Volume numbers are separated from page numbers by a colon, e.g. 79:8.

Volume:page numbers for maps and photos are in italic. Illustrations are also in italic, with the suffix '*i*'; tables with '*t*'. Titles of books and reports are in italic.

Photos and illustrations are of adult butterflies and moths unless stated otherwise. Headings relate to butterflies unless stated, e.g. 'overwintering'

A14

corridor for Small Ranunculus moth 52:11

project, Newmarket 70:7–8, 73:21, 78:8, 81:6–7

aberrations *76*:*27*, 86:12, 86:13–*15*

Brown Argus *58:2*, 58*:*9, 60*:*33, *60:35*, *76:12*, 79*:*26, *79:31*, 80*:*22, *80:27*, *81:25*, *86:14*, *88:2*

Chalkhill Blue 56:25, *56*:*27*, 72:11

Clouded Yellow *59:1*, 59*:*8, *59:24*

Comma *52*:*32*, *58*:*2*, 58:9

Common Blue *52:32*, *69:24*, *76:27*, *86:15*

Gatekeeper *86:14*

Green Hairstreak *55:2*, 55*:*11, *86:14*

Meadow Brown *86:14*

melanism and recessive genes 76:12

Orange-tip *76:27*, *86:13*

Purple Hairstreak *85:24*

Ringlet *55:2*, 55*:*11, *86:13*

Silver-studded Blue *82:19*

Silver-washed Fritillary *64:2*, *74:28*, *76:27*

Small Copper 51:14, *51*:*23*, 53:21, 56:22, *67*:*2*, 67:10, *76*:*27*, *86*:*14*, 86:16

Small Tortoiseshell *61:2*, 61*:*3, *85:8i*

White Admiral *80:27*

accounts

2009-10 50:11

2010-11 52:28

2011-12 56:20–21

2012-13 58:12

2014-15 65:7

2016-17 71:7

2017-18 74:7

2018-19 77:8

Achieving Aspirations CIC 85:29

acidity, Purdis Heath 63:19

ActivLives 69:19

*Adela reaumurella* (Green Long-horn) *78:39*

Adonis Blue (*Polyommatus bellargus*) *51*:*23*, 53:20–21, 69:21, *82*:*16*, 82:16–17

Adopt-a-Square (AaS) 60:12

Aegean Meadow Brown (*Maniola chia*) *54:23*

African Monarch or Plain Tiger (*Danaus chrysippus*) 56:10–11, 68:19

African Swallowtail (*Papilio dardanus*) 73:14

Aldeburgh *see* North Warren, Aldeburgh; Prior's Oak, Aldeburgh; Sailors' Path, Snape

Alder Buckthorn (*Frangula alnus*)

breeding Brimstones 76:15

*see also* Brimstones and Buckthorn (project); buckthorns (*Rhamnaceae* spp*.*)

Alder Moth (*Acronicta alni*) *82:24*

Alkanet (*Pentaglottis sempervirens*) *68*:*1*, 68:8–9

Alton Water 58:13–14

AmazonSmile 80:9, 86:37

Amick, Rohan 74:18

Amor, Nick

butterfly hunting 85:20–22, 88:6–9

Clouded Yellow *85:21*

Dingy Skipper *87:28*

Heath Fritillary *88:8*

Lulworth Skipper *88:7*

Swallowtail *85:20*

Wall Brown *85:21*

White Admiral *85:21*

White-letter Hairstreak *88:8*

Amor, Rosalind 78:37, *79*:*15*, *79*:*17*, 79:19–20

Andalucía, Spain 86:23–25

*Angelica gigas (*Purple Angelica) 73:17

Angles Way, Wall Brown survey 64:18

anniversary cakes *74*:*2*, 74:6

ants (*Lasius* spp.) *77:18*

Kelling Heath 61:18–19

Orange-tip and Garlic Mustard 64:9

Purdis Heath 50:6, 63:19

Apollo (*Parnassius apollo*) 50*:*23, 77*:*25, 81*:*12, *81:12*

*Arabis* spp. 73:18

arable farming, and dearth of butterflies 55:17

Arctic Woolly Bear Moth (*Gynaephora groenlandica*) 83:23

Arger Fen, Bures 54:16

Arnside Knott, Cumbria 58:20

Ash Bud Moth (*Prays fraxinella*) 81*:*8–9, *81:9*, *87:25*

dispersal 87:25

Ash dieback (*Hymenoscyphus fraxineus*) 79:27, 81:8–9

Ashton, Joel and Jim 79:27

*Astata boops* (wasp) *67:23*

Atlas Moth (*Attacus atlas*) *80:28*

*Atlas of Britain and Ireland's Larger Moths* 77:26

*Aubret(i)a* spp. 73:18

Avaaz (campaign network) 53:22–23

B-lines (Buglife project) 68:6

Back from the Brink (Shifting Sands project) 71:9

Backshall, Steve *51*:*2*, 51:11

Bacon, Louise 62:10–11

Bagworth, Tim *59:24*

*Balancing the Scales* (art quilt by Marie Stewart) *50*:*1*, 50:3

Balkan Marbled White *(Melanargia larissa*) *55:27*

Balkan Zephyr Blue (*Kretania sephirus*) *59:23*

Balsham Wood, Cambridgeshire, Purple Emperor survey 60:21, 60:29, 60:30

Bamford, Michael *76:27*

BAP priority species

distribution maps *84:25–27*

flight periods *84:23–24*

Purdis Heath 65:13

Sizewell 75:18

BAP priority species (annual butterfly reports)

2011 54:7–8

2012 57:6–7

2013 60:9–10

2014 *63*:*2t*, 63:11–15

2015 66:11–16

2016 69:9–15

2017 72:12, 72:13–19

2018 75:11–12

2019 78:10, 78:32–37

2020 81:17–19

2021 84:16–18

Barker, Patrick *86*:*7*, 86:7

Barkham, Patrick, *Butterfly Isles* review by Richard Stewart 54:15–16

Basham, David 63*:*18, *65:2*

Clouded Yellow larva *71:2*

Clouded Yellow, Purdis Heath 71:20

Green Hairstreak larva *64*:*2*, 64:11

Holly Blue eggs *66:32*

Purdis Heath 67:20–22

Purdis Heath species list 65:13

*Basking on Bark* (art quilt by Marie Stewart) 65*:*22, *65:23*

bats, and fallen moth wings *82:24*

Bawdsey 54:11, 55:9, 61:10

Bay (*Laurus nobilis*), and Holly Blue *66:32*

"BB" (D. J. Watkins-Pitchford) 85:17–18

Beacon, Martin 65:15

Beaumont, Alan 71:23, *73*:*2*, 73:11, *76*:*2*, 76:6

Beaumont, Mandy and Steve 79:9

Beccles 81:25

*Lycaenidae* sightings 86:15–16, 88:17

Beccles Marshes 64:18

Beddingham Hill, Sussex 56*:*24–25, *56:27*

Bedfordshire

Bison Hill, Dunstable 85:22–23

Totternhoe 51:9, 76:10–11

bedstraws (*Galium* spp.) 65:18

Bee, Roland and Frances 85:9

Bee-wolf (*Philanthus triangulum*) *67:23*

Beebee, Trevor, *Climate Change and British Wildlife* 77:26

bees

neonicotinoid insecticides 53:22–23

species at Purdis Heath 67:21–22

Bell Heather (*Erica cinerea*), Purdis Heath 50:6, 59:9, 63:18, 67:20

Belstead, nature reserves 70:10–11

Bentley, Ross *73*:*2*, 73:12–13, 76:18–19

Bentley, Old Hall Wood *55*:*2*, 55:12, 60:26

Berry, Matt

Brimstone *52:1*

butterflies in Greece *55:27*, *65:23*

butterfly photography 52:21–22

Common Blue *53:32*

grass management project, Ipswich 53:16–17

Orange-tip *53:1*

overwintering 56:14–15

Purdis Heath *52:2*, 52*:*9–10, 53*:*15–16, *53:32*, 56*:*8–9, *67:23*

Purple Hairstreak eggs *56:1*

Red Admiral *55:1*

Rhodes, Greece *50:2*, 50*:*24–25, *52:31*, 54*:*20–22, *54:22*, *54:23*

Silver-studded Blue *61:1*, *67:23*

Silver-washed Fritillary *54:1*

social media 50:12

uploading and sharing photos 55:24

White-letter Hairstreak in Ipswich 52:13

Wild Ipswich 68:14–15

Betchworth, Surrey 53:19–21

Betts, Clive 67:7–8

*Bicycling with Butterflies* (Dykman) 86:30–31

Big Butterfly Count 51:12, 53:7, 54:9, 56:13, 60:10, 65:21

2019-20 statistics *80:20t*

2021 UK species results *83:24t*

Pakenham Water Mill 76:22

binoculars, close focus 56:16

Biodiversity Action Plan (BAP) species *see* BAP priority species

Birdfair 58:16–17

Bird's-foot-trefoil (*Lotus corniculatus*) 64*:*11, 68*:*9, *68:9i*, 88*:*17, *88:17*

A14 project, Newmarket 70:8, 73:21

Bison Hill, Dunstable 85:22–23

Black Hairstreak (*Satyrium pruni*) 71*:*23, *71:23i*

Brampton Wood, Cambs 86:26–28

black holes 52:17, 54:16, 60:12, 75:21–22, 75:24

Black Horehound (*Ballota nigra*) 76*:*14–15, *76:15*

Black Medick (*Medicago lupulina*) 88:15

Black Swallowtail (*Papilio polyxenes*) 63:11, 64:8

Black-veined White (*Aporia crataegi*) 51*:*17, 51*:*18, *54:22*

Blackthorn (*Prunus spinosa*)

Black Hairstreak 86:28

Brown Hairstreak 70:10

Blaxhall Common 59:15–16

Blofield, Jill *86:2*

Blue Morpho (*Morpho peleides*) 61:16

body temperature 79:27

Bonny Wood, Needham Market 64:17, *64*:*23*, *67*:*2*, 67:11

Purple Emperor survey 60:28, 60:29

books, recommended 77:26, 80:24–25, 86:29–31, 87:20, 87:21

Borderick, David *81:27*

Bourn, Nigel 61:14–15, 73:14

Bowles's Mauve *see* Perennial Wallflower (*Erysimum linifolium '*Bowles's Mauve')

Box Hill, Surrey 53:20–21

Box-tree Moth (*Cydalima perspectalis*) *71:2*, 71*:*12, 73*:*15, 80*:*21, *85:28*

dark form *85:28*

larva *71:2*

Bracken (*Pteridium aquilinum*) 55:15

Bradfield St George, Mellfield Wood and Free Wood 60*:*26–27, 60*:*28, 60*:*29, *74:10*

Bradfield Woods 55:21, 85:10–11, 85:18–19, 88:25

Purple Emperor survey 60:22, 60:27, 60:28–29

Brame, Will 60:2

Bramfield 74:11

Brampton Wood, Cambridgeshire 86:26–28

Brewer, Jo, *Wings in the Meadow* 86:30

Brewster, Mark 85:22–23

books on Monarchs 86:29–31

Brimstone *87:1*

Common Blue *74*:*28*, 79:10

Grayling *88:2*

Heath Fritillary *84:1*, *84:29*

Holly Blue *81:23*

Marbled White *74:2*, *74:13*

Northfield Wood 82:11, 88:23–25

Pakenham Water Mill, Wildlife Days 87:27

Pakenham Wood *82:12–13*

Peacock *88:26*

Purdis Heath visit *88:22*

Purdis Heath work parties *86:32*, *86:33*, *87:26*

Purple Hairstreak *82:13*

Red Admiral *74:28*, *80:27*

Silver-studded Blue *88:22*

Small Copper *79:31*, *82:13*

Small Heath *79:32*

Small Tortoiseshell *79:1*

Thurston leaflet drop *88*:*20*, 88:20

wildflower meadows 88*:*13–14, *88:13*

Brimstone (*Gonepteryx rhamni*) *52:1*, *53:12i*, *57:2*, *67:13i*, *68:8i*, *71:1*, *76:2*, *76:6*, *78:2*, *86:9*, *87:1*

annual butterfly reports 84:19, 87:11

breeding, from eggs to adults 76:15–16

distribution maps *58:18*, *78:17*, *78:25*

egg to pupation 76:6

eggs and egg-laying *56:2*, 60*:*13, *72:23*, *78:2*, *80:27*

identification guide *85:32*

larvae *56:2*, 60*:*13, *76:2*, *86:11*

*Memorable Moments* (poem by Twm Wade) 67:13

pupae *76:2*, *76:6*, *76:16*

spring behaviour 56:7

*see also* Brimstones and Buckthorn (project)

Brimstone Moth (*Opisthograptis luteolata*) *86:2*, *87:23*

Brimstones and Buckthorn (project) *51*:*2*, 51:10–11, 52:8, 71:5, 76:16

2012 53:12

2013 56:6, 58:18

2014 60:13–14

2017 72:9

2018 72:21

2022 84:8–9, 86:9–*11*

distribution map *58:18*

Halesworth 84*:*9, *84:9*

under-populated areas in east Suffolk 52:3–4

*Britain's Butterflies* (Newland *et al*) 80:24

*Britain's Day-flying Moths* (Newland *et al*) 80:24

review by Tony Prichard 58:17

*Britain's Plant Galls* (Chinery) 80:25

*British & Irish Moths: a photographic guide* (Manley) 83:24

*British and Irish Moths: an illustrated guide to selected difficult species (*Townsend *et al*) 50:20

*British Moths* (Manley) 77:26

Broad-bordered Bee Hawk-moth (*Hemaris fuciformis*) *54*:*2*, 79:9, *83*:*14*, 83:14

larvae *54:2*, 54*:*14, *65:2*

larval leaf damage *54:2*

Brock, Paul, *Comprehensive Guide to Insects of Britain and Ireland* 77:26

Brookes, Andrew 69:18, 69:19

Broom, Debbie 79*:*7, *79:31*, 80*:*10–11, *84:29*

Broom Covert, Leiston 76:22

Brown, Karen *69:24*

Brown, Karen and Robert *62:2*

Brown, Robert *65:1*, *65:2*, 65*:*14–15, *68:1*

Brown Argus (*Aricia agestis*) *53:32*, *61:21i*, *62:12i*, *68:13i*, *74:1*, *79:32*, *80:28*

2018 74:18

aberration with missing spot *76:12*

Beccles 88:17

distribution maps *78:17*, *78:25*

egg-laying *88:15*

feeding periods of larvae, and when to cut grass 79:21

foodplants 88:15

identification guide *85:32*

underwing identification *80*:*2*, 85:32

variations 79:26

Brown Argus (*Aricia agestis* ab. *snelleni* ter Haar) *58:2*, 58*:*9, 60*:*33, *60:35*, *79:31*, 80*:*22, *80:27*, *81:25*, *86:14*, *88:2*

Brown Hairstreak (*Thecla betulae*) 64:8

annual butterfly reports 66:11, 69:9, 75:11, 78:8, 81:20, 87:14

eggs 70*:*10, *79:2*

releases 84:20

Brown Scallop (*Philereme vetulata*), larva *51:2*

Brown-tail (*Euproctis chrysorrhoea*) 50:9, 63:25–26, 66:20

larval nest *50:2*

Browns, and other underdogs, by Kev Ling 87:18–20

Browns, Fritillaries and Aristocrats (*Nymphalidae*), annual butterfly reports 87:12–14

BTO Garden Birdwatch 53:6

*Bucculatrix frangutella* (moth), larva *51:2*

buckthorns (*Rhamnaceae* spp.)

