05 November 2014

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#### Notes and Views - a Retrospective

#### Vince Massimo and Peter Eeles

**Abstract:** This edition of Notes and Views provides a retrospective of interesting items posted on UK Butterflies and other media before 1st October 2014.

#### Second brood White Admiral (Limenitis camilla)

September 2014 (Source)

There were several reports of 2nd brood White Admiral (*L. camilla*) in September and were reported in Dorset, Essex, Suffolk and Isle of Wight on 15th September here by Richard Fox, in Surrey here by Richard Fox and in Sussex here by Bill Stone.



White Admiral (library image)
Photo © Peter Eeles

#### Large White (Pieris brassicae) larva surviving parasitism

22 September 2014 (Source)

Mike Skittrall reared several Large Whites (P. brassicae) and noticed that some were parasitised by Apanteles glomeratus.







Photo © Mike Skittrall

This type of parasitism typically leads to certain death but this particular larva was observed, seemingly alive and well. Mike observes that "I have watched the grubs emerging from larva several times now and it would appear that rather than eat their way out, they emerge through the spiracles along the larva's side, which it breathes through. The skin is therefore not punctured so, as long as there is no damage to the internal organs, perhaps survival is possible".



Photo © Mike Skittrall

### Hibernating Peacock (Aglais io) under corrugated iron

04 September 2014 (Source)

Pauline Richards came across some Peacock (A. io) on heathland, hibernating in an unusual place; under corrugated iron.



Peacock hibernating under corrugated iron
Photo © Pauline Richards

#### Third brood Small Tortoiseshell (Aglais urticae)

31 August 2014 (<u>Source</u>)

"jackz432r" has posted an image of a very late Small Tortoiseshell (A. urticae) larval web.



Third brood Small Tortoiseshell larval web

### Second brood Peacock (Aglais io)

24 August 2014 (Source)

"jackz432r" has posted an image of a second brood Peacock (A. io) larval web.



Second brood Peacock larval web

### Ovipositing Map (Araschnia levana) near Swanage, Dorset

09 August 2014 (<u>Source</u>)

Pauline Richards visited the site of an unauthorised release of Map (A. levana) butterflies near Swanage in Dorset and took a sequence of photos showing a female laying the characteristic strings of eggs.



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards







Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards



Photo © Pauline Richards

# Purple Emperor (Apatura iris) larva emerging from egg

03 August 2014 (<u>Source</u>)

Guy Padfield took a nice series of photos, and a video, showing a Purple Emperor (A. iris) larva emerging from its egg.



Photo © Guy Padfield



Photo © Guy Padfield



Photo © Guy Padfield



Photo © Guy Padfield



Photo © Guy Padfield



Photo © Guy Padfield









Photo © Guy Padfield

Photo © Guy Padfield

Photo © Guy Padfield



Photo © Guy Padfield

#### Wild purple emperor caterpillar eating its eggshell

Video © Guy Padfield

## Multiple Small Skipper (Thymelicus sylvestris) egg batches

24 July 2014 (<u>Source</u>)

Peter Eeles visited Stockbridge Down and found 17 Small Skipper (T. sylvestris) eggs in a single grass sheath, which are believed to be at least 4 separate egg batches laid by different females.



Photo © Peter Eeles



Photo © Peter Eeles

#### Scarce Tortoiseshell (Nymphalis xanthomelas) sightings

July 2014 (Source)

The event of 2014 was surely the appearance of several Scarce Tortoiseshell in the British Isles.



Norfolk, July 2014 Photo © Perry Fairman

#### Emergence of continental Swallowtail (Papilio machaon ssp. gorganus) in Britain

30 May 2014 (Source)

The following is an extract from Neil Hulme's diary on the UK Butterflies website:

The big story of 2014, which is still developing, is the emergence of gorganus (Continental subspecies) Swallowtails on British soil, following an influx of these magnificent insects during the summer of 2013. The discovery of resultant larvae and pupae in Sussex gardens and further afield has been well documented ('Supplement Three to A Complete History of the Butterflies and Moths of Sussex', Pratt (2014); 'The Sussex Butterfly Report 2013', Colvin et al. (2014); UK Butterflies website) and we waited with bated breath to see if *gorganus* would emerge in Sussex for the first time since 1948; it did!

So far this year, Continental Swallowtails have been seen in Hampshire and along the Kent and East Sussex coasts, but most of the observations have focused on 9 pupae being monitored in a Chichester (West Sussex) garden, about half of which have now flown the coop, bringing the total of known adult specimens on the wing to about 10. In order to honour the privacy of the owners, access to these insects has been very restricted, leaving them tantalisingly out of reach. But common sense dictates that these butterflies must represent just 'the tip of the iceberg', and many more must be present in Southern England.

