

Brown Hairstreak hunting



Bookham, Aug 2014: Ted Forsyth, Jim ? (hidden), Lin Matthews, Richard Herbert, Nigel Jackman, Dougie Garlick, Mike Meatherall. **David Hasell**



Pewley Down, Sep 2014: Dick Alder, Paul Huckle, Matthew Lloyd, Nigel Jackman, Bruce McLaren. **Clive Huggins**

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SURREY *Skipper*

Spring/Summer 2015

20th
Anniversary
Edition:
page 8

46 field trips
for 2015:
4-page
pullout

Butterfly
Conservation



Surrey & SW London
branch magazine

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butterfly-conservation.org/surrey

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Surrey Skipper

Spring/Summer edition includes the new season's field trips.
Autumn/Winter edition previews the annual Members' Day.

	Copy deadline	Published
2015 Autumn	Sep 20	October
2016 Spring	Feb 21	March

■ Thanks to all who have contributed to this edition.
Articles and photos are always greatly appreciated.
Please contact editor Francis Kelly.

■ A PDF of this Skipper is available from surreybranch@gmail.com
Free for branch members & transect walkers; £2 others.



Dates

Apr-Sep Natural History Museum Outdoor Butterfly Exhibition	Sep 10 National Moth Night – to 12th
Apr 1 Transect season starts	Oct 3 Amateur Entomologists' Society Annual Exhibition & Trade Fair: Kempton 11.00-16.30
Apr 22 First Surrey field trip	Oct 31 Upper Thames Branch Members' Day: Earley (Surrey members welcome)
May Wider Countryside Butterfly Survey: May-Aug	Oct 31 Transect data to be online please
Jun 27/28 SWT BioBlitz, Chertsey Meads	Nov 14 BC National AGM & Members' Day
Jly 11 New Members' Day	Nov 21 Surrey AGM & Members' Day: Dorking, 10.30 (coffee) for 11.00
Jly 17 Big Butterfly Count – Aug 9 Launched by Sir David Attenborough	
Jly 26 Field Studies Council BioBlitz, Juniper Hall	

■ Front page photo: Small Copper, Alex Potts. See pages 13 & 29

Chairman

David Gardner

WELCOME to Surrey & SW London branch's 20th anniversary edition. Our branch was formed in 1995 when the London branch was split up, with Herts & Middlesex branch taking the north area. Kent had split off in 1984. Those early years are remembered by former Chairmen Ian Hardy and Steve Jeffcoate on pages 8-12.

A key new contributor is Bill Downey, who takes over as Transect Coordinator, with Francis Kelly continuing as his assistant. New transect walkers are always wanted. See Bill's article on page 16.

David Gradidge, having retired following stalwart service as both Treasurer and Membership Secretary, has now turned his attention to fundraising. See page 18.

The new five-year recording period is underway. County Recorder Harry Clarke is reviving the Champions concept for both species and 10km squares. See page 34.

Our biennial Butterfly Festival is no more. The Field Studies Council now runs its own BioBlitz event at Juniper Hall, and we will be represented there on July 26.

In line with Charity Commission policy to run down surplus charitable funds, your Committee has again decided to donate £1,700 to the Surrey Small Blue project. Also £1,000 is being held over to next year for a proposed Wood White project centred on the Chiddingfold Forest complex.

Congratulations to Dr Dan Hoare, South East England Senior Regional Officer, who has been promoted to Head of Regions. He succeeds Sam Ellis, who becomes Director of Conservation and Regions. Welcome to Steve Wheatley, our new SEE SRO, who was BC's Project Officer for Rother Woods (East Sussex).

Our first Members' Day Digital Photo Show was a great success, done with humour by Francis Kelly. It produced a worthy winner in Alex Potts's Small Copper, which graces our front cover. She has set a good standard for this year's Members' Day, which will be on Sat, Nov 21, starting a little later: 10.30 (coffee) for 11.00.

You will have plenty of opportunities for photography on the splendid programme of 46 field trips put together by Mike Weller. More than any other branch, we think.

Website sightings

Francis Kelly

OUR new website, butterfly-conservation.org/surrey, will feature regular updates of the season's most notable sightings/photos.

Please email them to surreybranch@gmail.com. Ken Owen will be assisting me.

Records published on the website will be forwarded to the County Recorder so there is no need to submit them twice. For general records, please use *iRecord* or email a spreadsheet to Harry Clarke. See page 36 and our website.



Notes from Oaken Wood

Malcolm Bridge

WORK at Oaken Wood, our branch reserve, is currently on hold. The Forest Industry Safety Accord (www.ukfisa.com) code of practice restricts the use of power tools by volunteers, even those with official training. We await further talks with the Forestry Commission (www.forestry.gov.uk) about renewing our licence.

You can view our **management plan** via the link in the “Our branch” module on the home page of our website.

■ Congratulations to Malcolm on his *Outstanding Volunteer* award, presented last November at Butterfly Conservation’s National Members’ Day in Warwickshire.

We reproduce our letter of recommendation (Geoff Eaton & Francis Kelly):

MALCOLM BRIDGE has stepped down after 13 years as Butterfly Recorder for Surrey, so the time is right for recognition of his services to the conservation of butterflies and moths.

Malcolm joined the Surrey & SW London branch of Butterfly Conservation in 1996, and was elected to the Committee in 1999. In the ensuing 15 years he has performed three major roles:

2001-13 County Butterfly Recorder:

Malcolm’s work as Recorder culminated in 2013’s *Butterflies of Surrey Revisited* (Surrey Wildlife Trust), of which he was co-author.

2003+ Manager of our reserve at Oaken Wood, Surrey’s main site for Wood White and key for the Betony Case-bearer moth (*Coleophora wockeella*)

2009-12 Editor of the Surrey Skipper, our branch magazine.

Malcolm’s other contributions include:

Conservation work: over many years at Hutchinson’s Bank (London Wildlife Trust), New Addington, particularly in support of the Small Blue.

Leading field trips: including the legendary “Great Train Journey West”, involving a 10km walk over the North Downs.

Formal presentations: at our annual New Members’ Day.

Much of Malcolm’s work for our Branch has involved interacting with others, often as the “face of BC”. His tremendous success in this role owes much to his personality, his enthusiasm for butterflies and moths, and the experience he gained from a career in teaching.



State of Surrey Butterflies in 2014

Harry Clarke

THE weather in 2012 was characterised by the wet summer and consequently the worst year on record for butterflies; 2013 was characterised by the cold spring. In contrast, spring in 2014 was warm. The warm weather continued for the rest of the year, with the exception of August, which was colder and wetter than average. The year was generally poor for migrants.

This report is based on all records received and validated. It is never too late to submit records from earlier years. All records are most welcome.

Papilionidae – Swallowtails

Continental Swallowtail: May 16, Raynes Park (Sue Webber);

Jun 10, Ottershaw (Helen French); Jul 30, Woldingham (Rob Budgen).

2014 saw apparently the largest UK influx since 1945. May sighting was possibly from a local population in Sussex rather than an immigration from the continent, which did not occur until July.

Hesperiidae – Skippers

Dingy Skipper: Apr 11-Jun 26; tiny 2nd brood Jul 22-Aug 5.

Gizzled Skipper: Apr 14-Jun 17, only small numbers.

Essex Skipper: Jun 12-Aug 7, most in July.

Small Skipper: May 15-Aug 20; large numbers in 1st-half of July in 7 monads.

Silver-spotted Skipper: Jul 16-Sep 15; good numbers Jul 24-Aug 24 in 6 monads.

Large Skipper: May 6- Sep 2; peak Jun-Jul.

Pieridae – Whites & Yellows

Wood White: Apr 17-May 19 & Jul 14-Aug 6;

good numbers in Tugley Wood: May 18, Jul 18 & 21.

Orange-tip: one of the species used in JNCC’s Spring Index. In 2013 Orange-tips did not appear until Apr 20, 3 weeks later than 2012. In 2014 they were first seen on Mar 23, over 4 weeks earlier than 2013, flying until Jun 22.

Reports of 2nd brood in Jul-Aug from four locations have not been confirmed.

Large White: early eclosions Mar 2 & 9; main flight period Mar 23-Oct 28.

Small White: Mar 9-Oct 26, generally in low numbers. Only May 18 & Jul 19-26, in 4 monads, were they recorded in any great numbers.

Green-veined White: Mar 23-Sep 28;

no clear separation in June between 1st & 2nd broods.

Clouded Yellow: May 18, Ham House riverside; a few in June;

main sightings Jul-Aug; last Nov 4.

Brimstone: 2013 last record, Dec 29. 2014: Feb 2-Nov 29; peak Mar-May.

Eggs were found in April and May; July best for larvae (presumably final instar before pupation).



Nymphalidae – Browns, Fritillaries & Aristocrats

Speckled Wood: unusually recorded Jan 10-11 near Chiddingfold.

Main emergence started Mar 16, with overlapping broods to Oct 26.

Large numbers in 2 monads, Jul 12-14 & Aug 22.

Small Heath: Apr 15-Oct 2, mostly Jun, Jul & Sep.

Small numbers throughout the season compared with previous years.

Ringlet: Jun 9-Aug 24; peak Jun 24-Aug 4.

Meadow Brown: May 9-Oct 16; peak late-Jun to Aug.

Gatekeeper: Jun 7 a very early first sighting; last Sep 22.

Marbled White: Jun 8-Aug 20, in good numbers.

Grayling: Jul 4-Sep 16. Vagrant, Aug 9 at White Downs.

Silver-washed Fritillary: May 29-Sep 8; high numbers in 5 monads.

Dark Green Fritillary: Jun 8-Aug 12.

White Admiral: Jun 12-Aug 13; 2nd brood Sep 13-14 & 22.

Large numbers at Bookham Common.

Purple Emperor: Jun 17-Aug 3. Ten at Tugley Wood, Jul 7.

Records were received from 19 monads.

Red Admiral: Jan 5-Dec 8; peak Jun-Sep.

Painted Lady: Apr 1-Dec 19 (disturbed from hibernation);

small numbers, mainly Jun-Aug.

Peacock: Feb 2-Nov 29. Hibernators in good numbers Apr/early May.

The 2014 brood emerged in July.

Small Tortoiseshell: Jan 10-Nov 16; good numbers Jun-Jul in 6 monads.

Comma: Feb 24-Oct 19. 1st brood emerged mid-May, 2nd brood in mid-June; most entered hibernation by end-Sep.

Glanville Fritillary: May 5-Jun 1 in 2 monads at Hutchinson's Bank.

No records from Wrecclesham, which puts into question whether it has been lost from that site after a very poor year in 2013.

Lycaenidae – Coppers, Hairstreaks & Blues

Small Copper: Apr 10-Oct 10, with overlapping broods.

Greatest numbers early-Aug in south-west.

Brown Hairstreak: Jul 15-Oct 11; seen in 33 monads throughout the county.

Sep 3, Horton CP: 4 fems & 1 male.

Purple Hairstreak: Jun 21-Sep 4, low numbers; 20 at Holmwood Common, Jul 12.

Green Hairstreak: Apr 13-Jun 25.

Good numbers at Canons Farm & Banstead Woods, 1st half May.

White-letter Hairstreak: Jun 16-Aug 11; 15 adults in 8 monads.

Larva photographed at Chapel Bank, May 7.

Small Blue: May 5-Jul 3; small 2nd brood Jul 18-Aug 30.

Large numbers at Howell Hill, Jun 17; good numbers at Pewley Down, Jun 1.

Holly Blue: Mar 12-early Jun; 2nd brood late Jun-Sep 28;

small 3rd brood Oct 26-31 in 4 monads.

Silver-studded Blue: Jun 5-Aug 28; reasonable numbers at Fairmile Common,

Ash Ranges and Chobham Common. Overall, seemed down on previous years.

Brown Argus: May 3-Sep 23, continuously brooded. Peak end-July to end-Aug.

Common Blue: Apr 30-Oct 3. 1st brood largely over by Jul 2;

2nd brood emerged in latter half of July, peaking around Aug 7-8.

Adonis Blue: May 14-Jun 11 & Jul 29-Sep 18.

2nd-brood numbers seemed lower than 2013, perhaps because of the cool August.

Chalkhill Blue: Jun 29-Sep 18;

large numbers at Pewley Down and Denbies Hillside, mid-July to early-Aug.

■ **ACKNOWLEDGMENTS:** thank you to everyone who submitted records during 2014. This report would not have been possible without the dedication and hard work of those who submitted their sightings to one of the recording schemes.

All records, no matter how few or how many, created the overall picture of the State of Surrey Butterflies in 2014.

■ **Records were received from:**

Butterflies for the New Millennium

iRecord Butterflies

UK Butterfly Monitoring Scheme

Big Butterfly Count

BTO Garden Bird Watch

Migrant Watch – Painted Lady

Wider Countryside Butterfly Survey

Recording strategy 2015-19: pages 34-36

Crammed full of up-to-date and comprehensive information, but with a historical perspective and very attractively presented, this book is both a good read and an essential reference for anyone with any interest in Surrey's wildlife. And at only £16 it is an absolute bargain.

Steve Chastell
Surrey Bird Club

Butterflies of Surrey Revisited

Ken Willmott
Malcolm Bridge, Harry E. Clarke, Francis Kelly
and members of Butterfly Conservation Surrey branch

£16 (+ p&p) from
www.surreywildlifegifts.org.uk

01483 795440

Surrey branch 20th anniversary

Stephen Jeffcoate

THIS year we celebrate 20 years of the Surrey (& SW London) branch, which was created from the parent London branch on January 1, 1995 with 354 members. We now have 1,000+ members and many will be unfamiliar with its history.

