red Clover
Dog Rose	Knapweed Broomrape (44 spikes)	Silverweed
Elder	Meadow Buttercup	Tufted Vetch
Field Bindweed	Meadow Crane's-bill	White Clover
Field Scabious	Meadow Vetchling	Yarrow
Greater Knapweed		

Verges 11, 12, 13: Ryhall *Not recorded this year.*

Verge 14: South Luffenham *A Tomlinson*

Agrimony	Cowslip	Meadow Crane's-bill
Bladder Campion	Creeping Buttercup	Pyramidal Orchid (388)
Common Bird's-foot-trefoil	Field Bindweed	Red Clover
Common Knapweed	Field Scabious	Selfheal
Common Nettle	Greater Knapweed	Tufted Vetch
Common Restharrow	Ground-ivy	White Clover
Common Spotted-orchid (1)	Hedge Bedstraw	Yarrow
Common Vetch	Hogweed	
Cow Parsley	Meadow Buttercup	

Verge 15: Thistleton *J Ostler*

Agrimony	Cut-leaved Crane's-bill	Meadow Buttercup
Autumn Hawkbit	Daisy	Oxeye Daisy
Black Medick	Dandelion	Red Bartsia
Bristly Ox-tongue	Dog Rose	Red Clover
Broad-leaved Dock	Field Bindweed	Ribwort Plantain
Bulbous Buttercup	Field Pennywort	Rosebay Willowherb
Bush Vetch	Field Scabious	Rough Chervil
Cleavers	Garlic Mustard	Scarlet Pimpernel
Colt's-foot	Germander Speedwell	Scentless Mayweed
Common Bird's-foot-trefoil	Goat's-beard	Selfheal
Common Chickweed	Greater Knapweed	Silverweed
Common Mouse-ear	Greater Plantain	Sweet Violet
Common Knapweed	Groundsel	Tufted Vetch
Common Nettle	Ground Ivy	Upright Hedge-parsley
Common Restharrow	Hairy Tare	White Campion
Common Sorrel	Hedge Bedstraw	White Clover
Common Vetch	Herb Robert	White Dead-nettle
Cow Parsley	Hoary Plantain	Wild Mignonette
Cowslip	Hogweed	Wood Avens
Creeping Buttercup	Lady's Bedstraw	Woundwort
Creeping Cinquefoil	Lesser Celandine	
Creeping Thistle	Lords-and-Ladies	

Also: Birds: Chaffinch, Dunnock, English Partridge, Blackbird (evidence of nesting), Blue Tit, Great Tit, Yellowhammer, Whitethroat (in hedges), Red Kite, Kestrel, Crow (overhead), Magpie, Skylark nesting in adjacent field, Fieldfare in adjacent field. Mammals: Hare, dead Rat, Fieldmouse nest under cardboard box, Molehills, evidence of Fox, Rabbits abundant, warren all on NE bank, some myxomatosis in April. Butterflies: Small White, Small Tortoiseshell, Brimstone, Orange Tip, Gatekeeper, Meadow Brown, Ringlet, Small Skipper, Green-veined White. Bees: *Apis mellifera*, *Bombus lapidarius*, *B terrestris*, *B lucorum*, *B pascuorum*. Other invertebrates: 7-spot Ladybird, Bee-fly *Bombylius major*, Hoverfly *Syrphus ribesii*, Millipede *Tachypodiulus niger*, Dark-lipped Banded Snail. Straw bales used to block gaps in hedge. Drainage grips cut.

Verge 16: Empingham (Bloody Oaks) *G Worrall*

Agrimony	Common Ragwort	Germander Speedwell
Black Medick	Common Restharrow	Goat's-beard
Bramble	Common Rockrose	Hedge Bedstraw
Broad-leaved Dock	Cow Parsley	Hedge Parsley
Clustered Bellflower	Daisy	Hoary Plantain
Common Bird's-foot-trefoil	Dandelion	Hogweed
Common Centaury	Eyebright	Meadow Buttercup
Common Knapweed	Field Bindweed	Oxeye Daisy

Perforate St John's-wort
 Red Clover
 Ribbed Melilot
 Rosebay Willowherb
 Salad Burnet
 Selfheal
 Small Scabious

Small-flowered Crane's-bill
 Southern Marsh Orchid
 Spear Thistle
 Weld
 White Campion
 White Clover
 Wild Basil

Wild Marjoram
 Wild Parsnip
 Wild Teasel
 Woolly Thistle
 Yellow-wort
 Yarrow

Also: Bird: Jay. Butterflies: Common Blue, Small Copper, Meadow Brown, Wall. Moth: Burnet (4). Invertebrate: Grasshoppers. Fungi: Livid Bolete *Boletus luridus*.

Verge 17: Barrowden

L Worrall

Bulbous buttercup
 Broad-leaved Dock
 Cleavers
 Common Nettle

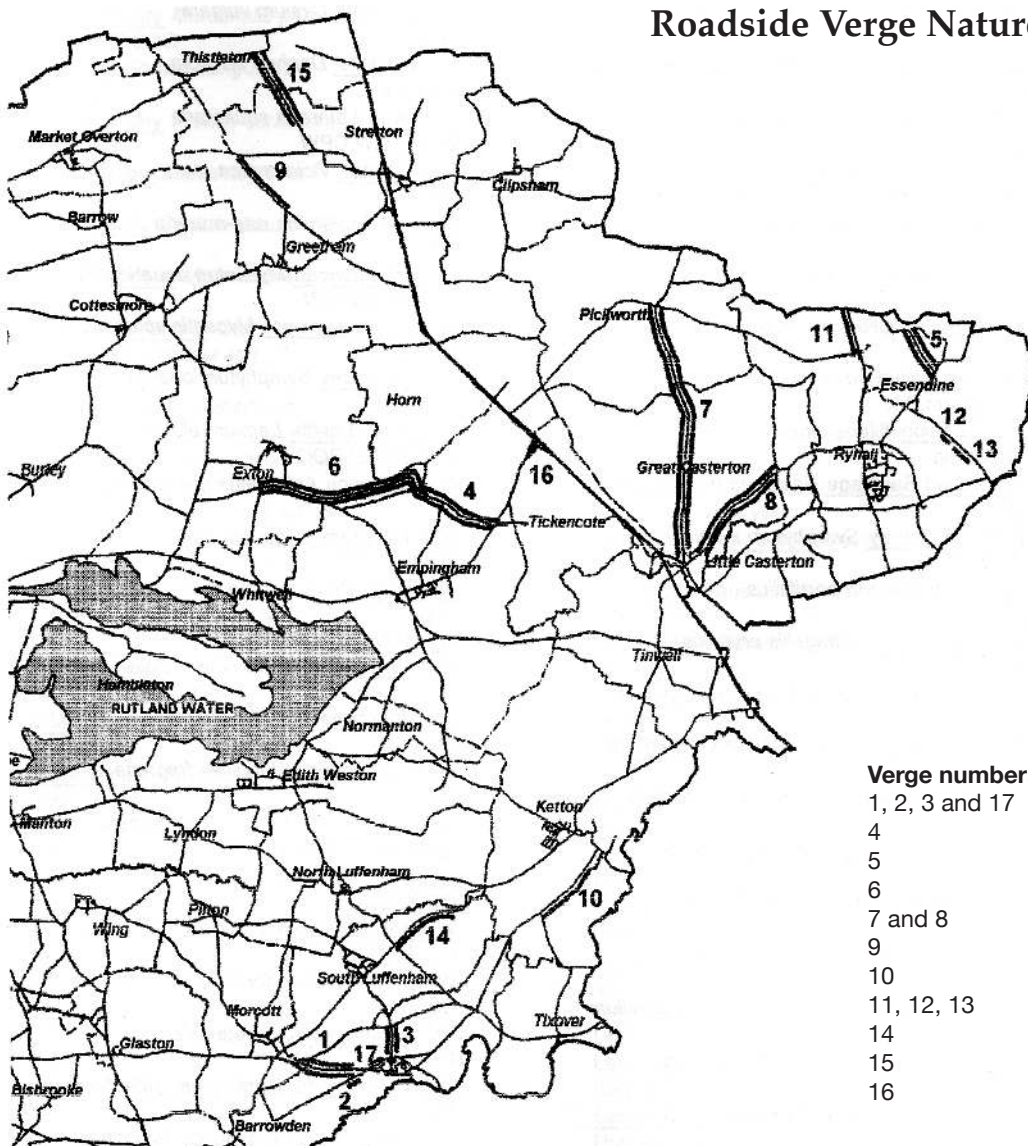
Cow Parsley
 Greater Plantain
 Field Bindweed
 Hogweed

Pineappleweed
 Scentless Mayweed

Also: Glow-worms: June 14th to July 20th: North, between end of new houses and field entrance at west of same field: 1 to 4 most nights; Field, with Wheat, as above, in entrance and field edge at beginning of hedge running north, 7 on June 15th, 1 on June 21st. Adjacent field to west, with Rape, 1 alongside same hedge with smaller field edge. South: June 15th: 1 opposite housing, in gateway to paddock. June 21st: paddock gateway and south verge to east and west cut, by unknown hand.

Shipley's Common SK 837057-839054 Between Brooke and Prior's Coppice *Not recorded this year*

Roadside Verge Nature Reserves



Verge numbers

1, 2, 3 and 17	Barrowden
4	Empingham
5	Essendine
6	Exton
7 and 8	Great Casterton
9	Greetham
10	Ketton
11, 12, 13	Ryhall
14	South Luffenham
15	Thistleton
16	Bloody Oaks

ENTOMOLOGY 2010

'Entomology' has five sections: Lepidoptera Report, 30; Orthoptera Report, 40; Plant Galls Report, 45; Insects and others, 47; and Glow-worm Report, 52.

Site abbreviations are given on page 72.

LEPIDOPTERA REPORT 2010

During 2010, a very similar total number of butterfly records overall were submitted by members, compared with those received during 2009. Some species, however, were seen more frequently and a few others less so. For example, Orange Tips had a very good season and Common Blues were said to be abundant in many areas during June and July. Records for both of these species were up by practically 50%. It is pleasing to note that Red Admirals were seen more frequently in the autumn this year and other species with an increased number of records were Grizzled and Dingy Skippers and Small Heaths.

Painted Ladies have been scarce, as there were very few migrants entering the country. The other species with lower numbers were Small Skipper, Large White and Green Veined White.

The most notable butterflies found in Rutland this summer were the Dark Green Fritillaries in Clipsham Quarry, with other singles seen at Rutland Water, Burley Wood and in a garden at Uppingham. The only past records for these that the Society holds are for one at Rutland Water in 1993 and three sightings at Ketton Quarry in 2003.

Frost and low temperatures until the end of March resulted in a poor start for the moth season but the remainder of the year (with the exception of a cold spell in May) produced higher numbers at trapping sessions. 2010 ended as being better than the previous three years when numbers had declined somewhat. Very few migrants were seen in our area this year.

At Eyebrook Reservoir, where traps were operated fortnightly from April to September, twenty new species were added to the list for the site, and this is after eleven years of trapping there. Fifteen of these were micro-moths and the five macro-moths were Cream-Bordered Green Pea (a Nationally scarce species), White Marked (an uncommon moth which has had a good year in the district), the Coronet, Little Emerald and Lesser Common Rustic.

The species totals from the garden trap at Barrowden were up by 10% from 2009. Here, four new moths were identified, these being Ruddy Carpet, Blossom Underwing, Blotched Emerald and the Concolorus, which is extremely local in Midland Counties.

Finally, a new species caught at Rutland Water was Reddish Light Arches; and a micro-moth, the Spindle Ermine, produced spectacular sights both there and at Morcott when thousands of caterpillars were found on silken webs having de-foliated the trees.

Jean Harvey

BUTTERFLIES

SMALL SKIPPER *Thymelicus sylvestris*

Both the number of records received and the number of imagos seen were much lower than in 2009.

Whereas last year there were reports of forty and even fifty being seen on one occasion, this year the maximum number reported was only fourteen. Sites were BCF BOQ BW Braun CQ Gorse GtCast LFP Lydd MM PGW and RWeg.

ESSEX SKIPPER *Thymelicus lineola*

Only one record came from BCF in late July.

LARGE SKIPPER *Ochlodes venata*

Good numbers of this species were seen at CQ KQ Leigh RWeg Strett and TbyW. Other sites were BOQ PGW and WhdC.

DINGY SKIPPER *Erynnis tages*

During May the maximum number seen in KQ was over twenty and at CQ it was fourteen. Others were found in BOQ MM and PGW.

GRIZZLED SKIPPER *Pyrgus malvae*

Several records came from KQ where over twenty were seen at the end of May. Other sites were A1/Pick BOQ EmpV4 and GtCast.

CLOUDED YELLOW *Colias croceus*

No records were received this year as most migrant species were scarce.

BRIMSTONE *Gonepteryx rhamni*

Early records this year came from Bden and Oak on February 23rd and the final sighting was of one in BarnsG on October 10th. Other sites were BarnsG Belt BW CPW CQ EW Gorse GtCastV7and 8 Kett KQ Norm PC PGW RWeg RWLr Sk Stock Strett TbyW and Wg.

LARGE WHITE *Pieris brassicae*

Numbers were slightly down compared with those of 2009, the season commencing in late April in Oakham and ending with a final sighting at Stock on October 7th. Other sites were A1 BCF Bden BOQ BW CQ EmpV4 Gorse GtCast HambW KQ MM PC PGW RWeg and TbyW.

SMALL WHITE *Pieris rapae*

This species was observed from April 17th at PC and then in numerous areas until September 18th at KQ. Other sites were Bden BOQ BW CPW CQ Gorse GtCastV7 Oak PGW RWeg RWLr Stock and Thist.

GREEN VEINED WHITE *Pieris napi*

During 2010 many fewer of this species were seen in our area. Most sightings were of single insects (a great contrast from 2009) and these were at Bden CQ GtCastV7 KQ Oak PC RWeg RWLr Stock and WhdC.

ORANGE TIP *Anthocharis cardamines*

Over fifty were found in PGW in May and other large numbers were reported from KQ PC and RWeg. Other records during this 'good' season came from Bden Braun Brk BW CQ EW Gorse GtCastV7 HambW MM Norm Oak Rid RWLr Sk Stock Strett Thist Wg and WhdC.

GREEN HAIRSTREAK *Callophrys rubi*

During May, several were seen in KQ on four occasions and two were found at BOQ.

PURPLE HAIRSTREAK *Quercusia quercus*

Several were recorded during June, July and August in BW. In late July three were seen in PGW.

WHITE LETTER HAIRSTREAK *Strymonidia w-album*

None were seen in our area this year.

SMALL COPPER *Lycaena phlaeas*

This species has maintained similar numbers to those of 2009, and they were seen from the end of May through to the beginning of October. Sites were BCF Braun Brk BW CPW CQ Gorse Leigh MM RWLr Stock and TbyW.

BROWN ARGUS *Aricia agestis*

Ten were found in CQ and eight in PGW, with individuals at GtCast and KQ.

COMMON BLUE *Polyommatus icarus*

These have had an excellent year and it is the species for which the largest number of records was submitted. Counts on individual visits included Leigh(55) CPW(46) CQ(46) Stock(35) and RWLr(23). Other locations were BCF Bden BOQ BW EmpV4 Gorse GtCast KQ MM Oak OakC NLuff PC RWeg StamQ Strett TBr TbyW and Tole.

HOLLY BLUE *Celastrina argiolus*

A slightly better year than in 2009, with eleven records for the first brood and ten for the second broods. Sites were Bden Bthpe Emp KQ Lang Oak RWeg Stock Strett and Wg.

RED ADMIRAL *Vanessa atalanta*

There were just a few sightings in May and June, and then by the autumn numbers had increased dramatically – with six records received during October and all these were from different locations. Sites were BarnsG BCF Bden BOQ Bthpe BW KQ LFP Oak Stock Upp and Wg.

PAINTED LADY *Cynthia cardui*

2010 has been a year when very few migrants were around and therefore only eight records were received for this species. These came from Leigh Oak PC and Thist.

SMALL TORTOISESHELL *Aglaia urticae*

Good numbers were observed frequently on plants at Stock from April to October. Ten were recorded at NLuff allotments in June and also at LFP in July. Other sites for smaller numbers were BCF Bden BOQ Braun BW CQ EW Gorse Greet GtCast KQ Man Oak PC RWeg RWLr Sk TBr Thist and Ward.

PEACOCK *Inachis io*

It has been yet another good year for this species. Fifty larvae were found in BW in July. The butterflies were said to be 'numerous' in KQ and twenty-one were counted in CQ. Other sites were BCF Bden Belt BOQ Braun CPW EW GtCast LFP Oak PC PGW RWeg RWLr Sk Stock Strett Tole Ward and Wg.

COMMA *Polygonia c-album*

Records ranged from March in BW to a final sighting at RWLr on November 3rd. They were mostly seen singly with the exception of eight in BW and six at BarnsG both in the autumn. Other sites were BarnsLW Bden Belt CPW CQ KQ Lang Oak PC Stock and TbyW.

DARK GREEN FRITILLARY *Argynnis aglaja*

This species is a new addition to our butterfly list. One was seen at Egl on July 2nd, there were four in CQ on July 4th, one in BW on July 21st and one in an Upp garden on July 25th.

SPECKLED WOOD *Pararge aegeria*

Usual numbers were maintained this year with the largest counts being RWLr(22) RWeg(10+) BW(18) and they were said to be 'abundant' in CQ. Other sites were Bden BOQ CPW Ext FlitPk Gorse GtCast Gun HambW KQ Norm Oak PC PGW Rid Stock Strett and Wg.

MARBLED WHITE *Melanargia galathia*

No extremely large numbers were reported this year as in 2009, and sightings were confined to the quarries as usual. These were KQ(15+) CQ(abundant) and a single seen at BOQ.

GATEKEEPER *Pyronia tithonus*

Numbers of this species were well down on 2009 reports. Maximum counts included CQ(19) CPW(9) KQ(7) PGW(7) and RWLr(7). Other sites were BCF Bden BOQ EBR Gorse GtCast Oak PC Stock and WhdC.

MEADOW BROWN *Maniola jurtina*

With this species, the number of records remained similar to last year but the number of insects seen on any one occasion was much lower. Whereas in 2009 some totals were over a hundred, the maximum

reported this year were CQ(19) and KQ(10+). Other sites were BCF Bden BOQ Gorse GtCast Leigh Oak PC PGW RWeg RWLr Stock Strett TBr Tole TbyW and WhdC.

SMALL HEATH *Coenonympha pamphilus*

Records for this species were double those submitted for 2009. The maximum numbers seen were CQ(20+) and KQ(10). They were said to be 'common' at StamQ and at Strett with other records coming from Bden Tole and WhdC.

RINGLET *Aphantopus hyperantus*

During June this species was said to be 'abundant' at CQ and Strett. High counts included BW(100+) and KQ(50+) and there were 'good numbers' in PC. Other sites were BCF Bden BOQ GtCast Oak PGW RWeg RWLr Stock TbyW and WhdC.

MICRO-MOTHS

6	<i>Eriocrania subpurpurella</i>		RW
68	<i>Stigmella salicis</i>		RW
131	<i>Incurvaria oehimanniella</i>		KQ LHGC
140	<i>Nematopogon swammerdamella</i>		CQ
148	<i>Nemophera degeerella</i>		BW
228	<i>Monopis weaverella</i>		Bden RW
247	<i>Tinea trinotella</i>		LHGC
286	<i>Caloptilia alchimiella</i>		RW
288	<i>Caloptilia stigmatella</i>		EBR
293	<i>Caloptilia syringella</i>		EBR
366a	<i>Cameraria ohridella</i>	HORSE CHESTNUT LEAF MINER	Bden
385	<i>Anthophila fabriciana</i>	NETTLE-TAP	EBR
410	<i>Argyresthia brockeella</i>		Bden EBR RW
411	<i>Argyresthia goedartella</i>		RW
417	<i>Argyresthia spinosella</i>		RW
419	<i>Argyresthia semifusca</i>		EBR
420	<i>Argyresthia pruniella</i>	CHERRY FRUIT MOTH	Bden EBR RW
422	<i>Argyresthia albistria</i>		Bden LHGC
424	<i>Yponomeuta evonymella</i>	BIRD-CHERRY ERMINE	Bden EBR LHGC RW
425	<i>Yponomeuta padella</i>	ORCHARD ERMINE	Bden EBR RW
427	<i>Yponomeuta cagnagella</i>	SPINDLE ERMINE	Bden EBR Mor RW
436	<i>Pseudoswammerdamia combinella</i>		LHGC
438	<i>Swammerdamia pyrella</i>		Bden
440	<i>Paraswammerdamia albicapitella</i>		Bden PC RW
441	<i>Paraswammerdamia lutarea</i>		RW
449	<i>Prays fraxinella</i>	ASH-BUD MOTH	EBR RW
450	<i>Scythropia crataegella</i>	HAWTHORN MOTH	Bden
452	<i>Ypsolopha nemorella</i>		PC
453	<i>Ypsolopha dentella</i>	HONEYSUCKLE MOTH	Bden
455	<i>Ypsolopha scabrella</i>		Bden EBR RW
459	<i>Ypsolopha sylvella</i>		RW
462	<i>Ypsolopha sequella</i>		EBR RW
464	<i>Plutella xylostella</i>	DIAMOND-BACK MOTH	Bden EBR
544	<i>Coleophora albicosta</i>		LHGC
621	<i>Elachista subalbidella</i>		EBR LHGC RW
641	<i>Batia lambdella</i>		Bden
642	<i>Batia unitella</i>		LHGC
647	<i>Hofmannophila pseudospretella</i>	BROWN HOUSE-MOTH	Bden EBR EW
649	<i>Esperia sulphurella</i>		Bden
658	<i>Carcina quercana</i>		Bden EBR LHGC PC RW
663	<i>Diurnea fagella</i>		Ext RW

667	<i>Semioscopis steinkellneriana</i>		EBR
672	<i>Depressaria pastinacella</i>	PARSNIP MOTH	EBR
688	<i>Agonopteryx heracliiana</i>		Bden EBR
689	<i>Agonopteryx ciliella</i>		EBR RW
695	<i>Agonopteryx alstromeriana</i>		EBR RW
696	<i>Agonopteryx propinquella</i>		Bden
697	<i>Agonopterix arenella</i>		EBR
718	<i>Ethmia dodecea</i>		Bden EBR LHGC RW
726	<i>Metzneria metzneriella</i>		Bden EBR
765	<i>Teleiodes vulgella</i>		RW
771	<i>Carpatolechia alburnella</i>		RW
819	<i>Scrobipalpa costella</i>		RW
854	<i>Anacampsis blattariella</i>		RW
868	<i>Helcystogramma rufescens</i>		Bden RW
0870x	<i>Oegoconia</i> sp.		Bden
873	<i>Blastobasis lignea</i>		Bden EBR LHGC RW
874	<i>Blastobasis decolorella</i>		Bden EBR LHGC PC RW
878	<i>Batrachedra praeangusta</i>		Bden
888	<i>Mompha propinquella</i>		Bden EBR RW
898	<i>Limnaecia phragmitella</i>		RW
905	<i>Blastodacna hellerella</i>		Bden LHGC RW
936	<i>Cochylimorpha straminea</i>		Bden
937	<i>Agapeta hamana</i>		Bden EBR LHGC PC RW
946	<i>Aethes rubigana</i>		EBR RW
947	<i>Aethes smeathmanniana</i>		Bden
965	<i>Cochylis hybridella</i>		Bden
966	<i>Cochylis atricapitana</i>		Bden KQ LHGC
969	<i>Pandemis corylana</i>	CHEQUERED FRUIT-TREE TORTRIX	Bden EBR LHGC RW
970	<i>Pandemis cerasana</i>	BARRED FRUIT-TREE TORTRIX	Bden EBR LHGC PC RW
972	<i>Pandemis heperana</i>	DARK FRUIT-TREE TORTRIX	Bden EBR LHGC PC RW
977	<i>Archips podana</i>	LARGE FRUIT-TREE TORTRIX	Bden EBR LHGC PC RW
979	<i>Archips crataegana</i>		PC
980	<i>Archips xylosteana</i>	VARIEGATED GOLDEN TORTRIX	Bden EBR LHGC PC RW
986	<i>Syndemis musculana</i>		EBR KQ LHGC RW
989	<i>Aphelia paleana</i>	TIMOTHY TORTRIX	Bden LHGC RW
993	<i>Clepsis spectrana</i>	CYCLAMEN TORTRIX	EBR RW
994	<i>Clepsis consimilana</i>		Bden EBR LHGC RW
1001	<i>Lozotaeniodes formosanus</i>		Bden EBR
1002	<i>Lozotaenia forsterana</i>		Bden
1010	<i>Ditula angustiorana</i>	RED-BARRED TORTRIX	Bden EBR RW
1011	<i>Pseudargyrotoza conwagana</i>		Bden PC
1014	<i>Isorectifasciana</i>		LHGC
1020	<i>Cnephasia stephensiana</i>	GREY TORTRIX	LHGC RW
1032	<i>Aleimma loeflingiana</i>		Bden EBR LHGC PC RW
1033	<i>Tortrix viridana</i>	GREEN OAK TORTRIX	BW Bden EBR LHGC RW Stock
1035	<i>Acleris bergmanniana</i>		PC
1036	<i>Acleris forsskaleana</i>		Bden EBR LHGC RW
1037	<i>Acleris holmiana</i>		LHGC RW
1038x	<i>Acleris laterana/comariana</i>		EBR RW
1043	<i>Acleris aspersana</i>		Bden
1044x	<i>Acleris ferrugana/notana</i>		RW
1048	<i>Acleris variegana</i>	GARDEN ROSE TORTRIX	Bden EBR
1054	<i>Acleris cristana</i>		EW LHGC
1062	<i>Acleris emargana</i>		EBR RW
1063	<i>Celypha striana</i>		Bden EBR LHGC
1076	<i>Celypha lacunana</i>		Bden EBR KQ LHGC PC RW
1082	<i>Hedya pruniana</i>	PLUM TORTRIX	Bden EBR LHGC RW
1083	<i>Hedya nubiferana</i>	MARbled ORCHARD TORTRIX	Bden EBR LHGC PC RW
1086	<i>Hedya salicella</i>		EBR RW
1093	<i>Apotomis betuletana</i>		RW
1104	<i>Endothenia quadrimaculana</i>		RW
1113	<i>Eudemis profundana</i>		EBR RW
1115	<i>Ancylis achatana</i>		Bden EBR LHGC PC RW
1133	<i>Epinotia bilunana</i>		RW
1134	<i>Epinotia ramella</i>		EBR RW
1138	<i>Epinotia nisella</i>		EBR RW