Brimstone caterpillars, etc 86:9–*11*

Brimstone egg-laying, etc 60:13–14, 76:6, 76:15

care and maintenance 56:7, 58:18, 84:8–9

moth larvae *51:2*

for pollinators 72:20

*see also* Brimstones and Buckthorn (project)

buddleias (*Buddleja* spp.) 51:20, *57*:*2*, 57:13–14, 74:23

*Buddleja alternifolia* 59:18, 74:23

*Buddleja* *davidii* 57:13–14, 59:18, 67:7, 74:23

*Buddleja globosa '*Orange-ball' 57:13

*Buddleja* x *weyeriana* 57:13, 59:18, 66:21, 74:23

gap between flowering and butterfly emergence 55:19

White Admiral at Beccles 81:25

Buff-tip (*Phalera bucephala*) *82:28*, *88:26*

Bugle (*Ajuga reptans*) 55:21, 68:9

Buglife

B-lines 68:6

neonicotinoid insecticides 53:22, 53:23

Urban Buzz, Ipswich 68:14, 70:9, 76:18

Bulgaria 85:18

Rhodope Mountains *81:12*

Bumblebee Conservation Trust 53:22–23

Burbridge, Lucy 65:12

Bure Marshes, Norfolk 62:13

Bures/ Bures St Mary 54:16, 70:15

Burgh House Farm 81*:*9–10, *81:10*

Burn, Sandy *81:6*

Burslem, Chris *67:2*

Burton, Annette *84:6*

Burton, John and Jane *87:12*

Bury St Edmunds

Marlow's Home & Garden Centre 75*:*23, *75:28*

transects available 82:8

*see also* Nowton Park

butterflies

fake, in China 73:14

identification guide *85:32*

identification puzzles *62:24*, *85:2*, *85:32*

as omens or spirits 79:27–28

*Butterflies: a natural history* (Warren) 83:24

*Butterflies: a very British obsession* (TV programme), review by Richard Stewart 50:21

Butterflies for the New Millennium (BNM) 84:14

annual butterfly reports 60:10, 63:15, 66:16, 69:15–16, 72:12, 75:12, 78:5, 78:9, 81:15

Butterflies Forever 80:19

*Butterflies in Christchurch Park* (Stewart), review by Peter Maddison 68:16

*Butterflies of Britain & Ireland: a field and site guide* (Easterbrook) 77:26

*Butterflies of Europe for iPhone* (Manley *et al*), review by Simon Spencer 54:19

butterfly art *79:2*

*Butterfly Biology Systems: connections and interactions in life history and behaviour* (Dennis) 80:24–25

Butterfly Brothers 79:27

Butterfly Conservation

AmazonSmile 80:9, 86:37

anniversary cake *74*:*2*, 74:6

background and organisation 59:12

Europe Taxonomy Group 52:19

European Interests Group (EIG) 68:19

fundraising by shopping online 67:19, 80:9

Garden Survey 72:9

guidance on sightings of non-native species 61:14–15

importance of branches 51:9

iRecord Butterflies (app) 57:12

National Moth Recording Scheme 62:22

Plant a Pot for Pollinators project 66:22

Silver-studded Blue, Purdis Heath 50:6

*State of the UK's Butterflies 2015* 65:16, 66:7

Wild Spaces campaign 86:31–32

*see also* Butterflies for the New Millennium (BNM)

Butterfly Conservation - Suffolk Branch

2011 report by Rob Parker 52:6–7

2012 report by Rob Parker 55:7–9

AGM 2013 58:11

AGM 2018 74:6

AGM 2019 77:6–7

AGM 2020-21 and committee roles 80:3

AGM and members' afternoon 2022 86*:*6–7, *86:7*

anniversary cake *74*:*2*, 74:6

chair's report 2019-20 80:7–8

chair's report 2021 82:7–8

Conservation Officer (Butterflies) 84:5

finance 80:7

inaugural meeting 1993 58:5

SNS Conference stand *78:39*

website 53:25, 55:10, 75:7–8

*see also* accounts; Ipswich Heaths Project; moth traps/ trapping - loan scheme; Purdis Heath; Suffolk Butterfly Reports

Butterfly Effect 51:12

butterfly nets 53:18, 56:16

poem by Wilfrid George 54:18

Butterfly Reports *see* Suffolk Butterfly Reports

Buttoned Snout (*Hypena rostralis*) 56*:*12, *56:27*

Bye, Helen 79*:*7, *79:32*

cabbage whites 67:12, 73:15

California, USA, Monarch (*Danaus plexippus*) 85:6

Camberwell Beauty (*Nymphalis antiopa*) 64:6, 86:17

annual butterfly reports 69:8, 72:10–11, 75:11, 84:18, 87:10

distribution map *78:25*

Cambridgeshire 52:18

Black Hairstreak, Brampton Wood 86:26–28

Devil's Dyke, including Chalkhill Blue 59:13, 71:26

moth trapping in fens 82:28–29

Purple Emperor survey, Balsham Wood 60:21, 60:29, 60:30

campions (*Silene* spp.) 79:9

Canary-shouldered Thorn (*Ennomos alniaria*) *82:28*, *86:2*

Carlton Marshes 72*:*18, 74*:*9, 74*:*21, 82*:*14, 83*:*17, *83:18*

Carter, David and Margie *58:1*, *85:10*

casual records/ recording 53:6–7, 60:12, 66:23

Catalonia 70:13

caterpillar fungus 77:25

caterpillars

associative memory and metamorphosis 76:23–24

as food of wasps 73:15

*see also* foodplants, larval; larvae

Catfield Fen, Norfolk 68:20

*Catoptria pinella* (Pearl Grass-veneer) 82*:*12, *85:30*

Cavenham 52:25, 59:13–14

Cavenham Heath 76*:*19–20, *76:28*, 82*:*11–12, 85*:*26–27, *85:26*

*Ceanothus* (Californian Lilac) 88:15–16

Chalkhill Blue (*Polyommatus coridon*) 59*:*13–14, *59:24*, 64*:*8, *64:8i*, *71:27*, *74:8*, *81:7*

A14 project, Newmarket 70:7, 73:21, 78:8, 81:6–7

annual butterfly reports 60:8, 63:9, 66:10, 69:8, 72:11, 78:8, 81:20, 84:15, 84:19–20

Devil's Dyke, Cambridgeshire 71:26

distribution maps *78:18*, *78:25*

Edburton, Sussex 56:23–24

North Downs 55:16

probable aberration *seminigra* 56*:*25, *56:27*

releases 84:20

Chalkhill Blue (*Polyommatus coridon* form *tithonus*) 72:11

Chamberlain, Sarah *87:15*

Chamberlin, Sam *73:24*

Chamonix, France 84:10

Chantry Marsh, Orford 61:20

Chantry Park, Ipswich 69:19

*Chasing Monarchs* (Pyle) 86:29–30

Chelmos Blue (*Polyommatus iphigenia*) *59:23*

Chequered Skipper (*Carterocephalus palaemon*) *65:1*, 86*:*7, *88:2*

children

Big Butterfly Count 51:12

butterfly nets 56:16

Gislingham Primary School 66:29

moth trapping 82:31

Chinery, Michael, *Britain's Plant Galls* 80:25

*Chorinea octauius* *77:28*

Christchurch Park, Ipswich 57:9, 69:20, 71:19, 84:7

*Butterflies in Christchurch Park* (Stewart) 68:16

Claridge, Paul *81:13*, *81:27*

Clearwing moths *73:24*

hand-crafted replicas *84*:*8*, 84:8

*see also* *individual species, e.g. Hornet Clearwing (Sesia apiformis*)

Clement, Patrick *87:22*

Cleopatra (*Gonepteryx cleopatra*) 54:20–21, 63:11

Clifden Nonpareil (*Catocala fraxini*) *77:27*, *86:2*, *88:2*

climate change

colonisation by non-native species 61:14–15

*see also* drought(s); rainfall; weather

*Climate Change and British Wildlife* (Beebee) 77:26

climate extremes, and butterfly population changes 69:5, 85:6–7

Clipper (*Parthenos sylvia*) 66:11

*A close look for an Adonis Blue with a seeing eye* (poem by Ian Whybrow) 84:30

Clouded Yellow (*Colias crocea* f. *helice* ab. *nigra* Aigner) *59:1*, 59*:*8, *59:24*

Clouded Yellow (*Colias croceus*) *58:1*, *59:2*, *59:7i*, *59:24*, *71:28*, *83:18*, *85:21*

aggressive behaviour of male 59:18–19

annual butterfly reports 59:7, 78:7, 81:20, 84:15, 84:18–19, 87:11

Bawdsey 61:10

Carlton Marshes 83:17

distribution maps *59:2*, *78:18*, *78:26*

identification guide *85:32*

larva *71:2*

Purdis Heath 71:20

sex differences 59:8

Coast & Heaths AONB 80:19

Cobalt Designs, Delhi *79:2*

Cocksfoot Moth (*Glyphipterix simpliciella*) *81:32*

*Coleophora conspicuella*, larval case *87:2*

Collard Hill, Somerset 88:9–10

Colossus Orchid (*Ophrys colossaea*) 54*:*22, *54:23*

colouration, in butterfly wings 61:16

comfreys (S*ymphytum* spp.) 68:9

Comma (*Polygonia c-album*) *59:6i*, *66:22i*, *70:2*, *73:19i*, *79:31*, *80:17i*, *81:10*, *86:37i*

distribution maps *78:18*, *78:25*

Kiln Meadow 70:11

larva *70:2*

pupa *70:2*

Comma (*Polygonia c-album* ab. *nov*) *58*:*2*, 58:9

Comma (*Polygonia c-album* ab. *obscura*) *52:32*

Common Birdsfoot (*Ornithopus perpusillus*) *77:18*, *77:27*

and Silver-studded Blue larvae 77:18

Common Blue (*Polyommatus icarus*) *53:32*, *55:14i*, *66:32*, *67:2*, *68:9i*, *69:24*, *70:1*, *74:28*, *77:26i*, *79:30i*, *81:13*, *81:27*

A14 project, Newmarket 73:21

Alton Water 58:13, 58:14

Beccles 88:17

copulating pairs *86:1*

distribution maps *78:18*, *78:25*

feeding periods of larvae, and when to cut grass 79:21

female repelling male 52:12

identification guide *85:32*

Onehouse, Stowmarket 79:10

underwing identification *80*:*2*, 85:32

Common Blue (*Polyommatus icarus* ab. *apicata-supracaerulea*) *76:27*, *86:15*

Common Blue (*Polyommatus icarus* ab. *radiata* Courvoisier) *52:32*, *76:27*, *86:15*

Common Blue *(Polyommatus icarus* ab. *supra-caerulea*) *86:15*

Common Blue *(Polyommatus icarus* ab. *supra-caerulea + albocincta*) *86:15*

Common Box (*Buxus sempervirens*), and Box-tree Moth 71:12

Common Darter (*Sympetrum striolatum*) 59:18–19

Common Fleabane (*Pulicaria dysenterica*) 68:11

Common or Viviparous Lizard (*Zootoca vivipara*) *52:2*

*Commophila aeneana* *63:28*

*Comprehensive Guide to Insects of Britain and Ireland* (Brock) 77:26

confusion species, identification guides *80:2*, *85:32*

connectivity 62:16–17

Connors, Alison 55:21–22

Conservation Officer (Butterflies) 84:5

container gardening 66:22

Convolvulus Hawk-moth (*Agrius convolvuli*) 79*:*9, *79:31*, 82*:*25–26, *82:27*

Cook, Sarah 70:8

Cooper, Wendy 71:8

Coppers, Hairstreaks and Blues (*Lycaenidae*), annual butterfly reports 87:14

coppicing, and Heath Fritillary 64:14

Corley, Phil *53:31*

Corn Marigold (*Glebionis segetum*) *79:15*, 79*:*19, *82:22*

Corncockle (*Agrostemma githago*) *79*:*15*, *79*:*18*, 79:19–20

Cornflower (*Centaurea cyanus*) 55:22, *79*:*15*, 79:19

Corton, James 80:3, 81:14

2021 Butterfly Report 84:13–27

2022 Butterfly Report 87:7–16

Gatekeeper *84:16*

Green-veined White *87:16*

Marsh Fritillary *84:27*

Meadow Brown *88:2*

Orange-tip *84:16*

Painted Lady *84:19*

Speckled Wood *87:7*

Trudie's bench *88:6*

Wall Brown and Small Tortoiseshell *84:13*

White Admiral *87:14*

White-letter Hairstreak *84:18*

Cotley Hill, Wiltshire 51*:*16, *51:23*, 52*:*12, 69*:*21, *69:23*

Country Parks, and Suffolk County Council 52:7

Cowling, Mike *77:27*

Coxcomb Prominent (*Ptilodon capucina*), larva *77:27*

Crab Spider (*Misumena vatia*) *82:22*

Crawford, Mervyn *52:32*, *55:2*

Brimstone *67:13i*

butterfly aberrations 55:11

Gatekeeper *68:11i*

Glanville Fritillary *51:19i*

hill-topping 55:22–23

Holly Blue *51:6i*

impact on moths of flailing hedgerows 63:24–26

Lappet 52*:*18, *52:18i*

Peacock *62:7i*

Silver Y *68:9i*

Small Eggar *63:24i*, *63:25i*

Wall Brown 52*:*18–19, *74:21i*

White Admiral dispersal 56:18–19

Crete 69:22

Crimson Speckled (*Utetheisa pulchella*) *86:2*

crosswords 82:32

Cuckooflower (*Cardamine pratensis*) 68:8

Cumbria

haiku by Richard Stewart 58:22

Mountain Ringlet search 67:16–18

Smardale Gill 83:16–17

south 58*:*19–21, *58:23–24*

Cuming, Nigel 83:14

Currant Clearwing (*Synanthedon tipuliformis*) *73:24*

Cuthbert, Charles *69:1*, *69:24*

Cutting, Liz *64:1*, *77:28*

*Butterflies in Christchurch Park* 68:16

Large Heath *77:27*

planning to photograph British list of butterflies 77:11–12

*Wildlife Garden at Aldeburgh* 80*:*8, 80*:*24, *80:25*

Wood White *64:24*, *77:12*

cutting and mowing, for meadow wildflowers 68:7, 79:21

Dahlia Queen *88*:*14*, 88:14

Dales Local Nature Reserve, Ipswich 83:14

Dame's-violet (*Hesperis matronalis*) 76:13, 77:24

Dandelion (*Taraxacum officinale*) 68:8, 76:13

Daneway Banks, Gloucestershire 88:10–11

Dare, Peter 54:12–13

Dark Green Fritillary (*Argynnis aglaja*) *51*:*15i*, 64:7

annual butterfly reports 54:8, 75:11, 78:9, 81:21, 87:10

distribution maps *78:18*, *78:26*

Fackenden Down, Kent 51:15

and High Brown Fritillary, photography 77:12

releases 84:20

*Dark Sky Dancing* (haiku verse by Richard Stewart) 51:5, 51:20

Dark Umber (*Philereme transversata*), larva *51:2*

Davies, Sue 65:17–18

day-flying moths 63*:*20, *63:28*, *81:32*

recording 62:22–23, 79:8

review of *Britain's Day-flying Moths* 58:17

DC moth traps 79:12–13

dead hedging, Purdis Heath 56*:*8, *56:9*

Dean, Mike 52:4

Butterfly Conservation 59:12

finding Purple Hairstreaks 53:29–30

Orange-tip egg-laying 64:9

Purple Hairstreak larva *53:31*

Silver-washed Fritillary egg-laying 70:12

Death's-head Hawk-moth (*Acherontia atropos*) 82:26

Demeter 79:20

Denbies, Surrey 55:16, 70:14

Dennis, Jeanette *76:28*

Dennis, Roger L. H., *Butterfly Biology Systems: connections and interactions in life history and behaviour* 80:24–25

Department for Environment Food & Rural Affairs (Defra) 73:14

Derham, Ken 84*:*9, *84:9*

Devil's-bit Scabious (*Succisa pratensis*) 68:11

Devil's Dyke, Cambridgeshire 71:26, 73:10

Devil's Dyke, Newmarket

Adonis Blue, etc 82:16–17

Chalkhill Blue 59:13, 64:8

Diadem or False Tiger (*Hypolimnas misippus*) *56*:*2*, 56:10–11

Dickinson, Neil *67*:*2*, 67:10

Dingy Skipper (*Erynnis tages*) 55*:*7, *55:7i*, 59*:*14, *69:23*, *74:20i*, *78:32*, *81:21*, *87:6i*, *87:28*

2011 51:7, 52:6

annual butterfly reports 54:7, 57:6, 60:9, 63:11–12, 66:12, 69:9–11, 72:13–15, 78:9, 78:32–33, 81:17, 81:21, 84:15, 84:16–17, 87:10, 87:15

Bison Hill, Dunstable 85:23

distribution maps *78:26*, *78:33*, *81:17*

flight periods *84:23*

releases 84:20

surveys 66*:*12, 70*:*15, 75*:*24–25, *75:28*

distribution maps (Suffolk)

2011-15 *66:2*

2015-19 *78:24–32*

2019 *78:17–24*

BAP priority species *63:2*, *84:25–27*

*see also* Suffolk Butterfly Reports (under species maps or distribution maps); *individual butterfly species*

Doherty, Jimmy *51*:*2*, 51:11

Don, Monty 73:17

Dorking, Surrey 53:19–21

Dove's Foot Crane's-bill (*Geranium molle*) 88:15

Dowding, David 84:5

Bonny Wood 64:17

Common Birdsfoot and Silver-studded Blue 77:18

Holly Blue *80:27*

Honeysuckle project 83*:*14, *84:12*, *84:32*

Landseer Park 76:18

Landseer Park and Pipers Vale 64:15

Purple Emperor *64:23*

Silver-studded Blue, in Suffolk Butterfly Reports 66:12–13, 69:11–12, 72:15–16

Silver-studded Blue pupa *67:23*

Urban Buzz Ipswich 72:20

White Admiral *83:28*

Dowding, Julian

Balkan butterfly holiday 59*:*20–22, *59:23*

Bonny Wood 64:17

Brimstone eggs and larva *56:2*

Brimstones and Buckthorn project 52:8, 53:12, 56:6, 58:18, 60:13–14

buckthorn aftercare 56:7

Clouded Yellow on Purdis Heath 71:20

Common Birdsfoot and Silver-studded Blue 77:18

Ipswich Heaths Project 58:6

Jimmy's Farm *51:2*

Landseer Park and Pipers Vale 64:15

Large Wall Brown (not "Lattice Brown") *55:27*

mowing with scythes 76:17, 82:14

Purdis Heath 56:9, 85:5

Purdis Heath restoration project 50:6–8

Purdis Heath updates 59:9–10, 61:8, 63:18–20, 67:20–22, 71:17–18, 86:32–33

wildflower meadows and native plants in gardens 68:6–11

Downe Bank, Kent 51*:*13–14, *51:23*

drought(s)

2018 74:22

Cavenham Heath 85:26–27

effects of 86:37, 87:16

Drummond, Laurence *60:1*

dry point etchings 72:22–*23*

Duke of Burgundy (*Hamearis lucina*) 51:9, *51*:*9i*, 75:22, 76:10–11, *76*:*11*, 76:23, *85*:*1*, 85:22–*23*

Dunelm *87:2*

Dunwich Forest 82:9, 82:12

Dusky Clearwing (*Paranthrene tabaniformis*) *88:18*

Dusky Heath (*Coenonympha dorus*) *71:28*

dwarfism 55:9

Dykman, Sara, *Bicycling with Butterflies* 86:30–31

Eade, Bob *88:18*

earliest & latest records *53:28t*, *78:14t*

early & late (annual butterfly reports)

2011 54:7

2012 57:6

2013 60:7

2014 63:7–8

2015 66:9

2016 69:7

2017 72:10

2018 75:9–10, 75:16

2019 78:6

early emergence 51:6–7, 56:7, 73:12–13

early morning fliers 73:9

Earthwatch (conservation charity) 50:22

East Anglia ONE (offshore wind farm) 54:11, 55:9

East Anglian Daily Times, Sutton Heath 73:12–13

Easterbrook, Michael, *Butterflies of Britain & Ireland: a field and site guide* 77:26

Eastern Bath White (*Pontia edusa*) *55:27*

Easy Recorder British Butterflies (app) 57:12

easyfundraising 80:9

eBay 53:18

ecdysis 83:25

Edburton, Sussex 56*:*22–24, *56:27*

Eeles, Peter, *Life Cycle of British and Irish Butterflies* 77:26

Elba 83:18

Elephant Hawk-moth (*Deilephila elpenor*) *68:2*, *82:2*, 82*:*25, *88:28*

larva *68*:*2*, 68:12

Elm Zig-zag Sawfly (*Aproceros leucopoda*) 73:15

larval damage *73:23*

elms (*Ulmus* spp.)