The London branch was created in 1980 by Ian Hardy, who remains a Surrey member even though he lives in Herts. The first newsletter, *The Writing on the Wall*, had an imaginative cover produced by Bryan Coney. Ian was its first editor followed by Elizabeth (and Harold) Hughes and finally Bill Gerrard. In the last (49th) issue in November 1994 I wrote a final chairman's piece: "The end of an era".

For many years the London branch played a key role in the national British Butterfly Conservation Society (BBCS as it was then known): Ian Hardy, Tony Hoare, Harold Hughes, David Hanson, David Dunbar and I were all active on the National Executive Committee (later renamed as the Council). Both Harold (1990) and I (1998) were elected in turn as National Chairman, and David Hanson has filled the role of National Treasurer for over 15 years.

The National AGM had always been held in London (at the Victory Services Club) but London Branch proposed and organised the first Members' Day incorporating the AGM at the Natural History Museum. We met there once more and then once at a school in Victoria. The latter was poorly attended as it was at the height of the IRA bombing campaign.

But above all, life in the branch was fun! Every winter a key social occasion – with challenging lepidopteral quiz – was hosted by Gay and Tony Hoare in Kingston. For some years they also arranged a working day for branch members to assemble and post the National magazine, bribed by lots of home-made cakes. That ended when numbers of the magazine rose above 3,000, each with a range of inserts.

A highlight instigated by Harold in 1988 was the biennial Juniper Hall Festival. One particularly memorable feature arranged by Harold (through his British Gas connection) was the hot air balloon, with guided up and down "rides".

Harold remembers: "We invited Kenneth Baker, then the local MP and also as it happened Secretary of State for Education. He and his wife came along and I managed to persuade him that he was expected to take a flight in the balloon and I clearly recall helping him into the basket! It was gusty that day and one of the tethering points for this balloon was Dennis Newland's van – to his consternation, and his expressed fear of it being drawn into the heavens."

Organising the Festival was always hard work and thanks are due to Dennis and latterly Phil Boys. Recently a change in policy at Juniper Hall has made it difficult to run our Festival there – a sad end to a great local event.

Equally important were the field trips, both local and long distance (e.g. Cumbria) to see non-Surrey species. Personally, I first met the stalwarts of the London branch in July 1988 at Porton Down, where I saw a Silver-spotted Skipper for the first time. The branch also organised winter work parties, when we got to know key Surrey sites (e.g. Chiddingfold, Denbies Hillside, Headley Warren) and their managers.



The "terrifying" caravan, Nov 1993. Tony Hoare

David Dunbar was the first Sales Officer; he had a keen eye for a bargain (still evident in his book trading business). This job was then handed over to Tony and Gay, who stored the stock in their home (up and down three flights of stairs). For a time the goods were transported in a caravan, lovingly painted by Bryan and the interior fitted out by handyman, Dennis Newland. It was very heavy and simply terrifying to tow and was eventually donated to the West Midlands branch for a static role.

Tony succeeded Harold as the third chairman and committee meetings were held in the board room in the bank in Fleet Street where Tony worked. On arrival we were escorted by a liveried gentleman to the meeting room and sat at a large mahogany table surrounded by ancient ledgers.

I succeeded Tony in 1994. It had by then become apparent that the London branch was no longer an appropriate designation as other branches had been formed in the South-East (Cambs & Essex, Kent, Sussex). London was left as an unwieldy area north and south of the Thames. The decision to split was taken in consultation with Hertfordshire colleagues (it helped that at the time Gail and I lived in St Albans). We were careful to obtain a proper democratic decision and contacted every member to canvas opinions: the "vote" was overwhelmingly in favour of the split. Happily, both daughter branches have flourished.

Surrey (& SW London) branch was launched in November 1994 in Dorking attended by 90 out of 354 prospective members. We had an inaugural New Year's Day field trip at Denbies Hillside to hunt for Brown Hairstreak eggs. About 20 of us toasted the new branch with Surrey Brut, the sparkling wine from Denbies vineyard. We located 27 eggs before the weather closed in and the hunt was snowed off.

On July 1, 1995 we celebrated our first six months when BC's national President (the late) Gordon Beningfield opened our reserve at Oaken Wood, created by a Forest Enterprise employee, the redoubtable Peter Beale. We manage the reserve under an agreement with FE.

Memorable for me on the opening day was my first sighting of the larvae of the Broad-bordered Bee Hawk-moth on a Honeysuckle that we have carefully protected

over the years. And I remember Tony being quite carried away by a male Purple Emperor on the ground. Oaken Wood has seen a lot of work by volunteers over the past 20 years and a transect has provided valuable data, particularly on the Wood White – a favourite species of mine as many will know.

In 1995 the Butterflies for the New Millennium (BNM) project was launched as a series of 5-year recording periods. Gail and I were on the National Steering Group (chaired by Jim Asher – now BC's National Chairman), which produced the Millennium Atlas in 2001. The following quinquennia (2000-4, 2005-9) were designated as BNM+5, BNM+10, each with an updated report published as the *State of British Butterflies*. BNM+15 for 2010-14 is in preparation.

Moths were gaining interest at this time. Paul Wheeler (current Moth Officer) organised events and published an impressive list from Chobham Common. Malcolm Bridge and Derek Coleman recorded regularly at Oaken Wood, where several notable species were found.

The branch produced annual reports from 1994 with Bill Gerrard and Gail Jeffcoate as authors (later joined by Mike Enfield). The 2004 Report edited by Malcolm Bridge was a landmark, with detailed reports on the 38 transects by coordinator Richard Donovan (and Gail on the chalk transects).

The branch provided support for Graham Collins's ground-breaking *Butterflies of Surrey*, published by Surrey Wildlife Trust in 1995. Butterfly records were made available from our database, branch members provided photos, and the branch also helped with funding for this and Graham's *Larger Moths of Surrey* (1997).

In 1997, the launch of BC's National Fritillary Project was held at Oaken Wood and a spring-butterfly film was later shown on TV's Newsround. In 1998 a garden masterminded by Tony Hoare with butterflies in mind won a Gold Medal at the Chelsea Flower Show. Branch members helped on the open days and it attracted many visitors.

How about the prospects for 2015? Looking through *The writing on the Wall* from 30 years ago it seems that the issues have not changed but in 2015 the challenges are increasingly enormous. Meanwhile, the progress in the Small Blue Project, the appointment of Steve Wheatley as the new SE Regional Officer following the promotion of Dan Hoare, and a good Wood White year in 2014 bode well for 2015. Surrey branch is flourishing. Membership is over 1,000 and rising – a tribute to BC's Big Butterfly Count. It is a major challenge for our branch to enthuse and retain these new members; targeted New Members' Days are an excellent approach to this. So, good luck to all.



Tony Hoare, July 1992



July 1992, Juniper Hall (L-R): Harold Hughes (rear), Gail & Steve Jeffcoate, Gill & David Hanson, Annabel Hoare, Ian Hardy, Dennis & Enid Newland, Tim Freed, Elizabeth Hughes, Bryan Ceney, Sandra Hardy, David Dunbar, Gay Hoare, Christine & Denis Shepperson (Herts). The photo, with much evidence of the face-painter, includes three of the four London branch Chairmen and was taken by the fourth, **Tony Hoare**.

Reminiscences of London's first Chairman Ian Hardy

LONDON branch was launched in 1980, following the West Midlands' lead. Initially it covered the whole of the South East, but gradually, as Butterfly Conservation grew, county-based branches split off, with London's support and encouragement, until finally the Surrey & SW London and Herts & Middlesex branches were formed, splitting the residual London Branch into two, north and south of the Thames – and London branch's job was done.

Back then, Butterfly Conservation was a much smaller and quite different beast, and the first two branches were formed in the teeth of National Committee opposition. In 1981 we first two branches dared to hold a side meeting at the National AGM in the Victory Services Club in Marble Arch – and the atmosphere was fairly tense! Slowly however the National organisation, with new faces from the branches being elected to the National Committee (I was the first, and several other London members followed), grew together with the burgeoning branch network.

The embryonic London branch met at the Civil Service Sports and Social Centre, then housed in the "cold war bunker" complex in the basement of the infamous three tower block HQ of the Department of the Environment in Marsham Street, Westminster (later demolished and rebuilt as the new Home Office HQ).

A small, enthusiastic committee was soon formed, focusing initially on a field trip programme, but as time went by eventually covering the full range of typical Branch activities. Regular meetings were held in the Centre, and *The Writing on the Wall* newsletter was launched.

All four London Chairs went on to greater things of a varied nature on the National Committee (including two as National Chairs), as did other founder

members. In addition, our “Jewel in the Crown” was (and is) Ken Willmott, an amateur lepidopterist in the grand tradition, with enormous knowledge of and experience in his subject.

It could (easily) be argued that London branch was by far the most significant factor in the transformation of the then small British Butterfly Conservation Society towards the top-tier conservation organisation that Butterfly Conservation has become today.

The branch once held a Butterfly Festival at the Standalone Children’s Farm in Letchworth Garden City, one of the star attractions being some face painters. Harold Hughes spent much of the morning touring Letchworth putting up flyers on lamp posts and the like – only for someone to complain to the police, so Harold had to go round taking them all down again!

David Dunbar led a field trip to introduce Pearl-bordered Fritillaries to members, but within the first few yards, while talking expansively to the assembled throng, he inadvertently stepped on one!

On a field trip to the Lake District (yes, the Lake District!) to see the Mountain Ringlet, I led the group by car up to the top of the Honister Pass, parking by the youth hostel and slate quarry, and then on foot up the path towards Grey Knotts (697m). Dennis Newland was determined to photograph the butterfly, so my wife Sandra and I helped Dennis up the path, ably assisted by Enid – and the group were rewarded despite dull conditions (although this helped photography) with good sightings of this surprisingly pretty little butterfly, as they sheltered in the grass, wings wide open, soaking up the watery sun among the grey clouds.



David Gradidge receives a painting of Small Blues from artist Helen Kelly in recognition of his service as Membership Secretary (2005-14) & Treasurer (1995-2013). David has long been associated with conservation of the Small Blue on Banstead Downs. He is continuing on the branch committee in the new role of Fundraising Officer. Members’ Day, Nov 2014. FK

TIMELINE

1968 British Butterfly Conservation Society (BBCS) registered as a charity. Instigators: Julian Gibbs, Thomas Frankland, (who both soon departed), Robert & Rosemary Goodden. Sir Peter Scott is 1st president	1995 London branch split into Surrey & SW London, Herts & Middlesex. Stephen Jeffcoate 1st Chair (2 yrs)
1974 First AGM in London, attended by 20 people	1997 Chair: Howard Whiting (4 yrs)
1979 1st branch: West Midlands	1998 BC garden wins Gold Medal at Chelsea Flower Show
1980 London branch formed: Ian Hardy 1st Chair	1999 Stephen Jeffcoate National Chair (to 2003). David Bridges 1st Chief Executive
1990 Harold Hughes National Chair	1999 Sir David Attenborough succeeds Gordon Beningfield as President
1991 BC’s first staff member: Andrew Phillips	2000 HO moves to Wareham: new premises officially opened by Alan Titchmarsh in 2001
1993 HO established in Dedham, Essex	2001 Chair: Martin Ellis (8 yrs)
1993 Martin Warren appointed the first Conservation Officer	2003 Martin Warren succeeds David Bridges as Chief Executive
	2009 Chair: David Gardner
	2014 Membership of Surrey & SW London branch tops 1,000

Digital Photo Show: 2014 result

OUR first Digital Photo Show at last year’s Members’ Day attracted:

66 photos, of **29** species, from **17** photographers.

Photos with 2+ votes of the 51 cast:

14 SMALL COPPER in morning dew: Alex Potts (see page 29)

8 Wood White courtshipMick Rock	3 Small CopperMick Rock
3 Common BlueAlex Potts	2 Silver-studded BlueMick Rock
3 GraylingJack Pettit	2 Small SkipperClive Huggins
3 Marbled WhiteAlex Potts	2 Speckled WoodPhil Boys

Please submit your records to: www.brc.ac.uk/irecord

Our Garden (behind a Purley gate)

Sophie Pettit

I moved from Tottenham to Purley with my husband Dave four years ago because I wanted our children to enjoy the countryside. I grew up in a village and I really missed it when I came to London in my early 20s.

We had a garden in Tottenham but it was tiny. We now have a decent-size garden that we all enjoy. I class it as wildlife/child-friendly. Our boys are 3, 6 and 8 so we have the usual toys in the back garden: a trampoline, an assortment of balls, toy cars and diggers dispersed around. Despite the toys I try to do the wildlife-friendly bit too.

We have some bird feeders, a few bird boxes and I planted a couple of Buddleias to attract butterflies. One is near our kitchen window, and the other can be seen from our front window, so I don't always have to be in the garden to enjoy the butterflies.

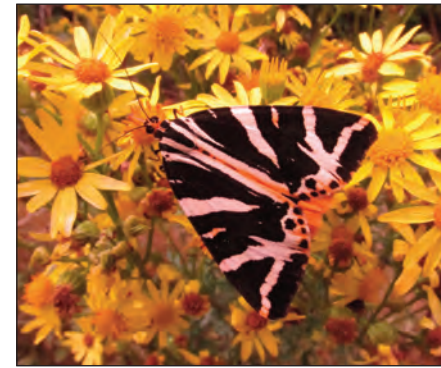
We cut our grass once a year and let most things grow: Ivy, Nettles, Brambles, Ragwort, Garlic Mustard etc. I have made our garden sound very wild, but we do have flower beds around the edge.

Although we are on a busy road in Purley, we seem to attract a good variety of wildlife and that's where my interest in butterflies has grown. Letting our grass grow attracts the grassland species. During the summer I see Meadow Brown and Ringlets most days, and on the odd occasion I have also seen Essex Skippers, Large Skippers, Small Coppers and Common Blues. The Garlic Mustard attracts Orange-tips in spring, and last year I saw my first Silver-washed Fritillary on Bramble before it moved on to some of our other flowers.