1165	<i>Zeiraphera isertana</i>		RW
1168	<i>Gypsonoma sociana</i>		Bden EBR LHGC PC RW
1174	<i>Epiblema cynosbatella</i>		Bden KQ RW
1175	<i>Epiblema uddmanniana</i>	BRAMBLE SHOOT MOTH	Bden EBR LHGC PC RW
1176	<i>Epiblema trimaculana</i>		Bden EBR LHGC PC
1178	<i>Epiblema roborana</i>		LHGC
1201	<i>Eucosma cana</i>		Bden EBR LHGC PC RW
1208	<i>Pseudococcyx posticana</i>		LHGC
1219	<i>Lathronympha strigana</i>		Bden
1233	<i>Pammene aurita</i>		EBR
1260	<i>Cydia splendana</i>		Bden EBR RW
1288	<i>Alucita hexadactyla</i>	TWENTY PLUME MOTH	LHGC
1290	<i>Chilo phragmitella</i>		RW
1292	<i>Calamotropha paludella</i>		Bden EBR RW
1293	<i>Chrysoteuchia culmella</i>	GARDEN GRASS-VENEER	Bden EBR LHGC PC RW Stock
1294	<i>Crambus pascuella</i>		RW
1301	<i>Crambus lathoniellus</i>		Bden EBR KQ LHGC PC RW
1302	<i>Crambus perlella</i>		Bden EBR LHGC PC RW
1304	<i>Agriphila straminella</i>		Bden EBR LHGC PC RW
1305	<i>Agriphila tristella</i>		Bden EBR LHGC PC RW
1309	<i>Agriphila geniculea</i>		Bden RW
1313	<i>Catoptria pinella</i>		Bden EBR LHGC
1316	<i>Catoptria falsella</i>		Bden EBR
1328	<i>Schoenobius gigantella</i>		RW
1329	<i>Donacaula forficella</i>		Bden RW
1330	<i>Donacaula mucronellus</i>		RW
1331	<i>Acentria ephemerella</i>	WATER VENEER	Bden EBR RW
1332	<i>Scoparia subfusca</i>		LHGC RW
1334	<i>Scoparia ambigualis</i>		Bden EBR KQ LHGC PC RW
1338	<i>Dipleurina lacustrata</i>		Bden LHGC RW
1342	<i>Eudonia angustea</i>		Bden EBR RW
1345	<i>Elophila nymphaeata</i>	BROWN CHINA-MARK	BW EBR LFP RW
1348	<i>Parapoynx stratiotata</i>	RINGED CHINA-MARK	Bden EBR RW
1350	<i>Nymphula stagnata</i>	BEAUTIFUL CHINA-MARK	EBR RW
1354	<i>Cataclysta lemnata</i>	SMALL CHINA-MARK	Bden RW
1356	<i>Evergestis forficalis</i>	GARDEN PEBBLE	Bden EBR KQ RW
1361	<i>Pyrausta aurata</i>		Bden Stock
1362	<i>Pyrausta purpuralis</i>		Bden BOQ EBR KQ Oak
1376	<i>Eurrhyncha hortulata</i>	SMALL MAGPIE	Bden EBR LHGC RW
1378	<i>Phlyctaenia coronata</i>		Bden RW
1380	<i>Phlyctaenia perlucidalis</i>		EBR LHGC PC RW
1388	<i>Udea lutealis</i>		Bden EBR RW
1390	<i>Udea prunalis</i>		Bden EBR RW
1392	<i>Udea olivalis</i>		Bden EBR LHGC PC RW
1395	<i>Udea ferrugalis</i>	RUSTY-DOT PEARL	EBR
1398	<i>Nomophila noctuella</i>	RUSH VENEER	Bden EBR RW
1405	<i>Pleuroptya ruralis</i>	MOTHER OF PEARL	Bden EBR LHGC Oak RW Stock
1413	<i>Hypsopygia costalis</i>	GOLD TRIANGLE	Bden
1415	<i>Orthopygia glaucinalis</i>		Bden EBR RW
1417	<i>Pyralis farinalis</i>	MEAL MOTH	EBR
1421	<i>Aglossa pingualis</i>	LARGE TABBY	Bden
1424	<i>Endotrichia flammealis</i>		Bden EBR LHGC RW
1425	<i>Galleria mellonella</i>	WAX MOTH	Bden
1428	<i>Aphomia sociella</i>	BEE MOTH	Bden EBR
1433	<i>Cryptoblabes bistriga</i>		RW
1436	<i>Conobathra repandana</i>		Bden EBR RW
1437	<i>Acrobasis consociella</i>		Bden EBR LHGC RW
1439	<i>Trachycera advenella</i>		Bden EBR LHGC RW
1452	<i>Phycita roborella</i>		EBR RW
1458	<i>Myelois cribrella</i>	THISTLE ERMINE	Bden EBR LHGC RW
1470	<i>Euzophera pinguis</i>		Bden EBR RW
1481	<i>Homoeosoma sinuella</i>		Bden
1483	<i>Phycitodes binaevella</i>		Bden
1513	<i>Pterophorus pentadactyla</i>	WHITE PLUME MOTH	Bden LHGC Oak RW Stock
1524	<i>Emmelina monodactyla</i>		Bden EW RW Stock

MACRO-MOTHS

14	<i>Hepialus humuli</i>	GHOST MOTH	Bden EBR LHGC PC RW
15	<i>Hepialus sylvina</i>	ORANGE SWIFT	Bden EBR RW
16	<i>Hepialus hecta</i>	GOLD SWIFT	BW
17	<i>Hepialus lupulinus</i>	COMMON SWIFT	Bden CQ EBR KQ LHGC PC RW
161	<i>Zeuzera pyrina</i>	LEOPARD MOTH	Bden LHGC
169	<i>Zygaena filipendulae</i>	SIX-SPOT BURNET	BOQ BW CQ Emp GtCastV7 NLuff Oak
170	<i>Zygaena trifolii</i>	FIVE-SPOT BURNET	Oak
370	<i>Sesia apiformis</i>	HORNET MOTH	Kett
382	<i>Bembecia scopigera</i>	SIX-BELTED CLEARWING	CQ KQ
1631	<i>Poecilocampa populi</i>	DECEMBER MOTH	RW
1632	<i>Trichiura crataegi</i>	PALE EGGAR	Bden EBR
1634	<i>Malacosoma neustria</i>	THE LACKEY	Bden EBR LHGC PC RW
1640	<i>Euthrix potatoria</i>	THE DRINKER	Bden Bthpe EBR LHGC PC RW
1648	<i>Drepana falcata</i>	PEBBLE HOOK-TIP	Bden LHGC RW
1651	<i>Cilix glaucata</i>	CHINESE CHARACTER	Bden EBR KQ LHGC RW
1652	<i>Thyatira batis</i>	PEACH BLOSSOM	Bden EBR LHGC PC RW
1653	<i>Habrosyne pyritoides</i>	BUFF ARCHES	Bden EBR EW LHGC PC RW
1654	<i>Tethea ocularis</i>	FIGURE OF EIGHTY	Bden LHGC PC RW
1657	<i>Ochropacha duplaris</i>	COMMON LUTESTRING	PC RW
1663	<i>Alsophila aescularia</i>	MARCH MOTH	Bden Ext RW
1665	<i>Pseudoterpna pruinata</i>	GRASS EMERALD	LHGC
	<i>actropunctaria</i>		
1666	<i>Geometra papilionaria</i>	LARGE EMERALD	Bden RW
1667	<i>Comibaena bajularia</i>	BLOTCHED EMERALD	Bden
1669	<i>Hemitheia aestivaria</i>	COMMON EMERALD	Bden EBR LHGC PC RW
1673	<i>Hemistola chrysoprasaria</i>	SMALL EMERALD	Bden
1674	<i>Jodis lactearia</i>	LITTLE EMERALD	EBR
1680	<i>Cyclophora punctaria</i>	MAIDEN'S BLUSH	EBR RW
1682	<i>Timandra griseata</i>	BLOOD-VEIN	Bden Bthpe EBR LHGC PC RW Stock
1690	<i>Scopula imitaria</i>	SMALL BLOOD-VEIN	Bden EBR RW
1692	<i>Scopula immutata</i>	LESSER CREAM WAVE	Bden
1702	<i>Idaea biselata</i>	SMALL FAN-FOOTED WAVE	Bden EBR LHGC PC RW
1705	<i>Idaea fuscovenosa</i>	DWARF CREAM WAVE	Bden
1707	<i>Idaea serata</i>	SMALL DUSTY WAVE	Bden
1708	<i>Idaea dimidiata</i>	SINGLE-DOTTED WAVE	Bden EBR LHGC RW
1709	<i>Idaea subsericeata</i>	SATIN WAVE	KQ
1712	<i>Idaea emarginata</i>	SMALL SCALLOP	Bden LHGC
1713	<i>Idaea aversata</i>	RIBAND WAVE	Bden Bthpe EBR LHGC PC RW
1716	<i>Rhodometra sacraria</i>	THE VESTAL	Bden
1722	<i>Xanthorhoe designata</i>	FLAME CARPET	Bthpe EBR
1724	<i>Xanthorhoe spadicearia</i>	RED TWIN-SPOT CARPET	Bden CQ EBR KQ LHGC RW
1725	<i>Xanthorhoe ferrugata</i>	DARK-BARRED TWIN-SPOT CARPET	LHGC
1726	<i>Xanthorhoe quadrifasiata</i>	LARGE TWIN-SPOT CARPET	Bden EBR LHGC RW
1727	<i>Xanthorhoe montanata</i>	SILVER-GROUND CARPET	Bden Bthpe EBR LHGC PC RW
1728	<i>Xanthorhoe fluctuata</i>	GARDEN CARPET	Bden EBR KQ RW Stock Wg
1732	<i>Scotopteryx chenopodiata</i>	SHADED BROAD-BAR	EBR RW
1735	<i>Catarhoe rubidata</i>	RUDDY CARPET	Bden
1738	<i>Epirrhoe alternata</i>	COMMON CARPET	Bden EBR LHGC RW
1742	<i>Camptogramma bilineata</i>	YELLOW SHELL	Bden BOQ LHGC Stock
1745	<i>Larentia clavaria</i>	THE MALLOW	Bden
1746	<i>Anticlea badiata</i>	SHOULDER STRIPE	EBR EW Ext RW
1747	<i>Anticlea derivata</i>	THE STREAMER	Bden EBR LHGC RW
1750	<i>Lampropteryx suffumata</i>	WATER CARPET	EBR LHGC RW
1752	<i>Cosmorhoe ocellata</i>	PURPLE BAR	KQ LHGC RW
1754	<i>Eulithis prunata</i>	THE PHOENIX	Bden PC RW
1758	<i>Eulithis pyraliata</i>	BARRED STRAW	Bden EBR LHGC RW
1759	<i>Ecliptopera silaceata</i>	SMALL PHOENIX	KQ LHGC PC RW
1760	<i>Chloroclysta siterata</i>	RED-GREEN CARPET	Bden EBR RW
1764	<i>Chloroclysta truncata</i>	COMMON MARBLED CARPET	Bden EBR PC RW
1765	<i>Cidaria fulvata</i>	BARRED YELLOW	Bden LHGC PC RW
1766	<i>Plemyria rubiginata</i>	BLUE-BORDERED CARPET	Bden PC
1768	<i>Thera obeliscata</i>	GREY PINE CARPET	Bden LHGC
1769	<i>Thera briannica</i>	SPRUCE CARPET	LHGC

1773	<i>Electrophaes corylata</i>	BROKEN-BARRED CARPET	Bden KQ LHGC
1776	<i>Colostygia pectinataria</i>	GREEN CARPET	Bden EBR KQ LHGC RW
1777	<i>Hydriomena furcata</i>	JULY HIGHFLYER	Bden EBR LHGC PC RW
1782	<i>Horisme tersata</i>	THE FERN	LHGC
1789	<i>Rheumaptera undulata</i>	SCALLOP SHELL	PC
1790	<i>Triphosa dubitata</i>	THE TISSUE	KQ
1791	<i>Philereme vetulata</i>	BROWN SCALLOP	LHGC RW
1792	<i>Philereme transversata</i>	DARK UMBER	Bden EBR LHGC RW
1795x	<i>Epirrita dilutata</i> agg.	NOVEMBER MOTH agg	Bden RW
1803	<i>Perizoma alchemillata</i>	SMALL RIVULET	Bden EBR LHGC
1808	<i>Perizoma flavofasciata</i>	SANDY CARPET	KQ
1809	<i>Perizoma didymata</i>	TWIN-SPOT CARPET	EBR PC
1811	<i>Eupithecia tenuiata</i>	SLENDER PUG	Bden EBR LHGC RW
1813	<i>Eupithecia haworthiata</i>	HAWORTH'S PUG	Bden
1817	<i>Eupithecia pulchellata</i>	FOXGLOVE PUG	Bden
1819	<i>Eupithecia exigua</i>	MOTTLED PUG	Bden EBR KQ LHGC
1825	<i>Eupithecia centaureata</i>	LIME-SPECK PUG	Bden EBR KQ LHGC RW Stock
1827	<i>Eupithecia intricata</i>	FREYER'S PUG	Bden
1830	<i>Eupithecia absinthiata</i>	WORMWOOD PUG	Bden RW
1834	<i>Eupithecia vulgata</i>	COMMON PUG	Bden EBR EW KQ LHGC RW
1835	<i>Eupithecia tripunctaria</i>	WHITE-SPOTTED PUG	LHGC RW
1837	<i>Eupithecia subfuscata</i>	GREY PUG	Bden EBR LHGC PC RW
1839	<i>Eupithecia succenturiata</i>	BORDERED PUG	Bden LHGC
1851	<i>Eupithecia virgaureata</i>	GOLDEN-ROD PUG	EBR
1852	<i>Eupithecia abbreviata</i>	BRINDLED PUG	Bden EBR KQ LHGC RW
1853	<i>Eupithecia dodoneata</i>	OAK-TREE PUG	KQ
1854	<i>Eupithecia pusillata</i>	JUNIPER PUG	LHGC
1857	<i>Eupithecia tantillaria</i>	DWARF PUG	Bden
1858	<i>Chloroclystis v-ata</i>	THE V-PUG	Bden EBR LHGC RW
1860	<i>Chloroclystis rectangulata</i>	GREEN PUG	Bden EBR LHGC PC RW
1862	<i>Gymnoscelis rufifasciata</i>	DOUBLE-STRIPED PUG	Bden
1867	<i>Aplocera plagiata</i>	TREBLE-BAR	Bden KQ
1870	<i>Odezia atrata</i>	CHIMNEY SWEEPER	LFP MM RWeg RWLr Stock
1874	<i>Euchoeca nebulata</i>	DINGY SHELL	BW
1876	<i>Hydrelia flammeolaria</i>	SMALL YELLOW WAVE	EBR PC
1879	<i>Lobophora halterata</i>	THE SERAPHIM	LHGC
1883	<i>Acasis viretata</i>	YELLOW-BARRED BRINDLE	Bden CQ EBR LHGC RW
1884	<i>Abraxas grossulariata</i>	MAGPIE MOTH	Bden EBR LHGC
1887	<i>Lomaspilis marginata</i>	CLOUDED BORDER	Bden EBR LHGC PC RW
1888	<i>Ligdia adustata</i>	SCORCHED CARPET	Bden LHGC PC
1893	<i>Semiothisa liturata</i>	TAWNY-BARRED ANGLE	Bden EBR
1894	<i>Semiothisa clathrata</i>	LATTICED HEATH	EmpV4 CQ
1902	<i>Petrophora chlorosata</i>	BROWN SILVER-LINE	Bthpe BW PC
1904	<i>Plagodis dolabraria</i>	SCORCHED WING	Bden EBR LHGC PC RW
1906	<i>Opisthograptis luteolata</i>	BRIMSTONE MOTH	Bden CQ EBR KQ LHGC PC RW Stock
1907	<i>Epione repandaria</i>	BORDERED BEAUTY	EBR RW
1913	<i>Ennomos alniaria</i>	CANARY-SHOULDERED THORN	Bden EBR RW
1914	<i>Ennomos fuscantaria</i>	DUSKY THORN	Bden EBR RW Stock
1917	<i>Selenia dentaria</i>	EARLY THORN	Bden EBR LHGC RW
1919	<i>Selena tetralunaria</i>	PURPLE THORN	EBR
1920	<i>Odontopera bidentata</i>	SCALLOPED HAZEL	Bden CQ LHGC RW
1921	<i>Crocallis elinguaris</i>	SCALLOPED OAK	Bden EBR LHGC RW
1922	<i>Ourapteryx sambucaria</i>	SWALLOW-TAILED MOTH	Bden Bthpe EBR LHGC RW
1923	<i>Colotois pennaria</i>	FEATHERED THORN	RW
1926	<i>Apocheima pilosaria</i>	PALE BRINDLED BEAUTY	Bden RW
1927	<i>Lycia hirtaria</i>	BRINDLED BEAUTY	Bden EBR Ext RW
1930	<i>Biston strataria</i>	OAK BEAUTY	Ext RW
1931	<i>Biston betularia</i>	PEPPERED MOTH	Bden EBR KQ LHGC PC RW
1934	<i>Agriopis marginaria</i>	DOTTED BORDER	Bden Bthpe RW
1935	<i>Erannis defoliaria</i>	MOTTLED UMBER	RW
1936	<i>Menophra abruptaria</i>	WAVED UMBER	Bden CQ EBR KQ LHGC
1937	<i>Peribatodes rhomboidaria</i>	WILLOW BEAUTY	Bden EBR LHGC RW
1941	<i>Alcis repandata</i>	MOTTLED BEAUTY	Bden EBR LHGC PC RW
1944	<i>Serraca punctinalis</i>	PALE OAK BEAUTY	EBR LHGC RW
1947	<i>Ectropis bistortata</i>	THE ENGRAILED	Bden BW EBR LHGC RW
1952	<i>Ematurga atomaria</i>	COMMON HEATH	KQ

1955	<i>Cabera pusaria</i>	COMMON WHITE WAVE	Bden EBR LHGC PC RW
1956	<i>Cabera exanthemata</i>	COMMON WAVE	Bden EBR PC RW
1957	<i>Lomographa bimaculata</i>	WHITE-PINION SPOTTED	LHGC RW
1958	<i>Lomographa temerata</i>	CLOUDED SILVER	Bden EBR KQ LHGC PC RW
1961	<i>Campaea margaritata</i>	LIGHT EMERALD	Bden Bthpe BW EBR LHGC PC RW
1962	<i>Hylaea fasciaria</i>	BARRED RED	LHGC
1970	<i>Perconia strigillaria</i>	GRASS WAVE	Stock
1976	<i>Sphinx ligustri</i>	PRIVET HAWK-MOTH	Bden EBR LHGC PC RW
1978	<i>Hyloicus pinastri</i>	PINE HAWK-MOTH	Bden LHGC
1979	<i>Mimas tiliae</i>	LIME HAWK-MOTH	Bden EBR KQ LHGC Oak RW
1980	<i>Smerinthus ocellata</i>	EYED HAWK-MOTH	EBR LHGC RW
1981	<i>Laothoe populi</i>	POPLAR HAWK-MOTH	Bden EBR LHGC PC RW Stock
1984	<i>Macroglossum stellatarum</i>	HUMMING-BIRD HK MOTH	BOQ Emp EW Man Oak Upp Stock
1991	<i>Deilephila elpenor</i>	ELEPHANT HAWK-MOTH	Bden EBR LHGC PC RW Stock
1994	<i>Phalera bucephala</i>	BUFF-TIP	Bden EBR LFP LHGC PC RW
1995	<i>Cerura vinula</i>	PUSS MOTH	Emp
1997	<i>Furcula furcula</i>	SALLOW KITTEN	Bden EBR KQ RW Stock
1998	<i>Furcula bifida</i>	POPLAR KITTEN	CQ
2000	<i>Notodonta dromedaries</i>	IRON PROMINENT	LHGC RW
2003	<i>Eligmodonta ziczac</i>	PEBBLE PROMINENT	CQ EBR KQ RW
2006	<i>Pheosia gnoma</i>	LESSER SWALLOW PROMINENT	Bden CQ EBR LHGC RW
2007	<i>Pheosia tremula</i>	SWALLOW PROMINENT	Bden CQ EBR LHGC PC RW
2008	<i>Ptilodon capucina</i>	COXCOMB PROMINENT	Bden Bthpe EBR LHGC PC RW
2009	<i>Ptilodontella cucullina</i>	MAPLE PROMINENT	Bden EBR PC
2011	<i>Pterostoma palpina</i>	PALE PROMINENT	Bden EBR LHGC PC RW
2015	<i>Drymonia ruficornis</i>	LUNAR MARBLED BROWN	EBR LHGC RW
2019	<i>Clostera curtula</i>	CHOCOLATE-TIP	CQ EBR RW
2026	<i>Orgyia antiqua</i>	THE VAPOURER	EBR LFP Mor
2028	<i>Calliteara pudibunda</i>	PALE TUSOCK	Bden Bthpe CQ EBR KQ LHGC PC RW
2030	<i>Euproctis similes</i>	YELLOW-TAIL	Stock Bden Bthpe BW EBR Leigh LHGC RW
2031	<i>Leucoma salicis</i>	WHITE SATIN	Stock Bden EBR RW
2033	<i>Lymantria monacha</i>	BLACK ARCHES	Bden EBR LHGC RW Stock
2035	<i>Thumatha senex</i>	ROUND-WINGED MUSLIN	Bden
2038	<i>Nudaria mundane</i>	MUSLIN FOOTMAN	Bden EBR LHGC RW
2039	<i>Atolmis rubricollis</i>	RED-NECKED FOOTMAN	BW
2040	<i>Cybosia mesomella</i>	FOUR-DOTTED FOOTMAN	Bden EBR LHGC RW
2043	<i>Eilema sororcula</i>	ORANGE FOOTMAN	Bden KQ LHGC RW
2044	<i>Eilema griseola</i>	DINGY FOOTMAN	Bden EBR LHGC RW
2047	<i>Eilema complana</i>	SCARCE FOOTMAN	Bden EBR LHGC
2049	<i>Eilema deplana</i>	BUFF FOOTMAN	EBR LHGC
2050	<i>Eilema lurideola</i>	COMMON FOOTMAN	Bden Bthpe EBR LHGC PC RW
2057	<i>Arctia caja</i>	GARDEN TIGER	Bden Bthpe
2060	<i>Spilosoma lubricipeda</i>	WHITE ERMINE	Bden CQ EBR KQ LHGC RW
2061	<i>Spilosoma luteum</i>	BUFF ERMINE	Bden Bthpe EBR LHGC RW
2063	<i>Diaphora mendica</i>	MUSLIN MOTH	Bden EBR RW Strett
2064	<i>Phragmatobia fuliginosa</i>	RUBY TIGER	Bden EBR EW KQ LHGC RW
2069	<i>Tyria jacobaeae</i>	THE CINNABAR	Bden BOQ BW CQ EBR EmpV4 KQ LHGC NLuff Oak Stock Strett
2077	<i>Nola cucullatella</i>	SHORT-CLOAKED MOTH	Bden LHGC
2078	<i>Nola confusalis</i>	LEAST BLACK ARCHES	Bden EBR LHGC
2082	<i>Euxoa nigricans</i>	GARDEN DART	Stock
2087	<i>Agrotis segetum</i>	TURNIP MOTH	Bden EBR LHGC RW
2088	<i>Agrotis clavis</i>	HEART AND CLUB	Bden
2089	<i>Agrotis exclamationis</i>	HEART AND DART	Bden EBR KQ LHGC PC RW Stock
2091	<i>Agrotis ipsilon</i>	DARK SWORD GRASS	EBR RW Stock
2092	<i>Agrotis puta</i>	SHUTTLE-SHAPED DART	Bden CQ EBR KQ LHGC
2098	<i>Axyilia putris</i>	THE FLAME	Bden EBR LHGC PC RW
2102	<i>Ochropleura plecta</i>	FLAME SHOULDER	Bden CQ EBR KQ LHGC PC RW
2107	<i>Noctua pronuba</i>	LARGE YELLOW UNDERWING	Bden Bthpe EBR LHGC PC RW Stock
2109	<i>Noctua comes</i>	LESSER YELLOW UNDERWING	Bden EBR LHGC RW Stock
2110	<i>Noctua fimbriata</i>	BROAD-BORDERED YELLOW UNDERWING	Bden EBR RW
2111	<i>Noctua janthina</i>	LESSER BROAD-BORDERED YELLOW UNDERWING	Bden Bthpe EBR LHGC RW