Elm Zig-zag Sawfly 73*:*15, *73:23*

*Ulmus* 'Nanguen' Lutèce 76:24, *76*:*24*, 77:25

White-letter Hairstreak 52:23, 52:25, 63:13, 69:18–19, 81:30–31

Elmswell 72:21, 73:8–9

emergence *see* early & late (annual butterfly reports); early emergence

Emperor Moth (*Saturnia pavonia*) *84:29*

eggs *83:27*

Environment Agency, coastal defence work 54:11

*Erigeron* (fleabane spp.) 68*:*11, 77*:*24, *82:22*

*Eriocrania sparrmannella* (Mottled Purple leaf-miner moth) 87*:*22, *87:22*

*Esperia sulphurella* *78:40*

Essex, Hockley Wood 64:14, 76:7

Essex Skipper (*Thymelicus lineola*) *52:32*, *83:22*

distribution maps *78:19*, *78:26*

by Kev Ling 87:19

and Small Skipper compared 88*:*18–19, *88:19*

Estonia 64:19–*23*

etchings, dry point 72:22–*23*

European Conservation Action Network (EuCAN) 68:17

European Interests Group (EIG), Butterfly Conservation 68:19

European White Elm (*Ulmus laevis*) 69:18–19

Exning *see* A14 project, Newmarket

exotic species 64:8

extreme climatic events (ECEs), and butterfly population changes 69:5, 85:6–7

eyes, butterfly identification puzzle *85:2*, *85:32*

Eyke, Woodbridge 52:16

Facebook 50:12

Recording Moths in Suffolk 75:5

sharing photos 55:24

White Admirals 55:20–21

Fackenden Down, Kent 51:14–15

Fairman, Perry 61*:*22, *61:23*

False Ilex Hairstreak (*Satyrium esculi*) 86:24

False Tiger or Diadem (*Hypolimnas misippus*) *56*:*2*, 56:10–11

farmers/ farming

and dearth of butterflies 55:17

impact on moths of flailing hedgerows 63:24–26

and neonicotinoids 80:21–22

for wildlife at Burgh House Farm 81:9–10

farmland butterflies 73:14

farmland surveys 71:8, 74:10–11

Farrow, Malcolm *51:1*

Faull, Harry *86:39*

Feeney, Mary and Peter 72:21, *72*:*23*, 73:8

Felixstowe 60:2

Felixstowe Ferry 71:24

Felton, Sam 83:6–7

Field Elm (*Ulmus minor* Ademuz) 69:18, 69:19

field events, safety information 74:17, 77:16

*Field Guide to the Caterpillars of Great Britain and Ireland* (Sterling) 77:26

Field Scabious (*Knautia arvensis*) 68:10, 68:11

Figure of Eight (*Diloba caeruleocephala*) 63:25, 63:26

finance 80:7 *see also* accounts

Fisher Kay, Christine *85:28*

Fitch, Ellynor *77:28*

Five-spot Burnet (*Zygaena trifolii*) *63:28*, *81:32*

Flatford Butterfly Garden 65:20

Flatford Mill *61:2*

fleabanes (*Erigeron* spp.) 68*:*11, 77*:*24, *82:22*

Flickr 55:24

flight periods *51:24t*, *56:28t*, *79:22t*, *86:40t*

BAP priority species *84:23–24t*

Flint, Darren 58:7–8, 65:8, 65:9

Flower Crab Spider *88:2*

Flowton Brook Farm 57:14

foodplants, larval 62:12, 66:20, 73:19, 79:29

adaptability 88:15–17

Hummingbird Hawk-moth 65:18

Orange-tip 66:20, 68:21, 77:24, 82:21

Silver-studded Blue 77:18

Toadflax Brocade 79:8–9

forage harvesting, Purdis Heath 59:9, 65:9–10

Forest Enterprise, Theberton Woods 62:15

Forester (*Adscita statices*) *63*:*28*, 82:11–12

Forestry Commission, Shifting Sands project 71:9

Forestry England

Theberton Wood/s 80:10–12, 83:6–9, *83*:*7–8*, 86:33–35

*Theberton Woods Thinning Operations 2022* 83:6

Formentere, France 51:17–18

Foster, Jim 51*:*16, *51:23*, *56:27*, *71:6*

Chalkhill Blue probable aberration 56:25

obituary 71:6

South Cumbria *58:23–24*

Foster, Ros 71:6

Foulshaw Moss, Cumbria 58*:*21, *58:23*

Fox, Richard

Big Butterfly Count 51:12

day-flying moths and caterpillar recording 62:22–*23*

guidance on sightings of non-native species 61:14–15

overwintering 56:14–15

Painted Lady migration 56:17

taxonomy changes for UK species 52:19

Wall Brown third generation 62:14

Fox, Tony *70:1*, *85:15*

Fox Moth (*Macrothylacia rubi*) 82:12

Foxglove (*Digitalis purpurea*) 68:10

fruit, as nectar source 66:21, 86:17

Fry, Reg 52:27

fundraising

AmazonSmile 80:9, 86:37

shopping online 67:19, 80:9

Spring Wood Celebration Day 75:23–24

Waitrose's Community Matters scheme 73:7

Gada, Valay *79:2*

Gait Barrows, Cumbria 58*:*19–20, *58:24*

*Galium* (bedstraw spp.) 65:18

Garden Butterfly Survey 81:8

garden nectar plants/ sources (series by Richard Stewart)

A is for Arabis 73:18

autumn 66:21

B is for Buddleia and Bowles Mauve Wallflower 74:23

C is for Candytuft 75:20

D is for Dandelion and Dames' Violet 76:13

E is for Erigeron 77:24

G is for Goldenrod 79:14

H is for Hyacinth and Hemp Agrimony 80:17

I is for Ivy 81:23

L is for Laurel and Lavender 82:20–21

M is for Michaelmas Daisy and Marjoram 83:21–22

M to O 84:7

P is for Phlox, Privet and Purple Loosestrife 85:16

R is for Ragwort and Rotten fruit 86:17

S is for Sweet Rocket, Sweet William, Strawberry Tree, Sedum 87:17

spring 64:10

summer 65:19

T is for Thrift, Teasel, Tobacco Plant and Thyme 88:12–13

garden plants

for butterflies 62:18–20, 63:23, 67:7–8, 73:17

containing pesticides 72:9

for moths 79:8–9

wildflowers 55:21–22, 68:8–11

*see also* foodplants, larval; lawns; nectar plants

garden recording 72:9, 80:18, 81:8

Garden Tiger (*Arctia caja*) *85:15*

*Gardening Which* (magazine) 83:25

gardening with harmony (website) 88:14

Garlic Mustard (*Alliaria petiolata*) 82:21

and Orange-tip 64:9, 66:20, 74:26

Garmisch-Partenkirchen, Germany 84:10

Gatekeeper (*Pyronia tithonus*) *53:2*, *68:11i*, *76:28*, 79*:*21, *84:16*, *84:28*, *85:13*

distribution maps *78:19*, *78:26*

by Kev Ling 87:19

Gatekeeper (*Pyronia tithonus* ab. *antilacticolor*) *86:14*

*The Gatekeeper* (poem by Ian Whybrow) 84:28

generations

second smaller 2018 73:13

three, Wall Brown 62:14, 63:14, 78:36–37, 84:17–18

Gent, Bob 85:18

George, Martin 62:13, 67:9

George, Wilfrid 53:18

*Why Are We Netting* (poem) 54:18

Georgia 76:9–10

Geranium Bronze (*Cacyreus marshalli*) *65*:*2*, 65:15, 66:10

*Geranium molle* (Dove's Foot Crane's-bill) 88:15

Giffords Hall, Stoke-by-Nayland 85:12

Gilburn, Andre 65:17

Gill, David 79*:*7, *79:31*, *79:32*

Gillespie, Sarah 82*:*27, *82:28*

Gilson, Paul 86:16–17

Gislingham Primary School 66:29

Give as you Live 67:19

Glanville, Eleanor 51:19

Glanville Fritillary (*Melitaea cinxia*) *51*:*19i*, *73*:*2*, *77*:*28*, *87*:*10*, 87:10

Isle of Wight 73:11

Glapton Cow Pastures, Northamptonshire 71:23

Glasswing (*Ithomia arduinna*) 77:25

Goddard, Steve 52*:*12, *52:32*, 74*:*5, *75:2*

obituary 75:6–7

goldenrods (*Solidago* spp.) 79:14

golf clubs, sell-offs 80:19–20

Gómez González, Homero 79:27

Gondris, Patricia *82:26*

Goodfellow, Trevor *73:23*, *83:27*

2018 drought effects 74:22

2019 76:8

aberrations *76*:*27*, 86:13, *86*:*13–15*, 86:16

*Adela reaumurella* *78:39*

Adonis Blue and rarity-spotting 82*:*16–17, *82:16*

Ash Bud Moth *81:9*

Bradfield Woods 85:10–11, *85*:*10–11*, 88:25

Brimstone *71:1*, *78:2*

Brown Argus *74:1*

Brown Argus ab. *snelleni* ter Haar *58:2*, 58*:*9, *60:35*, *79:31*

Brown Argus variations 60:33, 79:26

Buff-tip *88:26*

building moth traps 64:12–13, 79:12–13

Burgh House Farm *81:10*

butterfly identification guide *85:32*

Chalkhill Blue *74:8*, *81:7*

Clearwing and Puss Moth replicas 84*:*8, *84:8*

Clearwings *73:24*

Clifden Nonpareil *86:2*, *88:2*

*Coleophora conspicuella* larval case *87:2*

Common Blue aberrations *52:32*, *69:24*

day-flying moths 63*:*20, *63:28*

Dingy Skipper *69:23*, *78:32*

Duke of Burgundy 76*:*10–11, *76:11*

effects of extreme climatic events (ECEs) 85:6–7

*Esperia sulphurella* *78:40*

Essex Skipper *83:22*

Five-spot Burnet *81:32*

Garden Tiger *85:15*

Gatekeeper *85:13*

golf club sell-offs 80:19–20

Grayling survey 82:15

Great Green Bush-cricket *88:26*

Green Farm butterfly walk, Thurston 88*:*21–22, *88:21*

Hawk Moths caught by MV Robinson trap *88:28*

Heart & Dart *85:29*

Heath Fritillary *76*:*1*, *76*:*7*, 76:7

high-fliers and low-down highlights 2022 85:16–17

Holly Blue *88:16*

Hornet Clearwing *72:1*

Hornet Moth 79*:*23–24, *79:31*

housing development, Thurston 81:30–31

Knapweed Case-bearer *76:2*

Langham Walled Garden 82:15*–16*

Large Skipper *82:20*

Leopard Moth *79:31*

Meadow Brown *78:1*

moth traps for loan 81:29, 85:29, 86:31

moths at Open Garden Day, Prior's Oak 85:14–*15*

moths in lock-down 79:7

moths trapped at Thurston 85*:*30–31, *85:30*

Mottled Purple leaf-miner moth 87:22

*Nemophora degeerella* *78:39*

Orange-tip *57:2*, *84:12*

Painted Lady *73:1*, *82:16*

Pakenham Water Mill events 76:22, 82:14, 84:30, 87:27

Pakenham Wood 82:12–13, 85:12–13

Poplar Hawk-moth *75:1*

Poplar Kitten *86:2*

Purple Emperor *74:11*, *79:32*, *85:10*

Purple Hairstreak *88:2*, *88:23*

rainfall records, Thurston 85:25–26

Red Admiral with pupal shell 77*:*23, *77:27*

Rosy Footman *76:20*

Rougham Estate and Bramfield 74:10–11

Silver-studded Blue *67:1*

Silver-washed Fritillary *74:28*, *82:1*, *85:10*

Silver-washed Fritillary (form *valezina*) *64:2*

Six-belted Clearwing *85:17*

Six-spot Burnet *77:9*, *81:32*

Six-spot Burnet form *flava* *82:2*

Small and Essex Skippers compared 88*:*18–19, *88:19*

Small Copper *88:1*

Small Heath *78:37*

Small Tortoiseshell aberrations and size 85*:*7–8, *85:7*

Speckled Yellow *87:28*

Theberton Wood *83:28*

thermal imaging devices 82*:*23, *82:23*

Thurston leaflet drop 88*:*20, *88:20*

verge-cutting 79:28

Vine's Rustic *85:29*

White Admiral *64:23*, *74:28*, *88:24*

White-letter Hairstreak *74:11*, *78:34*, *85:17*

Winter Moth *83:1*

Wyken Vineyards 76:20–21

Yellow-spot Tortrix *81:9*

Goodyear, Liz, *Purple Emperor (Apatura iris) survey of Suffolk 2013* 60:15–30

gorses (*Ulex* spp.), Purdis Heath 71:20

Gosbee, Mark *79:32*

Goulson, Dave 65:18, 72:9

Grape Hyacinth (*Muscari neglectum*) 80:17

grass, when to cut 79:21

grass management project, Ipswich 53:16–17

grassland habitat 53:17

Grayling (*Hipparchia semele*) 55*:*8, *55:8i*, *57:2*, *68:13i*, *74:12i*, *77:23i*, *88:2*, *88:26*, *88:27*

annual butterfly reports 54:8, 57:6, 60:9, 63:13–14, 66:14, 69:13, 72:18, 78:35, 81:19, 84:17, 87:13

Cavenham Heath 85:27

distribution maps *78:26*, *78:35*

elaborate courtship 57:17–18

flight periods *84:23*

Minsmere 55:20

Purdis Heath 67:21

Rendlesham Forest 88:27

surveys 82:15

Sutton Heath 73:12

Winterton, Norfolk 53:21, 57:17–18

Great Blakenham 88:18

Great Glemham Farms 59:19–20

Great Green Bush-cricket (*Tettigonia viridissima*) *88:26*

Greater Anglia (train operator) 79*:*14, *81:6*

Greater Celandine (*Chelidonium majus*) 68:9

Grecian Copper (*Lycaena ottomana*) *55:27*

Greece *55:27*, *65:23*

butterfly holidays 59:20–22, 68:19–20

Crete 69:22

haikai by Richard Stewart 50:13

Kerkini 50:14–18

late-season butterflies 86:25–26

Rhodes 50*:*24–25, *52:31*, 54*:*20–22, *54:22*, *54:23*

Green, Anne and Steve *88*:*2*, 88:18

Green Alkanet (*Pentaglottis sempervirens*) *68*:*1*, 68:8–9

Green Farm, Thurston 88*:*21–22, *88:21*

Green Hairstreak (*Callophrys rubi)* *51:6i*, *65:11i*, *66:1*, *72:20i*, *75:28*, 77*:*25, *78:40*, *79:16*