My favourite plant for attracting butterflies and moths last year was a small patch of Ragwort, about 12 stems, which had self-seeded in our front garden. I don't spend a lot of time in the front garden – it's basically where we park the car. Over the summer I saw a few Essex Skippers on the Ragwort. We also had, on separate occasions, a Small Copper and a Brown Hairstreak roost overnight on it, as well as a Jersey Tiger moth and Cinnabar moth caterpillars.



Sophie & Dave Pettit in Banstead Woods with sons Jack (middle, 8), Jonty (right, 6) and Charlie (left, 3)



Sophie's garden photos last year: Jersey Tiger on Ragwort (left), and (photographed by 8-year-old Jack) a roosting Brown Hairstreak

Although I feel I have learnt a lot about our garden since we moved here, I would still like to improve it for wildlife. I would like to hear from other members what plants (cultivated or wild) have worked in your garden and what have been your garden highlights, either in past years or this summer.

■ Please email your comments to surreybranch@gmail.com. They will be forwarded to me and I hope to share some of your best plants and garden highlights in a future *Skipper*. Why not go wild this year – it doesn't need to be most of your garden like ours! Just try a small patch, preferably a sunny spot, and see if it makes a difference.



At Hutchinson's Bank last May, six-year-old Jonty Pettit photographed this Brimstone on a Dandelion that is harbouring a Crab Spider

Root for your branch

Sophie Pettit

Enjoy butterflies more, and help them and your branch, by getting involved in some of these activities.

- 1 Come on a branch field trip.
- 2 Attend Members' Day in November.
- 3 Submit items for the Skipper/website.
- 4 Join a work party at Oaken Wood.
- 5 Help on our display table at events.
- 6 Submit records.
- 7 Champion a square or species.
- 8 Walk a transect.
- 9 Volunteer for a WCBS square.
- 10 Take part in the Big Butterfly Count.
- 11 Raise money for the branch when you shop online – at no extra cost: nominate **Butterfly Conservation – Surrey & SW London branch** as your chosen charity at easyfundraising.org.uk

The Joy of Transects

Bill Downey

WHEN I retired I started volunteering one day a week for the Surrey Wildlife Trust Bothy at Norbury Park. At tea break one day while scrub clearing, Assistant Ranger Rachael Thornley announced that they were in need of new butterfly transect walkers on their reserves.

Perfect job for me I thought – I have memories as a boy of sun-filled afternoons on Kenley Common with my father identifying blues and browns with my tattered copy of *The Observers Book of Butterflies*. In March Rachael organised a training afternoon with Francis Kelly. I live in New Malden but have always loved the North Downs and so was delighted to be asked to walk the SWT reserve at Quarry Hangers – a wonderful site on the chalk escarpment.

And Francis added, would you be prepared to walk Denbies Hillside where the transect walker of long standing, Duncan Greig, is retiring. You bet I would! This is not the classic Landbarn B transect – but Denbies Hillside nevertheless. In for a penny in for a pound!

However, taking on such sites meant that I had to hone my identification skills. Could I distinguish between a Brown Argus and the female blues or indeed all the other “small brown jobs”? Had I bitten off more than I could chew?

And this feeling stayed with me for the first few weeks of the season until sitting on a bench at Quarry Hangers in Week Three, a Grizzled Skipper – unmistakably – came and perched next to me. After 60 seconds it flew off in a blur of silver – but this was the first of a number of great moments which lasted throughout the summer.

It took only a few weeks to start really enjoying transect walking. Strolling

Small Blue on Guildford Downs

Sarah Meredith

AS I reported in the *Skipper* last year, 22 scrapes were created across the three project sites: Pewley Down, Newlands Corner & The Mount. Over the winter these were seeded and planted with 200+ kidney vetch plugs. There are still 100 plugs to go into the ground.

At Newlands Corner, we first cleared out the scrapes where dogwood and bramble had invaded. Dogwood is a problem at the western end and has been treated by Red Kite Conservation and Surrey Wildlife Trust. It was always known that it would take time to re-establish chalk grassland here.

Although funding from CEMEX has

come to an end, the Hamamelis Trust and Surrey Butterfly Conservation Trust have kindly donated money towards the project, which means it will continue until the end of 2015. Surveys will monitor the Kidney Vetch and determine if the Small Blue is utilising the new habitat at Newlands Corner.

■ As Project Officer I would like to thank: Surrey Wildlife Trust, Albury Estate, Surrey County Council, Guildford Borough Council and BC Surrey branch.

■ Your help would be most welcome; dates will be posted on our branch website.

Charts: page 21



Bill Downey assisting Anna Platoni, RHS Garden Wisley entomologist, who is planning a new transect. FK, Dec 2014

through beautiful landscapes and observing everything at a meditative pace, I felt as happy as a sandboy.

I found the discipline of a weekly walk meant that I quickly developed a much greater understanding of the progress of the butterfly year. What were previously charts in the field guide had become something I had internalized. Likewise I developed a deep knowledge of the parts of the routes I walked and what might be seen there. I soon had names for the different hot spots: Green Hairstreak corner, Small Copper bottom, Brown Argus alley, etc.

The regularity of the walks also meant I got a feel for the jizz of the various species – Brown Argus, no problem. But there were also problems I had not anticipated - that Dingy Skippers so closely resemble some day-flying moths for example.

In July the SWT asked me if I could add Brockham Limekilns to my “portfolio” as the ranger who did the transect was very busy – they do seem to have a lot of paperwork and meetings. I reckoned I could just about fit three walks a day into the time envelope if I started the first promptly at 10.45am. I was rewarded at Brockham in August with the best display of Silver-spotted Skippers I have ever seen.

At the end of the season I feel bereft. I had learnt so much so quickly but increasingly found myself asking: “What is it that I am not seeing and why not.” Wandering off-transect at Brockham in September I found an Adonis Blue above the quarry. So why are they not on the grasslands on the quarry floor? Why are there no Silver-spotted at Quarry Hangers when they are at Reigate Hill?

These – and others I have - I guess are the real questions involved in butterfly conservation and what I want to continue to ask in 2015.

■ Bill Downey is now branch Transect Coordinator: see page 37

London Wetland Centre Richard Bullock, Biodiversity Officer

BUTTERFLY numbers were particularly high in 2014. It was the best year since transects began in 1996 for Common Blue, Meadow Brown and notably Gatekeeper, which increased in abundance by 300% on the last two years.

This is a major turnaround for a species that was largely extinct in most inner-London boroughs such as Richmond during the 1980s until its resurgence from the late 1990s. Common Blues went bonkers, almost 150% more than the previous best year of 2003. The fine autumn weather saw its flight season extended to Sep 25.



Chalkhill Blue female at London Wetland Centre. Rupert Kaye

The Small Tortoiseshell staged something of a recovery after disappearing almost entirely from LWC (and many other Richmond sites) during the late 2000s. Red Admiral, Peacock and Speckled Wood also had good seasons. Late July and early August produced several Clouded Yellows. This migrant reappeared in September and was last seen on the 28th.

The year produced at least half a dozen Ringlets, suggesting that the establishment of a population at LWC may be underway. Rarities more associated with the North Downs were a Green Hairstreak on the Thames Bank in June (first recorded in May 2012), and a Chalkhill Blue female in July in the sheep field on Sandy Bank. A White Admiral was possibly a vagrant from Wimbledon Common and we had our annual sighting of a Marbled White in July. Could this be our next coloniser?

Fundraising David Gradidge

OUR branch needs to raise funds from new sources if it is to continue to support good causes. One useful avenue is the Green Token charity scheme run by Waitrose – I have already raised over £230 at my local Banstead store.

The procedure is to make yourself known to whoever runs the scheme at your store. They will want details of who you represent: this will be a mixture of national and local detail – i.e. charity number, HO address, name of Treasurer, etc. (details inside-back page, including my own). You will need to provide a few lines on why butterflies are a good cause – I can help with this.

There are 27 possible branches in our area and I don't know if they all operate the scheme. There are 13 in Surrey from Haslemere to Horley, and 14 in the London boroughs from Kingston to Coulsdon. If you would like to give it a go, please let me know and we will take it from there.

■ ASDA operate a similar scheme – more on that in the next Skipper.

Adonis Blue at Denbies Landbarn Gail Jeffcoate

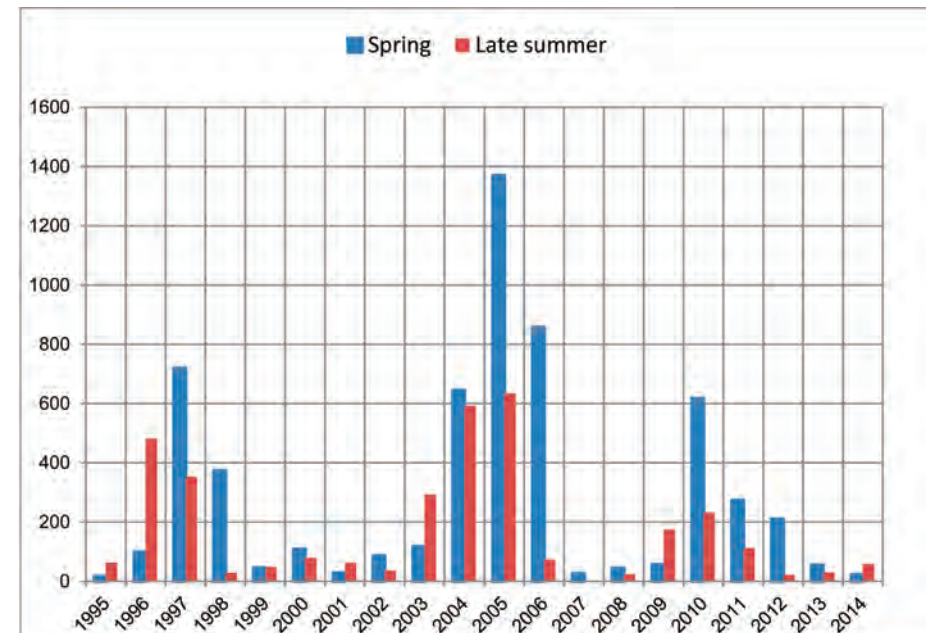
THE chart shows the cyclical pattern of Adonis Blue numbers recorded on the transect at Denbies Landbarn, which has now been walked for 20 years. There are two generations each year and it is usual for double-brooded species to produce higher numbers in the second brood, which has developed in warmer temperatures, without overwintering and thus with less risk of loss to predators and disease.

Second brood numbers of Adonis Blue at Denbies are higher in only six of the 20 recent years. I am grateful to Tom Brereton, Head of Monitoring at BC, for providing the Adonis Blue figures for all the national scheme sites. As well as showing that Adonis Blue counts at Denbies are among the highest nationally, these figures demonstrate that the changes between broods are often different here from those in other counties.

For example, the lower second brood numbers in 2005, 2006, 2010 and 2012 did not occur on other sites. The all-sites index (which does not calculate separate broods), shows the same pattern of peaks and troughs over 20 years as at Denbies. The varied grass sward height at Denbies is advantageous for the Adonis Blue, providing some suitable breeding habitat even in years with adverse weather conditions. The strong growth in recent years is however a cause for concern for this butterfly, which is essentially a short-turf species.

■ Links to Adonis Blue data are on our website's transects page:

butterfly-conservation.org/7524/Surrey-transects.html



Box Hill

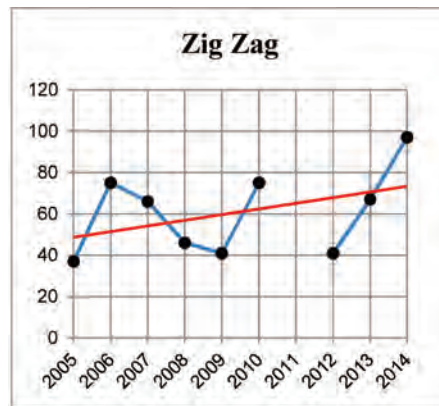
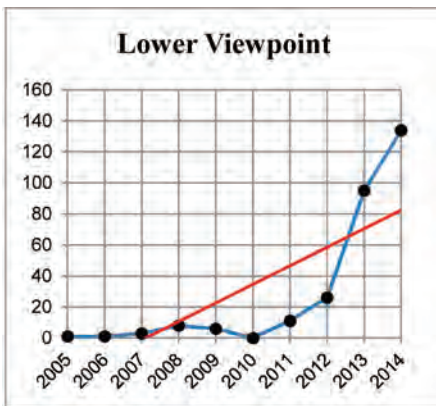
Janet Cheney

THE most significant change on my two Box Hill Transects – Zig Zag and Lower Viewpoint – has been the continued increase in Dark Green Fritillary sightings, now at their highest for 20 years. Ringlets have also increased to their highest total in 20 years on Viewpoint. Marbled Whites on the Viewpoint are at their highest for 18 years, on the Zig Zag for 8 years.

Gatekeepers had a good year on Viewpoint, the highest count in 10 years. Small and Large Skippers have been at their highest totals for 5-7 years here also, although not on Zig Zag. Small Blue and Small Tortoiseshell increased their (small) counts on Zig Zag. Peacocks increased significantly on Zig Zag, particularly in spring when the lower temperatures probably impacted Comma numbers (saw a number resting on Galloway dung piles, perhaps they helped!).

Meadow Brown and Small Heath were significantly less abundant. Common and Chalkhill Blues and Silver-spotted Skipper numbers reduced from 2013's peaks on Viewpoint to levels more typical of previous years. White numbers were low.