2112	<i>Noctua interjecta</i>	LEAST YELLOW UNDERWING	EBR RW
2114	<i>Graphiphora augur</i>	DOUBLE DART	Bden
2120	<i>Diarsia mendica</i>	INGRAILED CLAY	Bden EBR LHGC PC RW
2122	<i>Diarsia brunnea</i>	PURPLE CLAY	PC
2123	<i>Diarsia rubi</i>	SMALL SQUARE SPOT	Bden EBR KQ LHGC RW
2126	<i>Xestia c-nigrum</i>	SETACEOUS HEBREW CHARACTER	Bden EBR LHGC RW Stock
2128	<i>Xestia triangulum</i>	DOUBLE SQUARE-SPOT	Bden EBR LHGC PC RW
2131	<i>Xestia rhomboidea</i>	SQUARE-SPOTTED CLAY	LHGC RW
2133	<i>Xestia sexstrigata</i>	SIX-STRIPED RUSTIC	Bden EBR RW
2134	<i>Xestia xanthographa</i>	SQUARE-SPOT RUSTIC	Bden EBR RW
2136	<i>Naenia typica</i>	THE GOTHIC	Bden EBR PC
2138	<i>Anaplectoides prasina</i>	GREEN ARCHES	Bden LHGC PC
2139	<i>Cerastis rubricosa</i>	RED CHESTNUT	Bden EBR Ext RW
2140	<i>Cerastis leucographa</i>	WHITE-MARKED	EBR RW
2145	<i>Discestra trifolii</i>	THE NUTMEG	Bden EBR
2147	<i>Hada plebeja</i>	THE SHEARS	CQ EBR
2150	<i>Polia nebulosa</i>	GREY ARCHES	Bthpe
2154	<i>Mamestra brassicae</i>	CABBAGE MOTH	Bden RW
2155	<i>Melanchra persicariae</i>	DOT MOTH	Bden LHGC RW
2157	<i>Lacanobia w-latinum</i>	LIGHT BROCADE	Bden KQ
2158	<i>Lacanobia thalassina</i>	PALE-SHOULDERED BROCADE	Bden EBR LHGC RW
2160	<i>Lacanobia oleracea</i>	BRIGHT-LINE BROWN-EYE	Bden EBR KQ LHGC RW
2164	<i>Hecatera bicolorata</i>	BROAD-BARRED WHITE	Bden
2166	<i>Hadena rivularis</i>	THE CHAMPION	Bden LHGC
2170	<i>Hadena compta</i>	VARIED CORONET	Bden
2171	<i>Hadena confusa</i>	MARbled CORONET	LHGC
2173	<i>Hadena bicurris</i>	THE LYCHNIS	Bden EBR LHGC
2176	<i>Cerapteryx graminis</i>	THE ANTLER	RW
2178	<i>Tholera decimalis</i>	FEATHERED GOTHIC	Bden EBR RW
2179	<i>Panolis flammea</i>	PINE BEAUTY	Bden EBR EW RW
2182	<i>Orthosia cruda</i>	SMALL QUAKER	Bden EBR EW Ext RW
2183	<i>Orthosia miniosa</i>	BLOSSOM UNDERWING	Bden
2185	<i>Orthosia populeti</i>	LEAD-COLOURED DRAB	RW
2186	<i>Orthosia gracilis</i>	POWDERED QUAKER	Bden CQ EBR EW KQ RW
2187	<i>Orthosia stabilis</i>	COMMON QUAKER	Bden EBR EW Ext RW
2188	<i>Orthosia incerta</i>	CLOUDED DRAB	Bden Bthpe CQ EBR EW Ext LHGC RW
2189	<i>Orthosia munda</i>	TWIN-SPOTTED QUAKER	Bden EBR EW Ext RW
2190	<i>Orthosia gothica</i>	HEBREW CHARACTER	Bden Bthpe CQ EBR EW Ext LHGC RW Thist
2192	<i>Mythimna conigera</i>	BROWN-LINE BRIGHT-EYE	Bden EBR LHGC RW
2193	<i>Mythimna farrago</i>	THE CLAY	Bden EBR LHGC RW
2197	<i>Mythimna straminea</i>	SOUTHERN WAINSCOT	RW
2198	<i>Mythimna impure</i>	SMOKY WAINSCOT	Bden EBR LHGC PC RW
2199	<i>Mythimna pallens</i>	COMMON WAINSCOT	Bden EBR LHGC PC RW Stock
2205	<i>Mythimna comma</i>	SHOULDER-STRIPED WAINSCOT	Bden EBR LHGC PC RW
2216	<i>Cucullia umbratica</i>	THE SHARK	Bden
2221	<i>Cucullia verbasci</i>	THE MULLEIN	Bden
2225	<i>Brachylochia viminalis</i>	MINOR SHOULDER-KNOT	Bden LHGC
2227	<i>Brachionycha sphinx</i>	THE SPRAWLER	RW
2232	<i>Aporophyla nigra</i>	BLACK RUSTIC	Bden
2236	<i>Lithophane social</i>	PALE PINION	Bden EBR RW
2237	<i>Lithophane ornitopus</i>	GREY SHOULDER-KNOT	Bthpe RW
2240	<i>Lithophane leautieri</i>	BLAIR'S SHOULDER-KNOT	Bden
2243	<i>Xylocampa areola</i>	EARLY GREY	Bden EW
2245	<i>Allophyes oxyacanthae</i>	GREEN-BRINDLED CRESCENT	Bden RW
2247	<i>Dichonia aprilina</i>	MERVELLE-DU-JOUR	Bden
2248	<i>Dryobotodes eremita</i>	BRINDLED GREEN	EBR RW
2252	<i>Polymixis flavicincta</i>	LARGE RANUNCULUS	Bden
2256	<i>Eupsilia transversa</i>	THE SATELLITE	Bthpe EBR EW Ext RW
2258	<i>Conistra vaccinii</i>	THE CHESTNUT	Bden EBR Ext RW
2259	<i>Conistra ligula</i>	DARK CHESTNUT	Bden RW
2260	<i>Conistra rubiginea</i>	DOTTED CHESTNUT	Bthpe
2262	<i>Agrochola circellaris</i>	THE BRICK	EBR RW
2263	<i>Agrochola lota</i>	RED-LINE QUAKER	Bden RW

2264	<i>Agrochola macilenta</i>	YELLOW-LINE QUAKER	Bden RW
2266	<i>Agrichola litura</i>	BROWN-SPOT PINION	Bden RW
2267	<i>Agrichola lychndis</i>	BEADED CHESTNUT	Bden RW
2269	<i>Atethmia centrago</i>	CENTRE-BARRED SALLOW	Bden EBR RW
2270	<i>Omphaloscelis lunosa</i>	LUNAR UNDERWING	Bden EBR RW
2271	<i>Xanthia citrago</i>	ORANGE SALLOW	RW
2272	<i>Xanthia aurago</i>	BARRED SALLOW	Bden RW
2273	<i>Xanthia togata</i>	PINK-BARRED SALLOW	Bden RW
2274	<i>Xanthia icteritia</i>	THE SALLOW	Bden EBR RW
2278	<i>Acronicta megacephala</i>	POPLAR GREY	EBR LHGC PC RW
2279	<i>Acronicta aceris</i>	THE SYCAMORE	LHGC RW
2280	<i>Acronicta leporine</i>	THE MILLER	KQ RW
2284	<i>Acronicta psi</i>	GREY DAGGER	Bden Bthpe EBR LHGC PC RW
2289	<i>Acronicta rumicis</i>	KNOT GRASS	EBR RW
2291	<i>Craniophora ligustri</i>	CORONET	Bden CQ EBR LHGC PC RW
2293	<i>Cryphia domestica</i>	MARbled BEAUTY	Bden EBR
2297	<i>Amphipyra pyramidea</i>	COPPER UNDERWING	Bden EBR RW
2299	<i>Amphipyra tragopogonis</i>	MOUSE MOTH	Bden EBR LHGC RW
2302	<i>Rusina ferruginea</i>	BROWN RUSTIC	Bden EBR LHGC PC RW
2303	<i>Thalophila matura</i>	STRAW UNDERWING	Bden EBR RW
2305	<i>Euplexia lucipara</i>	SMALL ANGLE SHADES	Bden EBR LHGC PC RW
2306	<i>Phlogophora meticulosa</i>	ANGLE SHADES	Bden EBR LHGC RW Stock
2312	<i>Ipimorpha subtusa</i>	THE OLIVE	RW
2314	<i>Enargia ypsiloh</i>	DINGY SHEARS	Bden EBR LHGC RW
2318	<i>Cosmia trapezina</i>	THE DUN-BAR	Bden EBR LHGC RW
2319	<i>Cosmia pyralina</i>	LUNAR-SPOTTED PINION	Bden LHGC RW
2321	<i>Apamea monoglypha</i>	DARK ARCHES	Bden Bthpe EBR LHGC PC RW Stock
2322	<i>Apamea lithoxyloa</i>	LIGHT ARCHES	Bden Bthpe EBR LHGC PC RW
2323	<i>Apamea sublustris</i>	REDDISH LIGHT ARCHES	LHGC RW
2326	<i>Apamea crenata</i>	CLOUDED-BORDERED BRINDLE	Bden Bthpe EBR LHGC RW
2327	<i>Apamea epomidion</i>	CLOUDED BRINDLE	LHGC PC RW
2330	<i>Apamea remissa</i>	DUSKY BROCADE	EBR LHGC PC RW
2331	<i>Apamea unanims</i>	SMALL CLOUDED BRINDLE	Bden EBR RW
2333	<i>Apamea anceps</i>	LARGE NUTMEG	Bden EBR LHGC PC RW
2334	<i>Apamea sordens</i>	RUSTIC SHOULDER-KNOT	Bden CQ EBR KQ LHGC PC RW
2335	<i>Apamea scolopacina</i>	SLENDER BRINDLE	Bden EBR PC RW
2336	<i>Apamea ophiogramma</i>	DOUBLE LOBED	Bden EBR RW
2337	<i>Oligia strigilis</i>	MARbled MINOR	Bden EBR LHGC PC RW
2339	<i>Oligia latruncula</i>	TAWNY MARbled MINOR	Bden EBR LHGC PC RW
2340	<i>Oligia fasciuncula</i>	MIDDLE-BARRED MINOR	Bden EBR PC RW
2341	<i>Mesoligia furuncula</i>	CLOAKED MINOR	Bden EBR LHGC RW
2342	<i>Mesoligia literosa</i>	ROSY MINOR	RW
2343	<i>Mesapamea secalis</i>	COMMON RUSTIC	Bden EBR LHGC RW
2343a	<i>Mesapamea didyma</i>	LESSER COMMON RUSTIC	EBR LHGC RW
2345	<i>Photedes minima</i>	SMALL DOTTED BUFF	Bden EBR LHGC RW
2347	<i>Photedes extrema</i>	THE CONCOLOROUS	Bden LHGC
2349	<i>Photedes fluxa</i>	MERE WAINSCOT	Bden EBR LHGC
2352	<i>Eremobia ochroleuca</i>	DUSKY SALLOW	Bden EBR LHGC RW
2353	<i>Luperina testacea</i>	FLOUNCED RUSTIC	Bden EBR RW
2360	<i>Amphipoea oculea</i>	THE EAR MOTH	RW
2361	<i>Hydraecia micacea</i>	ROSY RUSTIC	Bden EBR RW Stock
2364	<i>Gortyna flavago</i>	FROSTED ORANGE	Bden EBR RW
2368	<i>Celaena leucostigma</i>	THE CRESCENT	RW
2369	<i>Nonagria typhae</i>	BULRUSH WAINSCOT	RW
2370	<i>Archanara geminipuncta</i>	TWIN-SPOTTED WAINSCOT	Bden RW
2371	<i>Archanara dissolute</i>	BROWN-VEINED WAINSCOT	RW
2375	<i>Rhizedra lutosa</i>	LARGE WAINSCOT	RW
2377	<i>Arenostola phragmitidis</i>	FEN WAINSCOT	RW
2380	<i>Charanyca trigammica</i>	TREBLE LINES	Bden EBR EW KQ LHGC RW
2381	<i>Hoplodrina alsines</i>	THE UNCERTAIN	Bden EBR LHGC PC RW
2382	<i>Hoplodrina blanda</i>	THE RUSTIC	Bden EBR LHGC PC RW
2384	<i>Hoplodrina ambigua</i>	VINE'S RUSTIC	Bden EBR RW
2387	<i>Caradrina morpheus</i>	MOTTLED RUSTIC	Bden EBR LHGC PC RW
2389	<i>Caradrina clavipalpis</i>	PALE MOTTLED WILLOW	Bden EBR RW
2391	<i>Chilodes maritimus</i>	SILKY WAINSCOT	RW
2397	<i>Panemeria tenebrata</i>	SMALL YELLOW UNDERWING	LFP

2410	Lithacodia pygarga	MARBLED WHITE SPOT	Bden KQ LHGC PC RW
2418	Earias clorana	CREAM-BORDERED GREEN PEA	EBR RW
2422	Pseudoips fagana	GREEN SILVER-LINES	EBR LHGC PC RW
2434	Diachrysia chrysis	BURNISHED BRASS	Bden EBR LHGC PC RW
2439	Plusia festucae	GOLD SPOT	Bden EBR RW
2441	Autographa gamma	SILVER Y	Bden Bthpe BOQ BW CQ EBR GtCastV7&V8 KQ LFP LHGC LFP Oak RW Stock Wg
2442	Autographa pulchrina	BEAUTIFUL GOLDEN Y	Bden LHGC PC RW
2443	Autographa jota	PLAIN GOLDEN Y	Bden EBR LHGC PC RW
2450	Abrostola triplasia	THE SPECTACLE	Bden EBR LHGC PC RW
2452	Catocala nupta	RED UNDERWING	Bden Bthpe EBR RW
2462	Callistege mi	MOTHER SHIPTON	BW
2463	Euclidia glyphica	BURNET COMPANION	BW GtCast Stock
2466	Lygephila pastinum	THE BLACKNECK	Bden
2469	Scoliopteryx libatrix	THE HERALD	EBR RW
2473	Laspeyria flexula	BEAUTIFUL HOOK-TIP	Bden EBR LHGC PC RW
2474	Rivula sericealis	STRAW DOT	Bden EBR LHGC PC RW
2477	Hypena proboscidalis	THE SNOUT	Bden EBR LHGC PC RW
2484	Schrankia costaestrigalis	PINION-STREAKED SNOUT	RW
2489	Herminia tarsipennalis	THE FAN-FOOT	Bden EBR LHGC
2492	Herminia nemoralis	SMALL FAN-FOOT	Bden BW EBR LHGC PC RW

ORTHOPTERA REPORT 2010

The cold nights of late May and the last cold evening of 19th June were a worry, in case they affected the nymphs and their growth. Then, however, a mini heat-wave commenced until the end of June. Looking at the season overall, it was a very good one for the orthoptera, and new squares for several species resulted. Thank you to my team for their patient observations, map references, and digital photographs.

The extra areas covered continue to give a much wider view and knowledge of the orthoptera in Rutland. Future researchers will hopefully be impressed with our work in this field, and I am proud of everyone's involvement and effort. But we are not resting on our laurels, the challenge of 2011 is to cover even more areas.

Once again, Joe and Mary Nourish gave us permission to carry out two surveys on their Beaumont Chase Farm. The first was on the familiar route, and the second one was a new area for the survey. This conservation area is a winner, proving the methods used are very successful. Numbers for the orthoptera were fantastic!

The Short-winged Conehead story continues to excite, with this species finally making the short move from the Hambleton shores to the Rutland Water reserve at Egleton. However, they did not arrive quietly, and there was a big increase in numbers in many parts of the Egleton reserve.

It was pleasing to receive records from members' gardens this season, giving us some extra interest. I wonder how many more orthoptera species go unnoticed in our gardens? Keep watch!

Autumn weather suddenly arrived on the 26th September, and this stimulated some late effort in reports.

Finally, my grateful thanks for all records received, and the effort being put in to achieve wide coverage in Rutland for our grasshoppers and crickets.

Phil Rudkin

BUSH CRICKETS

Oak Bush Cricket *Meconema thalassinum*

July: one female and one male, on 27th July; one female and two males, on 30th July; one male, in early August – all at Stocken Prison grounds. These crickets were beaten from Oak trees. New square for this species (SK 957 174).

August: one female, in carport, in Barrowden. 6th August, 10.05 pm (SK 948 002).

One male, on outside window frame, Barleythorpe Conference Centre, 16th August (SK 847 098).

One male found on 17th August, and one male on 30th August, in member's front garden, St. Albans

Close, Oakham (SK 865 087). New square, digital photographs supplied.

September: one male, on wooden post, Leighfield Fish Ponds, 3rd September (SK 814 042).

Stocken Prison had one male observed on fence post, and one male beaten out of shrubs, on 6th September. Nearby, on the 25th October, the same observer found a dead nymph. This was approx 220 metres away from the adults observed earlier in the summer. Proof of breeding! (SK 957 174).

Dark Bush Cricket *Pholidoptera griseoptera*

May: seven nymphs on 17th May, and 17 in the same area on 30th May, Burley Woods (SK 892 098). Two nymphs, in car park scrub, Clipsham Park Wood, Yew Tree Avenue, 30th May (SK 979 168).

June: one nymph, Protected Verge 8, Great Casterton, 7th June (TF 018 107). From 7th, throughout June, maximum of 70 plus nymphs, in Burley Woods (SK 890 097).

July: one nymph, caught and identified in scrub. Old Oakham Canal, Ashwell, 5th July. Important, new square record (SK 862 105). From 8.45 pm, on 21st July, enormous numbers of adults seen and heard in Burley Woods, south-west of the Eight Riding Tree (SK 892 093, SK 892 098, SK 889 095, SK 891 094).

October: five stridulating males, heard in bramble patch, at edge of track to Walk Farm, Great Casterton, 4.0 pm 6th October (TF 016 108).

Roesel's Bush Cricket *Metrioptera roeselii*

July: two stridulating males, in rough grasses, Old Oakham Canal, Ashwell, on 5th July. (New square, SK 862 105.)

Large colony, located in Quarry Farm, Stamford, on 6th July (TF 018 084).

Large colony, located in the LRWT reserve, Bloody Oaks Quarry, on 6th July (SK 971 108).

One stridulating male, entrance to Ketton Quarries, 10th July (SK 979 053).

Throughout the rest of July, from the 18th to the 31st, colonies found in the new meadow, inside the fenced area and cycle track, near Egleton Church (SK 877 080).

A new site, a wildflower meadow, in the Quarry Farm area, 20th July (TF 015 084).

One male and one female found in *Juncus*, on the North Arm, south shore of Rutland Water, Hambleton (SK 903 079).

One male caught on Protected Verge 8 (TF 107 018).

On the Egleton Reserve, in a grass field, next to the new lagoon (north of the Bird Watching Centre), 31 July, large numbers of stridulating males (SK 881 077).

The first survey for 2010 at Beaumont Chase Farm revealed large colonies in the 3-metre wide grass margins (south west of The Lodge), 23rd July (SP 842 989). Further down the hill to the Rabbit Bank, one female (macropterous form) caught and identified (SP 840 992).

At the Lyndon Reserve, Rutland Water, many stridulating males heard in long grasses, just west of the Interpretive Centre, 25th July (SK 893 055).

Dawn's Paddock near Braunston had a large colony near the gate, and more on the hill in the meadow, also two females observed, 31st July (SK 841 073). Next to the Paddock is the Woodland Trust reserve, The Seek, where good numbers were found in the

long grasses in the rides between the trees (SK 839 072). The same day, at Wing Fishing Lakes, the regular large numbers stridulating around the two lakes were maintained. Four females were observed (SK 889 023). On the way out of the lakes, a surprise find was four males, stridulating just inside the edge of a Barley crop (SK 888 024).

August: new sites at the Egleton Reserve, Rutland Water, on 8th August, were a large colony of stridulating males, on the bank behind the disabled car park, outside the Bird Watching Centre (SK 879 072). Four males heard in tall grasses, next to the main car park (SK 878 072). Six males in rough vegetation, along the Winter Trail (SK 880 074). Mill Lane, Empingham, four stridulating males in dyke, 8th August. New square (SK 957 086).

On 18th August, the second Beaumont Chase Farm survey started at the top of Stockerston Hill and into the field, Top Wood Close. Two stridulating males were found (SP 847 982). Further along into the conservation fields, massive numbers were seen and heard in the long grasses between the trees (SP 843 983).

September: a new habitat that is located just off the Leicester Road, this is a large field situated next to the Uppingham School sports field consisting of rough grassland and Hawthorn scrub – called Tabram's Field. New squares for all species found here. 12th September visit found large colonies (uncountable), along a 300 yards stretch (SK 858 000). Later in the day, in waist high vegetation, more large numbers stridulating, in a small corner (SK 857 001).

On the same date, at 3.0 pm, one male heard in verge grasses, just east of Prior's Coppice, near Hibbitts Lodge (SK 839 054). At 4.30 pm on a wide grass verge, in the Chater Valley, between Brooke and Ridlington, large colonies located (SK 846 040). New squares.

Dawn's Paddock, near Braunstone, 5.30 pm, 18th September, five males and one female in the meadow (SK 842 075).

Another new square, this time for one stridulating male, on 21st September; the old railway line, between South Luffenham and Morcott (SK 928 005).

Two stridulating males in small rough nettle patch, on the Ryhall Road, in Great Casterton, 13th October. New square (TF 001 092). On the Egleton Reserve, Rutland Water, four stridulating males, below Lax Hill (SK 882 066). Four males on the path near Fieldfare Hide (SK 884 066). Near the Badger Watching Hide, next to the Bird Watching Centre, three stridulating males (SK 879 072).

October: finally at Quarry Farm, on 30th October, one slow stridulating male (TF 018 084).

Long-winged Conehead *Conocephalus discolor*

July: From July 18th to 22nd, many nymphs found in Burley Woods, along the southern edge (SK 887 092). One nymph, at Leighfield Fish Ponds, on 22nd July (SK 830 037). Four stridulating males, and one female (macropterous form), at first field, Quarry Farm. In the second field, in the wildflower meadow, large colony of stridulating males, 20 July (TF 015 084).

The first Beaumont Chase Farm survey of 2010, on 23rd July, one stridulating male, and one female nymph (SP 844 992). At the Lyndon reserve, Rutland Water, on 25th July, five stridulating males, west of the Interpretive Centre (SK 893 055). One male (macropterous form) in Burley Woods 25 July (SK 887 092).