2011 51:6

aberrations *55*:*2*, 55:11, 86:16

Bison Hill, Dunstable 85:22

distribution maps *66:2*, *78:19*, *78:27*

Kiln Meadow and Martlesham Common 79:11

larvae *64*:*2*, 64:11

Rhodes, Greece 54:21

wing structures 66:24

Green Hairstreak (*Callophrys rubi* ab. *bipunctata*) *86:14*

Green Long-horn (*Adela reaumurella*) *78:39*

Green Silver-lines (*Pseudoips prasinana*) *82:28*

Green-underside Blue (*Glaucopsyche alexis*) 54*:*21, *54:23*

Green-veined White (*Pieris napi)* *53:2*, *81:10*, *87:16*

distribution maps *78:19*, *78:27*

identification guide *80:2*

Greenways Countryside Project 50:7–8

Greenwings Wildlife Holidays 59:20–22, *59*:*23*, 64:19–*23*

Grey Heron (*Ardea cinerea*) *58:24*

Grizzled Skipper (*Pyrgus malvae*) *51*:*23*, 85:23, *85*:*23*, 86:23–24

Guangxi, China 73:14

gynandromorphism, bilateral 62:21, 87:9

gyroid structures 66:24

habitat creation, Urban Buzz Ipswich 72:20

habitat destruction, and connectivity 62:16–17

habitat improvements, Purdis Heath 53:15–16

habitat management

Purdis Heath 59:9–10, 61:8, 63:18–19, *63*:*27*, 65:9–10, 67:20–21

for Silver-studded Blue 59:15, 61:18–19

habitat piles, Purdis Heath 50:7, 52:9–10

Hadleigh

railway walk 52:15

*see also* Wolves Wood, Hadleigh

Haggart, Claire *79:31*

haikai (verses by Richard Stewart) 50:13, 51:20, 55:14, 58:22, 62:7

Hainsworth, Chris 85:26–27

hairstreak spp. 84:15

distribution maps *66:2*

*see also* *individual species, e.g. Green Hairstreak (Callophrys rubi)*

Halesworth 84*:*9, *84:9*

Halls, Bruce 50:22

Halls Farm, Norton 76*:*5, *76:28*

Hammersley, Douglas 55*:*5, *55:7–9i*, *55:27*

Black Hairstreak *71:23i*

Brown Argus *68:13i*

Chalkhill Blue *64:8i*

Dark Green Fritillary *51:15i*

Dingy Skipper *74:20i*

Duke of Burgundy *51:9i*

Grayling *68:13i*, *74:12i*

Green Hairstreak *51:6i*, *65:11i*

Purple Emperor *60:30i*, *67:15i*

Purple Hairstreak *53:30i*

Silver-studded Blue *58:11i*

Swallowtail *62:4i*

Wall Brown *50:27*, *51:2*, *51:7i*, *74:9i*

White Admiral *67:14i*

White-letter Hairstreak *51:7i*, *80:17i*

Harding, Robert 80:19–20

Harleston *88*:*4*, 88:13–14, 88:24–25

Harmer, A. S. (Alec) 58:9, 59:8, 61:3, 85:8

Harrison, Paul *71:27*

Harvey, Robin 56*:*12, *56:27*

Hawkins, Juliet 71:8, 74:10–11

Hayes, Geoff *62*:*2*, 62:7

Healey, David *56:2*

Healey, David and Ann 56:10–11

Hearle, Sharon

Cavenham Heath 82:11–12

Cavenham Heath moth trapping 76:19–20

Ipswich Heaths Project 56:8

Shifting Sands project *71*:*2*, 71:9

Heart & Dart (*Agrotis exclamationis*) *85:29*

Heath Fritillary (*Melitaea athalia*) *64:1*, 64*:*7, *64:14i*, *76:1*, *76:7*, *84:1*, *84:29*, *88:8*

Hockley Wood 64:14, 76:7

heathers (*Calluna vulgaris* and *Erica* spp.), forage harvesting at Purdis Heath 59:9, 65:9–10, 67:20

heathland habitat, Purdis Heath 58:7–8

Hebrew Character (*Orthosia gothica*) *87:23*

hedgerows, impact of flailing on moths 63:24–26

hedging, dead, Purdis Heath 56*:*8, *56:9*

Helmingham Hall, Plant Heritage Fairs 66*:*30*–31*, *69:24*, 70*:*15, *72:2*

hemolymph 79:28

Hemp Agrimony (*Eupatorium cannabinum*) 68:10, 80:17

Henderson, Jane

breeding Brimstones 76:15–16

Brimstone *76:2*

Brimstone pupa *76:16*

Brown Argus *76:12*, *80:28*

Brown Argus variant ter Haar 80*:*22, *80:27*

Chequered Skipper and Flower Crab Spider *88:2*

Clouded Yellow and Crab Spider *71:28*

Corn-Cockle *79:18*

Emperor Moth *84:29*

Giffords Hall, Stoke-by-Nayland 85:12

Holly Blue *71:13*

hoverfly on Chamomile *79:18*

moth and Peacock wings 83:20

Purple Hairstreak (ab. *trans-latefasciata*) *85:24*

Purple Hairstreak in extreme heat 85:24

Small Tortoiseshell with pupal shell 77*:*23, *77:27*

wildflowers from seed *82:22*

*Hesperiidae* (Skippers), annual butterfly reports 87:15

hibernation *see* overwintering

Hickling Broad, Norfolk, and Swallowtails 62:13, 70:14, 83:18–19

High Brown Fritillary (*Argynnis adippe*) *58:21i*, *58:24*, 63*:*10–11, 64*:*7, *77:28*

and Dark Green Fritillary, photography 77:12

Highways England, A14 project, Newmarket 70:7–8

hill-topping 55:22–23

Hintlesham, Ramsey Wood 67:14, 67:15

Hintlesham Wood, Purple Emperor survey 60:25

Hitch, Annie 83:20

Hoare, Dan 76:23

Hobson, Geoff 51:16

Hockley Wood, Essex 64:14, 76:7

Holkham NNR, Norfolk 73:10

Holly Blue (*Celastrina argiolus*) *50:20i*, *51:6i*, *64:24*, 66*:*20, *66:32*, *71:13*, *80:27*, *81:23*, *88:16*

2020 81:15–16

Bird's-foot-trefoil 88*:*17, *88:17*

distribution maps *78:19*, *78:27*

eggs on Bay *66:32*

foodplants 88:15–16

larvae *88:16*

Holmes, Sandra 82:17–19, 83:22–23, 83:25, 85:20

Holmes, Steve *81:25*, *82:18*

Holywells Park, Ipswich 53*:*12, *69:23*

Honesty (*Lunaria annua*) 82:21

honeybees, and neonicotinoid insecticides 53:22, 53:23

Honeysuckle (*Lonicera periclymenum*) 79:9

Broad-bordered Bee Hawk-moth larvae 54:14

White Admiral 56:18, 56:19, 81:24

Honeysuckle planting project, Ipswich 83*:*14, *84:12*, *84:32*

Honister Pass, Cumbria 67:16–17

Hornet Clearwing (*Sesia apiformis*) *63:28*, *72:1*

Hornet Moth (*Sesia apiformis*) 79*:*23–24, *79:31*

Horseshoe Vetch (*Hippocrepis comosa*) *81:7*

A14 project, Newmarket 70:7, 70:8, 81:6–7

housing development 79:28

Thurston 80:21, *81*:*30*, 81:30–31, 83:19–20, 88:20

hoverfly *79:18*

Hudson, Brenda 52:25

Hummingbird Hawk-moth (*Macroglossum stellatarum*) 64*:*9, 65*:*18, *74:27*, *81:27*, *86:39*

egg *64:2*

nectaring in Ipswich 86:16–17

Hutchings, Ed *65:24*

hyacinths (*Hyacinthus* spp.) 80:17

Ilex Hairstreak (*Satyrium ilicis*) 86:24

imidacloprid (insecticide) 83:15

imports 65:15

*In Pursuit of Butterflies* (Oates), review by Richard Stewart 66:27–28

income and expenditure *see* accounts

instars 83:25

introductions *see* releases

Invertebrate Link 61:13

*Invertebrate translocation – a code of conservation practice* (Invertebrate Link) 61:13

invertebrates, Purdis Heath 67*:*21–22, *67:23*

Ipswich

2019 78:8–9

Brimstone 53:12

butterfly species recorded 52:13

garden nectar sources 64:10, 65:19, 66:21

grass management project 53:16–17

Honeysuckle project 83*:*14, *84:12*, *84:32*

Hummingbird Hawk-moth 86:16–17

Red Admiral 81:25

Small Tortoiseshell 60:34

Strawberry Tree 79:24–25

Swallowtail gorganus release 61:11

Urban Buzz (Buglife project) 68:14, 70:9, 76:18

Valley Road 79*:*14, *79:16*

White Admiral 81:25

White-letter Hairstreak 52:13

*see also* Christchurch Park, Landseer Park, Piper's Vale and other parks or reserves; Purdis Heath

Ipswich Borough Council

Ipswich Wildlife Network 68:6

propagation of elm *Ulmus laevis* 69:18–19

Ransomes County Wildlife Site 52:7

Wild Ipswich 68:14–15

*see also* Kiln Meadow, Ipswich

Ipswich Golf Club 55:12, 77:9, 86:32

Ipswich Heaths Project 56:8, 58:6, 65:8, 67:20 *see also* Purdis Heath

Ipswich Wildlife Network 68:6

iRecord Butterflies (app) 57:12, 65:21

Irton Fell, Cumbria 67:17–18

Isle of Wight 73:11

Ivy (*Hedera felix*) 66:21, 68:11, *81*:*23*, 81:23

Izumi (artist) 84*:*8, *86:5i*, *86:33i*, *87:6i*

Jackson, Graham

aberrations *86:14*

Brown Argus and foodplants 88:15

Brown Argus egg-laying *88:15*

Brown Argus, Small Copper, etc, in Beccles 86:15–16, 88:17

Common Blue pair *86:1*, *86:38*

Holly Blue and foodplants 88:15–16

Holly Blue larvae *88:16*

Peacock larvae *88:21*

spider on Purging Buckthorn *87:2*

jasmines (*Jasminum* spp.) 82:20

Jersey Tiger (*Euplagia quadripunctaria*) *65*:*2*, 65:12

Jewel Beetle *52:31*

Jimmy's Farm *51*:*2*, 51:11

John, Eddie *65:2*

Johnson, Alan 50:19–20, 77:10

Johnson, Beryl *77*:*2*, 77:3

Brimstone *53:12i*, *68:8i*

Brown Argus *61:21i*, *62:12i*

Clouded Yellow *59:7i*

Comma *59:6i*, *66:22i*, *73:19i*, *80:17i*, *86:37i*

Common Blue *55:14i*, *68:9i*, *77:26i*, *79:30i*

Grayling *77:23i*

Green Hairstreak *72:20i*

Heath Fritillary *64:14i*

High Brown Fritillary *58:21i*

Holly Blue *50:20i*

Large Skipper *77:1i*

Marbled White *51:14i*, *80:22i*

Meadow Brown *51:14i*, *54:17i*, *73:22i*

obituary 77:10

Orange-tip *59:12i*, *62:20i*, *74:26i*

Painted Lady *66:29i*, *74:23i*, *77:22i*, *78:12i*

Red Admiral *50:19i*, *71:22i*, *78:37i*, *80:8i*

Silver-studded Blue *61:19i*

sketches *73:18i*, *78:38i*, *79:10i*, *80:26i*

Small Copper *53:14i*, *57:9i*

Small Heath *61:20i*

Small Tortoiseshell *53:9i*, *58:14i*, *65:19i*, *73:9i*, *77:10i*

Speckled Wood *77:24i*

Swallowtail *52:14i*, *67:9i*

White Admiral *51:13i*, *52:7i*, *58:10i*, *70:6i*, *76:22i*

White-letter Hairstreak *53:7i*

Johnson, Paul

Betchworth to Dorking, Surrey Downs 53:19–21

Downe Bank and Fackenden Down, Kent 51:13–15

Edburton to Beddingham Hill, Sussex 56:22–25

Lord of the Mountains trilogy 67:16–18

Jones, Dave *76:27*

Jones, Fay 53:13–14, 66:29

Jones, Kevin 61:18–19

Jones, Neil 52:26–27

Journal of Animal Ecology 85:6–7

Kaye, Rupert 59:13–14

Keeley, Sheila 52:25

Kelling Heath, Norfolk 61:18–19

Kent, field event 51:13–15

Kent estuary, Cumbria *58:24*

Kenton Hills, Leiston 61:21, 76:21–22

Kesgrave 62:18–19, 63:23

Keyes, Chas 85:11

Khamama (designer brand) 79:28

Kidney Vetch (*Anthyllis vulneraria*) 76:23

Kiln Meadow, Ipswich 70:10–11, 75:23–24, *75*:*28*, 79:11

Kilshaw, Sarah *61:24*

Kimber, J. F. *85:8i*

King, Allan *87:10*

King, Jon 52*:*15, *76:2*, *76:27*

King's Forest

Dingy Skipper in annual butterfly reports 59:14, 72:13–15, 78:32–33, 81:17, 84:16

Dingy Skipper surveys 57:4, 63:12, 66:12, 69:10, 75:24–25

field event *81*:*31*, 81:31

Grayling survey 82:15

Red Admiral abundance 73:20

Shifting Sands project *71*:*2*, 71:9

Kitchener, Paul *81:32*, *86:2*, *87:25*

Knapweed Case-bearer (*Coleophora conspicuella*) 76:8

larva *76:2*

knapweeds (*Centaurea* spp.) 68:10, *68*:*11i*, 82:20

Knettishall Heath 51:5

lacewings (*Chrysopidae* spp.), larva *82:22*

Lackey (*Malacosoma neustria*) 63:25

larvae *50*:*2*, 50:9

*Lady of the Butterflies (*Mountain), review by Richard Stewart 51:19

Lady's Smock (*Cardamine pratensis*) 68:8

Lafranchis, Tristan 59:20

Lakenheath 55:20

Landscape Recovery 81:30

Landseer Park, Ipswich 53:16, 72:20, 76:18–19, 87:10

Brimstone 53:12

field events 64:15, 71:24

Marbled White 60:8

Small Blue 84:11

wildflower area *72:2*

Langdon, William 68*:*21–23, *68:24*

Langham Walled Garden 82*:*15, *82:16*

Lang's Short-tailed Blue (*Leptotes pirithous*) *74*:*2*, *86*:*23*, 86:25

Lappet (*Gastropacha quercifolia*) 52:18, 63:25, 63:26

larva *52:18i*

Large Blue (*Maculinea arion*) 80:21, 85:9, 88:9–12

Large Chequered Skipper (*Heteropterus morpheus*) *64:23*, *77:27*

Large Heath (*Coenonympha tullia*) 58*:*20–21, *58:23*, *77:27*

Large Skipper (*Ochlodes venata*) *77:1i*, 79*:*21, *82:20*

distribution maps *78:20*, *78:27*

by Kev Ling 87:19

Large Tortoiseshell (*Nymphalis polychloros*) 64:6, 79:27

annual butterfly reports 69:7–8, 78:8, 81:20, 84:15, 84:19, 87:10

compared with Scarce Tortoiseshell *61:23*

distribution maps *78:20*, *78:27*

field identification *60*:*2*, 60:2

with Silver-washed Fritillary *85:28*

Large Wall Brown (*Lasiommata maera*) *50:2*, 54*:*21, *55:27*

Large White (*Pieris brassicae*)

2014 63:16

distribution maps *78:20*, *78:27*

identification guide *80:2*

migration to Suffolk coast 76:26

and Nasturtium 66:20

reflectance basking and solar energy 67:12

winter larvae 65:3

larvae

arrested pupal ecdysis and neonicotinoids 83:15

feeding periods, and when to cut grass 79:21

*see also* caterpillars; foodplants, larval

latest & earliest records *53:28t*, *78:14t*

Latterbarrow, Cumbria 58:21

laurels (*Lauraceae* spp.) 82:20, 83:22

lavenders (*Lavandula* spp.) 51:20, 55:21, *82*:*20*, 82:20–21

lawns 55:21–22, 73:16

Laxfield *81:25*

Leatherdale, Simon 60:24, 61:12

leaves, and lawns 73:16

LED moth traps 79:12–13

legacies 57:8 *see also* Susie Mellor Legacy

Leiston, Kenton Hills and Sizewell Belts 61:21, 76:21–22

Leng, Andrew 74:11, 79:24

Leng, Jane 77:24, *79*:*2*, 84:12

Leopard Moth (*Zeuzera pyrina*) *79:31*

Lepley, John, Theberton Woods updates 83:6–9, *83*:*7–8*, 86:33–35

Lesser Fiery Copper (*Lycaena thersamon*) *50:2*, *52:30i*, *52:31*, 54*:*21, *54:23*, *59:23*

Lewis, Dafydd 73:16

*Life Cycle of British and Irish Butterflies* (Eeles) 77:26

Lime Hawk-moth (*Mimas tiliae*) *88:28*

Lindsey, Mary 87*:*23, *87:23*

Ling, Kevin (or Kev)