Dark Green Fritillary at Box Hill



Events

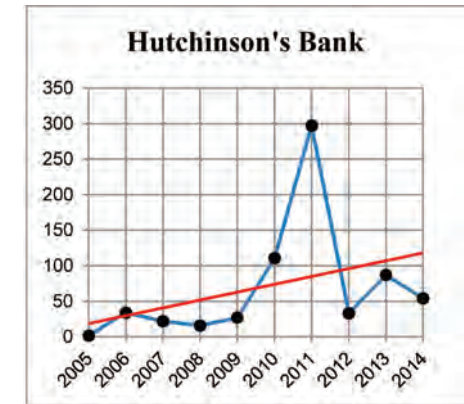
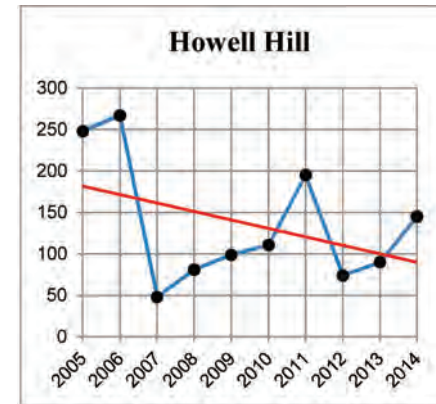
PHIL BOYS, who sells BC goods and promotes the branch at half a dozen Surrey events each year, would welcome any help. Early bookings:

- May Sat 30** Morden Hall Park BioBlitz
- Jun Sun 7** Shabden Park Farm Open Day, Chipstead
- Sat 20** Chessington World Of Adventures: evening event
- Jul Sun 26** Juniper Hall BioBlitz, Dorking

**Jul 18 – Aug 9: www.bigbutterflycount.org
Launched in London by Sir David Attenborough**

Small Blue annual indices at key transects

Francis Kelly

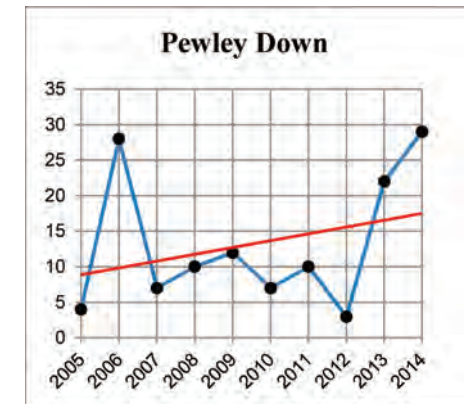


THE Small Blue was recorded on nine transects last year.

Of these, Box Hill Zig Zag, Chapel Bank, Dollypers Hill, Hill Park (Tatsfield), Riddlesdown Quarry and Warren Farm have limited recent data.

Howell Hill and **Pewley Down** showed an increase on 2013 after the disastrous year for all butterflies of 2012.

Martin Wills recorded a decrease at **Hutchinson's Bank** and feels April-July grazing may be to blame.



Hutchinson's Bank

Martin Wills

WE had 33 species on the transect last year, including both Small & Essex Skippers. Missing were: **Brown Hairstreak** (seen, but not on transect); **White Admiral**; **Purple Emperor** (occasional visitor from Frylands Wood); **White-letter Hairstreak** (last seen 1997); **Wall Brown** (common until Sep 1984).

Email address appeal

EARLY in March we sent a message to the 54% of members for whom we have an email address, alerting them to an early PDF of this Skipper on our website.

If you did NOT receive that message, you are invited to email your full name to surreybranch@gmail.com so we can add your email address to our database. This will help communications regarding events etc, and you will be alerted to early access to a PDF of the new Skipper as well as your printed version.

Weather Watch

David Gradidge

MUCH has been made in the press of the claim by the Met Office that 2014 was the hottest (warmest?) on record both in the UK and globally. Less mention when later they rowed back on the global data, saying it was within the margin of error.

In the UK it was indeed a curious year, but I keep saying that. Only August had temperatures below average. But it was only in 2013 that of the 12 months to the end of June, only two were above average.

Before delving into the temperature records, I will look at the rainfall and sunshine. It was a very wet year. Only 2000 was wetter. However, both 2002 and 2012 were not far behind, so perhaps a trend here due to persistence of prevailing SW winds. January and February set all sorts of records totalling 360mm (1921 recorded only 407mm for the whole year). It was also a very sunny year, being 9th in a series going back to 1929. So 2014 was an unusual combination of wet and sunny. No month was close to setting a sunshine record – it was just a case of most months being above average, including Jan & Feb.

And so it was with temperatures: January was the 9th-warmest month on record; Feb 7th; Mar 9th; Apr 4th; Jun 11th; Jul 10th; Sep 9th; Oct 4th; Nov 6th. August came in at 80th. Since the start of December the mould seems to have been broken with a much more variable pattern. Frosty one day, milder and wet the next, and temperatures around the long term average. It does look as if it will be one of the three sunniest winters on record.



BC household membership by branch

	November 2013	2014		2013	2014
Hampshire & IOW	1,225	1,359	South Wales	478	547
West Midlands	1,064	1,158	Cheshire & Peak	472	534
Yorkshire	997	1,126	Gloucestershire	467	507
Sussex	1,067	1,109	Wiltshire	439	498
Upper Thames	942	1,036	Suffolk	414	467
SURREY & SW London	953	1,023	Beds & Northants	395	452
Cambs & Essex	867	951	Glasgow & SW Scotland	351	385
East Midlands	824	893	Lincolnshire	310	356
Herts & Middlesex	815	866	North East	300	350
Somerset & Bristol	770	830	Warwickshire	303	336
Kent	736	818	Cornwall	315	327
Dorset	724	794	Highlands & Islands	283	280
Devon	626	693	Cumbria	245	277
Norfolk	626	684	North Wales	220	236
Lancashire	504	584	Northern Ireland	215	235
East Scotland	509	564	TOTAL households	18,456	20,275
Surrey: new 133, lost 63, +7%. Individuals: Surrey 1,352; National 26,077					

Field trips: 4-page pullout

Mike Weller



UNLESS stated otherwise, walks start at 11am and last until mid-afternoon. Lunch, drinks, walking boots, sunscreen, hat and close-focusing binoculars are advised. Newcomers and novices most welcome.

■ Grid reference and postcode indicate meeting place.

■ **Bad weather:** cancelled/rearranged dates will be posted on www.butterfly-conservation.org/surrey and emailed to those 50% of members for whom we have an email address.

To join our contacts list, please email your details to surreybranch@gmail.com

■ Field trips are open to BC members and their guests. **NO DOGS PLEASE**

APRIL

22 Wed **Ham Lands** TQ169731, TW10 7RS: car park south of Thames at north end of Ham Street, Petersham. **MORNING ONLY**
Early flyers, e.g. Brimstone, Peacock **Leader: Malcolm Bridge (MB)**

28 Tue **Sheeples, West Horsley** TQ088525, KT24 6AN: car park behind St. Mary's church, south side of A246 between East & West Horsley.
Green Hairstreak, spring Skippers, Vanessids **Francis Kelly (FK)**

MAY

3 Sun **Newlands Corner** TQ043492, GU4 8SE: car park west of A25; meet in front of visitor centre. *Green Hairstreak, spring Skippers* **FK**

6 Wed **Hutchinson's Bank** TQ377619, CR0 9AD: Farleigh Dean Crescent, off Featherbed Lane. *Downland species, incl. day-flying moths* **MB**

9 Sat **Denbies Hillside** TQ141503, RH5 6SR: Ranmore NT car park east. **STEEP!** *Green Hairstreak, spring Skippers* **Phil Boys (PB)**

10 Sun **Oaken Wood** SU993338, GU8 4PG: branch reserve entrance via west unmade track off Plaistow Rd. *Wood White & early flyers* **MB**

12 Tue **Abinger Roughs & Blatchford Down** TQ110479, RH5 6PZ: more southerly of the two car parks on west side of Whitedown Lane, 650m north of A25. *Brown Argus, spring Skippers* **FK**

19 Tue **Dawney Heath & Brookwood Cemetery** SU946560, GU24 0JE: Avenue de Cagney, Pirbright Green. *Grizzled Skipper, Green Hairstreak* **FK**

24 Sun **Denbies Hillside** see May 9. *Adonis Blue, spring Skippers* **PB**

28 Thu **Norbury Park** TQ146543, KT23 4BP: cul-de-sac end of Downs Way, Fetcham, south of A246 Leatherhead to Guildford road. Park considerably in residential road. *Downland species* **Mike Weller (MW)**

31 Sun **Merrow/Pewley Downs, Guildford** TQ022499, GU1 2QP: car park on right at top of High Path Rd or Grove Rd, off A246 Epsom Rd. *Small Blue* **MW**

JUNE

- 6 Sat **10.30 Howell Hill** TQ236622, SM2 7HS: outside St Paul's church at roundabout junction of busy A232 and Northey Avenue, Cheam. Park considerably in residential roads. **MORNING ONLY**. *Small Blue, orchids*. **£1 charge towards site upkeep**. **Peter Wakeham** 0208 642 3002
- 9 Tue **Clandon Wood Natural Burial Reserve** TQ048512, GU4 7TT: north side of A246, 300m east of A247. *Small Blue* **FK**
- 11 Thu **10.30 Fairmile Common** TQ117617, KT11 1BL: from Cobham take A307 towards Esher; after 2km turn left at sign for Cobham International School; car park 300m on right. **MORNING ONLY**. *Silver-studded Blue* **MW**
- 13 Sat **Newlands Corner** see May 3. *Small Blue* **FK**
- 14 Sun **Hutchinson's Bank** see May 6. *Small Blue* **MB**
- 17 Wed **Brentmoor Heath** SU938613, GU24 9PY: Red Road car park B311, 1st-left turn 275m west of A322 roundabout. **MORNING ONLY** *Silver-studded Blue, Dartford Warbler* **Steve Proud (SWT) & MW**
- 21 Sun **Box Hill** TQ179513, KT20 7LB: NT car park opposite shop. Beware cyclists! *Dark Green Fritillary, orchids* **MW**
- 23 Tue **Mitcham Common** TQ291678, CR4 1HT: Mill House car park, Windmill Rd. *White-letter Hairstreak* **MB**
- 25 Thu **10.30 Roundshaw Down** TQ305628, CR8 3QL: Plough Lane, off Foresters Drive, Wallington; park on street. **MORNING ONLY** *Marbled White* **Dave Warburton** (Sutton BC Biodiversity Officer)
- 28 Sun **Norbury Park** TQ158524, RH5 6BQ: Crabtree Lane car park, 1.2km NW of Box Hill & Westhumble station. Also access by train or bus (465 stops Westhumble, A24, 1.6km walk). *Down & woodland species* **MW**
- 30 Tue **Whitmoor Common** SU987542, GU3 3RN: car park at Jolly Farmer pub (intended for Common & pub); from A320 north of Guildford, take Burdenshott Rd NW for 1km. *Silver-studded Blue, Silver-washed Fritillary, White Admiral* **FK**

JULY

- 2 Thu **Bookham Common** TQ130557, KT23 3JG: NT Tunnel car park north of Church Rd, 200m east of Bookham railway station. *Purple Emperor, Silver-washed Fritillary, White Admiral* **MW**
- 5 Sun TWO field trips, which can be taken separately or together.
10.00 Botany Bay SU978348, GU8 4YA: south side of High Street Green, SE of Chiddingfold; 3km return walk to Triangle Meadow to find Purple Emperor on the ground. Beware roadside ditches when parking!
13.30 Oaken Wood (see May 10). *Woodland species* **MW**
- 7 Tue **Sheepleas, West Horsley** see Apr 28. *Purple Emperor* **FK**

- 9 Thu **10.30 Epsom Common** TQ182611, KT18 7TR: Stew Ponds car park south of Christ Church Rd. **MORNING ONLY** *Purple Emperor, White Admiral* **Alison Gilry** 07736 962466
- 12 Sun **Holmwood Common** TQ182463, RH5 4DT: NT car park on brow of hill, west side of road from Dorking to Newdigate. Afternoon visit to **Inholms Clay Pit** TQ175474, RH5 4TU: park in Holmbury Drive. *Purple Emperor, Silver-washed Fritillary, White Admiral* **MW**
- 14 Tue **Juniper Top, Box Hill** TQ172526, RH5 6DA: park in grounds of Juniper Hall. *Dark Green Fritillary, Marbled White* **FK**
- 16 Thu **Ashtead Common** TQ179589, KT21 2DU: Ashtead Common estate office; go over level crossing at Ashtead railway station, then left 200m along Woodfield Rd. Park considerably before level crossing or at far end of Woodfield Rd. *Purple Emperor, White Admiral* **MW**
- 18 Sat **14.00 Walton Downs & Juniper Hill, Epsom** TQ222578, KT18 5PP: large car park inside racecourse at SE corner. Cross the course east of grandstand at junction of Tattenham Corner Rd & Old London Rd then follow the track round. *Chalkhill Blue* **MW**
- 19 Sun **10.30 Chobham Common** SU965649, GU24 8TL: **MORNING ONLY** Roundabout car park, jct B383/B386. *Grayling* **Alan Hunt** 01483 476901
- 21 Tue **Broadstreet Common** SU968509, GU2 8LW: Hartshill, Park Barn, Guildford. From A323 Aldershot Rd turn west into Broad Street (heading towards Wood Street village); after 250m, 2nd-left – Broadacres; 1st right – Wood Rise; keep right at roundabout into Barnwood Rd; turn right at T-junction into Cabell Rd; 1st right into Hartshill. Park in residential street. *Wood & grassland species* **FK**
- 23 Thu **Headley Heath** TQ204538, KT18 6NN: Main (not Brimmer) car park on west side of B2033 Headley Common Rd, 200m south of Leech Lane. **STEEP**. *Purple Emperor, Small Copper* **MW**
- 25 Sat **10.30 Thursley Common** SU899416, GU8 6LW: Moat Pond car park, east side of Thursley Rd, 2.2km south of Elstead. Joint with Brit Dragonfly Soc. *Grayling, Golden-ringed Dragonfly, Black Darter* **FK**
- 26 Sun **Wimbledon Common** TQ229724, SW19 5NR: Windmill Rd car park. *Purple Hairstreak, grassland species* **MB**
- 28 Tue **Great Train Journey East: VERY STEEP!** dep Dorking **DEEPENE 9.14**, arr Betchworth 9.19. 6km return walk via Betchworth & Brockham Chalk Pits and Box Hill Dukes, ending at Stepping Stones NT car park (TQ171513, RH5 6AE), which is 600m south of Burford Bridge roundabout, east side of A24. We advise to park here and walk 1.4km (15min) south along A24, past Dorking Main, to Deepdene. *28 species in 2014, incl Chalkhill Blue & Silver-spotted Skipper* **MW**