August: Wing Fishing Lakes had their usual good numbers around the first Lake, on 3rd August. Surprise to find amazing numbers of stridulating males, just inside a Barley crop, near the entrance field, next to the lakes (SK 888 024).

Three stridulating males, in dyke at Mill Lane, Empingham, on 8 August (SK 957 086). New square.

The second Beaumont Chase Farm survey, on 18th August, had wonderful large numbers located in Top Wood Close (SP 847 982) and in the conservation area (SP 846 982).

September: large colonies (uncountable), in Hawthorn scrub and rough grasses, in Tabram's Field, Uppingham, on 12 September (SK 858 000). New square. In small corner in waist-high vegetation, large numbers heard, and one female 'netted' for identification (SK 857 001). Later, in the Chater Valley, between Brooke and Ridlington, large colony of stridulating males on wide grass verge (SK 846 040).

Protected Verge 7, Great Casterton, on 20th September, four males heard in wide grass margin, inside farm gateway (SK 999 097).

On the 20th and 25th September, Burley Woods produced five adults and three adults respectively (SK 887 092).

October: large numbers of stridulating males, in first field, Quarry Farm, 4th October (TF 018 084).

Walk Farm, Great Casterton, entrance track, sixteen stridulating males, in damp ditch vegetation, on 6th October (TF 015 110). New square. On 7th October, six males heard in wide grass margin, adjacent to Walk Farm trail entrance (TF 016 108).

The last survey at Egleton reserve, Rutland Water, on 24th October, had four males on the verge, and three along the path near Fieldfare Hide (SK 888 067). Outside the Bird Watching Hide, behind the disabled car park, one male heard on bank (SK 879 072). Two males, located near the Badger Watching Hide (SK 879 073).

Final sightings were at Quarry Farm, Stamford. Eleven stridulating males, on 22nd October, 3.15 pm, 14 °C. Five males heard on 27th, 2.15 pm, 17 °C. And the very last, on 30th, at 2.45 pm, mild southeasterly, overcast. Three stridulating at normal speed, and one male having trouble in warming up, with a very slow song (TF 018 084).

Short-winged Conehead *Conocephalus dorsalis*

What a difference three years has made to the status of this species! From the first, small population, recorded in Rutland on the Hambleton Peninsular Road, 13th September 2007, to the explosion in the 2010 season.

July: on 18th July, this species finally made its appearance at the Egleton Reserve, Rutland Water, at three sites. During a survey there, two stridulating males were found in tall rough grasses, in field just near the Badger Watching Hide, 4.25 pm (SK 880 074). At 5.50 pm four males heard in grasses, in small uncut corner near Fieldfare Hide (SK 884 066). The third site was at the edge of the main car park of the reserve, in a small rough corner, underneath the notice board, three stridulating males (SK 878 072).

On 31st July, a visit to the North Arm 1, south shore of Rutland Water, Hambleton to check on the fortunes of the population there, revealed strong, healthy numbers. Nymphs and females caught and identified (SK 903 079).

August: back at the Egleton reserve on 8th August, and more exciting observations! Another three new sites located: on the bank behind the disabled car park, next to the Centre, in rough vegetation, large numbers of stridulating males. One male caught and identified (SK 879 072). Following the path to the Badger Watching Hide, good numbers heard in the large nettle bed, in front of the hide (SK 879 073). Six stridulating males, in tall grasses along the Winter Trail, near Redshank Hide (SK 880 074). Finally, at 2.45 pm on way back to the main car park, eight males singing in Rosebay Willow Herb patch (SK 878 074).

Speckled Bush Cricket *Leptophyes punctatissima*

May: nymphs were noted in Burley Woods, on 26th and 30th May.

June: also, in the same location on 15th June, twenty-four plus were counted. Regular visits in late June produced nymphs in abundance (SK 890 097).

July: first adult records on 31st July, 6.15 pm. Two stridulating males, in Ash tree, top of a slope, on North Arm 1, south shore of Rutland Water (SK 901 079). At 6.25 pm on top of the hill of the Hambleton Peninsular Road, four males heard in Hawthorn hedge (SK 897 078). At the lower part of the hill, twenty-five heard in Hawthorn hedgerow.

August: Mill Lane, Empingham on 8th August, had

five stridulating males in Ash tree (SK 957 086). In the nearby meadow, four, heard in Ash tree. New square for Mill Lane! One, female, observed on low plants, just near the entrance gate, at the LRWT reserve, Bloody Oaks Quarry, on 12th August (SK 970 108).

The second Beaumont Chase Farm survey on 18th August produced large colonies in hedgerows, and five in Ash tree, at Top Wood Close (SP 842 985). The conservation area held similar large numbers in small Hazel trees (SP 846 982).

September: these records provided some welcome new squares! Five stridulating males in Ash tree, next to Hibbits Lodge, east of Priors Coppice reserve, 12 Sept (SK 839 054). New square.

In the well-established colonies on Protected Verge 7, Great Casterton, six stridulating males in hedgerow Ash, in farm gateway, on the 20th (SK 999 097).

The Woodland Trust Reserve, at Gorsefield, Oakham, on 26th had six plus males in Elder/Hawthorn scrub (SK 848 016). New square.

October: ten stridulating males in Hawthorn, and five in Elder/Blackthorn, on the 6th. Entrance track to Walk Farm, Great Casterton. 100 yards further up the track, the thick hedges had large numbers stridulating, mainly in Blackthorn (TF 016 108). New square.

Reaching the open farmland, more good numbers of stridulating males in tall Blackthorn hedgerow. One male caught and photographed (TF 015 113).

Six stridulating males in Hawthorn hedgerow, on the south-facing bank, on the old Barnsdale Hill, opposite the Country Club entrance, on the 10th (SK 904 087). New square.

Going down into the Barnsdale Woods entrance to the bottom of the hill, thirty-two males heard in Hazel, and twelve in Bramble patch (SK 906 087).

Back at Walk Farm entrance on the 21st, 2.30 pm, 16 °C and sunny. Despite the frost earlier in the morning, twenty-two were stridulating in Blackthorn.

Final stridulating heard on the 27th, at 1.30 pm, 17 °C, southerly airflow. Five in Hawthorn, and six in Hawthorn/Bramble, along the Walk Farm entrance track. On the Protected Verge 8, next to the entrance, four, stridulating in Hawthorn hedgerow.

GROUNDHOPPERS

Slender Groundhopper *Tetrix subulata*

May: two, observed in southeast edge of Burley Woods, 19th May (SK 896 096).

June: four, seen on the Brooke Road allotments, Oakham, from the 1st to the 6th June (SK 860 081). One located resting on a pond drainpipe, near

Barleythorpe Hall, 22nd June (SK 846 098).

One found on the edge of the old Oakham Canal, Ashwell, near the water, at 4.30 pm, 22nd June (SK 862 104). New square. One found on a track, near the River Chater, at Leighfield, west side (SK 814 042).

August: one observed on bare earth, in the Brooke Road allotments, 10th August (SK 860 081). One amongst the flowers, in the garden of Gower Lodge, Uppingham (SP 864 996).

September: two observed on bare earth, in ride at Burley Woods, 2nd September (SK 892 094).

The Brooke Road allotments, Oakham, had a good return with the following records in September: one on the 4th, four on the 10th, and five on the 14th – all favoured the compost heap (SK 860 081).

GRASSHOPPERS

Common Green Grasshopper *Omocestus viridulus*

June/July: 'several' males stridulating in long, lush grasses, in the fields at the rear of the Conference Centre, Barleythorpe, 24th and 28th June, 1st, 5th and 9th July (SK 846 098).

Two, stridulating males, in small sheep field, near the Brooke Road Allotments, Oakham, 7th and 16th July (SK 860 081).

August: Mill Lane, Empingham, produced a new square, with one stridulating male in the now cut hay meadow, 8th August (SK 957 086). Two stridulating males, in long grass, at the highest point, at Leighfield (SK 809 032).

One stridulating male, in long grasses, in the ride, on the eastern edge of Burley Woods, 9th September (SK 896 095). On the same day, two stridulating males heard in the pasture field near Barleythorpe Hall (SK 846 098).

Field Grasshopper *Chorthippus brunneus*

June: nymphs observed during the month of June, up to the 29th, Brooke Road, Oakham allotments (SK 860 081).

One, adult, found on the southern edge of Burley Woods, 30th June (SK 887 092).

July: nymphs and adults observed all month; highest total of ten, on 23rd July. Brooke Road allotments (SK 860 081).

One, observed on outside wall, at the Barleythorpe Centre, 16th July (SK 846 098). Pair observed mating on bare earth patch, 16th July, at the LRWT reserve, Bloody Oaks Quarry, two adults caught and identified (SK 971 108).

August: six adults on the Brooke Road allotments, 12th to 17th August (SK 860 081). Two adults, seen next to Barleythorpe Conference Centre, 17th August (SK 847 098). Fifteen adults and two nymphs seen,

on bare patches in amongst the pasture field, Quarry Farm, Stamford. Five adults caught and identified. The specimens were dark coloured, with stripy legs, 15 August. New square (TF 015 084).

September: one adult found on patio door of Welland Way, Oakham, on 2nd September (SK 854 082).

Five adults on 4th, and four on the 10th, on the Brooke Road allotments.

Four adults observed in Burley Woods, in the western area, on the 25th (SK 888 096).

The Woodland Trust reserve, Gorsefield, Oakham, on 26th September produced one male, on the mud bank (SK 848 016). New square.

Meadow Grasshopper *Chorthippus parallelus*

June: five nymphs, observed in the BBQ area of Ketton Quarries, near the car park, June 15th, Photographs sent by email.

Five adults, seen in pasture field, and one male stridulating, on the Lyddington Road, Thorpe-by-Water, 30th June (SP 892 962). New square.

‘Numerous’ nymphs found on the Protected Verge 8, Great Casterton, 7th June (TF 018 107).

July: huge numbers of adults and nymphs observed, from the entrance gate, down the dip, and up onto the bank, 6th July, at the LRWT reserve, Bloody Oaks Quarry (SK 971 108).

At 11.45 pm during a bat and glowworm meeting in Ketton, on 10th July, just inside the entrance gate, at the BBQ area of Ketton Quarries. Two males were heard stridulating in the grasses (SK 979 053).

Large colonies discovered in the newly created meadow / cycle track, alongside the minor road to Egleton Church, 18th July (SK 877 080).

Four adults, in lower ride of Burley Woods, 21st July (SK 892 093).

Huge numbers of adults and nymphs found in pasture, North Arm 1, south shore of Rutland Water, Hambleton, 31st July (SK 903 079).

Throughout July, high numbers maintained at the hot spots, at the Egleton reserve, Rutland Water: north of the Bird Watching Centre (SK 879 072). In the uncut hay fields, near the Badger Watching Hide (SK 879 073). And the new lagoon area of a small grass field (SK 881 077). To the south of the centre, along the path to Fieldfare Hide (SK 884 066). At the edge of the nearly completed new lagoon (SK 882 066). In the thick grasses near Tern Hide (SK 879 068).

The Beaumont Chase Farm survey, on 23rd July, produced the expected large numbers of adults and nymphs, in wide grass margins at edge of oil seed rape field (SP 842 989), Deepdale Brook, and the Rabbit Bank (SP 842 994).

Six adults observed, and two caught and identified, at Dawn’s Paddock, near Braunstone, on 31st July.

Twenty-five found in grass field, at Stocken Prison, from 14th to 29th July (SK 957 174).

August: six stridulating males, in the meadow off Mill Lane, Empingham, 8th August (SK 957 086). New square.

Also at Stocken, from the 3rd to the 8th August, seven stridulating males.

Six stridulating males, around the first lake, at Wing Fishing Lakes, on 3rd August (SK 889 023).

Four stridulating males, at Quarry Farm, Stamford, 15th August (TF 015 084). Finally, at the second Beaumont Chase Farm survey, on the 18th August, large colonies found at Top Wood Close pasture (SP 842 985). And massive numbers in the tall grasses in the rides, between the trees of the Conservation area, at Bottom Wood Close (SP 846 982).

September: Stocken Prison grounds had fifteen plus adults in pasture, with much stridulating heard, on the 1st. On the 2nd, six were counted, on a weed-strewn pathway. Finally, at Stocken, on the 20th, three were observed, on an extensive lawn. (SK 957 174).

At Tabram’s Field, Uppingham, one female and one male were ‘netted’ and identified, in the Hawthorn scrub, on 13th September (SP 856 998). New square.

Finally, one male observed in the field at the Woodland Trust reserve, Gorsefield, Oakham, on 26th September (SK 848 016).

Lesser Marsh Grasshopper *Chorthippus albomarginatus*

June: nymphs noted during the month of June, on the Brooke Road, allotments, Oakham.

Plus, one adult observed on 26th June (SK 860 081).

Many nymphs observed in Burley Woods, Oakham, in June, with ten noted on the 30th (SK 890 097).

July: much work done in July by the team, resulted in the following sightings: two adults and two nymphs, on the Brooke Road allotments, on the 1st. Many adults and nymphs noted all month around Leighfield Fishponds (SK 830 037).

One adult on wall, at Barleythorpe Conference Centre, on the 3rd (SK 847 098). Large colony discovered in rough grasses, at the edge of oil seed rape field. Pairs observed mating. This is at the southern edge of the Old Oakham Canal, Ashwell, 5th July (SK 862 104). Important new square.

Large colonies, adults and nymphs seen, in first field, Quarry Farm, Stamford, on the 6th (TF 015 084). Also on the 6th, four adults observed in long grasses, at the LRWT reserve, Bloody Oaks Quarry (SK 971 108).

Huge numbers have now colonised the new meadow/cycle track, along the minor road to Egleton church, noted on the 18th (SK 877 080).

Six adults, observed in the lower ride of Burley Woods, on the 21st. Four of these were caught and identified (SK 892 093). Two adults found at the Eight Riding Tree (SK 892 098).

Large numbers of stridulating males, including courting pairs and many nymphs, located in pasture fields, at North Arm 1, south shore of Rutland Water, Hambleton, on the 31st, at 4.30 pm. 24 °C, overcast and dry. (SK 903 079).

The Egleton reserve, Rutland Water survey, on the 18th, revealed that the large populations at all the well-documented sites were strong and healthy.

Most of these habitats are south of the Bird Watching Centre, including: in the uncut hay fields near the Badger Watching Hide (SK 879 073). The new lagoon (a small grassy area) (SK 881 077). The rough vegetation, along the path to Fieldfare Hide (SK 884 066). At the edge of the nearly completed new lagoon (SK 882 066). In the rough grasses, at the edge of the Winter Trail (near Redshank Hide) (SK 881 074). To the south of the Centre, in rough grasses, near Tern Hide (SK 879 068).

The first Beaumont Chase Farm survey on the 23rd July, revealed the usual good numbers in the wide

grass margins (SP 842 989); Deepdale Brook and the Rabbit Bank (SP 842 994).

Nymphs and adults observed, pairs in courtship, much stridulating. Four adults, caught and identified, at Dawn's Paddock, on the 31st (SK 841 073). Nearby at the Woodland Trust's reserve, The Seek, two adults seen in the grass rides (SK 839 072).

August: four courting pairs, around the first lake, at Wing Fishing Lakes, on the 3rd (SK 889 023). Four pairs and many adults discovered in meadow, at Mill Lane, Empingham, on the 8th (SK 957 086). New square. Two females observed, and one male stridulating outside Tufted Duck Hide, Lyndon reserve, Rutland Water, and more courting pairs on the way back along the farm track to the Interpretive Centre, on the 14th (SK 888 052). Two stridulating males, at Quarry Farm, on the 15th (TF 015 084). The second Beaumont Chase Farm survey, on the 18th, four adults in pasture, Top Wood Close (SP 847 982). In the conservation area, huge numbers heard and observed in the ride grasses, between the trees. Many nymphs observed (SP 843 983).

September: Final records for this species! One, observed in back garden, of Welland Way, Oakham, on the 5th (SK 854 082). Seven adults, on the Brooke Road, allotments, Oakham, on the 10th (SK 860 081).

PLANT GALL REPORT 2010

The list, as ever, consists mostly of the 'usual suspects', i.e. the commonest galls that occur every year but nevertheless are most welcome as they contribute vitally to the county-wide picture. It is interesting that some gallers seem to appear from nowhere, presumably because the conditions are right for them. One that has appeared this year has been the Powdery Mildew on Meadowsweet, a fungus that appeared for the first time in our 2006 Annual Report and not again until this year. It seems to be the only Powdery Mildew which is a galler, at least in Britain, and it does have a marked effect on the plant, causing considerable distortion of the growing tip as well as more or less totally inhibiting flowering in infected shoots.

The volume of reporting by members has dropped slightly this year, but at the same time I would like to thank those who did report and say that it is not difficult to identify a lot of the commoner galls. I would urge members who do go out into the countryside to consider having a go; all reports are welcome.

Roy Lemmon

Summary: 118 reports, 16 sites surveyed by six members. Site abbreviations on page 72.

CHROMISTA

Peronosporales

Albugo tragopogonis 'White Blister' on Goatsbeard *Tragopogon pratensis*. Vge 7.

FUNGI

Ascomycetes – taphrinales

Protomyces macrosporus on Ground Elder *Aegopodium podagraria*. BarnsLW, HM.

Ascomycetes – powdery mildew

Sphaerotheca spiraeae on Meadowsweet *Filipendula ulmaria*. BW, CPW, PC.

Rusts

Melampsora capraearum on Goat Willow *Salix caprea*. CPW, PC.

M. populnea on Dogs Mercury *Mercurialis perennis*. BOQ, BW, HambW, WhdC.

Phragmidium mucronatum on Dog Rose *Rosa canina*.
PC.

Puccinia circaeae on Enchanters Nightshade *Circaea lutetiana*. PC.

P. glechomatis on Ground Ivy *Glechoma hederacea*.
BLW, CPW, EBR, HambW, KQ, PC.

P. hieracii on Common Knapweed *Centaurea nigra*.
Lynd.

P. lapsanae on Nipplewort *Lapsana communis*. Vge 7

P. malvacearum on Common Mallow *Malva silvestris*.
Vge 7.

P. phragmitis on Broad Leaved Dock *Rumex obtusifolius*. Clips, CPW.

P. poarum on Coltsfoot *Tussilago farfara*. KQ.

P. punctiformis on Creeping Thistle *Cirsium arvense*.
BOQ, KQ, Vge 7, Whd.C.

P. urticata on Common Nettle *Urtica dioica*. KQ.

P. violae on Hairy Violet *Viola hirta*. BOQ, KQ.

P. violae on Wood Dog Violet *V. reichenbachiana*. KQ.

Pucciniastrum circaeae on Enchanters Nightshade
Circaea lutetiana. PC.

Triphragmium ulmariae on Meadowsweet *Filipendula ulmaria*. BW, CPW, PC

Uromyces dactylidis on Lesser Celandine *Ranunculus ficaria*. PC, Vge 7.

U. geranii on Meadow Cranesbill *Geranium pratense*.
HM.

Smut

Entyloma microsporum on Creeping buttercup,
Ranunculus repens. KQ, PC.

ARTHROPODS

Mites

Aceria aceriscampestris on Field Maple *Acer campestre*.
CPW, PC.

A. erineus on Walnut *Juglans regia*. Stret, Vge 7

A. eriobius on Field Maple. CPW, PC.

A. origani on Marjoram *Origanum vulgari*. BOQ, KQ.

A. ulmicola on English Elm *Ulmus procera*. Stock.

Aculus fraxini on Ash *Fraxinus excelsior*. WhdC.

Cecidophyes galii on Cleavers *Galium aparine*. CPW,
Lynd.

Eriophyes convolvens on Spindle *Euonymus europaeus*.
BOQ, Vge 7.

E. prunispinosae on Sloe *Prunus spinosa*. Lynd, Vge 7.

Phyllocoptes goniothorax on Hawthorn *Crataegus monogyna*. DP.

P. malinus on Crab Apple *Malus sylvestris*. Ggorse,
Hamb.W.

INSECTS

Hemiptera - Psyllid

Psyllopsis fraxini on Ash. BW, Clips.

Sternorrhyncha - Aphid

Dysaphis crataegi group on Hawthorn *Crataegus monogyna*. EBR.

Diptera - Anthomyiidae

Chirosia betuleti Mophead Gall on Broad Buckler
Fern *Dryopteris dilatata*. PC.

C. betuleti on Male Fern *D. filix-mas*. BarnsLW, BW,
PC

Gall midges

Dasineura affinis on Dog Violet *Viola canina*. WhdC.

D. crataegi Button Top Gall on Hawthorn *Crataegus monogyna*. KQ, Lynd.

D. pustulans on Meadowsweet. CPW, PC, WhdC.

D. ulmaria on Meadowsweet. CPW, Lynd, PC.

Iteomyia caprae on Goat Willow *Salix caprea*. PC.

Jaapiella veronicae on Germander Speedwell *Veronica chamaedrys*. CPW, HambW, HM, KQ, DP

Macrodiplosis volvens on Sessile Oak *Quercus petraea*.
Stret.

Rabdophaga auritae on Goat Willow. PC.

R. cinerearum Rosette Gall on Goat Willow. Lynd.

R. strobilina Rosette Gall on White Willow *Salix alba*.
BarnsLW.

Rondaniola bursaria Lighthouse Gall on Ground Ivy
Glechoma hederacea. HambW.

Gall Fly

Urophora cardui on Creeping Thistle *Cirsium arvense*.
DP.

Saw Flies

Pontania proxima on White Willow *Salix alba*.
BarnsLW, TbyW.

P. proxima on Osier *S. viminalis*. DP.

Gall Wasps

Andricus lucidus Hedgehog Gall on Oak *Quercus sp.*
BW.

A. quercuscalicis Knopper Gall on Sessile Oak *Q. petraea*. DP, HambW, Lynd, Wg.

Biorhiza pallida on English Oak *Q. robur*. Stock.

Diplolepis nervosa Pea Gall on Dog Rose *Rosa canina*.
KQ, Vge 7.

D. rosae Robin's Pincushion Gall on Dog Rose. BOQ,
CPW, KQ, Vge 7.

Liposthenes glechomae on Ground Ivy *Glechoma hederacea*. BW, KQ.

Neuroterus albipes Smooth Spangle Gall on Sessile Oak. BarnsLW, HambW, Lynd.

N. numismalis Silk Button Gall on Sessile Oak. BarnsLW.

N. quercusbaccarum Currant Gall on Sessile Oak. BarnsLW.

N. quercusbaccarum Currant Gall on English Oak. Stock.

INSECTS AND OTHERS REPORT 2010

Over the year we again received a good number of records across the various orders of insects. Many thanks are due to all our enthusiastic recorders who enable our report to be so comprehensive. It is difficult to compare years. Dragonfly and damselfly records are up on last year – there were good numbers of hymenoptera sightings, especially of red-tailed bumblebees – and ladybirds were well-recorded as well as a greater variety of other beetles.

Gill Chiverton

DRAGONFLIES *Odonata*

DAMSELFLIES

BANDED DEMOISELLE *Calopteryx splendens*
In June 2 or 3 TBW, later in month 15-20 TBW, 3 recorded TBr. In July 'many' recorded TBW, 12 recorded LFP.

EMERALD DAMSELFLY *Lesetes sponsa*
In June one recorded BW, one recorded LFP. In July 5 recorded Stock, 4 recorded LFP. In August one recorded LFP.

WHITE-LEGGED DAMSELFLY *Platycnemis pennipes*
In May recorded WFL. In June 'large numbers' TBW, later in month 'many' TBW then only 1 or 2 on 30th, one recorded LFP, one recorded at Wg. In July one recorded Bthpe.

LARGE RED DAMSELFLY *Pyrrhosoma nymphula*
In May one recorded Stock, recorded 'in good numbers' WFL, recorded Emp, recorded LFP, recorded as 'numerous' TBW, one recorded Bden. In June one recorded TBW, also at LFP, 6 recorded Wg.

RED-EYED DAMSELFLY *Erythromma najas*
In May 4 recorded LFP. In June 3 recorded LFP.

AZURE DAMSELFLY *Coenagrion puella*
In May recorded WFL, one recorded KQ. In June 'abundant' all month Wg, in 'good numbers' LFP.

COMMON BLUE DAMSELFLY *Enallagma cyathigerum*
In May recorded WFL, recorded Emp. In June one recorded Stock, a 'few' recorded TBW with increased numbers later in month TBW and still reasonable numbers on June 30 at TBW, 'fair numbers' OakC, a few TBr, recorded also LFP. In July one recorded Stock, 'many' recorded TBW, one recorded PC.