Belstead's nature reserves 70:10–11

Black Hairstreak at Brampton Wood 86*:*26–28, *86:27*

Bonny Wood *67*:*2*, 67:11

Brimstones and Buckthorn 72:21, 84:8–9

Chalkhill Blue *71:27*

Comma *70:2*

Cotley Hill, Wiltshire 69*:*21, *69:23*

Devil's Dyke, Cambridgeshire 71:26

Duke of Burgundy *85:1*, *85:23*

Dukes, Dingies, Grizzlies 85:22–23

gardening for butterflies 66:20

Green Hairstreak *66:1*, *75:28*, *78:40*, 79*:*11, *79:16*

Grizzled Skipper *85:23*

Lukeswood, Elmswell 73:8–9

Northfield Wood 82:10–11, 88:23–25

Orange-tip 74*:*25–26, *74:27*, *78:40*, *84:31*

photo competitions 81:27, 86:38*–39*

Purple Emperor *67:24*, *84:10*

Ringlet *87:18*

Scotch Argus, Smardale Gill *83*:*16–17*, 83:16–17

Silver-studded Blue *78:2*, *78:33*

Silver-washed Fritillary (ab. *confluens*) *76:27*

Skippers mating *87:18*

Small Pearl-bordered Fritillary *84:11*

spring nectar sources 82:21

Spring Wood Celebration Day 75:23–24

Susie Mellor memorial bench *69:23*

Sutton Heath 73:12–13

tales of the unexpected 84:10–11

Two-tailed Pasha *67:24*

underdogs - Browns and Skippers 87:18–20

White Admiral 81*:*23–24, *81:24*

wildflower seed project 79:14

Local Nature Recovery 81:30

lock-down observations 79:7–9

Lockwood, Ivan and Val 82:13

Lombardy Poplar (*Populus nigra '*Italica') 79:23–24

Long-tailed Blue (*Lampides boeticus*) *58*:*2*, 58:9, 64:7

annual butterfly reports 54:8, 60:7–8, 69:8, 72:10, 75:11, 78:7, 81:20, 87:10

butterfly thieves 70:14

distribution maps *78:20*, *78:28*

Lonsdale, David 67:7–8

losers (butterflies having poor seasons) 55:8–9 *see also* residents - winners & losers (annual butterfly reports)

Lucas, Colin 51:9

Lukeswood, Elmswell 72:21, 73:8–9

Lulworth Skipper (*Thymelicus acteon*) *77:13*, *88:7*

Lunar Hornet Moth (*Sesia bembeciformis*) *83:27*

Lunar Yellow Underwing (*Noctua orbona*) 53:25, 67:21

Lungwort (*Pulmonaria officinalis*) 68:8

*Lycaenidae* (Coppers, Hairstreaks and Blues), annual butterfly reports 87:14*–15*

Lychnis (*Hadena bicruris*) 79:9

Lyme disease 52:4, 52:20, 81:11

Macready, Jillian 73:12

AGM and members' afternoon 2022 *86:7*

breeding Brimstones 76*:*15–16, *76:16*

Swallowtail impaled *70*:*2*, 70:13

Wyken Vineyards 76:20–21

macro-moths

*British and Irish Moths: an illustrated guide to selected difficult species* 50:20

National Moth Recording Scheme (NMRS) 65:12

macro photography 52:21–22

Madagascan Star Orchid (*Angraecum sesquipedale*) 82:10

Maddison, Peter *51:23*, *52:32*, *53:32*, *86:7*

AGM 2019 77:6–7

AGM 2020-21 and committee roles 80:3

AGM and members' afternoon 2022 86:6–7

*Angelica gigas* 73:17

Brimstone and Buckthorn project 86:9

Carlton Marshes 74:9, 82:14

chair's reports 80:7–8, 82:7–8

Common Blue *66:32*

conservationists are optimists 65:16

Dunwich Forest 82:12

events round up 2017 70:14–15

field event in Wiltshire 51:16

field events 2019 75:23–25

Grayling search in Rendlesham Forest 88:27

Heath Fritillary, Hockley Wood 64:14

Kenton Hills and Sizewell Belts 61:21, 76:21–22

local habitat destruction and connectivity 62:16–17

Martlesham Wilds 87:26–27

memories of Nigel Cuming 83:14

migration mystery solved 56:17

moth traps for loan 81:29

nectar plants for adult butterflies 62:19–20

Newbourne Springs 66:28–29

Newsons Farm, Thorpe Morieux 85:9

obituary of Geoff Hayes 62:7

Purple Hairstreak *53:31*, *66:31*

*Pyrausta despicata* *86:2*

retirement of Bill Stone 81:2

review of *Butterflies in Christchurch Park* (Stewart) 68:16

Silver-studded Blue *65:10*

Silver-washed Fritillary *55:28*

South Cumbria 58*:*19–21, *58:23–24*

Speckled Wood *57:1*

Suffolk Moth Group 75:5

Trudie's bench 88:6

Upper Hollesley Common 55:15

Wall Brown 59:17, 62:14, 74:9

Wall Brown surveys 61:20, 64:18

White Admiral *55:27*

White-letter Hairstreak *62:1*, *66:31*

Wild Spaces campaign 86:31–32

wildflowers *79:17*

Wissett and Giffords Hall events 85:11–12

Maddocks, John *64:23*

Madeira 56:10–11

*Mahonia* spp. 84:7

Mallow Skipper (*Carcharodus alceae*) *54:23*

Mam Tor, Derbyshire 84:11

Manley, Chris

*British & Irish Moths: a photographic guide* 83:24

*British Moths* 77:26

*Butterflies of Europe for iPhone* (review) 54:19

Mann, James *76:14*

Black-veined Whites and cepes 51:17–18

last days of summer 81:26

Oak Processionary Moth 77:22

Painted Lady, etc 77:22

Silver-studded Blue, Pyrénées-Orientales 50:23–24

Strawberry tree *79:16*, *79:17*

Two-tailed Pasha *76*:*2*, 76:13–14

Many-lined (*Costaconvexa polygrammata*) 56:12

Map (*Araschnia levana*) *55:27*

Marbled White (*Melanargia galathea*) *51:14i*, 64*:*7, *74:2*, *74:13*, *76:2*, *76:28*, *80:22i*, *83:27*

annual butterfly reports 60:8, 63:10, 66:11, 69:9, 72:12, 75:11, 78:8, 81:20, 87:13

distribution maps *78:20*, *78:28*

Landseer Park, Ipswich 76:19

releases 84:21

and Small White 78:7

marjoram (*Origanum* spp.) 51:20, *56*:*27*, 68:10, 83:22

Market Weston Fen 87:9

Marlow's Home & Garden Centre, Bury St Edmunds 75*:*23, *75:28*

Marsh Fritillary (*Euphydryas aurinia*) 51*:*16, *51:23*, 69*:*21, *69:23*, *84:27*, *86:39*, *87:28*

Market Weston Fen 87:9

releases 84:21

Martin, Sue *82*:*24*, 82:24

Martlesham Common 72:15, 79:11

Martlesham Creek 75:23

Martlesham Heath 55:9, 61:9, 77:6

Martlesham Wilds 87:26–27

mating, and pheromones 77:25

Mawhood, Denise *79:32*, *85:28*

Mayne, Bill 81:9–10

Meadow Brown (*Maniola jurtina*) *51:14i*, *54:17i*, *73:22i*, *78:1*, 79*:*21, *88:2*

distribution maps *78:20*, *78:28*

by Kev Ling 87:18–19

possible *Partimtransformis*, Edburton 56:22

Meadow Brown (*Maniola jurtina* ab. *bioculata*) *86:14*

Meadow Brown (*Maniola jurtina* ab. *caeca*) *86:14*

Meadow Crane's-bill (*Geranium pratense*) 68:9

meadows, wildflower 54:17, 68:6–8, 85:9

Meathop Moss, Cumbria 58*:*20–21, *58:23*

melanism 76:12, 86:13

Mellfield Wood and Free Wood, Bradfield St George *74:10*

Purple Emperor survey 60:26–27, 60:28, 60:29

Mellor, Susie *see* Susie Mellor Legacy

*Memorable Moments* (poem by Twm Wade) 67:13

memory, associative, in caterpillars 76:23–24

Merrigan, Elizabeth *79:2*

metamorphosis, in caterpillars 76:23–24

Mexican Free-tailed Bat (*Tadarida brasiliensis*) 75:22

Mexico, Monarch (*Danaus plexippus*) 56:17, 58:15, 61:17, 79:27, 87:20–21

Michaelmas Daisy (*Aster* spp.) 66:21, 83:21–22

*Micro-moth Field Tips* (Smart) 79:29

microscopy 87*:*23, *87:23*

Middlebrook, Ian 64:18–19

Middleton, Andrew, *Purple Emperor (Apatura iris) survey of Suffolk 2013* 60:15–30

migrants 64:6–7

guidance on sightings of non-native species 61:14–15

moths, Minsmere 56:12

Suffolk coast 74:20, 76:26

tiger moths 65:12

*see also* *individual species, e:g. Monarch (Danaus plexippus*), *Painted Lady* (*Vanessa cardui*)

migrants (annual butterfly reports)

2011 54:8

2012 57:7

2013 60:7–8

2014 63:8–9

2021 84:18–19

migrants and rarities (annual butterfly reports)

2015 66:9–10

2016 69:7–8

2017 72:10–11

2018 75:10–11

2019 78:6–8

2020 81:19–20

Milden Hall, Lavenham 70:15

Mildenhall 56:18–19

Millins, George 50*:*7, *50:28*

Mills, David *61:2*

mimicry 56:10–11, 73:14

Miners, Becky 67:19

Minsmere 55:20

moths 56*:*12, *56:27*

Queen of Spain Fritillary 54:15–16

Silver-studded Blue 63:12, 66:13, 72:15

Minsmere Crimson Underwing (*Catocala conjuncta*) 56:12

Mint Moth (*Pyrausta aurata*) 66:20, 82:21

Monarch (*Danaus plexippus*) 56*:*10, 56*:*11, 61*:*17, *61:17*

arrested pupal ecdysis and neonicotinoids 83:15

books on 86:29–31, 87:20, 87:21

California 85:6

deaths of guardians in Mexico 79:27

Mexico 56:17, 58:15, 79:14, 87:20–21

Spain *86*:*23*, 86:24–25

Suffolk 64:8, 81:20

Morgan's sphinx moth (*Xanthopan Morganii praedicta*) 82:10

Moss, Christian *80:27*

moth traps/ trapping 80:20, 81:5

Cavenham Heath 76*:*19–20, *76:28*

feedback from members who borrowed *82*:*24–29*, 82:24–31

homemade traps 64*:*12–13, *64:13*, 79*:*12–13, *79:13*

loan scheme 81:29, *81*:*29*, *85*:*29*, 85:29, 86:31

MBF and Wemlite traps tested 77:24

photography 82:30–31

Piper's Vale, Ipswich 71:24

Prior's Oak, Aldeburgh 88:25–26

Purple Hairstreak 55:20

Thurston 85:30–31

Wyken Vineyards 76:20

Mother of Pearl (*Pleuroptya ruralis*) *72:23i*

Mother Shipton (*Euclidia mi*) *63:28*, *81:32*

moths

2019 76:8

attraction to light 74:17

day-flying, and caterpillar recording 62:22–*23*

garden plants for 79:8–9

*Gardening Which* 83:25

impact of flailing hedgerows 63:24–26

largest 80:26

larvae *51:2*

lockdown observations and recording 79:7, 79:8–9

Minsmere 56*:*12, *56:27*

Open Garden Day, Prior's Oak 85:14–*15*

Purdis Heath 53:24–25, 65:13

Sizewell 75:19

wings mystery *82:24*

and woodland connectivity 81:8–9

*see also* moth traps/ trapping

Mottled Purple leaf-miner moth (*Eriocrania sparrmannella*) *87*:*22*, 87:22

Mount Caburn, Sussex 56*:*24, *56:27*

Mountain, Fiona, *Lady of the Butterflies (*review) 51:19

Mountain Ringlet (*Erebia epiphron*) *65*:*2*, 67:16–18

mowing

for meadow wildflowers 68:7, 79:21

with scythes 76*:*17, 82*:*14–15, *82:14–15*

mulleins (*Verbascum* spp.) 68:10

multivoltine butterflies, impacts on population of climate extremes 85:6–7

Musk Mallow (*Malva moschata*) *79*:*15*, 79:20

Myers, Joe *87:2*

*Nasturtium* spp. 66:20, 84:7

National Moth Recording Scheme (NMRS) 62:22–23, 65:12

National Moth Week 86:21–22

Natural England *see* Cavenham Heath

Natural History Museum 61:16

nectar plants 51:20, 62:19–20, 66:20, 82:21

Black Horehound 76:14–15

container gardening 66:22

in High Suffolk garden 55:17, 62:12, 80:18

preferences of butterflies 67:7–8

Strawberry Tree 79:24–25

*see also* garden nectar plants/ sources (series by Richard Stewart))

*Necyria bellona* *77:28*

Neild, Andrew 76*:*26, *77:28*, *82:19*

*Nemophora degeerella* *63:28*, *78:39*

neonicotinoid insecticides 53:22–23, 80:21–22

arrested pupal ecdysis 83:15

population decline of butterflies 65:17–18, 66:7

sugar beet 81:29

wildflower pollination 64:15

Nettle (*Urtica dioica*) 64:10, 79:7

New Scientist (magazine) 86:37

Newbourne Springs, Woodbridge 66:28–29

Newby, Pete 73:17

Newland, David *80*:*23*, 80:23

*Britain's Butterflies* 80:24

*Britain's Day-flying Moths* 80:24

*Britain's Day-flying Moths* (review) 58:17

Brown Argus variations 60:33, *60*:*35*, 79:26

Newland, Richard 80:23

Newman, John 50:6

*Nicotiana* (tobacco plant spp.) 68:11, 88:12–13

Nobbs, David 52:14, 63:23

non-native species 61:14–15

Norfolk Broads, for Swallowtail 62:13–14

Norris, Derek *71:28*

Norris, Tim *59:23*

North Downs 55:16, 76:23

North Warren, Aldeburgh 71:24–25

Northamptonshire 70:15, 71:23

Rockingham Forest 85:18

Northern Brown Argus (*Aricia artaxerxes*) 58:9, *58*:*24*, 60:33

Northfield Wood, Stowmarket 58:10

field trips 82*:*10–11, 88*:*23–25, *88:24*

Purple Emperor survey 60:28, 60:30

wood map *60:36*

Norton, Halls Farm 76*:*5, *76:28*

Nowers, Mark 51:8

Nowton Park, Bury St Edmunds 53:13–14, 69:18–19, 82:8

map *53:2*

*Nymphalidae* (Browns, Fritillaries and Aristocrats), annual butterfly reports 87:12–14

Oak Eggar (*Lasiocampa quercus*) 63:26

Oak Processionary (*Thaumetopoea processionea)* 50:9, 76:25–26, 77:22, 80:21

oaks (*Quercus* spp.)

finding Purple Hairstreaks 53:29

imported, and Oak Processionary Moth 76:25–26

Purple Hairstreak eggs and larvae 79:23

Oates, Matthew 85:17

*In Pursuit of Butterflies* (review) 66:27–28

*Ochsenheimeria taurella* *73:24*

Oertzen's Rock Lizard *52:31*

Ogden, Brian *70:8*

Old Hall Wood, Bentley *55*:*2*, 55:12

Purple Emperor survey 60:26

Old Lady (*Mormo maura*) *81:10*

Olive Crescent (*Trisateles emortualis*) *55*:*2*, 55:12

larva *55:2*

Olympic Park & Stadium, London 54:17

Onehouse, Stowmarket 79:10, 88:13 *see also* Northfield Wood, Stowmarket

Orange-tip (*Anthocharis cardamines)* *53:1*, *57:2*, *59:12i*, *62:20i*, *68:1*, *74:26i*, *74:27*, *78:40*, *84:12*, *84:31*, *87:28*

annual butterfly reports 87:11*–12*

Belstead Meadows 70:10

bilateral gynandromorph 87*:*9, *87:12*

caterpillars 2020-22 85:20

caterpillars, pupation and parasites 82:17–19

distribution maps *78:21*, *78:28*

eggs and egg-laying *57:2*, 64*:*9, 68*:*21–22, *68:24*, 74*:*26, *84:16*

emergence 83:25

foodplants 68:21, 77:24, 82:21

and Garlic Mustard 66:20

by Kev Ling 74:25–26

larvae 68*:*22, *68:24*, 74*:*26, *79:2*

life cycle 68*:*21–23, *68:24*

life stages *82:18*

lost to verge-cutting 79:28

photography 74:25

pupae 68*:*22, *68:24*, 74*:*26, *74:27*

and Shepherd's Purse 84:12

Orange-tip (*Anthocharis cardamines* ab. *antiquincunx* Bryk) *76:27*, *86:13*

Orford 59:17, 61:20, 74:20

Orwell Country Park, Ipswich 83:14

Honeysuckle project map *84:32*

*Osteospermum* spp. 84:7

Overton, Chris *58*:*2*, 58:9

overwintering 56:14–15

Peacock 62:9–10

in pillboxes 60*:*34, *60:35*

Scarce Tortoiseshell and others 61:22

Small Tortoiseshell 62:10

Oxeye Daisy (*Leucanthemum vulgare*) *79*:*15*, 79:20

Ozark Swallowtail (*Papilio joanae*) 63:11, 64:8

Painted Lady (*Vanessa cardui*) *57:2*, 64*:*7, *66:29i*, *73:1*, *74:23i*, *76:10*, *77:22i*, *78:12i*, *82:16*, 83*:*15, *84:19*

aberrations *86:15*

annual butterfly reports 78:7–8, 81:20, 84:15, 84:19, 87:13

distribution maps *78:21*, *78:28*

and Garden Spider 50:22

'grown' at Gislingham Primary School 66:29

migration 56:17, 67:12, 76:9–10

*Oh! My Lady* (poem by Twm Wade) 64:11

south of France 51:17, 77:22

Pakenham Water Mill, Wildlife Days 75:24, *75*:*27*, 76:22, *76*:*28*, 82:14, 84:30, 87:27