30 Thu **Reigate & Colley Hills** TQ263523, RH2 9RP: Reigate Hill NT free car park, SE of M25 jct 8; turn off A217 towards Gatton; immediately signposted. *Silver-spotted Skipper; Chalkhill Blue* **MW**

AUGUST

1 Sat **10.30 'Vale End', Tillingbourne Valley, St Martha's Hill, Albury Downs** TQ042478, GU5 9BE: we are invited to Vale End, John & Daphne Foulsham's home, north side of Chilworth Rd (A248), 0.5km west of Albury. Park in field opposite on south side. After coffee & biscuits we wander along the Tillingbourne valley then steeply up onto the Downs. Return downhill for tea & cakes. End 4pm. *Chalkhill Blue* **MW**

4 Tue **Dawney Heath & Brookwood Cemetery** see May 19. *Grayling* **FK**

8 Sat **Great Train Journey West: VERY STEEP!**
dep Dorking **DEEPDENE 9.45**, arr Gomshall 9.53 (you could join here).
10km return walk over some of the finest butterfly country on the Downs.
Parking options: 1 Dorking Main station (TQ170503, RH4 1TF), 250m north of Deepdene, £3.40.
2 Ashcombe Road, west end (TQ161500, RH4 1NB) is on return route, 1.3km (15 min) west of Deepdene: cross A24 via underpass, turn right. **MB**

15 Sat TWO field trips, joint with Brit Dragonfly Soc, which can be taken separately or together.
10.30 Wisley Common TQ065589, GU23 6QA: Wren's Nest car park, north side of Wisley Lane, 850m from A3 north, beyond RHS gardens.
1.30 Boldermere TQ079583, KT11 1NA: Pond car park, 300m south of the main car park, Old Lane, off A3 south.
Dragonflies & butterflies. WELLIES ADVISED **FK**

16 Sun **Box Hill** see Jun 21: STEEP walk to Lower Viewpoint & Dukes.
Blues, incl. Adonis, Silver-spotted Skipper **PB**

19 Wed **10.30 Bookham Common** see Jul 2. **MORNING ONLY**
Brown Hairstreak **MW**

23 Sun **Denbies Hillside** see May 9: STEEP!
Adonis & Chalkhill Blue, Silver-spotted Skipper **PB**

26 Wed **10.30 Bookham Common** see Jul 2. **MORNING ONLY**
repeat of previous week's visit for Brown Hairstreak **MW**

SEPTEMBER

1 Tue **Merrow/Pewley Downs, Guildford** see May 31. *Brown Hairstreak* **FK**

- In an **EMERGENCY** call 112: wait 1 min; if no signal, turn 180° and retry. If still no contact, text 112.
- Initials for regular leaders (contact details inside-back):
PB-Phil Boys, **MB**-Malcolm Bridge, **FK**-Francis Kelly, **MW**-Mike Weller.
NO NEED to contact the leader beforehand.

New members

A warm welcome to the following new members. Feb 2015 total 994, up 14 from Sep 2014.

Ms L J AustinWoking	Mr C HewsonSE27	Mrs L RingEpsom
Mr & Mrs D Barlow & family Long Ditton	Mr & Mrs D Hicks Cheshington	Miss S RobinsW. Byfleet
Ms K BaronReigate	Miss B HillHaslemere	Ms E RogersEpsom
Mr A BeattieWoking	Miss J HillCarshalton	Mr & Mrs D Sale ..Hindhead
Miss E BeerFarnham	Mr & Mrs S HillsPurley	Ms E SaltSW16
Mr N BoucherFarnham	Mr T HollowayCaterham	Miss E Schoonraad Long Ditton
Mr & Mrs A Bret & family SW11	Mr S HollowayRedhill	Mrs C ScottS. Croydon
Ms C BrownSW17	Ms L Hopgood & Mr W Gradidge SW16	Mr & Mrs P Sisodia Kingston
Miss D BullardDorking	Ms G HornDorking	Miss L SpoonerW. Sussex
Ms V Chester & Mr A Furtek Horley	Mr & Mrs D Inman Weybridge	Mr & Mrs R Stephens Godstone
Mrs J CollinsCaterham	Mr N JeffreySW6	Mrs F TaylorFarnham
Mr G CorbettW10	Miss S LongesW. Byfleet	Ms L TaylorLightwater
Mr & Mrs D CorbySE17	Mr L Lucas & Ms C Murphy & fam SW1	Miss M Thomas ..Limpfield
Mrs M DelpySW19	Mrs E MartiRedhill	Mr C ThubronW14
Ms L DenningSW17	Mr Mrs M Martinez & family Chertsey	Mr & Mrs D Toplas Guildford
Mr A EggsTadworth	Mrs C McLarenRedhill	Miss L TranSE17
Miss C FellowsRedhill	Dr & Mrs J Mellor ..Woking	Mrs S TuckWoking
Miss R FordAsh Vale	Ms M MorganChertsey	Miss G TurneyBagshot
Mr C GardinerGuildford	Mrs I Namintaporn Chertsey	Mr P VinceAshtead
Mr R GoldfinchPurley	Mr M O'BrienSE24	Ms D WagnerSE24
Mr & Mrs C Hall ..Farnham	Dr D PalmerSW12	Miss S WhiteChertsey
Mr K HarrisChertsey	Mr G M PinkSurbiton	Mr R WilliamsKingston
Mr & Mrs R Harrison & family Mitcham	Dr A RawalCroydon	Miss L YahyaouiSE19
Ms H Hedges & Mr A Soliman Addlestone		Mr J YoungSW1

Cornish cream

David Gradidge

LAST November 1, my wife Anne and I went down to Duloe Manor, Cornwall, 5km north of Looe. The first morning just after breakfast Anne said there was something flying about outside. I said rubbish, or words to that effect, it being just after 9am on a sunny but chilly and breezy day.

Well, she was right. A number of Red Admirals were flying around – four settled on a sheltered sunlit wall at one time. They seemed to be nectaring on rotting cherries. It was the same the next day, including one on winter-flowering Viburnum.

The last full day we went to Cotehele, the one NT property open in the area, high above the Tamar. A short walk to the walled garden displayed more Red Admirals. At the far end we sat on a bench away from the chill. Anne said: "What's that down there – it looks like a Painted Lady?" And so it was, a little worn but lively.

As we got up to go, something else flew by – a Clouded Yellow, last seen pursued by a Red Admiral. Oh, and I let a Small Tortoiseshell out of the pub window.

Musings of a new member

Ken Owen

“Faster than fairies, faster than witches”

HOW did I end up chasing butterflies? In my early years, it was true that I had chased steam engines on expresses from Paddington to Birkenhead, but certainly not butterflies. It's also true that I took photographs of trains in the landscape and became interested in the flora and fauna of far-flung corners of our sceptred isle. Recently, however, a long-standing Welsh friend had lent me Patrick Barkham's *The Butterfly Isles*. The self-deprecating humour, the underpinning knowledge worn so lightly, the love of the chase and the manageable number of British butterflies captivated me in a way few books had done for years.

I could cope with this, I thought, even if, at New Members' Day at Juniper Hall, it sounded suspiciously easy. Finding Dingy Skippers on Denbies Hillside on your own, I found, is, in reality, much more problematic. Phil Boys' group, on the other hand, with many more pairs of eyes, naturally succeeded in tracking down both Dingy and Grizzled.

On the first of the season's field trips along the Thames I felt an infiltrator, a friendly one, I hope, as I listened to members discussing their interests and sharing their knowledge. There was a good mix of male and female personalities. Three cheers for the leader, Malcolm, with his piercing insights into the plant life all around; and, on later visits, Mike Weller and Francis, deserve a mention, too, for the way they always ensured new faces, including mine, were made welcome.

Over the summer, I was blessed with magnificent weather – regular e-mails to North Wales had my friend beside himself with frustration – his repeated failure to find good days to visit Llandudno's Great Orme for the Silver-studded Blue were met by my reporting back from the Whitmoor Common visit on yet another sunny day: two before lunch and a White Admiral to boot. He would write from west Wales that they had seen 12 species by the end of June and I would send back the message that within a mile of Newlands Corner our field trip had clocked up 19, including Small Blue!

It was only fair to invite my friend and his wife down. So, three days after the group's visit to John and Daphne Foulsham's wonderful garden and the circuit past Newlands Corner, I took them on the same itinerary. They were astounded by the riches on show – 22 species on the day. Indeed, they were able to join us on the Brookwood Cemetery field trip, too, but had to be returned to the station before the end, thus ensuring I missed the Painted Ladies; just as, in fact, I had missed the Painted Lady the previous week, as she flitted in and out of the group, minutes before my arrival for a walk on Denbies Hillside. And sure enough, she refused to deign me with her presence throughout the rest of the season. Patience is not always rewarded, and, as a result, I did not get to see all of Surrey's 41 official species and the world did not come to an end!



As the season progressed, and the different species of butterflies appeared, grew in number and then mysteriously and rapidly disappeared once more, I had time to learn to identify them with greater confidence. My favourite became the Marbled White. I saw my first on an amble up towards Hutchinson's Bank at the end of June. Ten days later I was up on Box Hill, at four on a hot afternoon, where I found myself among dozens of them as they congregated on the heads of thistles, and produced one of those awe-inspiring moments that take the breath away.

Another dramatic vignette occurred at the end of a field walk on Headley Heath. In the car park, suddenly there was a shout: "Emperor"; we looked up and there, swooping only just above our heads, rapidly moving from one side to the other of the open space, in all its glory, large in size, the Purple Emperor, away, on its imperious and determined journey.

The drama of the butterfly's life, the visceral effect of the surprise sighting, or maybe just the first sighting of a Wood White at Oaken Wood, these were truly magical moments. They led in September to my taking over the Dukes transect below Box Hill where I discovered that not only could I take pictures of these special moments but that I could also ensure there was a train in the landscape too.

“Each a glimpse and gone forever” Not so!

■ With thanks to Robert Louis Stevenson: *From A Railway Carriage*

Photographing the Small Copper

Alex Potts

AS a keen macro photographer and living next door to Bealeswood Common, Dockenfield, I decided to photograph the butterflies there through the summer and also those in my meadow area adjacent to the Common.

I was asked to take images of the Small Copper, as it is associated with the Dock from which our village derives its name, and it was suggested that the butterfly could become the village symbol.

What started out as a few images turned into more of a study as I found a Small Copper occupying territory on Bealeswood Common and one in my paddock (400 metres away). In the end I knew where to find each one at different times of the day, what time of day they became active, what they would tolerate sharing the same flower clump and where they liked to roost. I think the one in my garden was male and the one on Bealeswood was a female.

I was interested to see what would happen when the grass was cut on Bealeswood Common if I kept mine long and almost overnight two new Small Coppers appeared (mid-Sep), which put the resident one into a territorial frenzy! I have learnt a lot from my mini project and am looking forward to my first sighting next spring.

■ Dockenfield, like Staines, is unusual in being part of the administrative county of Surrey but not part of the vice-county. The vice-county boundaries were defined in 1852. Surrey gained Dockenfield from Hampshire in 1895.

■ **Front page photo:** Mrs Alex Potts won our Members' Day Photo Show with a Small Copper covered in morning dew.

Surrey sites: Chipstead Downs

Nigel Jackman

CHIPSTEAD Downs SSSI includes Park Downs, Stagbury Downs, Fames Rough, Long Plantation and Banstead Woods. Most of the site is owned by Surrey County Council and managed by Reigate & Banstead Borough Council as a public open space. Chipstead Downs lies between the B2219 Holly Lane and B2032 Outwood Lane near Banstead. Park Downs is on the north side of Holly Lane.

Located on the dip slope of the North Downs, the Chipstead complex (centred on TQ265579 & TQ268562) includes areas of steeply sloping chalk grassland with associated scrub and secondary woodland. The remaining areas of chalk grassland have been largely neglected and extensive areas are dominated by tor-grass and false-brome. However, in places mowing and rabbit grazing (sometimes supplemented by sheep or cattle) have maintained a richer chalk flora dominated by sheep's-fescue and glaucous sedge.

Rarer species include white mullein, round-headed rampion, bee orchid, fly orchid and the greater yellow-rattle. Other chalk downland plants include pale St John's-wort, autumn gentian, twayblade, white helleborine, dodder, round-leaved fluellen, yellow bird's-nest and devil's-bit scabious.

On the adjoining plateau of clay-with-flints is Banstead Wood, 250 acres of ancient woodland, with plentiful sessile oak, birch and beech. Conifers, sweet chestnut and other trees have been randomly planted into the stands. Through the woods are hazel, rhododendron and holly, with bracken and bramble dominating in places. Ash and yew are also common.