BLUE-TAILED DAMSELFLY *Ischnura elegans*
In May recorded 'in good numbers' WFL, recorded Emp. In June one recorded TBW, recorded 'in good numbers' LFP.

TRUE DRAGONFLIES

COMMON HAWKER *Aeshna juncea*
In June one recorded Stock.

MIGRANT HAWKER *Aeshna mixta*
In July 2 recorded BW. In August 8 recorded BW, 3 recorded Leigh, one recorded Wg. In September 'small numbers' all month Leigh, and 'small numbers' BW. In October 5 recorded LFP.

SOUTHERN HAWKER *Aeshna cyanea*
In June 2 recorded LFP, 2-3 recorded PC. In July one recorded Leigh, 'present through month' Wg. In August one recorded Stock, 4 recorded Leigh. In September 2 recorded Leigh, 2 recorded BW. In November one recorded Wg.

BROWN HAWKER *Aeshna grandis*
One recorded 30th June TBW. In July one recorded Ext, 3 recorded BW, 3 recorded TBW, 3 recorded Bden. In August one 'regularly through month' Bden. In September one recorded Leigh.

EMPEROR DRAGONFLY *Anax imperator*
In June 2 recorded LFP. In July one recorded Stock, 5 recorded LFP. In August one recorded Stock, 2 recorded Bden. In September one recorded Stock.

FOUR-SPOTTED CHASER *Libellula quadrimaculata*
In May one recorded on two occasions LFP. In June one recorded Stock, 22 recorded over month LFP, one recorded BW. In July 3 recorded LFP.

BROAD-BODIED CHASER *Libellula depressa*
In May 2 recorded BW, 2 recorded LFP, 12+ recorded Emp. In June 30 recorded over month at Wg, one recorded KQ, recorded in small numbers over month LFP, 2 + 3s all month BW, one recorded Bthpe.

BLACK-TAILED SKIMMER *Orthetrum cancellatum*
In June one recorded LFP, 2 recorded BW. In July 7 recorded LFP, 5 recorded BW.

COMMON DARTER *Sympetrum striolatum*
In August one recorded Stock. In September 10-15 recorded KW, one recorded Bden. In October 7 recorded LFP, 2 recorded KQ.

RUDDY DARTER *Sympetrum sanguineum*
In June one recorded LFP.

EARWIGS *Dermaptera*

COMMON EARWIG *Forficula auricularia*
In August recorded as 'plentiful' at Stock.

TRUE BUGS *Hemiptera*

HAWTHORN SHIELD BUG *Acanthosoma haemorrhoidale*

In May one recorded N.Luff. In July one recorded Bden.

BIRCH SHIELD BUG *Elasmotethus interstinctus*
In March one recorded Leigh. In September one recorded Bthpe.

JUNIPER SHIELD BUG *Elasmotethus tristriatus*
In September one recorded Oak.

PARENT SHIELD BUG *Elasmucha grisea*
In September one recorded HambW.

SLOE BUG *Dolycoris baccarum*
In August 2 recorded Stock, one recorded BW. In September one recorded Stock. In October one recorded Bthpe.

WOUNDWORT SHIELD BUG *Eysarcoris fabricii*
In June one recorded LFP.

GREEN SHIELD BUG *Palomena prasina*
In April one recorded Norm. In August one recorded Stock. In November one recorded RWLr.

FOREST BUG *Pentatoma rufipes*
In July 2 in moth traps EBR. In August one recorded RWLr, one recorded Wg, one recorded Bthpe. In September one recorded Wg.

NETTLE GROUND BUG *Heterogaster urticae*
In August one recorded Stock.

COMMON DAMSEL BUG *Nabis rugosus*
In July 7 recorded Stock. In August one recorded Stock.

COMMON GREEN CAPSID *Lygocoris pabulinus*
In September 5 recorded Stock.

POTATO CAPSID BUG *Calocoris norwegicus*
In August 3 recorded Stock.

COMMON FROGHOPPER *Philaenus spumaris*
In June 6 recorded Stock. In July 7 recorded Stock. In August 2 recorded Stock. In September one recorded Stock.

LEAFHOPPER *Cicadella viridis*
In July one recorded Stock.

POND SKATER *Gerridae*
In May 6 recorded Stock.

COMMON WATER BOATMAN *Corixa punctata*
In April one recorded Stock.

COMMON BACKSWIMMER *Notonecta glauca*
In April one recorded Stock. In May 2 recorded

Stock. In June 4 recorded Stock.

CABBAGE APID *Brevicoryne brassicae*

CABBAGE WHITEFLY *Aleyrodes proletella*
In July the above two species recorded as very numerous at Stock.

LACEWINGS, ALDERFLIES *Neuroptera*

GREEN LACEWING *Chrysopidae*

In February C30 hibernating in nest box at Stock. In July recorded as 'numerous' Stock.

GREEN LACEWING *Chrysopa perla*

In March one recorded Thist. In May one recorded RWGC. In July one recorded Stock. In August 6 recorded Stock.

ALDER FLY *Sialidae*

In May one recorded Stock.

SCORPION FLIES *Mecoptera*

SCORPION FLY *Panorpa sp.*

In May one recorded Barns.

CADDIS FLIES *Trichoptera*

CADDIS FLY *Phryganea*

In September one recorded Bden. In October one recorded Bden.

TRUE FLIES *Diptera*

CRANE FLY *Tipulidae*

In September recorded as 'numerous' at Stock.

CRANE FLY *Tipula maxima*

In May one recorded TBW.

SPOTTED CRANE FLY *Nephrotoma appendiculata*

In June 6 recorded Stock. In August 9 recorded Stock.

ST. MARK'S FLY *Bibio marci*

In April one recorded Norm, a 'small swarm' Strett. In May 2 recorded Stock.

HORSE-FLY *Tabanidae*

In June one recorded Stock.

CLEG FLY *Haematopota pluvialis*

In August one recorded Stock.

COMMON BEE FLY *Bombylius major*

In April one recorded CPW, one recorded Vge15, numerous throughout BOQ, one recorded Bden. In May one recorded Stock, 2-3 recorded WhdC.

COMMON BANDED HOVERFLY *Syrphus ribesii*

In April one recorded Stock, one recorded Vge 15. In July recorded as 'numerous' at Stock. In August 10+ recorded Stock.

PIED HOVERFLY *Scaevi pyrastris*

In July 9 recorded Stock. In August 2 recorded Stock.

MARMALADE HOVERFLY *Episyrphus balteatus*

In July recorded as 'numerous' at Stock. In August recorded as 'very numerous' at Stock.

DAINTY BEE HOVERFLY *Leucozona lucorum*

In May 'several' recorded TBW.

LONG HOVERFLY *Sphaerophoria scripta*

In August one recorded Stock.

BUMBLEBEE HOVERFLY *Volucella bombylans*

In May recorded as 'numerous' TBW, one recorded N.Luff. In August 'small numbers' recorded Stock.

PELLUCID HOVERFLY *Volucella pellucens*

In June 4-6 recorded Wg.

PICTURE-WINGED FLY *Urophora carduii*

In July one recorded Stock.

TACHINID FLY *Tachina fera*

In May recorded Barns. In August 7 recorded Stock.

FLESH FLY *Sarcophaga carnaria*

In August one recorded Stock.

GREENBOTTLE *Calliphoridae*

In August recorded Stock.

DUNG FLY *Scathophagidae*

In August 4 recorded Stock.

BEES, WASPS, ANTS, SAWFLIES, ICHNEUMONS etc. *Hymenoptera*

ICHNEUMONS *Ichneumonidae*

In August many members of the family Ichneumonidae recorded Stock.

ICHNEUMON *Ichneumon suspiciosus*

In March one insect allied to above group recorded Upp. In July one insect allied to above group at Stock.

ICHNEUMON *Ichneumon stramentarius*

In July one recorded Stock. In October one recorded Stock.

SPIDER-HUNTING WASP *Pompilidae*

In August one recorded Stock.

POTTER WASP *Ancistrocerus nigricornis*

In July one recorded Stock.

SOCIAL WASPS *Vespidae*

HORNET *Vespa crabro*

In May one recorded Stock. In July one recorded Stock. In August 2 recorded Stock. In September 9 recorded Stock.

COMMON WASP *Vespula vulgaris*

In July a nest recorded Stock. In August nest recorded BOQ, 'several' insects recorded Bden. In October 4 recorded Stock.

GERMAN WASP *Vespula germanica*

In July a 'few' recorded Stock.

TREE WASP *Dolichovespula media*

In July one recorded Emp. In August 2 recorded Stock.

BEES

MINING BEE *Andrena cineraria*

In July 4 recorded Stock.

TAWNY MINING BEE *Andrena fulva*

In April 2 recorded Bden.

WOOL CARDER BEE *Anthidium manicatum*

In June one recorded Stock.

MASON BEE *Osmia rufa*

In April one recorded Stock.

LEAF CUTTER BEE *Megachile centuncularis*

In July recorded as 'numerous' at Stock.

SPRING FLOWER BEE *Anthophora plumipes*

In April 10 recorded Bden

HONEY BEE *Apis mellifera*

In February one recorded Stock. In March c30 recorded Thist, 8 recorded BW, 9 recorded Bden. In April one recorded CPW, recorded Vge 15. In June 7 recorded Stock, one recorded Bden. In August 12 recorded Stock.

BUMBLE-BEES *Apidae*

GARDEN BUMBLEBEE *Bombus hortorum*

In April 'several' recorded Vge 7. In June 7 recorded Stock. In July 'numerous' at Bden.

WHITE-TAILED BUMBLEBEE *Bombus lucorum*

In March 4 recorded Thist. In April one recorded CPW, recorded Vge15. In June 4 recorded Stock. In July 'many' recorded PC.

BUFF-TAILED BUMBLEBEE *Bombus terrestris*

In March 2 recorded Thist, one recorded Bthpe, 24 recorded over the month at Stock, one recorded Bden. In April recorded Vge15, 'several' recorded Vge7. In July 7 recorded Stock, one recorded Vge7. In August 'good numbers' recorded Stock. In October one hibernating in Oak.

EARLY BUMBLEBEE *Bombus pratorum*

In March 5-10 recorded KQ. In April 2 recorded Gorse.

COMMON CARDER BEE *Bombus pascuorum*

In April recorded Vge15, 4 recorded Vge 7, +5 recorded PC. In May one recorded BW, one recorded WhdC. In June 'several' recorded PC. In July one recorded Vge7, 'several' recorded PC.

RED-TAILED BUMBLEBEE *Bombus lapidarius*

In March one recorded Oak, one recorded Stock. In April 10 recorded over month at Stock, 3 queens recorded Vge15, one recorded Vge7, one recorded Bden, 3 recorded PC. In May nest recorded Strett, one recorded BW, 'good numbers' recorded BOQ. In June 6 recorded Stock, 'several' recorded Vge8. In July 22 recorded Stock, 'several' recorded Vge7, 'several' recorded WhdC, 'several' recorded PC, 'numerous' at Bden. In August 20 recorded Stock, one recorded Bthpe. In October one recorded Bthpe.

VESTAL CUCKOO BEE *Bombus vestalis*

In April one recorded PC. In May one recorded Vge7.

BEETLES *Coleoptera*

GREEN TIGER BEETLE *Cicindela campestris*

In April 'approx 6-10' recorded KQ.

VIOLET GROUND BEETLE *Carabus violaceus*

In July 'many' noted Stock. In August 2 recorded Stock.

GROUND BEETLE *Calathus melanocephalus*

In June one recorded RCGC.

BURYING BEETLE *Silpha atrata*

In July one recorded HM.

ROVE BEETLE *Creophilus maxillosus*

In July one recorded Stock.

ROVE BEETLE – DEVIL'S COACH-HORSE

Staphylinus olens

In June one recorded Stock. In August one recorded Stock. In September one recorded Stock.

COCKCHAFER *Melolontha melolontha*

In May 7 recorded over month Bden, one recorded CQ. In June one recorded Bthpe.

DOR BEETLE *Geotrupes stercorarius*

In October one recorded Stock.

CLICK BEETLE *Athous haemorrhoidalis*

In May c12–15 recorded BOQ. In June 2 recorded Stock.

POLLEN BEETLE *Nitidulidae*

In July 'many' recorded Stock.

SOLDIER BEETLE *Cantharis rustica*

In May recorded KQ, one recorded Vge7.

SOLDIER BEETLE *Rhagonycha fulva*

In May c8 recorded Stock. In August 4 recorded Stock, one recorded DP

7-SPOT LADYBIRD *Coccinella 7-punctata*

In February c100 hibernating BFP in wooden posts. In March c6 recorded Thist, 10 recorded over month Stock, 9 recorded Bthpe, one recorded KQ. In April recorded as 'frequent' CPW, 'several' recorded Vge15, 'numerous' throughout BOQ, 12 recorded Bden, 'several' recorded Vge7, 'several' recorded KQ. In May recorded as 'common' Emp and N.Luff, 4–5 recorded BW, 4–5 recorded WhdC, 'several' recorded Vge7. In June 38 recorded Stock, one recorded KQ, 2 recorded Vge8. In July 19 recorded Stock. In August c47 recorded Stock, 2 recorded Bthpe, 2 recorded Bden. In September 4 recorded KQ, one recorded PC, 9 recorded Bthpe. In October one recorded CPW, 3 recorded BarnsLW, 15 recorded Bthpe.

TWO-SPOT LADYBIRD *Adalia 2-punctata*

In February one hibernating BFP. In March 'some' recorded Bden. In June 4 recorded Stock. In July 16 recorded over the month at Stock. In August 16 recorded Stock.

HARLEQUIN LADYBIRD *Harmonia axyridis*

In February one hibernating BFP. In March 3 recorded Bthpe. In May 'occasionally' seen at Emp. In July 3 recorded Stock. In October 2 recorded Bthpe.

HARLEQUIN LADYBIRD *Harmonia axyridis f.conspicua*

In March one recorded Bthpe. In April one recorded Norm. In May 3 recorded Stock. In August one recorded Bthpe.

HARLEQUIN LADYBIRD *Harmonia axyridis f.succinea*

In April 4 recorded Norm. In July 3 recorded Stock.

HARLEQUIN LADYBIRD *Harmonia axyridis spectabilis*

In July one recorded Stock.

CREAM-SPOT LADYBIRD *Calvia 14-guttata*

In February one hibernating BFP. In September one recorded PC.

KIDNEY-SPOT LADYBIRD *Chilocorus renipustulatus*

In August one recorded Upp. In November c12 recorded RWLr.

FOURTEEN-SPOT LADYBIRD *Propylea 14-punctata*

In August one recorded Stock, one recorded BOQ. SIXTEEN-SPOT LADYBIRD *Tytthaspis 16-punctata* In May 2 recorded BW.

22-SPOT LADYBIRD *Thea 22-punctata*

In March one recorded Stock. In June 3 recorded Stock. In July one recorded Stock.

TWENTYFOUR-SPOT LADYBIRD *Subcoccinella 24-punctata*

In July one recorded WhdC.

WATER LADYBIRD *Anisostica 19-punctata*

In November one recorded LFP.

WASP BEETLE *Clytra arietis*

In June one recorded Stock. In July one recorded Stock.

ASPARAGUS BEETLE *Crioceris asparagi*

In August a 'good number' recorded Upp.

LILY BEETLE *Liloceris lili*

In April 3 recorded Bden. In May one recorded Bthpe. In August one recorded Bthpe.

BLOODY-NOSED BEETLE *Timarcha tenebricosa*

Recorded all summer at DP.

LEAF BEETLE *Gastrophysa viridula*

In July c20 recorded TBW.

PEA WEEVIL *Sitona lineatus*

In August recorded as 'numerous' Stock.

WEEVIL *Phyllobius pomaceus*
In May one recorded TBW. In June one recorded RCGC.

NUT WEEVIL *Curculio nucum*
In August one recorded Stock.

WEEVIL *Platyrhinus resinosus*
In May one recorded BW, one recorded WFL

OTHER ARTHROPODS

CENTIPEDES *Chilopoda*

COMMON CENTIPEDE *Cryptops hortensis*
In April 3 recorded Stock.

MILLIPEDES *Diplopoda*

MILLIPEDE *Tachypodoiulus niger*
In April 5 recorded Vge15.

WOODLICE *Isopoda*

COMMON ROUGH WOODLOUSE *Porcellio scaber*
In April c30 recorded Stock. In August 35+ recorded Stock.

COMMON PILL WOODLOUSE *Armadillium vulgare*
In April 12 recorded Stock.

HARVESTMEN *Opiliones*

HARVESTMAN *Phalangium opilio*
In June one recorded Stock.

SPIDERS *Araneae*

DADDY LONG-LEGS SPIDER *Pholcus phalangioides*
In August 2 recorded Stock.

WOODLOUSE SPIDER *Dysdera crocata*
In May one recorded Bden. In July one recorded Stock.

SHEET WEB SPIDER *Linyphia triangularis*
In August one recorded Stock.

LARGE JAWED ORB WEB SPIDER *Tetragnatha montana*
In May one recorded WFL.

GARDEN SPIDER *Araneus diadematus*
In April one recorded KQ. In July 3 recorded Stock.

ORB WEB SPIDER *Araniella cucurbitina*
In July one recorded Wg.

NURSERY WEB SPIDER *Pisaura mirabilis*
In May one recorded Barns.

HOUSE SPIDER *Tegenaria gigantea*
In August one recorded Stock.

CRAB SPIDER *Misumena vatia*
In June one recorded Stock. In July one recorded Stock.

ZEBRA SPIDER *Salticus scenicus*
In May one recorded NLuff.

SLUGS AND SNAILS *Gastropoda*

GREAT BLACK SLUG *Arion ater*
In March one recorded KQ. In April one recorded KQ. In June one recorded CPW. In July 'several' recorded BW. In August one recorded Stock.

GREAT RED SLUG *Arion ater*
In May one recorded TBW.

YELLOW SLUG *Limax flavus*
In August one recorded Bden.

SNAIL *Monacha cantiana*
In April 'several' recorded Vge7.

BROWN-LIPPED SNAIL *Cepaea nemoralis*
In March one recorded KQ. In April one recorded Vge15. In June 3 recorded KQ. In September one recorded HambW.

WHITE-LIPPED SNAIL *Cepaea hortensis*
In April recorded KQ. In May one recorded Stock, one recorded BOQ, one recorded WhdC. In August 'many' recorded Bden. In September one recorded EBR. In October shells recorded BarnsLW.

GARDEN SNAIL *Helix aspersa*
In April recorded KQ. In May recorded as 'plentiful' Stock. In July 2 recorded Vge7.

EARTHWORMS *Annelida*

COMMON EARTHWORM *Lumbricus terrestris*
In March one recorded KQ. In May one recorded BW.

POND LIFE

Isopoda

WATER SLATER *Asellus sp.*
In April c50 recorded Stock.

GLOW-WORM REPORT 2010

Winter was cold with snow and rain; March ended mild and wet, and four dry months followed, mostly warm except for a cold May, while July was hot and sometimes sultry. The glowing season, June and July, proved relatively quite good this year, with exposed grasslands recovering. Two larvae were spotted in Ketton Quarry, where 30 glows were also Rutland's largest single night count. August was cool and very wet, and until mid-November the weather was fairly warm and wet, then it was cold with snow; so probably snails were available to larvae until they could hibernate. Thanks go to all 35 people involved in this year's hunting.

Linda Worrall

Barrowden, Verge 3, Luffenham Road SK 948 005

June 15th: 1 on East verge just south of village sign.
June 21st: 1 in usual place on West verge, above and opposite village sign.
June 28th: 1 on East, and a very good count of 16 on the West verge.

Barrowden, Verge 17, Back Road SK 945 003

June 14th: 4 on North verge between end of new houses and field entrance at west of same field.
June 15th: 2 on North verge as above; 7 in first few metres of field (wheat) alongside thick hedge with ditch and field margin running north; 1 alongside same hedge in adjacent field to west (rape). 1 on South verge opposite new housing, in gateway to paddock.
June 21st: 1 North, in wheat field entrance. South verge front cut, also paddock entrance and further east, by unknown hand.
June 30th: 4 North in positions similar to June 14th above.
July to 20th: 4 or 5 on North as above some nights.

Burley Woods, Junction of Compartments 18, 20, 15, 16, 25, 21, 23, SK 893 098

July 21st: 3 found: 1 and 1 with male 15 yards from the hide on verge edge, 1 in deep vegetation. A late season visit, and more may have been present earlier.

Clipsham Quarry SK 890 155

June 30th: 25 glows on Clay Bank, 6 on North Bank. A fine count.

Essendine Verge 5 and mainline cutting top TF 043 129

July 1st: 1 on NE verge (mainline side), 1 on adjacent side of cutting bank, 1 in field on far side of railway, 6 in cutting top with very tall grasses so more may have been present. The site is important in Rutland and numbers have recently been relatively low. Among possible reasons, one may be that John Copeland's nightly counts, which had to cease a few years ago, showed that it was usual here for numbers over a few nights dramatically to rise and fall in sequence, often several times in a season.

Ketton Quarry, Barbecue area SK 977 055

June 14th: 1 large larva on wooden steps.

Ketton Quarry Geological Trail area SK 978 053

July 3rd: 14 total: 6 in flat area next to carpark, 8 in geology trail/barbecue area.
July 10th: 30 total with 11 spotters: 2 on edge of carpark, 7 adjacent flat area, 7 at bottom of the Valley, 14 in geology trail/barbecue area.
July 14th: 20 seen by 1 spotter.

Ketton Quarry Grove SK 975 056

October 19th: 1 larva seen at mid-day during work by Wildlife Trust.

North Luffenham SK 963 033

July 17th: 1 found in garden, a site remembered from over 10 years ago and checked.

South Luffenham SK 945 027

June 29th: 5 on public footpath westward on south side of railway; 1 on railway line next to this path; 1 on east verge of road south of crossing; 1 behind this verge, on edge of crop in field, next to railway.

OUTSIDE RUTLAND

Leicestershire, Charnwood Lodge SK 458 155

Report that some were seen this year.

Leicestershire, Stonesby Quarry SK 813 250

July 7th: 2 glows.
July 9th: 1 glow.

Northamptonshire, Barnack Hills and Holes NNR TF 075 046

July 6th: On a public walk, Warden found 12, one with a male.

Northamptonshire, Castor Hanglands Reserve TF 124 025

Mid-June: Warden found a new location for him at Blacklands; 1 seen but others probable.

East Sussex, near Ringmer, north of South Downs

July 31st: Householder found 1 on house drive and relocated it to nearby grassland, after using glow-worm website and ringing Society.

France: Rosenac, La Charente

June 26th: Male crawling over 'recording' indicator light on Philip Rudkin's sound equipment.

MAMMALS REPORT 2010

In 2010 mammals were recorded reliably and regularly by a select group of members, some who monitor a species regularly in known locations, others with their occasional chance sightings. Put together, these form an idea of the health of the populations of different mammals and reassuringly many species numbers remain steady. The pattern of colder winters has shown us more reported Stoats in ermine, but has also reduced the number of members braving the wintry conditions to make observations. Those who do are sometimes rewarded by encounters with wildlife both surprising and unforgettable, such as the otter seen at Rutland Water in March, or a Stoat in ermine. Please continue to share your observations with the Society, so that we can continue to compile a meaningful record of mammal populations.