Pakenham Wood 55:13, 55:18, 82:12–13, 85:12–13

Silver-washed Fritillary 55:6, 55:8, 86:12

Pale Tussock (*Calliteara pudibunda*) *84:6*

Parham airfield 59:19–20

Parker, Andrew 61:16

Parker, Rob 55*:*5, 84*:*5, 86*:*6, *86:7*

2000-2015 64:6–8

2011 51:6–7

2012, impact of awful weather 55:19

aberrations 76:12, 86:13

annual butterfly reports 54:6–9, 57:5–8, 60:6–11, 63:6–17

black holes field events 52:17, 75:24

Brown Argus variations 58:9, 60:33, 79:26

Butterfly Conservation reports 52:6–7, 55:7–9

Chalkhill Blue 59*:*13–14, *59:24*

Clouded Yellow aberration 59:8

Dingy Skipper 57:4, 59:14

early morning fliers 73:9

Estonia butterfly tour 64:19–*23*

farmland surveys 71:8

Geranium Bronze 65:15

Great Glemham Farms and Pound Wood 59:19–20

invitation to watch butterflies 74:19–20

King's Forest 73:20, 81:31

Long-tailed Blue (*Lampides boeticus*) 58:9

notes for butterfly recorders 53:6–9

Pakenham Wood 55:13, 85:12–13

Peacocks hibernating 62:9–10

Purple Emperor 60:15

Purple Emperor, Theberton 61:13, 62:15–16

Purple Hairstreak 58:9

Red Admiral 55:9, 73:20

Rougham Estate 74:10–11

shorthand recording system 57:10–11

Silver-studded Blue at Blaxhall Common 59:15–16

Silver-washed Fritillary *50*:*2*, 50:10, 55:5–6

Sizewell C 75:17–20

Small Copper 67:10

Small Tortoiseshell aberration 61:3

Theberton Wood 80:11

training day for novice recorders 57:15

UKBMS award *68:2*

*Verbena rigida* and *Angelica gigas* 73:17

Wall Brown 50:26, 54:10–11

when to mow the meadow 79:21

White-letter Hairstreak 52:23–25, 69:18–19

Wyken Vineyards 76:20–21

Parr, Toby *79:2*

Parsons, Pam *62:23*

Partnach Gorge, Germany 84:10

Passion-vine (*Heliconius* spp.) 77:25

Pawsey, John 71:8

Peacock (*Aglais io*) *52:32*, *56:7*, *62:7i*, *78:16i*, *81:14*, *85:13*, *88:26*

2019 78:8

distribution maps *78:21*, *78:28*

hibernating 60:34, *60*:*35*, 62:9–10

larvae 79*:*7, *79:31*, *88:21*

migration to Suffolk coast 76:26

overwintering in houses 56:15

wings discarded, and potential culprit *83*:*20*, 83:20

Peake, Terry 59:15

Pearl-bordered Fritillary (*Boloria euphrosyne*) *65:2*

art quilt by Marie Stewart *50*:*1*, 50:3

Pearl Grass-veneer (*Catoptria pinella*) 82*:*12, *85:30*

Pebble Hook-tip (*Drepana falcataria*) *82:26*

*Pelargonium* spp. 65:15

Pentax Papilio (binoculars) 56:16

Perennial Candytuft (*Iberis sempervirens*) 74:24, 75:20

Perennial Wallflower (*Erysimum linifolium '*Bowles's Mauve') 51:20, *63*:*1*, 63:23, 74:23, 82:21

Perkins, Gill 74:22

Perryman, Richard

branch website 55:10, 75:7–8

moth trapping *82*:*28–29*, 82:28–31

Peru *77:28*

pesticides

in garden plants 72:9

*see also* neonicotinoid insecticides

Petiver, James 51:19

pheromones, and mating 77:25

Phillips, Andrew 50:5

Phillips, Cara *64:24*

*Phlox* spp. 85:16

photography

branch competitions 63:21, *64*:*24*, *65*:*24*, 81:27, *81*:*27*, *84*:*29*, 84:29, 86:38*–39*

Large Blues with 100-400mm lens 88:11

macro photography tips 52:21–22

moth trapping 82:30–31

Orange-tip males 74:25

planning to find British list of butterflies 77:11–12

sharing online 55:24

Swallowtail 83:18–19

phototaxis, positive 74:17

*Phryxe vulgaris* (Tachinid fly) 83:22–23

pupa *83:22*

*Pieridae* (Whites and Yellows), annual butterfly reports 87:11*–12*

Piper, Ann *74:2*

Piper's Vale, Ipswich 52:13, 58:6, 64:15, 71:24, 83:14

Honeysuckle project map *84:32*

Pitt, David *69:23*, *74:2*, *77:13*, *77:27*, *86:39*

Swallowtail *71:28*, *81:1*, *81:27*

Pitt, Lilian 79:25

Plain Tiger or African Monarch (*Danaus chrysippus*) 56:10–11, 68:19

Plank, Jenny and Gary *74:27*

Plant a Pot for Pollinators (project) 66:22

Plant Heritage Fair 66*:*30, *66:31*, *69:24*, 70*:*15, *72:2*

plastic, and Wax Moth caterpillars 77:23

Plenderleith, Fiona 81:8–9, 87:25

plums, as nectar source 86:17

pollinators

Plant a Pot for Pollinators (project) 66:22

*see also* neonicotinoid insecticides; Urban Buzz (Buglife project)

polyethylene, and Wax Moth caterpillars 77:23

*Polygrapha tyrianthina* *77:28*

Poplar Admiral (*Limenitis populi*) *64:23*

Poplar Hawk-moth (*Laothoe populi*) *75:1*, 79*:*7, *79:32*, *88:28*

Poplar Kitten (*Furcula bifida*) *86:2*

Poppy (*Papaver rhoeas*) 55*:*21–22, *79:15*

Pound Wood, Great Glemham 59:20

Pratt, Chris *52:32*

Prichard, Tony

Box-tree Moth 71:12

Broad-bordered Bee Hawk-moth larvae *54*:*2*, 54:14

Brown-tail moth 50:9

moth larvae *50:2*, *51:2*

Olive Crescent moth *55*:*2*, 55:12

review of *Britain's Day-flying Moths* 58:17

Six-belted Clearwing on vegetated shingle 52:11

Small Ranunculus larvae 52:11

Suffolk Moth Group 75:5

tiger moths 65:12

Prickly Lettuce (*Lactuca serriola*) 52:11

Primrose (*Primula vulgaris*) 68*:*8, *68:8i*

Prior's Oak, Aldeburgh

buddleias teeming 55:19–20

open days 68:13, 71:22, 76:21, 82:13–14, 85:14–*15*, 88:25–26

*Wildlife Garden at Aldeburgh* (Stewart) 80*:*8, 80*:*24, *80:25*

Privet spp. 85:16

Probert, Geoffrey 70:6

proboscis length 67:7

pupal ecdysis 83:15

Purdis Heath 50:5, 50:6–8, *50*:*28*, *52*:*2*, *53*:*32*, 58:6, 85:5

2011 52:9–10

2012 56:8–9

2015 63:18–20

2016 65:8–10, 67:20–22

2017 71:17–18

2022-23 86*:*32–33, 87*:*26, *88:22*

archaeology 50:6

BAP species 65:13

butterflies and other invertebrates 67*:*21–22, *67:23*

county moth night 53:24–25

forage harvesting 65:9–10

habitat management 59*:*9–10, 61*:*8, *63:27*

habitat piles 50:7

Megabash 50*:*7–8, *59:23*

ownership remains unknown 80:7

sale protracted 77:6

scrape habitats 65:9

Silver-studded Blue research project 58:7–8

site species list 65:13

volunteers and conservation activities 50*:*7–8, 53*:*15–16, *56:8–9*, *61:24*

Purple Angelica (*Angelica gigas*) 73:17

Purple Emperor (*Apatura iris*) *50:21i*, *60:1*, *60:30i*, *64:23*, *65:24*, *67:15i*, *67:24*, *74:11*, *76:2*, *79:32*, *80:1*, *84:10*, *85:10*, *85:19*, *86:33i*, *88:24*

2000-2015 64:6

2013 survey of Suffolk 60:15–30

2022 sightings 85:16

annual butterfly reports 54:8, 57:7, 60:8, 63:9–10, 66:10, 69:8–9, 84:15

Bonny Wood 64:17, 67:11

climate 60:23–24

congregation areas 60:31–32

distribution maps (Suffolk) *60:17*, *63:9*, *78:21*, *78:29*

eastern region records and maps 60:16, *60*:*17*, *60*:*19*, 60:23–24, 61:11

egg-laying 60:32

Essex and Suffolk (and SW Cambs) linked population *60*:*20*, 60:23

flight chart *60*:*18*, 60:22

habitat and adult behaviour 60:31–32

habitat/ woodland quality (with rating system) 60:24–25

internet, digital photography and casual records 60:23

obsession of David Tomlinson 85:17–19

overwintering as caterpillar 56:14–15

Purple Project 60:31–32

releases 61:12–13

and salt 60:31

survey methods 60:32

Theberton Wood/s 61:12–13, 62:15–16, 66:25, 66:26, 80:10, 80:11, 80:12, 86:34

woodland map and survey results *60*:*18*, 60:21, 60:24

woodland visits 2013 60:25–30

Purple Hairstreak (*Favonius quercus*) *52:32*, 53*:*29–30, *53:30i*, *53:31*, *58:2*, 58*:*9, *66:31*, *73:23*, *82:13*, *88:2*, *88:23*

2022 sightings 85:16

annual butterfly reports 87:14

Christchurch Park 57:9

distribution maps *66:2*, *78:21*, *78:29*

eggs *53:31*, *56:1*, *79:2*

eggs and larvae 79:23

in extreme heat 85:24

Eyke 52:16

larvae *53:31*, *79:2*

Lukeswood, Elmswell 73:9

in moth traps 55:20

overwintering as egg 56:15

Purdis Heath 52:9

six places 72:21

White-letter Hairstreak behaviour compared 52:24, 52:25

Wolves and Ramsey Woods 67:14, 67:15

Purple Hairstreak (*Favonius quercus* ab. *trans-latefasciata*) *85:24*

Purple Loosestrife (*Lythrum salicaria*) 68:10, 68:12, 85:16

Purple Marbled (*Eublemma ostrina*) 56*:*12, *56:27*

Purple-shot Copper (*Lycaena alciphron*) *59:23*

Purple Toadflax (*Linaria purpurea*) 79:8–9

Puss Moth (*Cerura vinula*) 82:28

larva *82:2*

replicas *84:8*

Pyle, Robert Michael, *Chasing Monarchs* 86:29–30

*Pyrausta despicata* (Straw-barred Pearl) *63:28*, 82*:*12, *86:2*

Pyrénées-Orientales, France 51:17–18, 76:13–14, 81:26

Oak Processionary Moth 77:22

Painted Lady, etc 77:22

Queen of Spain Fritillary 50:24

Silver-studded Blue 50:23–24

Quadling, Robert

Carlton Marshes field event 82:14

Clouded Yellow 83*:*17, *83:18*

Wall Brown 74*:*9, 74*:*21, *74:28*, *78:36*, *81:27*

wildflower seed plantings *79*:*18*, 79:19

Queen of Spain Fritillary (*Issoria lathonia*) 63*:*8, *65:24*

distribution maps *78:29*

Greece *86*:*24*, 86:25–26

Minsmere 54:15–16

Pyrénées-Orientales 50:24

Theberton Wood/s *86:35*

quilts (by Marie Stewart)

*Balancing the Scales* *50*:*1*, 50:3

*Basking on Bark* 65*:*22, *65:23*

Quinn, John 61:13

Rae, Mike 60:22

Ragwort (*Senecio jacobaea*) 52:26–27, 86:17

rainfall, Thurston 85:25–26

Ramparts Field/ Meadow 51:5, 71:24

Ramsey Wood, Hintlesham 67:14, 67:15

Purple Emperor survey 60:25

Randle, Zoë 51:12, 62:22–*23*

Ranmore Common, Surrey 55:16

Ransomes County Wildlife Site 52:7

rarities *see* migrants and rarities (annual butterfly reports)

Ravenscroft, Neil 50:6, 59:15–16, 65:9

Raydon Great Wood

Hadleigh railway walk 52:15

Purple Emperor survey 60:25

recessive genes, as cause of aberrations 76:12

recording 53:6–9

2000-2012 overview *53:8t*

casual records 53:6–7, 60:12, 66:23

day-flying moths 62:22–23, 79:8

expansion of species on recording sheets 64:6, 64:8

in gardens 80:18

Purdis Heath 65:13

releases 61:13

shorthand system 57:10–11

with technology 57:12

training day for recorders 57:15

recording and geographic coverage, annual butterfly reports 54:9, 57:7, 60:10, 63:15, 66:16–17, 69:15–16, 72:12, 75:12, *78*:*9*, 81:15, 84:14

Recording Moths in Suffolk (Facebook group) 75:5

Red Admiral (*Vanessa atalanta*) *50:19i*, *55:1*, *62:2*, *71:22i*, *74:28*, *78:37i*, *80:8i*, *80:27*, 83*:*15, *86:17*, *88:14*

annual butterfly reports 63:8–9, 78:8, 81:20, 84:19

distribution maps *78:21*, *78:29*

flight periods *75:10*

King's Forest abundance 73:20

over water east of Felixstowe 62:10–11

pupal shell on abdomen 77*:*23, *77:27*

size variation 55:9

thermal image *82:23*

winter sightings and behaviour, Ipswich 62:11, 81:25

*Red Admiral, The* (verse by R. Amor) 78:37

Red Dead-nettle (*Lamium purpureum*) 68:8

Red-headed Chestnut (*Conistra erythrocephala*) *56:27*

Red Lodge Heath 64:16, 71:21, *71*:*27*, 76:21

Red-tipped Clearwing (*Synanthedon formicaeformis*) *63:28*, *73:24*

Red Valerian (*Centranthus ruber*) *64*:*2*, 64:9, 65:18

Redgrave & Lopham Fen 67:10

Reeve, Rob *86:14*

Reeve, Rob and Kerry 80:10–11

reflectance basking 67:12

releases

annual butterfly reports 66:11, 69:9, 72:12, 75:11, 78:8–9, 81:20–21, 84:20–21, 87:9–10

Martin White 50:21, 82:10

Purple Emperor 61:12–13, 62:15–16, 66:26

recording of non-native species 61:14

Silver-washed Fritillary 50:10

Swallowtail gorganus 61:11

at weddings and other ceremonies 61:15

Rendlesham Forest 55:15, 63:22, 74:19–20, 88:27

reptiles, Purdis Heath *52*:*2*, 52:9–10

residents - winners & losers (annual butterfly reports)

2011 54:6

2012 57:5–6

2013 60:7

2014 63:7

2015 66:8–9

2016 69:6–7

2017 72:9–10

2018 75:9

2019 78:6

2020 81:15–16

2021 84:15

Rhodes, Greece 50*:*24–25, 54*:*20–22, *54:23*

Rhodope Mountains, Bulgaria *81:12*

Richards, Adrian

Elephant Hawk-moth larva *68*:*2*, 68:12

Theberton Wood, site guide 66:25–26

Wolves and Ramsey Woods, site guide 67:14–15

Richardson, Roy *87:10*

Rickinghall, West Hall Farm 75:25

Ringlet (*Aphantopus hyperantus*) 52*:*16, 55*:*13, *87:18*

distribution maps *78:22*, *78:29*

by Kev Ling 87:19

Ringlet (*Aphantopus hyperantus* ab. *lanceolata*) *55*:*2*, 55:11

Ringlet (*Aphantopus hyperantus* ab. *pseudocellatus*) *86:13*

Riordan, Susannah 86:7

road names 83:19–20

Robinson moth traps 79:13, 85:30

Rockingham Forest, Northamptonshire 85:18

Rogers, Martin *53*:*2*, 56:7, *58*:*2*, 58:9

Rosy Footman (*Miltochrista miniata*) *76:20*, *85:30*

Rougham Estate 74:10–11

Round-leaved Sundew (*Drosera rotundifolia*) *58:23*

roving records *see* casual records/ recording

Rowberry, Pete 61:12, 62:15–16

Rowlands, Adam 61:22

Ruby-tailed Wasp (*Chrysis* sp.) *67:23*

Rusher, Paul *59*:*1*, 59:8

Rushmere St Andrew 79:7

Rutherford, Pauline *58*:*2*, 58:9

safety information, field events 74:17, 77:16

Sailors' Path, Snape 74:19, 75:25

St Edmundsbury Borough Council 69:18–19

Salcey Forest, Northamptonshire 70:15

Salisbury, Andrew 73:15

salt, and Purple Emperor 60:31

Saul, Ken 52:11

Saunders, Helen *65*:*20*, 80:3

Kelling Heath 61:18–19

Purdis Heath *59*:*23*, 63:19

Purdis Heath site species list 65:13

Silver-studded Blue, in Suffolk Butterfly Reports 66:12–13, 69:11–12, 72:15–16

Waitrose's Community Matters scheme 73:7

Scalloped Oak (*Crocallis elinguaria*) *85:30*

Scarce Swallowtail (*Iphiclides podalirius*) *52:31*, 54*:*20, *54:23*

Scarce Tortoiseshell (*Nymphalis xanthomelas*) 61:22–23, 63:8, 64:6–7, 66:9

distribution map *78:29*

identification *61:23*

scarcity per species (annual butterfly reports) *75:15t*, *78:13t*, *81:22t*, *84:22t*