Yesterday afternoon (29th May) I made my third visit to a very promising looking area of semi-urban 'wasteland' (with a public right of way running across it), close to the superstores on the outskirts of Chichester. This was one of several areas around Chichester which I had earmarked using satellite imagery and then followed up on foot, confirming an abundance of food-plants in suitable habitat.

As with the Long-tailed Blues last year, it is a great feeling when a hunch (and a lot of groundwork) pays off, so I was positively euphoric when I spotted this giant within ten minutes of arriving, just as the sun started to break through the cloud. At present I have no way of knowing, and perhaps never will, whether this is one of the insects which has emerged from the monitored garden, which lies just over 1 Km away. My gut feeling is that it isn't, and that more will appear here and elsewhere.



Photo © Neil Hulme



Photo © Neil Hulme



Photo © Neil Hulme



Photo © Neil Hulme

#### Size of a tachinid fly in relation to its host

08 May 2014 (Source)

The following is an extract from Vince Massimo's diary on the UK Butterflies website:

Last October I collected all of the remaining Small White larvae from my garden Nasturtium and reared them on. Had I not done this they would not have survived the approaching cooler conditions. All pupated towards the end of October 2013, but one started to show some brown discolouration at the beginning of April 2014. On 8th April a parasitic grub emerged from the butterfly chrysalis and pupated. An adult Tachinid fly emerged on 30th April, which has now been confirmed (by the Natural History Museum) as being *Epicampocera succincta*, a classical parasitoid of Pierid butterflies.



Photo © Vince Massimo

#### Brimstone (Gonepteryx rhamni) courtship

07 May 2014 (Source)

An incredible series of images of the Brimstone courtship was taken by Dave Browne. The images show the male being rejected by the female before they both "crashed into the undergrowth".



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



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Photo © Dave Browne



Photo © Dave Browne



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Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne



Photo © Dave Browne

### Brown Hairstreak (Thecla betulae) larva emergence

19 March 2014 (<u>Source</u>)

A series of images by Mike Skittrall, showing the emergence of a Brown Hairstreak (*T. betulae*) larva from its egg before moving to (and entering) a nearby Blackthorn bud.



Photo © Mike Skittrall



Photo © Mike Skittrall

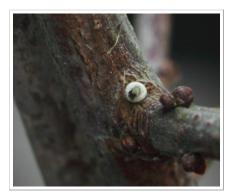


Photo © Mike Skittrall





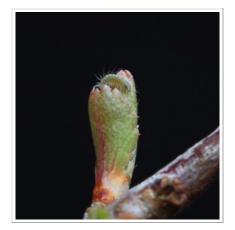


Photo © Mike Skittrall

Photo © Mike Skittrall

Photo © Mike Skittrall

### Orange-tip (Anthocharis cardamines) pre-pupation larva showing wing structures

01 December 2013 (Source)

William Langdon has photographed a pre-pupation Orange-tip (*A. cardamines*) larva that exhibits the structures associated with the development of the wings in the second and third thoracic segments.





Photo © William Langdon

Photo © William Langdon

#### Mating British Long-tailed Blues (Lampides boeticus)

03 October 2013 (Source)

"Butterflysaurus rex" posted on UK Butterflies what are possibly the first photos of a mating pair of Long-tailed Blues (*L. boeticus*) on British soil.





### Geranium Bronze (Cacyreus marshalli) sighting at Peasmarsh, East Sussex

05 September 2013 (Source)

A Geranium Bronze (C. marshalli) was seen by Gordon Jarvis in his garden at Peasmarsh, East Sussex.



Photo © Gordon Jarvis

### Geranium Bronze (Cacyreus marshalli) sighting in Liverpool

16 August 2013 (Source)

A Geranium Bronze (C. marshalli) was seen by "red dog" at Menlove Avenue allotments in Liverpool.





## Large White (Pieris brassicae) laying on pea plant

05 August 2013 (Source)

Mike Skittrall watched a Large White (P. brassicae) egg-laying on a pea plant; an unusual choice for this species.







Photo © Mike Skittrall

## Red Admiral (Vanessa atalanta) ab. bialbata correspondence

28 February 2012 (Source)

The definition of this Red Admiral (V. atalanta) aberration is characterised by a white spot in the red bands on the forewings. Mike Flemming has researched some of the correspondence leading up to the description of this aberration and translations can be found here.



Red Admiral ab. *bialbata*Photo © Vince Massimo

### Differentiating male and female Large Skipper (Ochlodes sylvanus) based on their antennae

13 June 2011 (<u>Source</u>)

Pauline Richards made a very interesting observation in the Large Skipper (*O. sylvanus*) as follows: "Colour of antennae does not appear in reference manuals as determining sex of this species. However, looking at my photos it seems apparent that females have totally black tips to their antennae whilst males clearly have orange on the inside of the tip and black on the outside".



Male and female Large Skipper Photo © Peter Eeles