Linda Biddle

Table: Summary of mammal data 2010 (numbers in brackets for 2009)

Species	Number of reports 2010 (2009)	Number of live animals 2010 (2009)	Number of dead animals 2010 (2009)	Evidence 2010 (2009)	Comments 2010 (2009)
Hedgehog <i>Erinaceus europaeus</i>	40 (41)	47 (36)	5 (2)	7 (9)	
Mole <i>Talpa europaea</i>	30 (15)	1 (0)	1 (2)	28 (14)	
Common Shrew <i>Sorex araneus</i>	2 (5)	0 (1)	2 (4)		
Water Shrew <i>Neomys fodiens</i>	0 (0)		0 (0)		
Pygmy Shrew <i>Sorex minutus</i>	1 (1)	0 (1)	0 (1)		
Rabbit <i>Oryctolagus cuniculus</i>	10 (13)	many (many)	3	6	2 black animals seen Belmesthorpe
Brown hare <i>Lepus europaeus</i>	50 (36)	100 (115)	5		1 leveret
Grey squirrel <i>Sciurus carolinensis</i>	18 (13)	22 (13)	0 (0)		
Bank Vole <i>Clethrionomys glareolus</i>	6 (4)	6 (9)	1 (0)		
Water Vole <i>Arvicola terrestris</i>	0 (0)	0 (0)			
Short-tailed Field Vole <i>Microtus agrestis</i>	2 (2)	1 (1)	0 (1)	1 (0)	
Long-Tailed Field Mouse <i>Apodemus sylvaticus</i>	10 (2)	15 (2)	0 (0)	2	2 young
Brown rat <i>Rattus norvegicus</i>	0 (4)	0 (5)	0 (0)		
Red Fox <i>Vulpes vulpes</i>	25 (37)	33 (33)	1 (3)	2 (1)	4 (4) cubs
Stoat <i>Mustela erminea</i>	14 (25)	13 (25)	1 (2)		1 in full, 1 in partial ermine
Weasel <i>Mustela nivalis</i>	14 (9)	13 (9)	1 (0)		
Polecat <i>Mustela putorius</i>	3 (2)	0	3 (2)		
Badger <i>Meles meles</i>	36 (54)	10 (21)	20 (28)	8 (3)	
Mink <i>Mustela vison</i>	1 (1)	0 (1)	1 (0)	0 (0)	
Otter <i>Lutra lutra</i>	7 (16)	1 (6)	0 (0)	6 (17)	
Fallow Deer <i>Dama dama</i>	135 (101)	very many (many)	3 (0)	1 (0)	largest group 70 in March, 100+ fawns
Muntjac <i>Muntiacus reevesii</i>	32 (45)	43 (69)	3 (2)	2 (0)	1 fawn seen Exton in April
Roe Deer <i>Capreolus capreolus</i>	3 (6)	5 (7)	0 (0)		
Chinese Water Deer	0 (0)				

INSECTIVORA

Hedgehog *Erinaceus europaeus*

40 reports, 47+ live, 7 evidence

Evidence of the first hedgehog of the year, droppings were found on 16th March in an Oakham garden. This is much later than in many previous years, due to the severe wintry conditions. The last record in 2010 was a dead hedgehog found in Wing on Dec 20th, possibly dug out of hibernation site by fox or other predator. The last live animal reported was heard grunting on our Secretary's patio in Barrowden on 22nd November. There are regular reports through the summer and autumn months of animals being encouraged to appear in gardens by our members feeding them peanuts, etc., and the population appears to be remaining fairly steady as a result. Young small hedgehogs are in danger of dying during the winter if they do not put on enough weight to last them through hibernation, so feeding and providing well-insulated nestboxes is a good way to help hedgehogs survive, as well as a chance to see these characterful animals close to home.

Mole *Talpa europaea*

30 reports, 1 live, 1 dead, 28 evidence

A lovely photograph accompanied the report in January, from Barnsdale gardens, of a large molehill, which had been seen 'heaving' for about 5 minutes at 11.15 am and again at 12.30 pm, but the mole did not appear. The one live animal was seen in Wing running aimlessly over an uncut lawn in August, in a garden where molehills are ever present. At Fort Henry in September molehills were seen dug out and with fox prints on them, some marked with fox droppings. Evidence, in the shape of many molehills, became apparent after the melting of snow both early and late in the year and many reports were received. These came from a wide area, Exton Park, Lyndon, Barnsdale, Whitwell, Eyebrook, Priors Coppice, Burley Wood, Stocken, Bloody Oaks, Hambleton, Clipsham, Thistleton.

Common Shrew *Sorex araneus*

2 reports, both dead animals.

These animals were found in July, one at Clipsham Quarry on the clay bank, and the other beside the path from Horn Mill to Fort Henry ponds

Pygmy Shrew *Sorex minutus*

1 report, 1 dead

This animal was found on a ride in Burley Wood in July. The observer noted the tail length as being nearly as long as the body of the animal, compared to that of a common shrew which would be only half the length of the body.

LAGOMORPHA

Rabbits *Oryctolagus cuniculus*

10 reports, many live animals, 2 black, 5 evidence

Two black rabbits were seen along with normal rabbits in Belmesthorpe in July. Myxomatosis was seen in rabbits at Thistleton in April, and in May on the Pickworth road, and at Bloody Oaks dead rabbits were also found. Members have been sending reports of active warrens, which gives a record of where rabbits are present in numbers, for example at Bloody Oaks reserve, verge of Pickworth to Great Casterton road, Whitwell Creek Rutland Water, Gorsefield Oakham.

Brown Hare *Lepus capensis*

50 reports, 100+ live, 5 dead

Again this year hares are commonly reported in many parts of Rutland. They have been seen in Wing, Ashwell, Stocken, Thistleton, Barrowden, Greetham, and commonly around the Pickworth area. Hares were seen boxing in February near Little Haw Wood, and close to Turnpole Wood.

RODENTIA

Grey Squirrel *Sciurus carolinensis*

18 reports, 22 live

Squirrels were seen in most months of the year, not observed in January and February. They were active in woods around the county, Hambleton, Clipsham, Barnsdale, seen regularly visiting bird feeders in Oakham, hunting for food in the pouring rain at Gibbets Gorse, running along the top of board fencing at Barrowden, and also at Edith Weston, Exton, Lyndon and Barnsdale.

Bank Vole *Clethrionomys glareolus*

6 reports, 6 live animals, 1 dead

One or two Bank Voles were seen almost daily during the first 4 months of the year in the wall of Dr Gallimore's garden at Wing. (In June they returned to the garden at Waverley Gardens, Stamford). In July a dead animal was found (cat victim) in an Oakham garden.

Short-tailed Field vole *Microtus agrestis*

2 reports, 1 live, 1 evidence

The roadside verge near the gate to Burley Wood was full of field-vole tunnels, seen in March. In Langham an individual vole was seen running along the house wall until disturbed, but then made to go across the garden and dived under plants

Long-tailed field mouse *Apodemus sylvaticus*

10 reports, 15 live, 2 evidence, 2 young

Field mice were observed in an Oakham garden feeding on a bird feeder and nuts on the ground, during March, April and May. Hazelnut shells found at Burley on the Hill in March showed evidence of being chewed by field mice, and at Thistleton roadside verge a nest hole was found under a cardboard box, the mouse disappearing down the hole when the box was lifted. At Barrowden in March and April field mice were also regular visitors most evenings.

Brown Rat *Rattus norvegicus*

There were no reports this year

CARNIVORA**Red Fox** *Vulpes vulpes*

37 reports, 33 live, 3 dead, 4 cubs, 2 evidence

Foxes were regularly reported, often two seen together, in local woods, Little Haw, Pickworth, and Burley. The first fox report of 2010 was one heard barking close to Stocken Prison on consecutive nights in January. A fox was also seen looking for sickly birds in front of Shallow Water hide at RW. Cubs were reported in Pickworth Wood, and at Banthorpe gravel pit. Other adults were seen at Wardley Hill, Beaumont Chase, Great Casterton, Red Hill Barrowden and Braunston.

Stoat *Mustela erminea*

14 reports, 13 live, 1 dead

The exceptionally cold winter 2009/10 gave us two reports of Stoats in ermine. The first on 2nd January in Exton Park was almost in full ermine, with just a patch of brown along its left flank, and the second at the end of January ran across the path of the Egleton reserve, this one with a white tail end. Stoats were observed on three more occasions in January, once on the Barrowden Road near Morcott, and twice near the small road at Leighfield Fishponds. In February a stoat was observed in Manor Farm gardens at Pickworth, and in April seven reports included two from Burley Wood, one at Leighfield, at Wing, Lyndon carpark, Church Road Ketton, and sadly a road casualty was found on Ryhall Road Great Casterton. In August a stoat crossed the road in front of a car near Clipsham.

Weasel *Mustela nivalis*

14 reports, 13 live, 1 dead

More weasels were seen this year, the first hunting in January snow on the roadside verge between Manton and Edith Weston. Many were observed crossing the road, but one appeared in the Worrall's garden at Barrowden, and another was on the

fairway at Greetham golf course. Under the stile by the Fort Henry Trout farm a weasel appeared up a hole in the ground, just as a walker climbed over. She squeaked and remained frozen, looking down at the weasel for at least 30 seconds, before the weasel disappeared again down the hole.

Mink *Mustela vison*

1 report, 1 dead

The only mink reported this year was a dead one SW of Ketton on the A 6121.

Ferret *Mustela putorius*

2 road casualties

Both found in march, one on Wardley Hill, and the other on the Corby road out of Uppingham just past Gower Lodge. Both animals had a distinct mask.

Badger *Meles meles*

36 reports, 10 live, 20 road casualties

Badger setts around the area have showed signs of digging through the year, and several latrines have been found, marking the edge of badger territories. Dead animals have been seen in many areas, showing wide distribution and large numbers of these animals, but there have also been interesting encounters with live Badgers. One crossed Wakerley Road Barrowden one February evening, and a badger in a copse at Langham was disturbed by a dog, which chased it through a hedge. In April at Gorsefield one was seen at dawn running down the roadside next to the wood.

One member in Oakham was using a ground feeder for the birds, in April, and could not understand how the food disappeared before the birds could find it. One evening she looked out to see a badger busily scoffing the food for 20 minutes until it had all gone, long enough to photograph the culprit, then the badger ambled through the hedge and disappeared towards Glebe Way.

One May afternoon when the rape was in flower a disturbance in the crop alongside me gave away the position of a badger, which moved parallel to me, then dashed across the track to a sett only a couple of yards in front of me. Later in the month a cub was resting under a hawthorn, and was disturbed by dogs. It rushed towards the sett entrance, but was halted by the dogs. The cub bravely stuck up its nose, faced the dogs and made a threatening sound, a kind of throaty grunt, holding the dogs at bay (though they were twice its size), until it was able to run into the sett.

Otter *Lutra lutra*

7 reports, 6 evidence (1 spraint 4 dead fish)

In early March on consecutive evenings an Otter was seen swimming alongside the reedbed on the North side of Lagoon III. It climbed onto an abandoned tern raft, and spraint marked it on both occasions. Fresh spraint was found in May on the River Welland, and fish remains at Greetham Golf course and on three separate occasions at Fort Henry Ponds.

ARTIODACTYLA

Fallow Deer *Dama dama*

135 reports, very many (eg 104 in December) (largest group 56)

In 2010 large numbers of Fallow Deer have again been reported from local woods. Regular monitoring of Pickworth Great Wood, Clipsham, Little Haw and Burley Woods show their presence throughout the year. Many remains found during the winter months are evidence of culling by the Forestry Commission. In Tunnely Wood Exton, Fallow Deer were reported on 3 occasions during the year, and other records came from Little Sutie Wood, Verge 7, Crossroads Farm, Empingham, Bloody Oaks and Clipsham .

Roe Deer *Capreolus capreolus*

3 reports, 4 live animals

The only reports of Roe Deer this year came from Tunnely Wood, where single animals were seen in April and May, and in November three crossed the ride near a pheasant pen.

Muntjac Deer *Muntiacus reevesi*

32 reports, 43 animals, 3 dead, 2 evidence, 1 fawn

Muntjac were reported from Burley Wood in every month except January and December. Up to six were seen individually, on each visit, one pair seen in April. They were also reported in Clipsham, Little Haw and Morkery Woods. In March one was seen browsing on shoots on the embankment at Manton, and in April one in central Oakham, another between Bisbrooke and Lyddington, and a female with fawn in woodland in Exton Park. Others were seen later in the year at South Luffenham Heath, Bloody Oaks, Quarry Farm Little Casterton and Seaton Road Barrowden.



BAT REPORT 2010

Bat activity was recorded in every month from March to December inclusive; the very cold weather in January and February perhaps, unsurprisingly, resulting in the lack of any records other than of bats using the East Rutland Hibernaculum. The first record of the year was of bats flying round the Stone House, Wing, on 24.3, while the last bat of the year was a brown long-eared found in Morcott Hall on 30.12, which disappeared when disturbed.

Following the sighting in Wing, unidentified bats were recorded flying in Oakham on 16.4, in Barrowden in May, when up to six or seven small bats were seen on 22.5; and at Stocken Prison on 18.5 and 20.5. There were no further records until October, when a small bat was flying over the lane leading to the Egleton Visitor Centre on 18.10; on 27.10 a small bat was flying just before sunrise at Leighfield Fishponds, and on 28.10 one was flying at the same time at the Brooke Road allotments in Oakham. Small bats were seen near Brooke on 1.11, and two at Leighfield Fishponds on 5.11. One was flying in Empingham School hall on 8.12 and 14.12, and a small bat was disturbed where it was hibernating among lagging in a loft in Glaston Road, Uppingham on 24.12.

In the following species accounts, the status given is for Rutland only, unless otherwise stated.

Hibernaculum counts

Date of count	10th January 2010	28th February 2010
Number of surveyors	4	2
External temperature	1.6 °C	3.9 °C
Daubenton's	1	–
Natterer's	2	5
Brown Long-eared	–	2
Barbastelle	1	–

On 10.1, large icicles and frozen water on the floor of the Hibernaculum were evidence that the temperature inside the site had been below freezing for some time prior to the visit.

Common Pipistrelle *Pipistrellus pipistrellus*

Common and widespread.

The first confirmed record of the year was of a male found grounded near the church in Whissendine on 26.3. A further eight grounded bats were found during the course of the year (see Table 3). Common pipistrelles were recorded frequently from 19.4 until 21.9 over a garden in Barmstedt Drive, Oakham, the last one there recorded on 5.10. Bats were heard near Pit Lane, Ketton on 14.5; foraging was heard in compartment 26 in the eastern part of Burley Wood on 3.6; in Aldgate, Ketton on 3.7 and 10.7; in Ayston village on 18.7 this was the only species recorded. In August the species was again heard in Burley Wood on 4.8, also near Harrier Hide, RW, on 21.8 and around Rutland Sixth Form College in Oakham on 22.8. They were occasionally heard during August in a Barrowden garden. Common pipistrelles were also well represented on the Hambleton Peninsula on 4.9.

In spite of their widespread nature, only one confirmed common pipistrelle roost was counted for the NBMP (National Bat Monitoring Programme). At Braunston Church, a count of 22 bats on 12.6 had risen to 64 on 23.6.

Soprano Pipistrelle *Pipistrellus pygmaeus*

Common and widespread, although much less often encountered away from woodland and wetland than *P. pipistrellus*.

The first report of a soprano pipistrelle was from Barmstedt Drive, Oakham on 14.5, where the species was also recorded on 29.8 and 20.9, which was also the last record of the year. Bats were emerging from and foraging round a brown long-eared bat roost at Barnsdale on 15.6 and 26.6. Five soprano pipistrelle roosts were counted for the National Bat Monitoring Programme (NBMP) (see Table 1). The Whitwell roost held 485 bats on 7.6, an astonishing 526 on 22.6 (the largest count in Leicestershire and Rutland) and 490 on 5.7, when juveniles were also emerging. The nearby Rutland Watersports roost had only one bat on the June count dates, probably because a colony of wasps had built a nest inside the soffit through which the bats gain access to their roost site, but 46 bats emerged on 26.7, after the wasps had stopped flying for the night. The colony at Braunston, with 202 present on 19.6, entered through a gap in a chimney. Soprano pipistrelles were also recorded foraging in Burley Wood on 3.6 and 4.8; Ketton on 3.7 and 10.7; and Hambleton Peninsula on 4.9.

The bats at Stone House, Wing were originally thought to be common pipistrelle, but a recoding and sonogram created by Dave Cole in 2010 showed they were sopranos. There were no bats at the roost at Lyndon Road, Manton during the NBMP count period in June.

Pipistrelle (not identified to species)

The rescue of a non-flying juvenile male pipistrelle at Tinwell Church on 11.7 led to the discovery of a maternity roost at the east end of the chancel. At the end of July it was reported that a maternity roost in Barrowden had fewer bats in 2010 than formerly and in August few pipistrelles were seen crossing a Redland Close, Barrowden, garden. A dead pipistrelle was found on 15.9 in the garden of the Stone House, Wing, with droppings seen until late autumn. A pipistrelle roost at Gunthorpe was very active in July, but was not counted nor identified to species.

Nathusius' Pipistrelle *Pipistrellus nathusii*

Nationally and locally rare.

Two or three possible Nathusius' pipistrelles emerged on 4.8 from a site in Burley Wood that was formerly a maternity roost for the species. Later that evening, when it was completely dark, several were heard at the main entrance to the wood, apparently leaving in the direction of Rutland Water.

Brown Long-eared Bat *Plecotus auritus*

Widespread, possibly common.

The first confirmed record of the year (by computer-generated sonogram) was of several bats foraging over low brambles in compartment 26 at the eastern end of Burley Wood on 3.6 at around 9.15 pm.

Two roosts were counted for the NBMP. At Barnsdale there were up to 22 bats on 15.6 and 17 emerged on 26.6. In Wing, no bats seemed to be using the maternity roost during the June and July count period, although bats were emerging from old exit points at other times, and droppings were noted in the outbuildings during September.

A single grounded bat was found at Linecross Engineering, South Luffenham on 13.9 (see Table 3). The last bat of the year was a long-eared found on 30.12 inside a house in Morcott, where the species had been found before.

Daubenton's Bat *Myotis daubentonii*

Widespread in suitable habitat, but cannot be considered common in Rutland. Currently no maternity roosts known.

Foraging Daubenton's bats were heard briefly at the bridge over the R. Chater at Aldgate, Ketton, on 14.5 and there were good views of foraging bats at the same location on 3.7 and 10.7. On these dates they

were also foraging around the bridge over the river at Church Road, Ketton. Bats that were thought to be this species from sonograms were heard near the main gate into Burley Wood on 3.6 and 4.8.

Natterer's Bat *Myotis nattereri*

Uncommon in Rutland. Two maternity roosts known.

The maternity roosts at Whissendine and Stoke Dry churches were counted for the NBMP. The numbers were disappointing at Whissendine, with 28 on 13.6 (when the church light had been left on) and 33 on 20.6. The church is now floodlit, which may have had an effect on numbers, which were higher in the recent past. The count at Stoke Dry has also reduced over the last few years.

Whiskered Bat *Myotis mystacinus*

Uncommon; only one maternity roost known.

The maternity roost in Seaton was counted; 57 bats emerged on 21.6. On 24.10 a grounded bat was found at Stocken Prison (see Table 3), which only weighed 4.0 gm and was euthanased at the Oakham Veterinary Hospital when it would not eat or drink.

Noctule Bat *Nyctalus noctula*

Uncommon. No maternity roosts currently known.

The species may be under-recorded because most bat detecting is done with detectors tuned to 4550 kHz, which is the range of most other species, whereas noctules echo-locate between 18 kHz and 30 kHz. Noctule bats were reported over Ketton village in May by a consultant surveying a building there. In July, bats were recorded in Ketton, with one heard briefly over Station Road on 3.7, while on 10.7 they were foraging over the R. Chater in Aldgate. One was heard briefly in Burley Wood on 3.6, but not on 4.8.

Barbastelle Bat *Barbastella barbastellus*

Nationally and locally rare.

In addition to the bat found in the East Rutland Hibernaculum, a single barbastelle was heard briefly near the Stamford Road gate in Burley Wood on 3.6. It appeared to be heading out of the wood at about 10.45 pm.

Table 1: Roosts counted for the National Bat Monitoring Programme

Two counts in June are timed to take place before juveniles are flying, so as to assess the breeding population (i.e. adult female numbers). The numbers below are the peak counts. 2009 counts are included for comparison.

Location	Species	2010	2009
Barnsdale	Brown Long-eared	17	4
Braunston Church	Common Pipistrelle	64	31
Braunston (other)	Soprano Pipistrelle	202	New
Manton, Lyndon Road	Soprano Pipistrelle	NP	177
Oakham, The Dell	Pipistrelle sp.	2	NP
Rutland Watersports	Soprano Pipistrelle	1 *	111
Seaton (not NBMP)	Whiskered	57	56
Stoke Dry Church	Natterer's	27	20 approx.
Whissendine Church	Natterer's	33	55
Whitwell	Soprano Pipistrelle	526	165
Wing	Brown Long-eared	0	6
Wing	Soprano Pipistrelle	31	44

Key: NP – not present New – roost only discovered in 2009 after count period. *46 bats counted in July.

Table 2: Other roosts visited/recorded

Location	Species	Roost type	Comments
Ashwell	Brown Long-eared, Pipistrelle	Church	Start of re-roofing
Cottesmore	Brown Long-eared, Pipistrelle	Church	Roof repairs
Lyddington	Common Pipistrelle	Church	Grounded bat
Ridlington	Pipistrelle	Church porch	Re-roofing porch
Rutland Watersports	Soprano Pipistrelle	In roof	Wasps nest
Tinwell	Pipistrelle sp.	Church	New roost

Table 3: Summary of grounded bats in 2010

Date	Species	Location	Age	Sex	Outcome	Comments
26.3	Common Pipistrelle	Whissendine	Adult	Male	Released	Starved
1.6	Common Pipistrelle	Morcott	Adult	Male	Dead	Starved/dehydrated
8.6	Common Pipistrelle	Langham	Adult	Male	Died	Starved/dehydrated
23.6	Common Pipistrelle	RAF Cottesmore	Adult	Male	Released	Thin, cat strike
9.7	Pipistrelle sp.	Tinwell Church	Juv.	Male	Released	Returned to roost
13.7	Common Pipistrelle	Lyddington Church	?	Male	Released	Thin, found in church
6.8	Common Pipistrelle	Sixth Form College, Oakham	Adult	Male	Released	Trapped inside
18.8	Common Pipistrelle	Manton	Adult	Female	Kept	Possibly hit by car
27.8	Common Pipistrelle	Burley Circle	?	Female	Died	Starved, cat strike
13.9	Brown Long-eared	South Luffenham	Juv.	Female	Died	Starved/dehydrated
13.9	Common Pipistrelle	Empingham School	Juv.	Female	Died	Starved/dehydrated
24.10	Whiskered	Stocken Prison	Juv	Female	Died	Starved/dehydrated

Key: Juv. - juvenile

Jenny Harris

MYCOLOGY REPORT 2010

INTRODUCTION

The first two and a half months of the year were very cold with snow and rain; the end of March was mild and wet. It was then dry for four months with April mild, May cold, June warm and July hot. August was cool and very wet. September was 'average', October fairly warm and fairly wet. In November it was hot with average rainfall till mid month, then very cold with rain and snow. December was very cold and dry. Most gill fungi and boletes were recorded in September to mid November, an 'average autumn' following wet August, after much dryness.

In 26 locations, 25 people reported 227 fungal species, a low average count relative to the 22 years of our records. Gill fungi and boletes accounted for 90 sightings, better than the 55 out of 179 in 2009 but nowhere near the 198 out of 378 in warm, wet 1999. Dry 2000 had a poor average total of 252 species, when 109 were gills and boletes. Numbers within species are generally quite low in Rutland.

The count of sightings in sites over 2010 was topped by King Alfred's Cakes *Daldinia concentrica* with 13, over 10 months; second was Dryad's Saddle *Polyporus squamosus* with 10, from April through to September and very noticeable in wet August; Turkeytail *Trametes versicolor* 9, over 8 months; Sulphur Tuft *Hypholoma fasciculare* 8, mostly in September; equal 5th with 7 were three ascomycetes: powdery mildew *Erysiphe heraclei* in July, September and October; discomycetes *Calloria neglecta* in March, April and May and Sycamore Tarspot *Rhytisma acerinum* in April, August, September and October. Jelly Ear *Auricularia auricula-judae* has been a regular top-scorer over the years, but not in 2010.

21 species were new to us this year, bringing our Rutland running total to 1,188. Many were microfungi, thanks to Roy Lemmon, who also found *Puccinia arenariae* on Water Chickweed at Barnsdale Lodge Wood, confirmed by Kew as a host new to the UK. Two *Inocybe* sp were at Prior's Coppice in September, together with The Humpback *Cantharella umbonata* and Pearly Parachute *Marasmius wynnei*, seemingly on its only site within Vice-county 55 (Leics and Rutland). Many thanks to Richard Iliffe, Tom Hering and the Leicestershire Fungi Study Group for these records, and for their Ketton Quarry foray in April.

A lack of Morels in the dry spring was unsurprising, but it was good to have an autumn relative, White Saddle *Helvella crispa* at Ketton Quarry in October and November. *Russula* and *Lactarius* species were back with us too; last year we had no sightings at all in that dry autumn.

There were other treats: in an otherwise rather scant year for waxcaps, September saw over a hundred yellow *Hygrocybe langei* in their usual quarry bottom at Bloody Oaks Quarry, and in that same limestone region was the strange sight of Larch Bolete *Suillus grevillei* and Copper Spike *Chroogomphus rutilus*, thanks no doubt to the coniferous planting in the adjoining land – well spotted Linda Biddle.