Prior to more active intervention the Chipstead Downs sites were badly degenerated by the mid-1990s following years of neglect and poor management. Scrub and coarse grasses had taken over much of the downland. An area of grassland at Fames Rough is now periodically strip-ploughed to create a favourable habitat for three rare arable weeds: ground-pine, cut-leaved germander and mat-grass fescue. Butterflies include Brown Argus, Chalkhill Blue and Grizzled Skipper. Although the site is listed in *Butterflies of Surrey Revisited* as one of the county's key sites on the chalk, it tends to be under-reported.

A Guide to the Butterflies of Chipstead Downs is downloadable at www.tinyurl.com/pc17cct

It illustrates 33 resident butterflies, with a guide to their local distribution, flight period, habitat and foodplant. Since publication in 2011 Brown Hairstreaks have been seen in successive seasons at the Nuttery (small wood near the Ramblers Rest pub) and above Hither Field at Woodpecker Meadow, where there is a large area of blackthorn adjacent to an area self-evidently described as the Scrub. Also Silver-spotted Skipper has bred at Park Down, making 35 species recorded in recent years.

A good starting point is to follow the tracks in a westerly direction from Holly Lane car park (TQ272583). This will take you towards Hither Field (an area bisected by a pathway leading downhill and across the railway line to Outward Lane and the Ramblers Rest), across Sheep Brow (enclosed area of south-facing downland to the



east of Fames Rough) and on towards Fames Rough.

Surrey Skipper 44, June 2009, contains Branch Chair David Gardner's report on a field trip in May that year. He wrote how they "found the meadows a delight, with species flying or being disturbed as we walked through. The general landscape was very pleasing".

"We made it through to Fames Rough and . . . got more sightings of butterflies while sitting there including a Dingy Skipper. Moving into the special ploughed area of the site we were spotting Grizzled and Dingy Skippers and Green Hairstreaks."

In August 2013, the Canons Farm & Banstead Wood Bird Group organised a butterfly & plant walk along Chipstead Bottom, looping through Banstead Woods before retracing steps to the starting point at Holly Lane car park. Their 24 species included Marbled White, Silver-washed Fritillary, Purple Hairstreak (five by the pond in Banstead Wood), Chalkhill Blue (50+) and Clouded Yellow (helice form). In July last year the same group saw 25 species, including Dark Green Fritillary and a probable Silver-spotted Skipper.

■ Butterfly sightings are posted from time to time by the Canons Farm & Banstead Woods Bird Group at www.cfbwbirds.blogspot.co.uk

■ *Visit the chalk!*, to which I am indebted for the graphic above, is a useful booklet downloadable at: www.tinyurl.com/k4v6f82

Silver-washed Fritillary eggs

Nick Broomer

Egg 1, July 6, 2014, Chiddingfold: Silver-washed Fritillary lays egg on moss, about 2ft up north-facing side of Oak trunk. July 26: larva hatched after three weeks and ate the shell, its only meal before entering hibernation.

Egg 2 (far right), July 19: found on the same tree, facing slightly north-east. An insect had sucked it dry from a small tell-tale hole on top and to the front of the egg.



Members' Day Quiz

Kelvin Reel

Lawrie & Bridget de Whalley won Kelvin Reel's quiz at our annual Members' Day in November. They will set the questions for this year's quiz.

Which butterfly uses as its main foodplant?

- | | | |
|----------------|---------------------------|------------------|
| 1 Kidney Vetch | 5 Honeysuckle | 9 Heather, Gorse |
| 2 Oak | 6 Willow | 10 Holly, Ivy |
| 3 Buckthorn | 7 Rock-rose, Crane's-bill | |
| 4 Sorrel, Dock | 8 Thistle | |

What is the modern name for these butterflies?

- | | |
|-------------------------|------------------------------------|
| 11 August Skipper | 16 April Fritillary with few spots |
| 12 Queen | 17 Willow Beauty |
| 13 Small Tortoise-shell | 18 Mr Vernon's Small Fritillary |
| 14 London Eye | 19 Pale Blue Argus |
| 15 Rock Underwing | 20 Surrey Skipper (European) |

21-30 Identify the butterfly from the wing close-up – see facing page.

ANAGRAMS

- | | | |
|-----------------|-----------------------|------------------|
| 31 Operating | 35 Smell car pop | 39 Narrow bugs |
| 32 The saw mill | 36 Male bulls | 40 A deadly pint |
| 33 Married lad | 37 Rural heat skipper | |
| 34 Minor best | 38 The wild bream | |

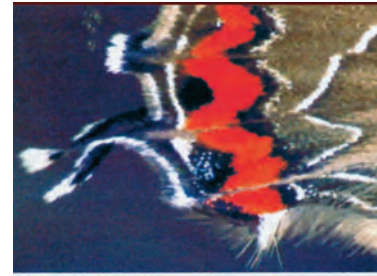
If you have read *Butterflies of Surrey Revisited*, you may know the answer to these questions about Surrey butterflies?

- | | |
|---|--|
| 41 How many species? | 46 Found in greatest number of tetrads. |
| 42 Which two butterflies were last recorded in 1997? | 47 Has declined most in abundance on transects since 1990? |
| 43 Which butterfly was introduced to a sand pit near Wrecclesham in 2001? | 48 Site of first transect? |
| 44 Rarest resident? | 49 Species with top one-day count 2000-12? |
| 45 Most prolific recorder? | 50 Key site with most species? |

ANSWERS

- 1 Small Blue, 2 Purple Hairstreak, 3 Brimstone, 4 Small Copper, 5 White Admiral, 6 Purple Emperor, 7 Brown Argus, 8 Painted Lady, 9 Silver-studded Blue, 10 Holly Blue, 11 Silver-spotted Skipper, 12 Swallowtail, 13 Small Copper, 14 Wall Brown, 15 Grayling, 16 Pearl-bordered Fritillary, 17 Camberwell Beauty, 18 Duke of Burgundy, 19 Chalkhill Blue, 20 Mallow Skipper, 21 White-letter Hairstreak, 22 Silver-spotted Skipper, 23 Clouded Yellow, 24 Small Copper, 25 Northern Brown Argus, 26 Adonis Blue (*ceronus*), 27 Painted Lady, 28 Small Pearl-bordered Fritillary, 29 Marbled White, 30 Meadow Brown, 31 Orange-tip, 32 Small White, 33 Red Admiral, 34 Brimstone, 35 Small Copper, 36 Small Blue, 37 Purple Hairstreak, 38 Marbled White, 39 Brown Argus, 40 Painted Lady, 41 42 Duke of Burgundy & Small Pearl-bordered Fritillary, 43 Giant Tortoiseshell, 44 Wood White, 45 Ian Cunningham, 46 Small White, 47 Small Tortoiseshell, 48 Banstead Downs, 49 Chalkhill Blue, 50 Box Hill (38).

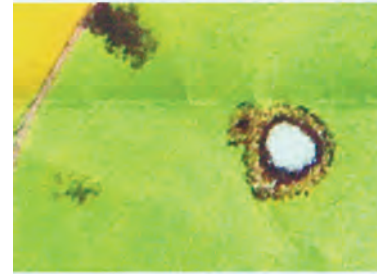
21



22



23



24



25



26



27



28



29



30



Recording strategy 2015-2019 **Harry Clarke**

THANK you to everyone who submitted records during 2014. These records have helped enormously over the years, enabling the publication of over 170 scientific papers using BNM and UKBMS data, the protection of important sites such as SSSIs, and influencing UK and European policy.

The Butterflies for the New Millennium (BNM) scheme started in 1995 to collect records for the Millennium Atlas, which was published in 2001. Since then records have been analysed over a five-year period to monitor changes in distribution. This year is the start of the 5th period (2015-2019). My goal over the next five years is to achieve Well Recorded Squares (WRS) for all 25 tetrads (2km squares) in each hectad (10km), covering all habitats.

A WRS is defined as a square with at least 10 visits during the five-year period, including at least one visit in each of May, June, July and August in suitable weather. Repeat visits increase the chance of recording the more elusive butterflies, and visits during different months ensure that flight periods are covered.

Table 1 shows how repeat visits to the same site over a 12 day period by the same person was required to see all 21 species present at the site during July. A new species was seen at each visit.

Table 1	7 Jul	14 Jul	16 Jul	18 Jul	TOTAL
Seen on one visit	1	1	1	2	5
Seen on two visits	3	1	2	4	5
Seen on three visits	3	3	2	4	4
Seen on all four visits	7	7	7	7	7
Total species seen	14	12	12	17	21

WEBSITE: a map showing the recording effort in Surrey 2010-2014 is on our Champions page

There are a number of ways you can help complete the picture of how butterflies are faring in Surrey, and hence provide the evidence that is necessary to help conserve them. Away from the hotspots we only have sporadic records. To address this problem, at November's branch AGM I announced two schemes:

■ **Square Champions:** to obtain better quality distributional records

■ **Species Champions:** to obtain better records for our rarer butterflies.

A **10km Square Champion** will help with the recording effort to achieve well-recorded status for every tetrad (2km square) within the hectad (10km square) for the period 2015-19. This will be achieved by encouraging others to collect records, and working with the County Recorder.

Records from other schemes all count. Squares with only a small fraction within VC17, such as TQ43, should be combined with the recording effort of other squares such as TQ44 (see table 2).

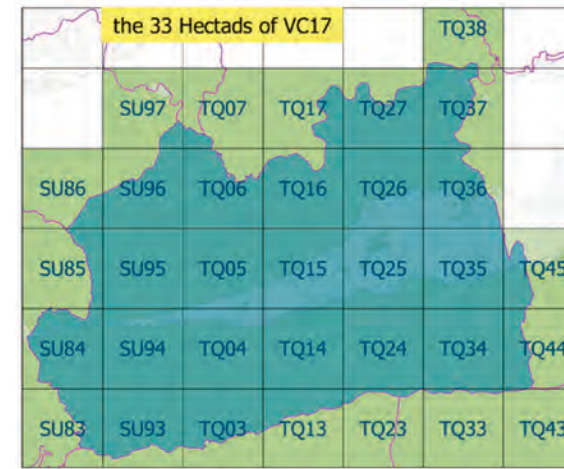


Table 2

A Species Champion will help coordinate the recording effort for one of our rare butterflies, which is at greatest risk of loss, identifying its populations in Surrey and information about habitat requirements. This will be achieved by encouraging others to collect records, and working with the County Recorder. Records from other schemes all count.

Table 3: Surrey butterflies with protection from harm or sale under Sched 5 of the Wildlife & Countryside Act 1981. Section 41 of the Natural Environment & Rural Communities Act 2006 lists species of principal importance for conserving biodiversity in England (BAP species). JNCC's 2010 Red List shows British butterflies at risk from extinction:

	Wildlife & Countryside Act	Sect 41 Action List	JNCC Red List	Champion
Adonis Blue	Sch5		NT	Gail Jeffcoate
Brown Hairstreak	Sch5	medium	VU	
Chalkhill Blue	Sch5		NT	
Dingy Skipper		low	VU	
Glanville Fritillary	Sch5	low	EN	Martin Wills
Grayling		low	VU	Howard Street
Grizzled Skipper		low	VU	
Purple Emperor	Sch5		NT	
Silver-spotted Skipper	Sch5	medium	NT	
Silver-studded Blue	Sch5		VU	Howard Street
Small Blue	Sch5	medium	NT	Gail Jeffcoate
Small Heath		low	NT	
White Admiral		low	VU	
White-letter Hairstreak	Sch5	medium	EN	
Wood White	Sch5	medium	EN	Stephen Jeffcoate

EN=Endangered, VU=Vulnerable, NT=Near Threatened

WEBSITE: more details on our Champions page

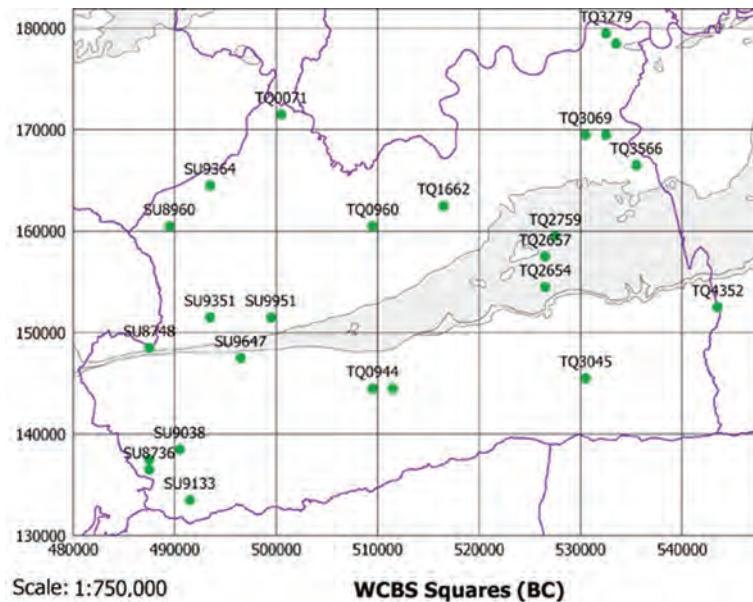


Table 4

Wider Countryside Butterfly Survey (WCBS)

Surrey has 47 WCBS squares, randomly chosen by Butterfly Conservation. Volunteers walk a fixed route in a monad (1km square) twice a year during July and August, and optionally in May and June. **Table 4** shows the 25 squares managed by BC. The other 22 are managed by the British Trust for Ornithology (BTO).

WEBSITE: more details on our WCBS page

General recording: All records are most welcome, whether for a defined scheme or just general records. Please contact a Champion if you can help with records for a particular area or species.

iRecord (www.brc.ac.uk/iRecord) with app option and managed by the Biological Records Centre, is our new recommended platform for general recording. It replaces the facility that was on our old website last year.