Scarlet Tiger (*Callimorpha dominula*) *65*:*2*, 65:12

Scotch Argus (*Erebia aethiops*) *77:28*, 83*:*16–17, *83:16–17*

Scott, Alexese *88:26*

scrape habitats, Purdis Heath 65:9, 71:18

scythes (mowing) 76:17

training day *82*:*14–15*, 82:14–15

Searle, Mark *79*:*2*, 79:23

Sedge Fen, Lakenheath 55:20

*Sedum spectabile* 66:21, 87:17

seeds *see* A14 project, Newmarket; wildflowers

Segawa, Izumi *see* Izumi (artist)

Selfheal (*Prunella vulgaris*) 68:9

*Sensitivity of UK butterflies to local climatic extremes: which life stages are most at risk* (UEA) 69:5

Shardlow, Matt 65:17

Shepherd's Purse (*Capsella bursa-pastoris*) 84:12

Sherman, Neil

Box-tree Moth *71:2*

Broad-bordered Bee Hawk-moth *54:2*

Conservation Greenkeeper of the Year 77:9

Coxcomb Prominent larva *77:27*

Elephant Hawk-moth *68:2*

habitat creation for Silver-studded Blue 86:32

moth-finding 52:11

moth recording during lockdown 79:8–9

moth recording online 80:9

Olive Crescent *55*:*2*, 55:12

Open Garden Day, Prior's Oak 82:13

Purdis Heath 50:7

Suffolk Moth Group 75:5, 77:17, 86:8

Tiger Moths *65:2*

Shifting Sands project *71*:*2*, 71:9

Shimpling Park Farm 71:8

Shingle Street 70:12

shorthand recording system 57:10–11

Sidney, Julian *88:27*

Silver-spotted Skipper (*Hesperia comma*) 56*:*25, *56:27*, *77:28*

Silver-studded Blue (*Plebeius argus*) *52:2*, *55:7i*, *58:11i*, *61:1*, *61:19i*, *65:2*, *65:10*, *67:1*, *67:23*, *78:2*, *78:33*, 80*:*19, 84*:*5, *88:22*

2011 52:6

2012 55:7

aberrations *82:19*

annual butterfly reports 54:7, 57:6, 60:9, 63:12, 66:12–13, 69:11–12, 72:15–16, *72*:*17t*, 78:33–34, 81:17–18, 84:17

behaviours 58:8

Blaxhall Common translocation 59:15–16

and connectivity 62:17

counts at monitored sites *72:17t*

distribution maps *72:24*, *78:30*, *78:34*, *81:18*

early emergence 51:7

eggs and egg-laying 77:18

flight areas 58:8

flight periods *78:33*, *84:23*

Kelling Heath 61:18–19

larvae, foodplants, Common Birdsfoot 77*:*18, *77:18*, *77:27*

Martlesham Heath 77:6

pupa *67:23*

Purdis Heath 50:5, 50:6–8, 52:9, 53:15–16, 65:8–10, 67:21, 71:18, 85:5, 86:32–33

Pyrénées-Orientales 50:23–24

research project by Darren Flint 58:7–8

Upper Hollesley Common 55:15

Westleton 74:19

Silver-washed Fritillary (*Argynnis paphia*) *50:2*, *54:1*, 55*:*5–6, *55:28*, *59:2*, 64*:*7, *73:23*, *82:1*, *85:10*

2010 50:10

2012 55:8

2013 59:7

annual butterfly reports 54:8, 57:7, 60:8, 63:10, 66:10–11, 69:9, 72:12, 81:16, 87:13

Christchurch Park, Ipswich 84:7

courtship 57:18

distribution maps *59:2*, *63:10*, *78:22*, *78:30*, *81:16*

egg-laying 70:12

Ipswich and Sutton Hoo 64:12

with Large Tortoiseshell *85:28*

Northfield Wood 82:11

Pakenham Wood 86:12

Wheatfen Broad, Norfolk 63:23

Wolves and Ramsey Woods 67:14, 67:15

Silver-washed Fritillary (*Argynnis paphia* ab. *confluens*) *76:27*

Silver-washed Fritillary (*Argynnis paphia* ab. *valezina*) *64:2*, *74:28*

Silver Y (*Autographa gamma*) *68:9i*

Six-belted Clearwing (*Bembecia ichneumoniformis*) *52:2*, 52*:*11, *85:17*

Six-spot Burnet (*Zygaena filipendulae*) *77:9*, *81:32*

cocoon *63:28*

Six-spot Burnet (*Zygaena filipendulae* f. *flava*) *82:2*, *86:15*

Sizewell Belts 61:21, 76:21–22

Sizewell C, prime site for Lepidoptera 75:17–20

Skinner moth traps 79:12–13

skipper spp. 66:17, 79:21, 84:15

effects of mowing grass 87:15

and other underdogs 87:19–20

*see also* *individual species, e.g. Dingy Skipper (Erynnis tages*)

Skippers (*Hesperiidae*), annual butterfly reports 87:15

Slender Vervain (*Verbena rigida*) 73:17

Sloe Shieldbug (*Dolycoris baccarum*) *52:32*

Small Blue (*Cupido minimus*) 56*:*25, 76*:*23, *87:15*

annual butterfly reports 78:9, 81:20–21

distribution maps *78:22*, *78:30*

Landseer Park, Ipswich 84:11

releases 84:21

Small Copper (*Lycaena phlaeas*) *53:14i*, *55:9i*, *57:9i*, 67*:*10, *69:1*, *79:31*, *81:10*, *82:13*, *88:1*

2015 66:17–18

Beccles 86:15–16, 88:17

Cavenham Heath 85:27

distribution maps *78:22*, *78:30*

Downe Bank, Kent 51:14

feeding periods of larvae, and when to cut grass 79:21

flight periods *81:15*

Winterton, Norfolk 53:21

Small Copper (*Lycaena phlaeas* ab. *caeruleopunctata*) 51:14, *51*:*23*, 53:21, 56:22, *67*:*2*, 67:10

Beccles 86:16

Small Copper (*Lycaena phlaeas* ab. *radiata caeruleopunctata*) *76:27*, *86:14*

Small Eggar (*Eriogaster lanestris*) *63:24i*

larvae *50:2*, 50*:*9, *63:25i*

larval webs 63*:*24–25, *63:27*

Small Heath (*Coenonympha pamphilus*) *61:20i*, *69:2*, *78:37*, *79:32*

annual butterfly reports 54:8, 57:7, 60:10, 63:14–15, 66:16, 69:15, 72:19, 78:37, 81:19, 84:17

Christchurch Park, Ipswich 84:7

distribution maps *69:2*, *78:30*, *78:37*

feeding periods of larvae, and when to cut grass 79:21

flight periods *84:23*

Martlesham Heath demise and Suffolk decline 61:9–10

Shingle Street 70:12

small colony 79:24

Small Pearl-bordered Fritillary (*Boloria selene*) *58*:*24*, 84:10–11, *84*:*11*, *87*:*10*, 87:10

Small Ranunculus (*Hecatera dysodea*) 52:11

larva *52:2*

Small Skipper (*Thymelicus sylvestris*)

distribution maps *78:23*, *78:30*

and Essex Skipper compared 88*:*18–19, *88:19*

by Kev Ling 87:19–20

mating *87:18*

Small Tortoiseshell (*Aglais urticae*) *53*:*9i*, *58*:*14i*, *63*:*1*, *65*:*19i*, *73*:*9i*, *74*:*18i*, *77*:*10i*, *79*:*1*, 84:10

aberrations and size 85:7–8

Alton Water 58:13, 58:14

annual butterfly reports 75:9, 84:15–16, 87:14

distribution maps *78:23*, *78:31*

hibernation/ overwintering 56:15, 60:34, 62:10, 78:6

number of broods 87:14

with pupal shell 77*:*23, *77:27*

and *Sturmia bella* (Tachinid fly) 84:16

with Wall Brown *84:13*

Small Tortoiseshell (*Aglais urticae* ab. *osborni* Donckier, ab. *nigrita* Fickert) *61*:*2*, 61:3

Small Tortoiseshell (*Aglais urticae* ab. *semiichnusoides* Pronin) *85:8i*

Small White (*Pieris rapae*) *57:2*, 67*:*7, *83:27*

2014 63:16

coastal movements 78:7

distribution maps *78:23*, *78:31*

identification guide *80:2*

reflectance basking and solar energy 67:12

Small Yellow Underwing (*Panemeria tenebrata*) *81:32*

Smardale Gill, Cumbria 83:16–17

Smart, Ben, *Micro-moth Field Tips* 79:29

smartphones 57:12

Smith, Peter 82:9

Smith, Rob 76:7

Snape 74:19, 75:25

Snook, Reg 60:34

Snowdonia, Wales 84:10

social media 50:12, 79:8 *see also* Facebook

solar energy 67:12

Somerleyton 79:25

Soper, Derek 76:14–15

Soper, Derek and Valerie 55:17, *62*:*2*, 62:12, 80:18

Soper, Valerie *76:15*

Southern Grizzled Skipper (*Pyrgus malvoides*) *86:24*

Southern Small White (*Pieris mannii*) 70:16–18, *70*:*19–20*, 74:24

annual butterfly reports 84:20

identification 70*:*17–18, *80:2*

range expansion (map) *70:19*

sightings Belgium (map) *75:27*

sightings Netherlands (map) *74:24*

species champions 84:5

species maps *see* distribution maps (Suffolk)

species per tetrad *53:8t*–9

1995-2018 *78:15t–16t*

annual butterfly reports 54:9, 57:8, 60:10, 63:15, 66:17, 69:15–16, 75:12, *75*:*15t*, 78:10, 81:16–17, 84:16

Speckled Wood (*Pararge aegeria*) *57:1*, *77:24i*, 79*:*21, *79:32*, *87:2*, *87:7*

distribution maps *78:23*, *78:31*

by Kev Ling 87:20

Speckled Yellow (*Pseudopanthera macularia*) *62:23*, *87:28*

distribution map *62:23*

Spence, Nicola 73:15

Spencer, Simon 54:19, 68:19–20

Spring Wood Celebration Day 70*:*14–15, 75*:*23–24, *75:28*

Staines, Richard 61:9

Stanstead Great Wood, Sudbury, Purple Emperor survey 60:25, 60:29

*State of the UK's Butterflies 2015* 65:16, 66:7

Sterling, Phil, *Field Guide to the Caterpillars of Great Britain and Ireland* 77:26

Stewart, Marie 57:17–18

*Balancing the Scales* (quilt) *50*:*1*, 50:3

*Basking on Bark* (quilt) 65*:*22, *65:23*

Stewart, Richard

2012 56:13

2018 73:10

Ano Paroia, Greece (ten haikai) 50:13

Brown Argus 74:18

*Butterflies in Christchurch Park* 68:16

butterflies in Ipswich 52:13

butterfly nets 53:18, 56:16

butterfly thieves 70:14

Christchurch Park, Ipswich 57:9, 69:20, 71:19, 84:7

close focus binoculars 56:16

Clouded Yellows on Suffolk coast 61:10

Crete 69:22

*Dark Sky Dancing* (haiku verse) 51:5, 51:20

early emergence 52:12

garden buddleja 59:18

garden nectar plants: A is for Arabis 73:18

garden nectar plants: autumn 66:21

garden nectar plants: B is for Buddleia and Bowles Mauve Wallflower 74:23

garden nectar plants: C is for Candytuft 75:20

garden nectar plants: D is for Dandelion and Dames' Violet 76:13

garden nectar plants: E is for Erigeron 77:24

garden nectar plants: G is for Goldenrod 79:14

garden nectar plants: spring 64:10

garden nectar plants: summer 65:19

garden nectar sources: H is for Hyacinth and Hemp Agrimony 80:17

garden nectar sources: I is for Ivy 81:23

garden nectar sources: L is for Laurel and Lavender 82:20–21

garden nectar sources: M is for Michaelmas Daisy and Marjoram 83:21–22

garden nectar sources: M to O 84:7

garden nectar sources: P 85:16

garden nectar sources: R 86:17

garden nectar sources: S 87:17

garden nectar sources: T 88:12–13

gardening for butterflies at Flatford 65:20

Grayling colony at Winterton 53:21

haiku written in Cumbria 58:22

hibernating butterflies 60*:*34, *60:35*

Hummingbird Hawk-moth 86:16–17

importance of Butterfly Conservation branches 51:9

in memory of Steve Goddard 75:6–7

more about Monarchs 87:20–21

North Downs 55:16

obituary of Beryl Johnson 77:10

obituary of Jim Foster 71:6

Open Garden Days, Prior's Oak 68:13, 71:22, 76:21, 82:13–14, 85:14–*15*, 88:25–26

Painted Lady and Garden Spider 50:22

Purple Hairstreak, six places 72:21

Red Admiral on rotting fruit *86:17*

Rendlesham and Tangham Forest 55:15

review of *Butterflies: a very British obsession* (TV programme) 50:21

review of *Butterfly Isles* (Barkham) 54:15–16

review of *In Pursuit of Butterflies* (Oates) 66:27–28

review of *Lady of the Butterflies (*Mountain) 51:19

Silver-washed Fritillary 63:23, 64:12

Small Heath 70:12

Small Tortoiseshell 60:34

Strawberry Tree as nectar source 79:24–25

Sussex trip: ten haikai 55:14

Swallowtail garden, Strumpshaw Fen 67:9

Swallowtail gorganus 61:11

Swallowtail open day, Wheatfen 52:14

Swallowtail, six of the best sites 62:13–14

unexpected sightings 81:25

visiting the Monarchs 58:15

Wall Brown 59:17, *83*:*21*, 83:21

Wheatfen Broad, Norfolk 57:16

White Admiral, six of the best sites 63:22

*Wildlife Garden at Aldeburgh* 80*:*8, 80*:*24, *80:25*

Winter into Spring (butterfly haiku) 62:7

Stockton, Norfolk 88:17

Stoke-by-Nayland, Giffords Hall 85:12

Stone, Bill 55*:*5, 80*:*3, *81:2*

2013 59:7

2013 Butterfly Report 60:6–11

2014 Butterfly Report 63:6–17

2015 Suffolk Butterfly Report 66:7–19

2016 Suffolk Butterfly Report 69:5–17

2017 Suffolk Butterfly Report 72:9–19

2018 Suffolk Butterfly Report 75:7–16

2019 Suffolk Butterfly Report 78:5–37

2020 Suffolk Butterfly Report 81:14–22

Balkan butterfly holiday 59*:*20–22, *59:23*

Birdfair from a butternutter's perspective 58:16–17

black holes 75:21–22

Buddleja 57:13–14

Clouded Yellow 59:18–19

Dingy Skipper 75*:*24–25, *81:21*

Gatekeeper *76:28*

Large Tortoiseshell identification 60:2

late summer butterflies, Alton Water 58:13–14

Orange-tip eggs *57:2*

Peacock *81:14*

planting for butterflies in new garden 62:18–19, 63:23

Purple Project 60:31–32

recording with technology 57:12

Red Admiral 62:10–11

Scarce Tortoiseshell 61:22–*23*

Silver-washed Fritillary *55:28*

Small Heath decline 61:9–10

Small Tortoiseshell *63:1*

Southern Small White 70:16–18, 74:24

Trimley Marshes 71:25

Stradbroke 52:17

Straw-barred Pearl (*Pyrausta despicata*) *63:28*, 82*:*12, *86:2*

Strawberry Tree (*Arbutus unedo*) *79*:*16*, *79*:*17*, 79:24–25, 87:17

Strumpshaw Fen, Norfolk 62:13–14, 67:9, 70:14, 76:13

*Sturmia bella* (Tachinid fly) 84:16

*Suffolk Argus*

as PDF 77:5

Volume 1 (January 1994) 50:5, 74:5

Suffolk Butterfly Reports

2011 by Rob Parker 54:6–9

2012 by Rob Parker 57:5–8

2013 by Bill Stone and Rob Parker 60:6–11

2014 by Bill Stone and Rob Parker 63:6–17

2015 by Bill Stone 66:7–19

2016 by Bill Stone 69:5–17

2017 by Bill Stone 72:9–19

2018 by Bill Stone 75:7–16

2019 by Bill Stone 78:5–37

2020 by Bill Stone 81:13–22

2021 by James Corton 84:13–27

2022 by James Corton 87:7–16

2023 87:15–16

Suffolk Coast & Heaths AONB 80:19

Suffolk County Council, Country Parks 51:5, 52:7

Suffolk Moth Group 75:5, 77:17

indoor meeting 2023 86:8

recording on website 79:8, 80:9

records at SWT sites 83:15

website 77:9

Suffolk Wildlife Trust

moth records 83:15

recorders for farmland surveys 71:8

*see also* *individual reserves, e.g. Carlton Marshes*

sugar beet, and neonicotinoids 80:22, 81:29

Summer grass Winter bug 77:25

Surrey Downs 53:19–21, *53*:*32*, 55:16

Susie Mellor Legacy 65:4, *69*:*23*, 82:7, 83:14

Sussex 56*:*22–25, *56:27*

ten haikai by Richard Stewart 55:14

Sustainable Farming Incentive (SFI) 81:29–30

Sutton Heath, Woodbridge *73*:*2*, 73:12–13

Swallow-tailed Moth (*Ourapteryx sambucaria*) (artwork) *82:28*

Swallowtail (*Papilio machaon*) *52:14i*, *62:4i*, *67:9i*, *71:28*, *81:1*, *81:27*, *83:19*, *85:20*, *86:25*