The Society is greatly indebted to those who have regularly visited certain localities over the years, including Don and Barbara Parker, Patrick and Enid Mann, Elizabeth Northen, Jackie Myers, Brenda Lynch, Jane Ostler, Roy Lemmon and Tim Caldicott. Phyllis Cook is much missed. Members such as David Perril at Barleythorpe and Mike Norris and Raven Williams at Manton look out for fungi in their neighbourhoods, others note garden finds, sometimes with photographs, and James Crosby's sightings at HMP Stocken have increased our records considerably.

Comments on record cards can be evocative; this October, for example, concerning Honey Fungus *Armillaria mellea* 'bootlaces' at Clipsham Park Wood, Barbara Parker notes: 'fat, large rhizomorphs – never seen such large and so many before' and 'nothing of fungi nature seen at all from the carpark to Addah Wood. All felled logs removed from the area. Interesting to see what appears.'

On his cards, Dr Clive Jones, as a geologist, alerted me to the relevance of Rutland soils not only to plants they may support but also to fungi. There are field edges between Ayston and Ridlington where he finds clusters of the charming and unusual Field Bird's Nest *Cyathus olla*, a small splash cup with tiny puffballs inside. In January and December this year the crop was winter wheat, and in September harvested beans. The bare, grey-brown sandy earth they were on is derived from a Northamptonshire Sand substrate with a very thin veneer of boulder clay. The literature notes that this fungus occurs on soil, preferentially sandy/chalky soils, and can be with crop debris. It must be very at home in its Rutland site.

Fungi are integral to the web of life. We have symbiotic mycorrhizal associations between plants, trees and fungi, decomposing fungi recycling wood and leaf litter on land and Ingoldian hyphomycetes doing the same in foam in water. Parasitic action was demonstrated in Clipsham Park Wood this October when the anamorph (*Sphaerellopsis* state) of the ascomycete *Eudarlucia caricis* was parasitic on the rust *Uromyces viciae-fabae* var *viciae-fabae*, itself parasitic on Hairy Tare *Vicia hirsuta*. Roy Lemmon noted: 'the plant was very heavily infected'. Fungi are all around us, strange and wonderful. It's great when they get noticed!

Linda Worrall

ASCOMYCOTINA

<u>Anthracobia macrosystis</u> /9KQ/11KQ	<u>Erysiphe depressa</u> /9HambW,EBR	<u>Peziza vesiculosa</u> /12Ayst
<u>Ascocoryne sarcoides</u> /1RWeg/3RWeg	<u>Erysiphe galeopsidis</u> /9EBR/10BarnsLW	<u>Phaeohelotium extumescens</u> /11KQ
<u>Bisporella citrina</u> /1CPW/10KQ	<u>Erysiphe heraclei</u> /7Vge7,PC/9RWLr/HambW,EBR,PC/ 10HM	<u>Phyllactinia mali</u> /9RWLr,PC/10BarnsLW
<u>Blumeria graminis</u> /6CPW	<u>Erysiphe sordida</u> /9EBR	<u>Protomyces macrosporus</u> /10HM,BarnsLW
<u>Calloria neglecta</u> 3BOQ,KQ,BarnsW/4KQ,RWLr,PC/ 5WhdC	<u>Erysiphe tortilis</u> /9PC	<u>Rhopoglyphus filicinus</u> /5RW
<u>Chlorociboria aeruginascens</u> /2KQ/9PC	<u>Helvella crispa</u> /10KQ/11KQ	<u>Rhytisma acerinum</u> /4KQ/8BOQ/9KQ,EBR/ 10CPW,HM,BarnsLW
<u>Daldinia concentrica</u> /1RWeg/2CPW/3BarnsLW/4KQ,PC/ 5BW,Stock/6PGW/7PGW/8KQ/9PC/ 10Stock,PC	<u>Hypomyces aurantius</u> /3BarnsW	<u>Sarcoscypha austriaca</u> /3BW,KQ
<u>Dasyscyphus brevilpullus</u> /3KQ	<u>#Hypomyces chrysospermus</u> /9PC	<u>Sawadaea bicornis</u> /9EBR/10HM/11RWLr
<u># Dasyscyphus reclinus</u> /11KQ	<u>Hypoxyton fragiforme</u> /4KQ/10KQ	<u>#Scutellinia ampullacea var parvula</u> /6PC
<u>Diatrype disciformis</u> /11BarnsW	<u>Hypoxyton fuscum</u> /3BarnsLW/9PC	<u>Sphaerotheca aphanis</u> /9HambW/10HM
<u>Diatrype stigma</u> /4KQ,Ggorse/9PC/10KQ,BarnsLW	<u>Hypoxyton multiforme</u> /4KQ	<u>Sphaerotheca fugax</u> /7Vge7
<u>Diatrypella quercina</u> /9PC	<u>Leptosphaeria acuta</u> /3BOQ,KQ/4KQ,RWLr,PC	<u>Sphaerotheca fusca</u> /7Vge7
<u>#Diplocarpon earlianum</u> /7PC	<u>#Leptosphaeria doliolum</u> /6CPW	<u>Sphaerotheca spiraea</u> /6CPW/7PC/9PC
<u>#Discostroma tosta</u> /4KQ	<u>Microsphaera alphitoides</u> /9RWLr,HambW/10CPW,BarnsLW	<u>Sphaerotheca plantaginis</u> /10HM
<u>Eudarluca caricis</u> /10CPW	<u>Microsphaera tortilis</u> /7Vge7/11RWLr	<u>Uncinula adunca var adunca</u> /9DP
<u>Erysiphe alphitoides</u> /9PC	<u>Microsphaera trifolii</u> /7Vge7	<u>Uncinula adunca var regularis</u> /7PC/9PC
<u>Erysiphe aquilegiae var ranunculi</u> /7Vge7/10RWLr	<u>Mollisia melaleuca</u> /4KQ	<u>Xylaria carpophila</u> /3KQ
<u>Erysiphe cichoracearum var cichoracearum</u> /7Vge7/9HambW	<u>Nectria cinnabarina</u> /4Ggorse/11BarnsW,KQ	<u>Xylaria hypoxyton</u> /1KQ,BOQ/4KQ,10PC,KQ/11KQ
<u>Erysiphe cynoglossi</u> /9EBR/10BarnsLW	<u>Nectria episphaeria</u> /10BarnsLW	<u>Xylaria longipes</u> /9PC
	<u>Peziza petersii</u> /10KQ	<u>Xylaria polymorpha</u> /9PC

BASIDIOMYCOTINA

APHYLLOPHORALES Brackets, Crusts, Corals

<u>Bjerkandera adusta</u> /1HambW,Bden/3RWeg/4KQ	<u>Oxyporus populinus</u> /9PC	<u>Postia subcaesia</u> /9PC
<u>Clavulina cinerea</u> /9PC	<u>Peniophora cinerea</u> /3KQ	<u>Schizopora paradoxa</u> /9PC
<u>Clavulina coralloides</u> /9PC	<u>Peniophora lycii</u> /4KQ	<u>Stereum rameale</u> /2KQ
<u>Daedalea quercina</u> /3BW	<u>Piptoporus betulinus</u> /1KQ,CPW/3BarnsW,BW	<u>Stereum rugosum</u> /3BW/9PC
<u>Daedaleopsis confragosa</u> /3RWeg/4KQ/9PC/11RWLr	<u>Polyporus durus</u> /4KQ	<u>Stereum subtomentosum</u> /4KQ
<u>Fomes fomentarius</u> /6PGW	<u>Polyporus squamosus</u> /4KW/5BW,Brk/6CQ,PGW/7PC/ 8KQ,CPW,PGW/9PC	<u>Trametes gibbosa</u> /11KQ
<u>Ganoderma applanatum</u> /6PGW/7PGW	<u>Postia caesia</u> /9RWLr	<u>Trametes hirsutum</u> /1Bden/3RWeg/9PC
<u>Laetiporus sulphureus</u> /5BW/9PC	<u>Postia stiptica</u> /11BarnsW	<u>Trametes versicolor</u> /1HambW/3BarnsW/4Ggorse/5BW/ 6Stock/9DP,PC/10BarnsLW/11KQ
<u>Meripilus giganteus</u> /9Wg		

TREMELLALES & Jelly Fungi

Auricularia auricula-judae
/2KW/3KQ/4KQ/8Bden/9RWLr/11KQ
Dacrymyces stillatus
/1RWeg/3RWeg,BW/7Stock

Exidia glandulosa
/1Hamb/7Stock
Exidia nucleata
/3KQ/11KQ

Exidia thuretiana
/1KQ
Tremella mesenterica
/2Stock

AGARICALES Gill Fungi

Agaricus biquortis
/9Bden
Agaricus xanthermus
/10CPW
#Armillaria gallica
/9PC
Armillaria mellea
/10CPW,BarnsLW
Bolbitius vitellinus
/8BOQ/10PC
Calocybe gambosa
/5BOQ,Stock/6Stock
#Cantharellula umbonata
/9PC
Chroogomphus rutilus
/9BOQ
Clitocybe geotropa
/10CPW
Clitocybe nebularis
/11BarnsW
Collybia butyracea
/10BarnsLW/11BarnsW
Collybia dryophila
/6CQ/7PGW/9RWLr,PC
Conocybe tenera
/9PC
Coprinellus disseminatus
/9PC
Coprinellus micaceus
/6CQ/7PGW/9RWLr,PC/
10Barleythorpe
Coprinopsis marcescibilis
/4KQ
Coprinus atramentarius
/6Stock,RWeg/8Stock,KQ/
9Stock,ShipleysCommonVge,RWLr
Coprinus comatus
/8Bden/9Bden,Stock/
10Stock,Man,CPW
Coprinus plicatilis
/4Stock/8Stock
#Cortinarius ?flexipes
/9PC
Crepidotus mollis
/9RWLr/10KQ/11BarnsW
Entoloma conferendum
/6Stock/8Stock
Entoloma porphyrophaeum
/10CPW
Entoloma rhodopolium
/9PC
Entoloma sericeum
/9Stock
Flammulina velutipes
/1Bden/2KQ,CPW,Barleythorpe/
3BOQ,KQ
Hebeloma ?sordescens
/9PC

#Hemimycena tortuosa
/9PC
Hygrocybe conica
/8Stock/9Stock/10Upp
Hygrocybe langei
/8BOQ/9BOQ
Hygrocybe nivea
/10KQ
Hygrocybe pratensis
/10PCW
Hygrocybe virginea
/10Upp,CPW
Hygrophoropsis aurantiaca
/9RWLr/11BarnsW
Hypholoma fasciculare
/4KQ/8Stock/9RWLr,Stock,Gorse,
EBR,PC/10Man
Inocybe asterospora
/9PC
Inocybe flocculosa
/9PC
Inocybe geophylla
/9PC
Inocybe geophylla var lilacina
/9RWLr,PC
#Inocybe squamata
/9PC
#Inocybe umbrinella
/9PC
Laccaria amethystina
/9PC/11BarnsW
Laccaria laccata
/9HambW,PC
Lactarius fulvissimus
/9PC
Lactarius pubescens
/10Man
Lactarius pyrogalus
/9PC
Lactarius quietus
/9RWLr,PC
Lactarius rufus
/9RWLr
Lactarius turpis
/9RWLr
Lactarius vietus
/9RWLr
Lepiota cristata
/8BOQ/9BOQ
Lepista flaccida
/9RWLr/10BarnsLW
Lepista nuda
/11BarnsW
Leucopaxillus giganteus
/10Man
Macrolepiota leucothites
/10Barleythorpe
Macrolepiota rhacodes
/10CPW

Marasmius epiphyllus
/10KQ
Marasmius oreades
/8Stock/9Stock
Marasmiellus ramealis
/9PC
#Marasmius wynnei
/9PC
Megacollybia platyphylla
/9RWLr
Mycena arcangeliana
/9PC
Mycena filopes
/9PC/11KQ
Mycena galericulata
/9PC
Mycena galopus
/9PC
Mycena metata
/9PC/10CPW
#Mycena olida
/9PC
Panaeolina foenicecii
/8Stock/9Stock
Paxillus involutus
/9Barleythorpe/10Man
Pluteus cervinus
/5Stock
Psathyrella candolleana
/4CPW/8Bden/9PC
Psathyrella corrugis
/9PC
Psathyrella obtusata
/11BarnsW
Psathyrella spadiceogrisea
/4KQ
Resupinatus applicatus
/10BarnsLW
Russula atropurpurea
/10Stock
Russula betularum
/9Stock/10Stock
Russula nigricans
/9RWLr
Russula ochroleuca
/9RWLr
#Russula pseudointegra
/10BCF
Tephroclype anthracophila
/10KQ
Tephroclype rancida
/9PC
Tubaria conspersa
/4KQ
Tubaria dispersa
/4KQ
Tubaria furfuracea
/4CPW/8Bden
Volvariella glocephala
/10Upp

BOLETACAE

Boletus chrysenteron
/9RWLr
Boletus luridus
/6Vge16/9RWLr

Boletus rubellus
/8Bden
Suillus grevillei
/9BOQ,PC

Suillus luteus
/9RWLr/10RWSykesL

GASTEROMYCETES Puff Balls, Stinkhorns

Cyathus olla
/1Ayst/9Ayst/12Ayst
Lycoperdon perlatum
/8CPW

Lycoperdon pyriforme
/9PC/11BarnsLW
Phallus impudicus
/6Ggorse/9RWLr,Ggorse

Scleroderma areolatum
/9PC
Vascellum pratense
/8Stock/9EBR

TELIOMYCETES Rusts, Smuts

Coleosporium tussilaginis
/8BOQ/9KQ/10CPW
Entyloma ficariae
/4Vge7,PC/5HambW,BOQ,BW
Entyloma microsporum
/10PC,KQ
Kuhneola uredinis
/5HambW,BW/9HambW
Melampsora capraearum
/9PC/10CPW
Melampsora populnea
/4PC/5HambW,BOQ,WhdC,BW
Melampsorium betulinum
/10CPW,KQ
Microbotryum lichnidis-dioicae
/5Vge7/6KQ,PC
Phragmidium bulbosum
/9RWLr,DF,EBR,PC
#Phragmidium fragariae
/4CPW
Phragmidium mucronatum
/6PC
Phragmidium violaceum
/9RWLr,HambW/10CPW/11RWLr
Puccinia arenariae
/9RWLr,HambW,PC/10BarnsLW/
11RWLr

#Puccinia chrysosplenii
/4PC
Puccinia circaeae
/9PC
Puccinia cnici-oleracei
/10PC/11KQ
Puccinia conii
/9EBR
Puccinia glechomatis
/9KQ,HambW,EBR,PC/
10CPW,BarnsLW
Puccinia hieracei
/11RWLr
Puccinia lapsanae
/7Vge7
Puccinia malvacearum
/4Vge7/5Vge7/7Vge7
#Puccinia phragmitis
/6CPW
Puccinia poarum
/6KQ
Puccinia punctata
/10PC
Puccinia punctiformis
/5BOQ,WhdC,Vge7/6KQ
Puccinia sessilis

/4KQ,Vge7,PC/5HambW,BOQ,WhdC
Puccinia urticata
/4KQ
Puccinia violae
/4KQ/5BOQ/7BOQ/11KQ
Pucciniastrum circaeae
/9PC
Tranzschelia discolor
/11RWLr
Triphragmium ulmariae
/5BW/6PC,CPW/9PC
Uromyces dactylidis
/4Vge7
Uromyces ficariae
/4PC
Uromyces geranii
/10HM
Uromyces muscari
/5HambW,BW
#Uromyces rumicis
/9HambW
Uromyces viciae-fabae
/10CPW

DEUTEROMYCOTINA, ZYGOMYCOTINA, MASTIGOMYCOTINA**Downy Mildews, Aquatic Hyphomycetes**

Albugo tragopogonis
/5Vge7
Ampelomyces quisqualis
/7PC

#Dendryphion nanum
/4KQ
Peronospora sordida
/10PCW

Plasmopara pigmaea
/4PC
Ramularia rubella
/4KQ
#Stemphylium sarciniforme
/10CPW

SLIME MOULDS

Reticularia lycoperdon
/5BOQ/9HambW

Stemonitis fusca
/6Bden

Unidentified
/9RWLr

LICHEN

#Badhamia utricularis
/2KQ
#Chaenotheca ferruginea
/3BarnsW
Evernia prunastri
/4Ggorse
Graphis scripta
/3BW
Parmelia sp
/4Ggorse

Physcia adscendens
/1RWeg
Physcia tenella
/4Ggorse
Ramalina farinacea
/4Ggorse
Xanthoria parietina
/4Ggorse

ALGA

#Trentepohlia calamicola
/3BarnsW
Vaucheria sp
/1HambW/10CPW

RNHS INDOOR AND FIELD MEETINGS 2010

INDOOR MEETINGS

Tuesday January 5 **CANCELLED DUE TO BAD WEATHER.**

Tuesday February 2 **MUSTELIDS**

Val Williams of the Leicestershire Badger Group gave us a detailed picture of the origins of the Mustelid group of animals, which have a fascinating

evolutionary 'family tree'. She was also able to tell us a great deal about the life and behaviour of members of that group, in particular the badger.

Tuesday March 2 **AGM FOLLOWED BY A PRESENTATION OF PHIL RUDKIN'S SOUND RECORDINGS**

The Society AGM proceeded smoothly under the guidance of its President Sir Clifford Boulton. The committee was re-elected in full with the formal appointment of Martin Grimes who had been co-opted during the year as Treasurer to replace Derek Lee who, along with his wife Frances, had left the area. The society is extremely grateful to Derek and Frances for all their hard work over the years.

After the AGM, the speaker was member and former chairman Phil Rudkin, who gave a presentation of his winning sound recordings. He selected some winners from his first entry into sound competitions in 1977, onwards. These were from the 'Sounds from Nature' sections. Phil had also entered many Documentaries and Reportage programmes, which had involved some of the RNHS field meetings. However these were too long, so he only played the nature-recording winners.

The first one, from 1977, finished fourth, and was of a Sedge Warbler in full song, on the edge of Barnsdale Woods, at the newly created Rutland Water. Phil also had a special award for his first ever Documentary, on 'British Woodpeckers', in the same competition.

The 1998 British Amateur Tape Recording Competition proved very rewarding, with an entry

'Grey Seals and their Pups'. This was recorded on the Lincolnshire coast, at Donna Nook. Phil had left Stamford in the early hours of 23rd November 1997, and travelled in thick fog via Boston, Mablethorpe and North Somercotes to the Donna Nook sand dunes. With permission from the Lincs Wildlife Trust wardens, he walked amongst these large wild mammals, and recorded a group of females with their pups. This won the 'Sounds from Nature' section, and also the International section.

Other placed winners included: the stirring sounds of an April Rookery in a spinney near the village of Wing, in Rutland, 2002; a colony of Natterjack Toads, in their breeding pools amongst the sand dunes in the Norfolk Broads, 2003; a singing Reed Warbler, also in the Norfolk Broads, 2004; a Lesser Whitethroat, singing from a large hedge, near Great Casterton, 2007; and mating Common Frogs, in the recordist's back garden pond in Stamford, 2008.

Finally, in the 2009 competition, Phil won the 'Sounds from Nature' section for a recording of a Dawn Chorus in western France farming country, in April 2009, which also resulted in another International winner (eleven years after the first International winner).

Phil Rudkin

Tuesday March 30 **CROFT QUARRY**

It was a dismal rainy evening but this did not deter 62 members of Rutland Natural History Society attending the final indoor meeting of the winter.

The speaker, Carl Baggot, gave a talk on the wildlife of Croft Hill in Leicestershire. He had originally been asked to give a talk on his sightings on the Hill by local people in Leicestershire, and more requests followed. This has resulted in a very accomplished presentation of the various species that inhabit this location, and those that pass through the area.

The early history of the Hill and the adjoining Quarry was described, and old photographs depicted the workers and their machinery. Birds that were plentiful on the Hill many years ago, such as Tree Pipit and Yellow Wagtail, made the mouth water when it was known that the latter were in flocks then; how times have changed, with these birds now very uncommon.

Butterflies were well represented on Croft Hill, including Wall Brown, Purple Hairstreak, White

Letter Hairstreak, Comma, and a stunning image of an Orange Tip feeding on Lady's Smock. The endangered Water Vole featured, and although none had been seen recently, there were encouraging signs of droppings and tracks. Hopefully the Water Vole is holding on in this habitat. Grass Snakes, Frogs

and Toads, and many species of Dragonflies and Damselflies completed a very impressive list that Carl Baggot and his colleague had built up over the years.

Phil Rudkin

Tuesday October 5 SPITSBERGEN AND NORWEGIAN COASTAL VOYAGE

Trevor Gunton, late of the RSPB, gave an illustrated talk on several voyages he and his wife Veronica had made along the long Norwegian coast from Bergen to Tromsø and the North Cape, and into the spectacular fjords where huge cruise ships dominated the small towns. They also travelled on the Hurtigruten service of coastal steamers which call at 32 ports delivering mail and supplies. He spoke of his interest in History: of the early settlers who left cup-and-ring marks similar to those found in Britain and of the Vikings who did not really wear horned helmets and who, when converted to Christianity turned their shipbuilding skills to the construction of the famous stave churches. They found that there were fewer passerines than one might expect though Pied Flycatchers were common in the villages and Redwings and Fieldfares could be found nesting. The Sea Eagles in Scotland had been taken from here and he had just returned from Mull where 10 young had been raised that year. A less successful introduction had been a failed attempt to introduce King Penguins into Norway in the 1930s. If the birds were a bit scarce there was the compensation of bright flowers and soft fruits and the rock gardens on the edge of Tromsø which are well north of the Arctic Circle.

In the second part of this lecture he took us to the Svalbard Archipelago and to the largest island Spitzbergen, where they had sailed on a small Russian icebreaker up the coast to within 600 miles of the North Pole. In the capital Longyearbyen Snow Buntings replaced House Sparrows and clouds of Little Auks flew over the steep valley sides. Coal is still mined in the area by Russians as well as

Norwegians but elsewhere most of the settlements are now the research stations of several nationalities.

Whilst terrestrial bird life was limited (Ptarmigans being the only species which winters there) there were enormous numbers of auks with tens of thousands of Brünnichs Guillemots on cliff ledges, where Arctic Foxes patrolled below looking for casualties, and Little Auks, perhaps the second most common bird in the World, nested in boulders on steep slopes. Amongst the other species were the Black Guillemots and Puffins (their names 'Tystie' and 'Puffin' come from the Old Norse) as well as Glaucous and Ivory Gulls and Kittiwakes, and four species of skuas and three of divers. Whilst there were some sightings of whales and seals, the highlights were the spotting of Polar Bears some of which came right up to the ship; but these could pose a threat when groups went ashore in the zodiacs, so each trip was accompanied by crew members with rifles.

But all is not well in this wonderland: he lamented the fact that whales are still being killed by Norwegians and Icelanders amongst others (Icelandic whalers were thought to have killed 99 in 2010), the warming of the oceans has means shortages of Sand Eels (the major source of food, especially for auks) and Polar Bears are threatened by the melting of the sea ice on which they need to walk to hunt for seals through holes in the ice.

Finally he strongly recommended the sort of cruise which they had taken, in a small ship with the opportunity for plenty of trips ashore in the zodiacs, and organised by companies which specialise in wildlife journeys.

Tuesday 2 November FRESHWATER LIFE

Steve Woodward of the Loughborough Natural History Society opened our eyes to the unexpected beauty and complexity of underwater life in our streams, rivers and lakes. We were amazed by many of the facts we learned - who knew there were

freshwater sponges! Not only was he an entertaining and informed speaker, but his photographs were second-to-none in illustrating the variety of organisms to be found.

Tuesday 7 December TEN YEARS OF OLD SULEHAY AND RING HAW

The atrocious weather conditions on the evening did not deter 31 RNHS members attending the last meeting of 2010.

The speaker was Henry Stanier, the Ecology Groups Officer for the Beds, Cambs, Northants and Peterborough Wildlife Trusts. He joined the society as a 17-year-old and was a regular at all the meetings. After three years at Leeds University, gaining a degree in Zoology, he carried on his study of wildlife. This eventually led to him becoming the Ecology Groups Officer for the BCNP Wildlife Trust, a job that he has expanded into a very important part of the Trust's work. He returned to the Rutland Natural History Society, and was a former programme secretary.

Using a PowerPoint presentation, he gave a comprehensive overview of the last 10 years of the work and field studies at the reserves at Ring Haw and Old Sulehay. The ecology groups currently have 300 field workers, and are involved in various studies and surveys, including: Invertebrates, Botany, Fungi and Vertebrates. Training courses are run, many of which are held at the Old Sulehay Field Study Centre.