WEBSITE: more details on our Recording Guide page

UKBMS Transects: see facing page **Big Butterfly Count:** Fri 17 Jul – Sun 9 Aug

Feedback: a report will be produced every year to show what progress has been made with our Surrey recording effort.

■ The first three BNM quinquennial reports are downloadable at: butterfly-conservation.org/1643/the-state-of-britains-butterflies.html
The 2009-2014 report should be ready next year.

■ If you could be a Square or Species Champion, or take on a WCBS square, please contact Harry Clarke.

Transect news

Francis Kelly

I am pleased to welcome Bill Downey as Surrey's new Transect Coordinator. I am continuing as his assistant.

Last year 59 transects in the UK Butterfly Monitoring Scheme were walked in Surrey & SW London, an increase of 12 on 2013 and a record for the county. Over 90 volunteers recorded over 83,000 butterflies of 40 species. Six species produced their top one-day count of the current century: Gatekeeper 248, Marbled White 209, Large Skipper 58, Brimstone 52, Dark Green Fritillary 39, Glanville Fritillary 12.

About half of the walkers are not BC members but are associated with other charities or organisations such as National Trust, Wildlife Trusts, City of London Commons and borough councils.

NEW in 2014 (10)

Dollypers Hill (Coulsdon/Kenley)
Hill Park (Tatsfield)
Hogsmill LNR (Ewell)
Morden Hall Park
Norbury Park (Fetcham)
grassland & woodland
Priest Hill (Ewell)
Runnymede (Egham)
Tice's Meadow (Badshot Lea)
Warren Farm (Ewell)

RESUMED (3)

Chapel Bank (New Addington)
Horton CP (Epsom)
New Hill (Coulsdon)
Not walked: Oaken Wood

NEW IN 2015

Tooting Common
RHS Wisley
Shortfield Common (Frensham)

Thanks to Peter & Ruth Cureton, from Frimley, who have taken over the transect at Oaken Wood, our branch reserve, which was not walked last year. Thanks also to Gay Carr, who steps down after walking Wimbledon Common since 2005.

■ New transect volunteers are always needed. If you could help with an existing transect (many are shared) or would like to set up a new one, please contact billdowney@sky.com.

■ The Joy of Transects: page 16 ■ Transect data, pages 40-42

Transect data online

■ **Downloadable data** (simple Excel file) & **How to view transect data online** (with login & password details), plus details of the scheme, are on our website's transects page: butterfly-conservation.org/7524/Surrey-transects.html



Centroid grid ref	Surrey transects	Species in 2014	1st year
TQ179593	Ashted Common B , CLC Zuza Kukielka	25	2002
TQ257615	Banstead Downs , Banstead Commons Conservators <i>Derek Coleman, Peter Trew</i>	19	1986
SU823409	Bealeswood Common, Dockenfield , Waverley BC <i>Philippa Hall, Alison Bosence, Anne Tutt</i>	20	2008
TQ205513	Betchworth Quarry , SWT <i>Martin D'Arcy, Sue Davies, Steve Glasspool, Andrea Neal, Rachael Thornley</i>	26	2011
TQ106486	Blatchford Down, Abinger , NT <i>Cathy Mead</i>	27	2013
TQ185511	Box Hill Dukes , NT <i>Mike Weller, Ken Owen</i>	27	1994
TQ179510	Box Hill Viewpoint , NT <i>Janet Cheney, Jim Howell</i>	28	1994
TQ177520	Box Hill Zig Zag , NT <i>Janet Cheney, Jim Howell, Geoff Woodcock</i>	27	1994
TQ198510	Brockham Limeworks , SWT <i>Martin D'Arcy, Sue Davies, Bill Downey, Andrea Neal, Steve Glasspool, Rachael Thornley, Graham Manning</i>	28	2013
TQ386605	Chapel Bank, New Addington , LWT <i>Malcolm Bridge, Martin Wills</i>	26	1997
SU974657	Chobham Common NE , SWT <i>David & Audrey Moss, Paul Wheeler</i>	24	2002
SU974633	Chobham Common Sth , SWT <i>Paul Wheeler, David & Audrey Moss</i>	25	2004
TQ325571	Coulsdon Common , CLC <i>Andrew Scott</i>	23	1990
TQ150500	Denbies Hillside, Dorking , NT <i>Bill Downey, Phil Boys</i>	26	1988
TQ134498	Denbies Landbarn B, Dorking , NT <i>Gail Jeffcoate, Amanda McCormick, Graham Revill, Robert Cramp</i>	30	2002
TQ315584	Dollypers Hill, Coulsdon/Kenley , SWT <i>Malcolm Jennings, Rachael Thornley</i>	21	2014
TQ188606	Epsom Common , EC Association <i>Alison Gilry, Sarah Clift, Gill Sanders, Matthew Tugwell</i>	22	2009
TQ118617	Fairmile Common, Cobham , Elmbridge BC <i>Dave Page</i>	19	2006
SU841480	Farnham Park , Friends of FP <i>Richard Burgess</i>	20	2004
TQ300576	Farthing Downs, Coulsdon , CLC <i>Gill Peachey, Andrew Scott</i>	25	1990
TQ093485	Hackhurst Down, Gomshall , NT <i>Amanda McCormick</i>	23	1988
TQ308568	Happy Valley, Coulsdon , Croydon BC <i>Nick Press, Dominic North</i>	21	2000
TQ195533	Headley Heath , NT <i>Donna Dawson</i>	25	1990
TQ422560	Hill Park, Tatsfield , SWT <i>Jim & Ruth Yeeles</i>	28	2014
TQ209636	Hogsmill LNR , Epsom & Ewell BC <i>Bob & Carole Guille, Sarah Clift, Pete Howarth</i>	16	2014
TQ178458	Holmwood Common , NT <i>Lucy Halahan, Mike Thurner</i>	22	2012
TQ187619	Horton CP , Epsom & Ewell BC <i>Sarah Clift, Pete Howarth</i>	22	2010
TQ239619	Howell Hill, Ewell , SWT <i>Richard Donovan</i>	23	2002

TQ382615	Hutchinson's Bank, New Addington , LWT <i>Martin Wills</i>	32	1997
SU978395	Hydon Heath, Hydestile , NT <i>Julie Steele</i>	12	2013
TQ333585	Kenley Common , CLC <i>Bill Bessant</i>	24	1990
TQ387441	Lingfield Wildlife Area B , LWA Association <i>John Madden</i>	16	2002
TQ226768	London Wetland Centre , WWT <i>Richard Bullock</i>	21	1996
TQ286679	Mitcham Common A , MC Conservators for Merton BC <i>Paul Moorhouse</i>	20	1994
TQ261688	Morden Hall Park , NT <i>Philip Bryan</i>	17	2014
TQ305576	New Hill, Coulsdon , CLC <i>Elaine Dolton</i>	22	2003
TQ153539	Norbury Park grassland, Fetcham , SWT <i>Carol Shenton</i>	24	2014
TQ151538	Norbury Park woodland, Fetcham , SWT <i>Carol Shenton</i>	18	2014
TQ377572	Nore Hill, Woldingham , SWT <i>June Wakefield, Brian Thomas</i>	24	2000
TQ195548	Nower Wood, Headley , SWT <i>Dick Beasley, Julia Edwards, Deborah Holttum</i>	20	2010
TQ267584	Park Downs , Banstead Commons Conservators <i>Jill Hall, Roger Hawkins</i>	27	1998
TQ008489	Pewley Down , PD Volunteers for Guildford BC <i>Peter Curnock, Francis Kelly</i>	29	2005
SU993554	Prey Heath , Woking BC <i>Howard Street</i>	12	2006
TQ230613	Priest Hill, Ewell , SWT <i>David Robinson, Steve Glasspool, Dennis Skinner</i>	22	2014
TQ317536	Quarry Hangers, Chaldon , SWT <i>Geoff Hewlett, Bill Downey</i>	28	2008
TQ194740	Richmond Park , Royal Parks <i>Sarah Elliott, Raymond Garrett, Eleanor Lines</i>	17	2003
TQ337594	Riddlesdown Common, Purley , CLC <i>Mick Rowland, Barry Gutteridge</i>	24	1990
TQ331600	Riddlesdown Quarry, Purley , CLC <i>Andrew Scott</i>	26	2000
TQ308628	Roundshaw Downs, Wallington , Sutton BC <i>Dave Warburton, Peter Trew, Peter Wakeham</i>	22	2007
TQ004718	Runnymede, Egham , NT <i>Cathy Clarke</i>	18	2014
SU983555	Smarts Heath , Woking BC <i>Howard Street</i>	9	2006
TQ353683	South Norwood CP , Croydon BC <i>Malcolm Bridge</i>	17	1998
SU913327	Swan Barn Farm, Haslemere , NT <i>Matt Bramich</i>	18	2002
TQ344726	Sydenham Hill Wood & Cox's Walk , LWT <i>Daniel Greenwood & volunteers</i>	15	2010
SU907405	Thursley Common , Natural England <i>Doug & Penny Boyd</i>	19	2013
SU869488	Tice's Meadow, Badshot Lea , Blackwater Valley Countryside Partnership <i>Lindsay Patterson</i>	21	2014
TQ233630	Warren Farm, Ewell , Woodland Trust <i>Peter Camber</i>	24	2014
TQ230728	Wimbledon Common , Commons Conservators <i>Gay Carr</i>	21	2005
SU926403	Witley Common , NT <i>Mike Lawn</i>	21	2005

Management abbreviations: BC-Borough Council; CLC-City of London Commons; CP-Country Park; LNR-Local Nature Reserve; LWT-London Wildlife Trust; NT-National Trust; SWT-Surrey Wildlife Trust; WWT-Wildfowl & Wetlands Trust

Surrey transects: top single count in each week

Week number	1	2	3	4	5	6	7	8	9	10	11	12	13
2014	APRIL					MAY				JUNE			
	1	8	15	22	29	6	13	20	27	3	10	17	24
	1	8	15	22	29	6	13	20	27	3	10	17	24
	1	8	15	22	29	6	13	20	27	3	10	17	24
Peacock	21	15	18	9	12	11	9	4	4	4	3	1	1
Brimstone	19	26	32	32	52	24	48	22	13	21	15	24	6
Small Tortoiseshell	10	6	5	5	4	2	6	2	3	3	10	12	13
Comma	9	4	2	2	2	3	2	1	2	1	3	14	8
Green-veined White	5	5	6	18	14	5	9	5	4	1	4	2	5
Orange-tip	4	14	15	15	11	4	7	2		1	1	2	
Small White	3	13	8	12	15	6	8	9	5	4	7	7	19
Speckled Wood	2	12	14	6	17	12	9	20	23	17	13	16	13
Red Admiral	1	1	1	1	1	1	1	2	2	2	2	4	5
Holly Blue		2	4	2	5	4	2	1	1	1			1
Grizzled Skipper		2	4	2	4	4	7	7	6	6	2	2	
Large White		2	2	4	3	3	3	5	3	3	2	2	4
Dingy Skipper		1	11	8	30	21	20	21	12	8	5	2	1
Green Hairstreak		1	5	6	4	2	5	4	3	3	2	1	
Small Heath			1		8	26	22	17	13	20	30	28	40
Small Copper				2	3	2	4	6	5	2	3	2	3
Common Blue					1	3	28	35	30	30	19	14	7
Glanville Fritillary						11	12	6	1				
Brown Argus						2	17	10	9	9	4	6	5
Adonis Blue							16	8	3	1	2		
Small Blue							8	12	24	22	10	19	3
Meadow Brown							2	1	3	4	32	94	136
Large Skipper							1	1	2	8	22	48	27
Painted Lady								1					
Silver-studded Blue										16	70	43	71
Marbled White										2	12	132	209
Ringlet											30	107	245
Small/Essex Skipper											4	6	28
Small Skipper											3	9	18
Essex Skipper											3	2	2
Dark Green Fritillary											2	32	39
White Admiral											1	5	2
Silver-washed Fritillary												3	8
Chalkhill Blue													2
Gatekeeper													1
Clouded Yellow													1
Purple Emperor													1
Grayling													
Purple Hairstreak													
Silver-spotted Skipper													
Brown Hairstreak													

White-letter Hairstreak, Wood White: NO transect records

14	15	16	17	18	19	20	21	22	23	24	25	26	2014
JULY				AUGUST				SEPTEMBER					
1	8	15	22	29	5	12	19	26	2	9	16	23	
1	8	17	21	8	3	1	4	2	3	5	1	1	Peacock
4	7	8	22	8	5	3	3	14	12	6	5	8	Brimstone
10	7	2	2	3	3	3		1	1	1	2	1	Small Tortoiseshell
9	14	6	9	7	3	4	2	2	4	2	3	3	Comma
9	15	16	14	12	6	9	6	6	12	4	1	3	Green-veined White
													Orange-tip
19	43	21	28	15	13	15	11	13	12	9	2	7	Small White
8	12	16	14	14	21	21	19	24	31	25	19	20	Speckled Wood
5	2	3	7	3	3	6	2	2	5	3	2	4	Red Admiral
2	3	2	3	4	6	3	1	2	1				Holly Blue
													Grizzled Skipper
13	9	9	15	7	3	4	5	4	4	3	1	3	Large White
			2		1								Dingy Skipper
													Green Hairstreak
34	45	11	9	5	8	7	9	23	32	27	16	11	Small Heath
8	3	6	4	6	5	3	5	2	4	6	7	5	Small Copper
11	9	14	43	75	89	64	85	47	35	11	7	6	Common Blue
													Glanville Fritillary
4	9	10	6	11	11	7	22	7	10	6	8	1	Brown Argus
													Adonis Blue
3			3	2	2	1							Small Blue
211	225	234	241	179	169	143	126	79	55	35	24	24	Meadow Brown
58	43	37	31	10	19	2	3		2				Large Skipper
2	1	1	1					1				1	Painted Lady
37	34	9	4	3									Silver-studded Blue
201	105	65	28	83	2								Marbled White
286	147	80	39	103	6	3	2						Ringlet
94	180	214	86	22	5	2							Small/Essex Skipper
56	59	96	5	23	2	2	1						Small Skipper
7	5	6	5	3	2								Essex Skipper
34	11	11	8	3	1	1							Dark Green Fritillary
	4	2	3	1									White Admiral
5	9	11	18	7	10	9	2	1					Silver-washed Fritillary
19	66	301	614	757	323	130	41	12	8	3	1		Chalkhill Blue
10	46	215	248	201	67	20	31	10	18	6			Gatekeeper
1		2		3	1	5	2	1			3	1	Clouded Yellow
1													Purple Emperor
2	9	1	13	27	17	17	7	8	8	4	1		Grayling
	5	1	2	3					1				Purple Hairstreak
		6	23	34	27	23	16	4	4	2			Silver-spotted Skipper
		2			1	1			2	1	1		Brown Hairstreak