annual butterfly reports 60:8, 75:10–11, 81:20, 87:10–11

caterpillars stolen 70:14

distribution maps *78:23*, *78:31*

in review of *Butterfly Isles* (Barkham) 54:16

six sites in Norfolk Broads 62:13–14

Strumpshaw Fen, Norfolk 67:9

Wheatfen Broad, Norfolk 52:14, 57:16, 70:15

Swallowtail (*Papilio machaon gorganus* 'European') *52:31*, 55*:*22, *55:22i*, 61*:*11, 63*:*8, *70:2*, *77:28*

annual butterfly reports 87:11

Sweet Rocket (*Hesperis matronalis*) 76*:*13, 77*:*24, 87*:*17, *87:17*

Sweet William (*Dianthus barbatus*) 87:17

Sweetman, Jo *55:13*

Tangham and Rendlesham Forests 55:15, 63:22

Taylor, Malcolm *85:28*

Taylor, Mike 85:26–27

teasels (*Dipsacus* spp.) 88:12

Ted Ellis Nature Reserve, Norfolk 52:14, 70:15

temperature control 79:27

temperature extremes, and butterfly population changes 85:6–7

tetrad counts and averages *see* species per tetrad

Theberton Wood/s *80:2*, 80*:*10–12, *83:28*

Forestry England operations 83:6–9, *83*:*7–8*, 86:33–35

management and wildlife 80:11–12

maps *66:26*, *83:2*, *83:7*, *86:34*

Purple Emperor 61:12–13

site guide 66:25–26

thermal imaging devices 82*:*23, *82:23*

Thomas, Jeremy 85:9

Thornton, Orla 88:25

Thorpe Morieux, Newsons Farm 85:9

Thrift (*Armeria maritima*) 88:12

Thurston

2022 sightings 85:16–17

Green Farm butterfly walk 88*:*21–22, *88:21*

housing development 80:21, *81*:*30*, 81:30–31, 83:19–20

leaflet drop 88:20

moth records 85:30–31

rainfall records 85:25–26

White-letter Hairstreak, elms and development 72:6

Thyme (*Thymus vulgaris*) 88:13

ticks 52:20, 81:11

Tiger Hill, Bures St Mary 70:15

Tiger Swallowtail (*Papilio glaucus*) 64:8

tiger moths 65:12

Tipling, David 83:18

Titchmarsh, Alan 66:22

Toadflax Brocade (*Calophasia lunula*) 62:12, 79:8–9

larva *62:2*

toadflaxes (*Linaria* spp.) 68:10

tobacco plants (*Nicotiana* spp.) 79:9, 88:12–13

Tomlinson, David

Apollo *81*:*12*, 81:12

*Charaxes*, especially *jasius* 75*:*25–26, *75:26–27*

Elephant and other hawkmoths 82:25–26

Kerkini, Greece 50:14–18

Large Blue 88*:*9–12, *88:11*

late-season in Andalucia and Greece *86*:*23–26*, 86:23–26

Marsh Fritillary *87:28*

Orange-tip *87:28*

Painted Lady 76*:*9–10, *76:10*

Purple Emperor obsession 85*:*17–19, *85:19*

Swallowtail 83*:*18–19, *83:19*

Wall Brown 86*:*18, *86:26*

Totternhoe, Bedfordshire 51:9, 76:10–11

Tour Batère, France 51:17–18

Townley, Helen 61:16

Townsend, Martin, *British and Irish Moths: an illustrated guide to selected difficult species* 50:20

transects

annual butterfly reports 54:9, 57:8, 60:10–11, 63:16, 66:18

annual butterfly reports 2016 onwards *see* UK Butterfly Monitoring Scheme (UKBMS)

recording schemes and available sites 53:6, 66:24, 77:19, 81:7–8, 82:8, 86:36

Tree-lichen Beauty (*Cryphia algae*) *82:26*

trees, drought stress 86:37

trends (annual butterfly reports) *see* species per tetrad

Trimley Marshes 71:25

Triple Goddess 79:20

Tunstall Forest 63:22, 74:19–20

turf stripping 72:20

Twitter 50:12, 55:24

Two-tailed Pasha (*Charaxes jasius*) *55*:*23i*, *67*:*24*, 68:19, 69:22

by David Tomlinson 75*:*25–26, *75:26–27*

by James Mann *76*:*2*, 76:13–14

Tyler, Jonathan *51:2*

UK Butterfly Monitoring Scheme (UKBMS) 64:18–19

annual butterfly reports 69:16, 72:12–13, 75:7, 75:12–13, 78:5, 78:6, 78:10, 81:21, 84:21

award to Rob Parker *68:2*

*see also* transects; Wider Countryside Butterfly Survey (WCBS)

*Ulmus* 'Nanguen' Lutèce 76:24, *76*:*24*, 77:25

Underwood, Joe 58:6

University of East Anglia (UEA), *Sensitivity of UK butterflies to local climatic extremes: which life stages are most at risk* 69:5

univoltine butterflies, impacts on population of climate extremes 85:6–7

unusual species, annual butterfly reports 54:8–9, 57:7, 60:8, 63:10–11, 66:11, 69:9, 72:12, 87:9–10

Upper Hollesley Common 55:15

Urban Buzz (Buglife project) 68:14, 70:9, 72:20, 76:18

Urodid moth 83:23

UV LED moth traps 79:12–13

Vagrant Emperor (*Anax ephippiger*) dragonfly 80*:*20, *80:28*

Valley Road, Ipswich 79*:*14, *79:16*

Van Swaay, Chris 61:22, 63:11

Southern Small White 70:16, 70:17, *70*:*19–20*, 74:24

Vantieghem, Pieter 74:24

Vapourer (*Orgyia antiqua*) 74:17

larva *74:2*

Vass, Deborah 72:22, 88:18

Mother of Pearl *72:23i*

Peacock *78:16i*

Small Tortoiseshell *74:18i*

wasp *73:15i*

White Ermine *72:23i*

Winter Moth *72:22i*

vegetable gardening 62:12

*Verbena bonariensis* 51:20, 62:12

*Verbena rigida* (Slender Vervain) 73:17

verge-cutting 79:28

Vietnam 50:22

Vine's Rustic (*Hoplodrina ambigua*) *85:29*

Viper's-bugloss (*Echium vulgare*) 68*:*10, *71:2*

Viviparous or Common Lizard (*Zootoca vivipara*) *52:2*

volunteers/ volunteering 66:23–24, 74:22, 78:5

Purdis Heath 50*:*7–8, 53*:*15–16, *56:8–9*, *61:24*

Wade, Twm 55:18

A14 project, Newmarket 70:7–8, *70*:*8*, 73:21, 81:6–7

black holes 75:21–22

butterfly counts from WCBS and transects 86:36

Cavenham Heath *85:26*

Chalkhill Blue *59:24*

helping nature by recording 86:12–13

*Memorable Moments* (poem) 67:13

*Oh! My Lady* (poem) 64:11

Peacock *85:13*

photographic competition 63:21

Plant Heritage, Helmingham Hall *66:31*

Red Lodge Heath 64:16, 71:21, 76:21

transects and other recording schemes 81:7–8

transects and WCBS 77:19

UKBMS coordinator 75:7

why I volunteer 66:23–24

Wider Countryside Butterfly Survey (WCBS) 59:10–11, 60:11–12, 62:8, 65:11, 71:10–11, 74:8, 74:22, 83:15

Wagstaff, John 61:18–19

Waitrose 69:8, 73:7

Walberswick 50:19–20

Wall Brown (*Lasiommata megera*) 50*:*26, *50:27*, *51:1*, *51:2*, *51:7i*, *52:19i*, *55:8i*, *55:27*, *59:2*, *69:23*, *74:9i*, *74:21i*, *74:28*, *78:36*, *81:27*, *83:21*, *84:29*, *85:21*

1995-2011 54:11

2011 survey 51:8, 53:7, 54:10–11

2012 55:8

2012-13 59:7

2013 59:17

Angles Way survey 64:18

annual butterfly reports 54:8, 57:6–7, 60:9–10, 63:14, 66:15–16, 69:14–15, 72:18–19, 78:36–37, 81:19, 84:15, 84:17–18, 87:12

Carlton Marshes 74:9, 74:21

distribution maps *50:27*, *54:11*, *59:2*, *78:31*, *78:36*

Edburton, Sussex 56:23

flight periods *66:15*, *69:14*, *78:37*, *84:24*

Mam Tor, Derbyshire 84:11

North Norfolk and Europe 86*:*18, *86:26*

Orford survey 61:20

Sedge Fen, Lakenheath 55:20

with Small Tortoiseshell *84:13*

Somerleyton 79:25, 83:21

three generations 62:14, 63:14, 78:36–37, 84:17–18

west Suffolk and Cambridgeshire 52:18–19

Walsh, David *76:2*, *76:28*

Walshe, John 58:10

Warmington, Keith *53:31*

Warminster, Wiltshire 51:16

Warren, Martin 61:14–15, 65:17

*Butterflies: a natural history* 83:24

wasps *73:15i*

caterpillars as food 73:15

species at Purdis Heath 67*:*22, *67:23*

Waters, Simon *78:2*, *80:27*

Watkins-Pitchford, D. J. ("BB") 85:17–18

Wax Moth (*Galleria mellonella*) 77:23

weather

awful in 2012, impact 55:19

drought effects 2018 74:22

early emergence and other impacts 2018 73:12–13

East Anglia 54:6, 57:5, 60:6, 63:6, 66:8, 69:6

impacts on butterflies 69:5

UK 60:6, 63:6–7, 66:8, 69:6, 75:8, 78:5–6, 81:14–15, 84:14, 87:8–9

websites

Butterfly Conservation - Suffolk Branch 53:25, 55:10, 75:7–8

Suffolk Moth Group 77:9, 79:8, 80:9

Wells, Marion *82*:*2*, *82*:*24*, *82*:*27–28*, 82:27–28

West Hall Farm, Rickinghall 75:25

Westerfield Station *81:6*

Westleton, Silver-studded Blue 74*:*19, *82:19*

Whall, Steve 80:11–12

Wheatfen Broad, Norfolk 52:14, 57:16, 63:23, 70:15

wheelbarrows 62:9

Wherstead Wood 81:24

*Which? Gardening* (magazine) 83:25

White, Martin 50:21, 82:10

White, Vicky *86:35*

White Admiral (*Limenitis camilla*) *51:13i*, *52:7i*, *55:27*, *56:18i*, *58:10i*, *64:23*, *67:14i*, *70:6i*, *74:28*, *76:22i*, *76:27*, *81:24*, *83:28*, *85:21*, *86:5i*, *87:14*, *88:24*

annual butterfly reports 54:7, 57:6, 60:9, 63:13, 66:14, 69:13, 72:16, 72:18, 78:35, 81:18–19, 84:17, 87:13

Beccles and Ipswich 81:25

Bradfield Woods 55:21

distribution maps *60:36*, *78:31*, *78:35*

Downe Bank, Kent 51:13

Facebook 55:20–21

flight periods 78*:*35, *84:24*

Honeysuckle 56:18, 56:19

*see also* Honeysuckle planting project, Ipswich

invitation to watch by Rob Parker 74:19–20

larvae 56*:*19, 81*:*24, *81:24*

life cycle 81:24

Mildenhall Woods by Mervyn Crawford 56:18–19

Northfield Wood, Stowmarket 58:10

observations by Kev Ling 81:23–24

pupae 56*:*19, *56:19i*

six of the best sites 63:22

Wolves and Ramsey Woods 67:14, 67:15

White Admiral (*Limenitis camilla* ab*. obliterata*) *80:27*

White Dead-nettle (*Lamium album*) 68:8

White Ermine (*Spilosoma lubricipeda*) 72:22, *72*:*23i*, 79:7

White-letter Hairstreak (*Satyrium w-album*) *51:7i*, 52*:*23–25, *53:7i*, *55:7i*, *62:1*, *66:31*, *69:2*, *74:11*, 76*:*24, *76:27*, *78:34*, *80:17i*, *84:18*, *84:24*, *85:17*, *88:8*

2022 sightings 85:16

annual butterfly reports 54:7, 57:6, 60:9, 63:13, 66:13–14, 69:12, 72:16, 78:34, 81:18, 84:18

distribution maps *66:2*, *69:2*, *72:24*, *78:32*, *78:34*

early emergence 51:7

eggs and egg-laying *76:24*, *76:28*, *79:2*

and elms 69:18–19, 72:6, 77:25, 81:30–31

flight periods *84:24*

Ipswich 52:13

Northfield Wood, Stowmarket 58:10

White Plume moth (*Pterophorus pentadactyla*) *63:28*

White-point (*Mythimna albipuncta*) 53:25

Whites, identification guides *80:2*

Whites and Yellows (*Pieridae*), annual butterfly reports 87:11*–12*

*Why Are We Netting* (poem by Wilfrid George) 54:18

Whybrow, Bill 71:23

Whybrow, Ian

*A close look for an Adonis Blue with a seeing eye* (poem) 84:30

Gatekeeper *84:28*

*The Gatekeeper* (poem) 84:28

Wider Countryside Butterfly Survey (WCBS) 50:12, 51:12, 53:7, 57:4, 60:11–12, 66:23–24, 83:15

annual butterfly reports 63:17, 66:19, 69:17, 72:13, 75:13–14, 78:11, 81:21, 84:21

Gill Perkins 74:22

results summaries 54:12–13, 56:11, 62:8, 65:11, 71:10, 74:8, 77:19, 86:36

squares available 59:10–11, 60:11, 62:8, 67:10, 71:11, 77:20–21, 86:36

Wild Ipswich 68:14–15

Wild Spaces (BC campaign) 86:31–32

wildflowers *79:15*

for the garden 68:8–11

meadows 54:17, 68:6–8, 85:9, *88*:*4*, *88*:*13*, 88:13–14

plantings *79:17*, *79:18*

pollination and neonicotinoids 64:15

seed project 2020 79*:*14, 79*:*19, 80*:*7, *82:22*

tips for sowing and growing 77:5

*Wildlife Garden at Aldeburgh* (Stewart) 80*:*8, 80*:*24, *80:25*

Wilkins, Philip *88*:*17*, 88:17

Willis, Trudie *88:6* *see also* Prior's Oak, Aldeburgh

wills 57:8

Wiltshire, Cotley Hill 51*:*16, *51:23*, 52*:*12, 69*:*21, *69:23*

wings

in designer ornaments 79:28

and hemolymph 79:28

structures 66:24

*Wings in the Meadow* (Brewer) 86:30

wingspans, size variation in Red Admirals 55:9

Winter Moth (*Operophtera brumata*) *72:22i*, *83:1*

Winterton, Norfolk 53:21, 57:17–18

Wissett 85:11–12

Witherby, Alan 85:11–12

Wolfe, Stella 52:4, 52:16, 54:16, 57:14

Wolves Wood, Hadleigh 64:7, 71:24, 73:10

Purple Emperor survey 60:26, 60:29

site guide 67:14–15

Wood White (*Leptidea sinapis*) 64*:*7, *64:24*, 70*:*15, *77:12*

Woodland Brown (*Lopinga achine*) *64:23*

woodland butterflies 73:14

woodland habitat

coppicing, and Heath Fritillary 64:14

for Purple Emperor (with rating system) 60:24–25, 60:31–32

Woolnough, Marc 50:7

Woolnough, Steve 77:9, 80:3

Wordwell, Bury St Edmunds *75:28*

WREN Biodiversity Action Fund 56:8

Wyken Vineyards 76:20–21

*Xanthopan Morganii praedicta (*Morgan's sphinx moth) 82:10

*Xylella fastidiosa* (plant bacterium) 73:15

Yellow-legged Clearwing (*Synanthedon vespiformis*) *73:24*

Yellow-legged Tortoiseshell (*Nymphalis xanthomelas*) *see* Scarce Tortoiseshell (*Nymphalis xanthomelas*)

Yellow Rattle (*Rhinanthus minor*) 68:10

Yellow Shell (*Camptogramma bilineata*) *81:32*

Yellow-spot Tortrix (*Pseudargyrotoza conwagana*) 81*:*8–9, *81:9*

young adults 85:29

Zebra Longwing (*Heliconius charithonia*) 66:11

Zig-zag Sawfly (*Aproceros leucopoda*) 73*:*15, *73:23*

larval damage *73:23*

Index created by Paul Douch

Contact waveneyindexing@outlook.com