Over the years the BCNP Wildlife Trust has gradually acquired land that has been linked up to Old Sulehay and Ring Haw, including Stonepit Close and Wansford Pasture. The latest area to be

purchased was Stibbington Nature Reserve in 2007. The reserves complex is growing with all these purchases, and a Living Landscape is forming in this area of Northants.

A series of PowerPoint slides showed project groups working in the grasslands, and woods and copses, in all seasons, and some of the many species found, and some new ones discovered on the reserves. Henry was delighted that university students were also getting involved in the projects. There were evocative slides of the seasons, taken down the woodland rides to Old Sulehay; particularly stunning were the winter snow scenes, with snow covering the branches of Silver Birch trees.

Finally, he showed a montage of some exciting new, and also some odd, species found on the various reserves under Wildlife Trust management. The reserve wardens supplied the information. The searching question 'What will turn up or colonise the reserves in the future?' gave members food for thought.

Question time was very lively, and included discussions on future restoration projects, dragonflies at Old Sulehay, and the management of early successional habitats, bat roosts, radio tracking and much more.

Phil Rudkin

OUTDOOR MEETINGS

Friday January 1 HAMBLETON PENINSULA

Walk off those end-of-year blues! A trick meeting! By some quirk of fate, there turned out to be three possible meeting places for this New Year's walk on the Hambleton Peninsula and thus there were three separate but very small groups attempting it! It was

brisk and bracing and the sun came out for a while as well! We saw some sheltering wildfowl and we too sheltered in Hambleton Woods to find some other birds. A very jolly start to the year!

Sunday February 7 DEEPING LAKES

A good turnout of members gathered at this Lincolnshire Wildlife Trust Reserve on a grey and overcast morning with the intention of identifying the winter wildfowl.

The reserve consists of a number of flooded gravel pits. The main lake (formerly known as 'The Lake') was excavated in the late 1800s and has largely developed naturally since then. The two areas of smaller lakes and pools (formerly known as Welland Bank Quarry) were excavated in the 1990s. Being of relatively recent origin they contrast markedly with the older lake.

On the newer pools at the side of the car park was a good gathering of duck enabling the party to quickly develop a list typical of the time of year – Wigeon, Tufted, Pochard, Shoveler and Goldeneye along with Mallard and Teal.

The Lake is already noted for its wildfowl and waterbird communities. Recent management of this area has been aimed at: opening up the rather neglected path along the southern shore, pollarding trees by existing reedbeds to encourage new growth and, clearing trees from an area where orchids were known to grow. A bird hide has been installed overlooking the lake.

On the short walk to the hide a small party of woodland birds was encountered, including 3/4 Treecreepers whose undersides stood out well as they climbed up the dark tree trunks.

From the hide similar species could be seen on the water but a solitary Pintail was spotted some distance away before it drifted quietly out of view.

Management of the newer lakes has been concentrated on establishing the grassland areas, aftercare of the trees planted as part of the restoration process, and the removal of self sown trees around the edges of the various lakes. By keeping the margins tree free it is hoped that marginal vegetation and reedbeds will naturally develop, and there are some encouraging signs of this. Some islands are also being kept 'tree free' or even totally free of vegetation to encourage ground nesting birds such as terns, plovers and lapwings.

The walk continued along the circular path to bring the party back along the embankment to the car park; this elevated part of the walk gave a good



Photo by Phil Rudkin

overview of some of the more recent developments around the reserve, and the call of a Green Woodpecker could be heard regularly as it searched for food on the grassland areas.

In total almost 40 bird species were identified, an excellent total on a gentle meander around a popular reserve.

Sunday March 21 BURLEY WOOD

Memories of a long, cold winter were banished by a bright, sunny morning and a light south-westerly breeze as twenty-two members of the Rutland Natural History Society met at Burley Wood, by kind permission of Mr J. Hanbury.

Led by Terry Mitcham, the group was entertained by a range of woodland birds. Great Tits and Blue Tits were widespread – singing and chasing through the woodland canopy – and Coal Tits were noted in the coniferous areas, along with Goldcrests. Marsh Tits were seen in two deciduous compartments and the cheerful calls and songs of Nuthatches were a feature of the visit. Woodpeckers were not very active, with only the yaffle of the Green Woodpecker at all noticeable. Two Muntjac and half a dozen Fallow Deer were seen and Grey Squirrels were flinging themselves fearlessly around the trees.

Up to four Buzzards, a Red Kite and a pair of Sparrowhawks displayed over the wood for much of the morning and a real highlight was the sighting of a newly-returned Osprey high overhead towards the end of the walk. By a pond in the lower part of the wood Scarlet Elf Cup fungi were found – hard to spot at first but brilliantly coloured and very delicate.

Signs of spring had to be looked for but the group did see a Long-tailed Tit's nest, beautifully crafted in a Blackthorn and covered with lichens. Yellow Coltsfoot was in flower on a sheltered ride and several bumble bees were on the wing. Two singing Chiffchaffs were a fitting conclusion to this springtime walk in one of our finest woodlands.

Terry Mitcham

Sunday April 18 LAUNDE PARK WOOD

A joint walk with the Leicester and Rutland Wildlife Trust led by Trust Conservation Officer and RNHS Committee member Dr Andy Lear. This LRWT Nature Reserve has benefited greatly from a recent

programme of timber clearance, and we could see at first hand the conservation techniques used and the consequent welcome recovery of the ground flora.

Saturday May 8 CROFT QUARRY

Following his presentation to the Society at the end of March, Carl Baggot escorted a party around the quarry in rather damp conditions.

The group made straight for the path overlooking the quarry itself to try to locate the Peregrine Falcons

which can be found here. This initial part of the walk led past the area where Purple and White Letter Hairstreak are a possibility in a few weeks time.

As we walked on a very vocal Lesser Whitethroat announced its presence but as usual for this

bird never gave more than a shadowy view as it remained in the hedge.

Looking over the quarry a female Sparrowhawk was circling around below and with Carl's knowledge the female Peregrine was located sitting on a rocky outcrop, but definitely keeping out of the damp.

Although Carl had shown slides of the quarry at his presentation they did not do justice to the size of the operation. It is thought that Romans quarried stone at this same site to build a local fort. There are several boards around the quarry giving detailed information about the history.

Despite the dampness of the day several birds were in good voice including Common Whitethroat, Willow Warbler and Chiffchaff, Blackcap and Great Tit.

Whilst it was not a day for getting down on hands and knees to examine the flowers in great detail, the group identified many plants including Parsley Piert, Pignut and Glaucous Sedge.

This is an excellent location with a wide variety of habitat from the quarry to old hedgerow, wetland to grassland combined with a wooded area, undoubtedly worth a further visit hopefully in more favourable weather conditions.

Tuesday June 8 LONG DROVE ON THE LOW WASH

Long Drove is north of Whittlesey, near Dog-in-a-Doublet bridge. Charlie Kitchen, warden at RSPB Nene Washes reserve, took us on a short walk at Long Drove and told us about the wildfowl and wader numbers there, the management strategy of the reserve and the RSPB's successful corncrake re-introduction programme. The evening could not have been better! A thunderstorm had just cleared

away, leaving a wonderful summer evening sky. We were greeted by sight of quartering barn owl as we arrived and corncrakes could be heard as soon as we climbed out of our cars. The air was perfectly still, the light extraordinarily beautiful, and we were entranced by the calls and behaviour of the plentiful corncrake, black-tailed godwit and snipe breeding there. (See photo page 2.)

Sunday July 11 STONESBY QUARRY

RNHS members gathered at Stonesby Quarry, a Leicestershire and Rutland Wildlife Trust reserve to the east of Waltham-on-the-Wolds, to be escorted round by Jenny Harris of LRWT/RNHS.

The reserve covers some 4 hectares and is a Site of Special Scientific Interest, being part of a worked out quarry on soft Jurassic lower Lincolnshire limestone. The flora was noted as of interest in 1933 in the Flora of Leicestershire and Rutland and is now an important area of limestone grassland in Leicestershire and Rutland.

There are some anomalies within the quarry as during the war topsoil was imported to assist in the growing of crops and various 'exotic' species still exist.

As with many of these areas the quarry was left unmanaged for many years, allowing scrub and tall plants to predominate, although some limestone grassland plants managed to survive. The trust has

gradually managed the reserve to remove scrub and this is now controlled on an annual rotation basis with some additional removal of topsoil to re-expose the limestone bedrock.

Although the weather was hot and had been dry for a good spell the flora on this reserve appeared to be thriving and the group identified many plants including Restharrow, Woolly Thistle, Ladies Bedstraw, Wild Basil, Bladder Campion, Perforate St John's-wort and, pleasingly, Clustered Bellflower and Small Scabious. Pyramidal Orchids were also flowering in good numbers.

Butterflies although numerous were low in species mostly comprising of Meadow Brown, Common Blue, Ringlet and Small Skippers.

Jenny was thanked for sharing her knowledge of this reserve and it will be interesting to revisit after a period of rainfall to see how this impacts on this relatively dry area.

Saturday August 14 LYNDON RESERVE

The weather for the morning started with a cold northeast wind, and showers, but by 11.0 am the rain had ceased temporarily. Heavy clouds obscured the sun. Despite the poor conditions, nine intrepid RNHS members assembled at the Interpretative Centre, on the Lyndon Reserve. Led by the RNHS Orthoptera Recorder, Phil Rudkin, the field meeting

set off on the look out for, and to listen to, crickets and grasshoppers.

The group headed along the trail, to the west of the centre, and in the grasses at the edges of the cut hay fields the aim was to find and capture Lesser Marsh and Meadow Grasshoppers. These creatures were

not stridulating because of the dull weather. The hoppers were inspected, and the salient points for identification discussed. When a sudden shower started everyone took shelter under Ash trees. However, as soon as the clouds lifted slightly, the sun warmed everywhere up. Crickets are hardy animals, and stridulating was heard from the thick grasses. These were identified by sound, picked up with the use of small bat detectors (used regularly for orthoptera fieldwork). The singers were Roesel's Bush Cricket (an attractive dark cricket, with a yellow stripe around the pronotum, and yellow patches along both sides of the body), and a very green cricket, the Long-winged Conehead. Butterflies appeared at the same time, and those observed were Common Blue males and females, Small Copper, Ringlet, Meadow Brown, and Gatekeeper.

The group passed Deep Water Hide, and then stopped outside Tufted Duck Hide. Outside the hide is an area of long grasses and scrub, which proved rich in the same cricket species and butterflies. However, a new butterfly for the list was a Brown Argus. Silver Y moths were active also. One member captured a male Roesel's Bush Cricket, and this was admired before release. Meadow Grasshoppers were abundant in the grass edges. Gatekeepers were feeding on the brambles, and Blackcaps were feeding on the various berries in the tall hedgerows.

Carrying on along the trail, and just as the group arrived near Wader Scrape Hide, a very heavy

cloudburst made everyone head for the hide. For the next 30 minutes, the group enjoyed observing the activities of the Ospreys, and watching a Water Rail fledgling feeding in the reeds.

At 2.30 pm the journey back towards the centre was along the farm field track. And as the sun warmed up for a brief period, the two species of cricket and Lesser Marsh Grasshoppers were heard, in the grasses at the side of the cut hay fields. Blackcaps were again in the hedges, and a Willow Warbler gave a brief reminder of spring, with some wonderful song phrases. A Speckled Wood butterfly entered the notebooks.

Back at the centre, the species list was discussed, and all agreed how interesting it was to note that when the sun went behind the clouds, the coolness stopped the stridulating, and the butterflies disappeared. The reverse happened as soon as the warmth and sun returned. It was very noticeable that only one Speckled Bush Cricket was located. This reserve at Lyndon has a big, thriving colony, so it seems that this flightless cricket obviously needs warmer conditions to encourage their activity. Despite the generally poor weather, it was agreed that this was a successful exercise, and enjoyable event.

There were 4 bat detectors in use during this meeting. Magenta Bat 5, Bat Box 111D, and, two Stag Electronic Bat Box 111.

Philip Rudkin

Sunday August 29 WICKEN FEN: DRAGONFLY PROJECT SAFARI

Fifteen RNHS members paid a visit to the Dragonfly Project based at the National Trust Wicken Fen and were met by an old friend of the Society, Henry Curry. Wicken Fen was the very first Nature Reserve owned by the National Trust and has been in its care for over 100 years. It is an important cog in the partnership of the British Dragonfly Society, the Dragonfly Project and the National Trust and is centred on the recently refurbished Dragonfly Centre Building at Wicken.

The reserve is home to 21 breeding species of dragonfly and although at the time of their visit the weather conditions were not ideal Migrant and Southern Hawkers along with Common and Ruddy Darters were observed in some numbers.

After a dragonfly safari led by Henry Curry there was a chance to observe various larva via an electronic microscope and to examine the outer skin remnants (exuviae) of emerging dragonflies.

To find out more about dragonflies visit www.dragonflyproject.org.uk.

Saturday September 18 DAWN'S Paddock

On a Saturday afternoon at 4.0 pm, with weather conditions overcast, calm mild and dry, sixteen RNHS members assembled at Dawn's Paddock, a private nature reserve, near Braunston. This 7-acre reserve has a linear piece of ancient woodland bordering the western edge of the paddocks. There is also a natural spring in the second paddock, a stream running through the reserve, and a pond. The paths had recently been cut, but the meadow was uncut. Dawn Whitefield, our RNHS programme

secretary, welcomed members to the meeting and led the group first to the pond, where one small frog was found in the surrounding grass, and a flock of Long-tailed Tits roamed through the trees.

At the brow of the hill in the first paddock, two Marsh Tits, a Chaffinch, Blue and Great Tits fed on the feeders, giving some good close-up views. A Tree Creeper worked an old tree trunk and Goldcrests and Robins were heard.

The RNHS Gall recorder, Roy Lemmon, wandered off into the rough vegetation, and found many large galls on Creeping Thistle plants, with the fascinating scientific name of *Urophora cardui*. Galls were noted on Germander Speedwell. On the acorn cups of the Oak trees, the strange looking Knopper Galls were prominent, some galls even growing out of the acorn.

Despite the overcast clouds, the sounds of Roesel's Bush Crickets were located in various areas of the meadow; a female was caught, and admired by everyone. In the meadow of the second paddock, investigations revealed many Bloody-nosed Beetles feeding on plants. One was caught and passed

around to members and then released. This common beetle was true to its name, as it released drops of 'blood' as it was handled, this being its defence against predation.

A few Swallows flew over the reserve. There were still a selection of wild flowers lingering on in the tall grasses of the meadow, which included Bristly Ox-Tongue, Meadow Vetchling, Lady's Bedstraw, Yarrow and Hogweed.

Finally Dawn provided the group with tea, coffee and biscuits and this was much appreciated, with everyone enjoying a convivial last half hour as they gazed at the beautiful views over the valley.

Phil Rudkin

Sunday 17 October

HOLME-NEXT-THE-SEA

On a pleasantly mild morning a small RNHS party were introduced by the warden to this Norfolk Wildlife Trust Reserve (NWT) on the North Norfolk Coast. This beautiful and varied site is situated where The Wash meets the North Sea and was acquired by the NWT in 1965. Today it is a National Nature Reserve forming part of the Norfolk Coast Area of Outstanding Natural Beauty.

The reserve covers over 280 hectares consisting of extensive sand and mud flats behind which sand dunes encompass sea buckthorn and Corsican pine woodlands protecting areas of saltmarsh, freshwater grazing marsh and reedbeds.

The society had timed its visit to coincide with bird migration and the influx of winter visitors and the group were not disappointed as a stroll through the pines over to the beach produced some typical winter thrushes in the form of Redwings whilst the resident Robin and Blackbird population had been increased dramatically by the arrival of birds from the continent.

Once on the beach an extensive list of waders was compiled, from the year-round Redshank to the mechanical clockwork antics of the winter-visiting Sanderling. From here a stroll along the top of the sand dunes gave the opportunity for more sea watching and also a view onto the grazing marshes across the sea buckthorn. This gave the chance to identify the Pink-footed Goose, another winter visitor which had joined the resident Greylag Geese

on the marsh. At sea Brent Geese were flying back and forth along with both Common and Velvet Scoter.

Just as food was beginning to figure in our thoughts, and the need to return to the cars, a small party of Snow Bunting was spotted flitting about on the beach and was an excellent way to end the morning session.

After lunch we made use of the hides overlooking the reedbeds and pools and were pleased to find a considerable number of Curlew probing in the soft fields looking for food, Wigeon whistling and a couple of Marsh Harriers patrolling back and forth disturbing the other birds on a regular basis. We were also fortunate to spot two Bearded Tits in the reeds, although as usual with this species it was only a fleeting glimpse, and on the way back to the Visitors' Centre a female Brambling led the way along the grass track, enabling some photographs to be taken at relatively close quarters.

With nearly 60 species on the bird list, it had been an excellent trip, and the RNHS Orthoptera recorder had also got in on the act by recording Short-Winged Coneheads all along the path to the hides and Mottled Grasshopper sunning on the hides themselves. The day also ended in some excitement with the arrival of probably a hundred 'twitchers' on the lookout for a reported Red Flanked Bluetail, but that is a story for another day.

Sunday 14 November

OAKHAM CANAL

The last outdoor event of the year was an RNHS led meeting to the Oakham Canal. This was a gentle stroll along the canal, allowing sightings of resident water birds and also some characteristic plant species.

ITEMS FOR LOAN TO RNHS MEMBERS

Thanks to 'Awards to All' lottery funding, the Society is now in possession of £3,020 worth of equipment and books. A projector and allied items are used for indoor meetings. The following are for members to borrow, to help make naturalising more enjoyable and spotting even better! They are held by the Recorders named – please contact the Recorder who holds what you would like, and make arrangements (their contact details are on page 2). There is no charge for borrowing anything; availability and length of borrowing at the Recorder's discretion. There are more than one of some items, given by a number in brackets; and in some cases, e.g. hand lenses, they are held by several Recorders – these lenses should also make Outdoor Meetings particularly interesting!

With Dr Charles Gallimore

Collins Field Guide to reptiles and amphibians of Britain and Europe.

With Terry Mitcham

Concise Edition Volumes 1 and 2 The birds of the Western Palaearctic.

Terry Mitcham, *Rutland Breeding Bird Atlas* (2).

With Gill Chiverton

Jim Porter, *The Colour Identification Guide to Caterpillars of the British Isles.*

Bernard Skinner, *The Colour identification Guide to Moths of the British Isles.*

Barry Goater, *British Pyralid Moths: a guide to their identification.*

Michael Chinery, *Collins Field Guide to Insects of Britain and Northern Europe.*

Michael J. Roberts, *Collins Field Guide to Spiders of Britain and Northern Europe.*

Trevor G. Forsythe, *Naturalists' Handbook 8: Common ground beetles.*

Margaret Redfern and R. R. Askew, *Naturalists' Handbook 17: Plant galls.*

Steve Grover and Helen Ikin, *Leicestershire Dragonflies.*

Steve Brooks, *Field Guide to the Dragonflies and Damselflies of Great Britain and Ireland.*

Large hand lens; hand lens x8 + x15; hand lens x10.

MX stereo microscope in case with slides.

With Graham Worrall

Stace, *New Flora of the British Isles*. 2nd edition.

Stace, *Field flora of the British Isles* (5).

Collins (1996) *Pocket Guide to Wild flowers of Britain and Northern Europe* (6).

Collins Pocket Guide to Grasses, sedges, Rushes and Ferns of Britain and Northern Europe.

The New Atlas of the British and Irish Flora (with CD), acquired 2002.

Large hand lens; hand lens x8 + x15; hand lens x10.

With Linda Biddle

Spring balance 50 g, spring balance 100 g.

MX stereo microscope in case with dissecting kit and slides (2).

Live Trapping Small Animals, a practical guide.

Collins Field Guide to Mammals of Britain and Europe.

Harris, Morris, Wray and Yalden, *A review of British Mammals*, JNCC.

Yalden, *The History of British Mammals.*

With Jenny Harris

Bat box 111 (2)

Bat identification tape

The Bat Detective (Field guide book and CD).

With Linda Worrall

Michael Jordan, *The encyclopaedia of fungi of Britain and Europe.*

Breitenhach and Kranzlin, *Fungi of Switzerland: Volume 1 Ascomycetes; Volume 2 Non-gilled fungi; Volume 3 Boletes and Agarics, 1st part; Volume 4 Agarics, 2nd part.*

Roger Phillips, *Mushrooms and other fungi of Great Britain and Europe* (2).

Paul Nichol, *Initial guide to the identification of mushrooms and toadstools*, WEA (6).

Paul Nichol, *Aid to the identification of mushrooms and toadstools (Agaricus, Russula, etc.)* WEA.

John Tyler, *Glow-worms* (2).

Large hand lens; hand lens x8 + x15; hand lens x10.

With Dr Clive Jones

Regionally important geological sites (RIGS) handbook.

With Henry Stanier

Large hand lens; hand lens x8 + x15; hand lens x10.

SITE ABBREVIATIONS*For ornithology, botany, entomology and mycology reports.*

Add W	Addah Wood	LCast	Little Casterton
Arm W	Armley Wood	LFP	Leighfield Fish Ponds
Ash	Ashwell	LHGC	Luffenham Heath Golf Course
Ash/Whiss	Ashwell/Whissendine	Lydd	Lyddington
Ayst	Ayston	Lynd	Lyndon
		LyndWP	Lyndon Wood Pond
Barns	Barnsdale	Man	Manton
BarnsG	Barnsdale Gardens	MM	Merry's Meadow
BarnsLW	Barnsdale Lodge Wood	MO	Market Overton
BarnsW	Barnsdale Wood	Mor	Morcott
BCF	Beaumont Chase Farm		
Bden	Barrowden	NLuff	North Luffenham
Belm	Belmesthorpe	Norm	Normanton
Belt	Belton in Rutland		
BFP	Burley Fish Ponds	Oak	Oakham
Bis	Bisbrooke	OakC	Oakham Canal
BOQ	Bloody Oaks Quarry	PC	Priors Coppice
BOV	Bloody Oaks Verge	PGW	Pickworth Great Wood
BP	Big Pits	Pick	Pickworth
Bthpe	Barleythorpe	Pilt	Pilton
Braun	Braunston	Prest	Preston
Brk	Brooke		
Burl	Burley	QF	Quarry Farm
BW	Burley Wood		
		Rid	Ridlington
CL	Coppice Leys	RWGC	Rutland Water Garden Centre
ColdO	Cold Overton	RWNA	Rutland Water North Arm
Cottes	Cottesmore	RWSA	Rutland Water South Arm
Clips	Clipsham	RWeg	Rutland Water Egleton Reserve
CPW	Clipsham Park Wood	RWh	Rutland Water Lax Hill
CQ	Clipsham Quarry	RWLr	Rutland Water Lyndon Reserve
CrM	Cribbs Meadow	RWrb	Rutland Water reed beds
		RWwy	Rutland Water work yard
DP	Dawn's Paddock	Ryll	Ryhall
		SDW	Stoke Dry Wood
EBR	Eyebrook Reservoir	Seat	Seaton
Egl	Egleton	Sk	The Seek, Braunston
Emp	Empingham	SLuff	South Luffenham
Emp/Ext	Empingham to Exton	SM	Seaton Meadows
Emp/Tick	Empingham to Tickencote	StamQ	Stamford Quarry
ESs	Essendine	Stock	Stocken
EW	Edith Weston	Strett	Stretton
Ext	Exton	StretW	Stretton Wood
		TBr	Turtle Bridge
FH	Fort Henry	TbyW	Thorpe by Water
FHP	Fort Henry Ponds	Tgh	Teigh
FlitPk	Flitteris Park	Thist	Thistleton
		Tick	Tickencote
Geest	Geeston	Tin	Tinwell
Ggorse	Gibbet Gorse	Tix	Tixover
Glast	Glaston	Tole	Tolethorpe
Gorse	Gorsefield, Oakham	TunnW	Tunneley Wood
Greet	Greetham		
GtCast	Great Casterton	Upp	Uppingham
Gum	Gumley	Vge	Verge (see map page 29)
Gun	Gunthorpe		
		Ward	Wardley
Hamb	Hambleton	WCQS	Williamson Cliffe Quarry Site
HambW	Hambleton Wood	WFL	Wing Fishing Lakes
Hinsp	Hinman's Spinney	Wg	Wing
HM	Horn Mill	WhdC	Woodhead Castle
		Whiss	Whissendine
Ing	Ingthorpe	Whit	Whitwell
		WQ	Woolfox Quarry
Kett	Ketton	WW	Wardley Wood
Kett/Tix	Ketton to Tixover		
KQ	Ketton Quarry		
Lang	Langham		
Leigh	Leighfield CP		