Top single count 2014 red: 21st-century top				Top count 2000-13
	Date	Site		
Chalkhill Blue	Jul 29	Denbies Landbarn	757	3,308
Ringlet	Jul 2	Park Downs	286	412
Gatekeeper	Jul 22	Park Downs	248	230
Meadow Brown	Jul 24	Kenley Common	241	846
Small/Essex Skipper	Jul 16	Warren Farm	214	450
Marbled White	Jun 24	Box Hill Dukes	209	190
Small Skipper	Jul 16	Swan Barn Farm	96	156
Common Blue	Aug 7	New Hill, Coulsdon	89	127
Silver-studded Blue	Jun 25	Fairmile Common	71	268
Large Skipper	Jul 3	Norbury Park grassland	58	54
Brimstone	Apr 30	Park Downs	52	43
Small Heath	Jul 8	Quarry Hangers	45	123
Small White	Jul 13	Morden Hall Park	43	82
Dark Green Fritillary	Jun 26	Box Hill Viewpoint	39	37
Silver-spotted Skipper	Aug 3	Box Hill Dukes	34	99
Speckled Wood	Sep 7	Morden Hall Park	31	79
Dingy Skipper	Apr 30	Denbies Landbarn	30	53
Grayling	Jul 30	Chobham Common NE	27	56
Small Blue	Jun 1	Howell Hill	24	129
Brown Argus	Aug 20	Hill Park	22	67
Peacock	Apr 1	Holmwood Common	21	32
Green-veined White	Apr 24	South Norwood CP	18	41
Silver-washed Fritillary	Jul 25	Box Hill Zig Zag	18	40
Adonis Blue	May 16	Denbies Landbarn	16	600
Large White	Jul 26	South Norwood CP	15	147
Orange-tip	Apr 16	South Norwood CP	15	17
Small Tortoiseshell	Mar 16	Riddlesdown Common	15	47
Comma	Jul 09	Hill Park	14	15
Glanville Fritillary	May 14	Hutchinson's Bank	12	6
Small Copper	Jul 4	Mitcham Common	8	61
Essex Skipper	Jul 2	Priest Hill	7	66
Grizzled Skipper	May 16	Denbies Landbarn	7	12
Red Admiral	Jul 27	Morden Hall Park	7	12
Green Hairstreak	Apr 24	Blatchford Down	6	16
Holly Blue	Aug 9	Bealeswood Common	6	18
Clouded Yellow	Aug 13	Brockham Limeworks	5	9
Purple Hairstreak	Jul 14	Ashtead Common	5	29
White Admiral	Jun 17	Epsom Common	5	19
Brown Hairstreak	Jul 16	Horton CP	2	2
Painted Lady	Jul 1	Farthing Downs	2	148
Purple Emperor	Jun 29	Ashtead Common	1	2
White-letter Hairstreak		Wingate Hill		3
Wood White		Oaken Wood		18

Moth events 2015

Paul Wheeler

Many dates are still to be arranged, and some are deliberately not finalised until even the morning of the event. Please check for updates on our website:

butterfly-conservation.org/surreymoths

Best of all, join Paul Wheeler's Moth-ers contact list (see inside-back).

■ Sturdy footwear, warm clothing and a **TORCH** are recommended.

APRIL

16 Thu **19.45-21.45 Manor Farm**, Byfleet TQ0688760897 KT14 7RY:
enter site from Mill Lane and meet at first crossroads. £3;
book with SWT: 01483 795460 **Dick Alder & SWT Ranger James Herd**

MAY

11-20 **Brooklands Community Park** TQ065615 KT14 6HJ:
park off Sopwith Drive roundabout.
Clandon Wood Natural Burial Reserve TQ048512, GU4 7TT:
north side of A246, 300m east of A247.

JUNE

9-12 **Merrow Downs**

15-19 **Brooklands Community Park** (see above)

19 Fri **21.00-0.00 Riverside Park**, Burpham TQ010526 GU4 7ND, Bowers Lane
car park off Clay Lane. Book with Guildford BC: 01483 444718,
countryside@guildford.gov.uk **Paul Wheeler**

JULY

11 Sat **Clandon Wood Natural Burial Reserve** (see above). Recorders' meeting:
moths caught the previous night will be shown in the morning.

16 Thu **20.45-0.00 Pewley Down**, Guildford TQ005490 GU1 3SN: top of Pewley
Hill. Book with Guildford BC (see above) **Paul Wheeler**

22 Wed **Brooklands Community Park** (see above).
Joint event with Elmbridge Natural History Society.

26 Sun **Juniper Hall BioBlitz**, Dorking TQ172526, RH5 6DA:
moths caught previous night will be shown in morning.
see www.field-studies-council.org/centres/juniperhall

AUGUST

11-13 **Heathland**, north of Guildford, details to be finalised: we will choose just
one of these three nights. Book with Guildford BC (see above)

Goat Moth Sarah Bunce

THE scarce Goat Moth has a fearsome larva with the longest larval stage of any British moth. It feeds for up to four years, grows to 10cm in length and is said to emit a strong smell of male goat.

It feeds on the heartwood of broad-leaved trees, boring deep into the trunk, creating thumb-sized holes seeping with sap and sawdust. The female moth will frequently lay eggs on trees that already host larvae and a tree may end up accommodating several. The infestation will weaken and eventually kill the tree and you may notice it has less foliage than nearby specimens.

On Chobham Common last September I came across such a tree. I knew they existed as I had been assigned a project to mark known trees, but had so far found it difficult to identify them.

Tipped off about a possible hornets' nest in a birch tree, I went looking for the tree in question and found, not a hornets' nest, but a Goat Moth tree. The bleeding sap was attracting an array of other insects including all sorts of flies, hornets and wasps, and the number of Red Admirals and Graylings fluttering around the tree was almost magical. Then, while I pondered the strong smell of fermentation, a rarely seen larva suddenly appeared and made its way at high speed across the path! It was a seriously impressive creature, though I can't say I noticed essence of goat!

If you see a tree that fits the description of a Goat Moth tree, please do let us know as we would like to make sure they are retained. And do keep an eye out in late summer when you may be lucky enough to see the larvae emerge in search of pupation sites.

- More details: butterfly-conservation.org/files/1.goat-moth-species-factsheet.pdf
- A version of this article first appeared on surreywildlifetrust.org/blog when Sarah was Voluntary Trainee Ranger for SWT Trust North Area Team. In Nov 2014 she joined the Blackwater Valley Countryside Partnership as Casual Assistant Ranger.



Goat Moth tree and sawdust on Chobham Common.

Below: larva seeks place to pupate. SB



Macro-moth Atlas Dr Zoë Randle & Richard Fox

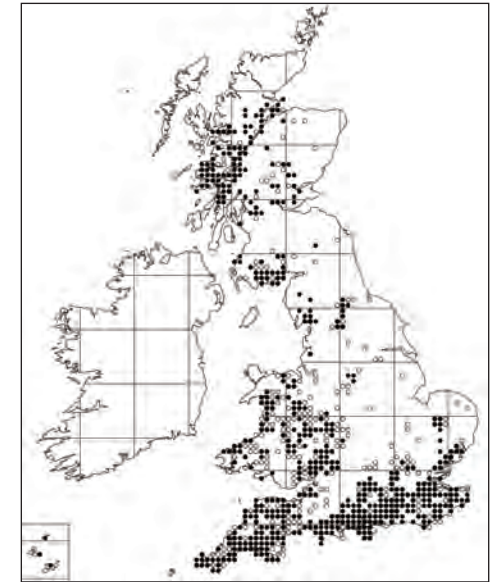
BUTTERFLY Conservation would love butterfly recorders to record day-flying moths and moth caterpillars. In 2018, in collaboration with MothsIreland, we will publish a Macro-moth Atlas for Britain and Ireland. The majority of moth recorders use light-traps and, as a result, the many species of day-flying moths may be relatively under-recorded compared to nocturnal ones.

The National Moth Recording Scheme run by Butterfly Conservation will provide the UK moth data for the forthcoming atlas. The scheme already holds over 17.3m moth records and geographical coverage of the UK, Channel Islands and Isle of Man at 10km resolution is very good (97% have at least one moth species recorded). There are only 113 10km squares for which we do not have any records from the year 2000 onwards. However, in addition to these, there are 613 10km squares which we consider to be under-recorded – they possess 50 or fewer records of 25 or fewer species. You could really help by targeting these unrecorded or under-recorded squares for moth sightings during your butterfly recording.

To find out what 10km squares, or tetrads, are under-recorded in your area please contact Surrey County Moth Recorder Graham Collins (see inside-back). If you wish to venture further afield, the list of County Moth Recorders is on www.mothscount.org.

Many transect walkers already record moths. In 2013, the UK Butterfly Monitoring Scheme (BMS) team extracted moth records for 109,485 individuals of 123 species, with 13,622 records from 403 sites. The five most frequently recorded species (in descending rank order) were Silver Y, Six-spot Burnet, Cinnabar, Burnet Companion and Speckled Yellow. Participants in the Wider Countryside Butterfly Survey are also encouraged to record day-flying moths. Casual records are best submitted to the County Moth recorder on an annual basis by the end of the year. Your help will be very gratefully received.

■ Dr Zoë Randle: BC Surveys Officer; Richard Fox: Head of Recording



Speckled Yellow: provisional distribution map at 10km resolution.

Circles pre 2000 records; solid dots 2000+

First Person

Focus on a branch personality

CLIVE HUGGINS, committee member since Feb 2014

THE first evidence that entomology might have an attraction came early on when, to my mother's horror, I entertained my baby brother by putting a jam jar of angry bumblebees into his pram. Brought up in Hampstead, I made the Heath at the end of our road my territory to explore and find bugs.

My real interest in butterflies commenced at the age of six when a doctor friend of my parents showed me his butterfly collection and encouraged this with a book plus setting-board. From then on I always had a net and never went on holiday without it.

My professional involvement with insects began when I joined the Entomology Department of the Natural History Museum, where I worked for 10 years. Moving to the butterfly section, I prepared new specimens for identification and reorganised sections of the vast collection according to the latest nomenclature.

The Museum was full of eccentric characters, one of whom was the remarkable Miriam Rothschild, whose uncle had formed Tring Museum. She was a frequent visitor, sometimes in her amphibious car after driving down the Thames. I made trips to Tring in preparation for transferring the remaining butterflies to London.

I had the chance to go on expeditions to East Africa and Belize, where I collected new insect species. My behavioural and biological discoveries were published in scientific journals and led to an invitation to join the Royal Entomological Society as a Fellow. Incidents on a side-trip to Tanzania included a long-distance bus journey with a band of Maasai hiding their spears under the seats; being arrested as a spy and put in a police cell; and having to run from an elephant after disturbing it with my net.

With Professor Dick Vane-Wright I initiated the first comprehensive taxonomic catalogue of butterflies of any major tropical region (Africa), covering 14,000 names and involving much detective work.

I left the Museum to assist Cyril Clarke, President of the Royal College of Physicians, with his study of mimicry in butterflies in East Africa. Joining the Mountain Club of Kenya gave me opportunities to survey high-altitude insects.

In a lateral career move I joined Stanley Gibbons collectables investment section and transferred to their New York office. This led to work in more traditional investment, with retraining in business and finance, which is the field I continued in on my return to the UK.

Fascinated by marine life, I am now an advanced scuba-diver. Highlights include sharks in Cuba, cenotes in Mexico and a WW2 wreck in Indonesia. I always maintained my interest in entomology and in recent years have used my contacts around the world to assist zoologists and researchers on various projects.



Branch Committee

butterfly-conservation.org/surrey

Chair: David Gardner (first elected 2008)

Branch Contact & Oaken Wood Manager: Malcolm Bridge (1999)

Conservation Adviser: Ken Willmott (1995)

County Butterfly Recorder: Harry Clarke (2013)

Editor of Surrey Skipper & Publicity Officer: Francis Kelly (2012)

Events Organiser: Phil Boys (2000)

Field trips Organiser: Mike Weller (1997)

Fundraising Officer: David Gradidge (1995)

Membership Secretary: Richard Bance (2014)

Moth Officer: Paul Wheeler (2006)

Secretary to the Committee: Kirstie Banham (2012)

Treasurer: Peter Camber (2011)

Webmaster: Francis Kelly (see above), assisted by Ken Owen

Wider Countryside Butterfly Survey Coordinator: Harry Clarke (see above)

Committee member: Geoff Eaton (2008)

Committee member: Clive Huggins (2014)

Other Surrey contacts

Transect Coordinator: Bill Downey, assisted by Francis Kelly (see above)

Moth Recorder: Graham Collins

BC Senior Regional Officer – South East: Steve Wheatley (Mar 2015)