

BSBI News



INDEX

to

Nos 141 – 150

April 2019 to April 2022

Compiled by

GWYNN ELLIS

ISSN 2397-8813



GUIDE TO THE INDEX

ABBREVIATIONS

AEM	Annual Exhibition Meeting	Lvs	Leaves
AGM	Annual General Meeting	NBDC	National Biodiversity Data Centre
ASM	Annual Summer Meeting	NCR	New County Record
BI	Britain & Ireland	NPMS	National Plant Monitoring Scheme
CBSR	County Botanical Site Register	NYPH	New Year Plant Hunt
cf.	confer (compare)	prob.	probably
congrats	congratulations	Rev.	Review
CS	Countryside Survey	Rpt	Report
del.	delineavit (drawn)	s.l.	sensu lato (broad sense)
Descr.	Description	s.s.	sensu stricto (narrow sense)
Diag.	Diagram	ssp.	subspecies
Exbn	Exhibition	var.	variety
Exbt	Exhibit	v.c.	vice-county
f.	forma	v.cc.	vice-counties
Fld Mtg Rpt	Field Meeting Report	VCR	Vice-county Recorder
Fls	Flowers	♀	female
Frs	Fruits	♂	male
Herb. spec.	Herbarium specimen	[]	Items in square brackets (apart from colour page numbers) generally indicate an insertion by the compiler for clarity
Illus.	Illustration		
Infl.	Inflorescence		

ACKNOWLEDGEMENTS: The compiler wishes to thank David Pearman for much helpful advice and for scrutinising the final text. However, responsibility for checking the index and its final form rests solely with the compiler.

BOOKS *et al.* are *italicised* as are Periodicals and scientific names

English names are usually omitted

Definite and indefinite articles [The, A, etc.] are mostly omitted from the start of an index entry

CAPTIONS to photos and **TITLES** of Papers may be abbreviated to save space

COLOUR PHOTOS: In the index, as coloured images in *BSBI News* are now on all or most pages, only a selected few are indexed separately, these are numbered accordingly with the qualifier (Photo). The front cover and inside front cover are numbered [i] and [ii] respectively while the inside back and back cover pages are numbered according to the number of pages, thus with an issue of 82 pages the inside back cover is [81] and the back cover [82].

DESCRIPTION (Descr.) refers to any descriptive data, however scant.

HYBRIDS are indexed under the hybrid name and only under the hybrid formula if no name has been given.

ISSUES	No. 141 — Apr. 2019 [84pp]	No. 146 — Jan. 2021 [88pp]
	No. 142 — Sep. 2019 [84pp]	No. 147 — Apr. 2021 [84pp]
	No. 143 — Jan. 2020 [84pp]	No. 148 — Sep. 2021 [92pp]
	No. 144 — Apr. 2020 [88pp]	No. 149 — Jan. 2022 [88pp]
	No. 145 — Sep. 2020 [88pp]	No. 150 — Apr. 2022 [92pp]

NAMES of contributors are in SMALL CAPITALS. Where a person's name appears in more than one way in the text of *BSBI News* it has been standardized in the index to the one used most frequently.

PHOTOGRAPHERS: are not indexed to save space but an index to them may be available as a PDF on the BSBI Website.

QUALIFICATIONS are in brackets in alphabetical order followed by vice-county numbers (in **bold**) in the order v.c.1 – 112, v.c.H1 – H40, v.c.113. Vice-county names follow the list on the inside back cover.

VICE-COUNTIES when included as separate entries are indexed by V.c. number followed by the name.

INDEX

BSBI NEWS Numbers 141 to 150

- 100km grid squares, OS (Map) **142** 38
- 101 Rare Plants of Wales* by Lauren Marrinan & Tim Rich (Rev.) **145** 77-78
- A**bbott, Phyllis Patricia (1936-2021) (Obit) (Photo) **150** 78-80
 – Report of death of (Biog.) **148** 80
- Abies* – extra taxa in Stace 4 **141** 10
- Abies fraseri* (v.c.64) **143** 55
- Abundance – need simple method to record **149** 82
- Acaena novae-zelandiae* (v.c.49) **149** 64
 – co-habitant of roadside halophytes (v.c.67) **149** 30
 – Potentially intrusive neophyte (v.c.81) **144** 24
- Access, Members', to the BSBI's Distribution Database **147** 54
- Acer pensylvanicum* (Descr.) (1st record v.c.12) **150** 51; (Photos) **150** 52
- Acer platanoides* – infested by *Viscum album* in v.c.24 **141** 19
- Acer pseudoplatanus* (v.c.58) **147** 23
 – infested by *Viscum album* in v.c.24 **141** 19
 – sample image for AI id. (Photos) **144** 35
 – *Ulmus glabra* tree in fruit in April (with leafless.) (Photo) **148** 23
- Acer rubrum* (v.c.64) **142** 45
 – *Viscum album* host in v.c.25 **143** 26
- Acer saccharinum* – infested by *Viscum album* in v.c.24 **141** 19; v.c.25 **143** 26
- Achillea maritima* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Acorus calamus* (v.c.63) **143** 6, 8, 10
- Acorus gramineus* (1st record v.c.35) **142** 63
 – ‘Variegatus’ (v.cc.16, 35) **145** 46
- Actaea rubra* f. *neglecta* (Descr.) (1st BI record v.c.95) **146** 46-47
 – Speybridge (v.c.95) (Photo) **146** 47
- Actaea spicata* (v.c.64) **143** 55
- Adams, Dr James ('Jim') – Report of death of (Biog.) **144** 76
- ADAMS, KEN – Rev. of *Britain's Orchids. A Field Guide to the Orchids of Great Britain and Ireland* (by Sean Cole & Mike Waller) **147** 73-74
 – Rev. of *Flowers of the Field: A Secret History of Meadow, Moor and Wood* (by Steve Nicholls) **145** 77
 – resigns after 47 years as VCR for v.c.18 & 19 (Biog.) **149** 57
 – (Ed.) *Essex Botany*. Newsletter of the Essex Botanical Society, nos. 1-9, 2015-2019 (Rev.) **142** 75
- Adder's-tongue Dispersal [Poem] **147** 80
- Address changes – details required **143** 3; **150** 73
- Adiantum microphyllum* – naturalised indoor tropical weed (v.c.83) **145** 51
- Administration and Important Addresses **141** [ii]; **142** [ii]; **143** [ii]; **144** [ii]; **145** [ii]; **146** [ii]; **147** [ii]; **148** [ii]
- Administration, BSBI **149** [ii]; **150** [ii]
- Adoxa moschatellina* – Adoxaceae in Stace 4 includes *Sambucus* and *Viburnum*, as well as *Adoxa* (Photo) **141** 11
- ADVENTIVES AND ALIENS **141** 41-57; **142** 40-55; **143** 34-45; **144** 50-64; **145** 42-56; **146** 40-57; **147** 40-53; **148** 37-58; **149** 44-54; **150** 50-72
- Adventives and aliens found along the North Norfolk and Dilham Canal (v.c.27) (Table: 73 taxa listed) **147** 50
- Adventives and Aliens News 17 [Photos] **141** 41-47; **18** [Photos] **142** 40-46; **19** [Photos] **143** 34-40; **20** [Photos] **144** 50-55; **21** [Photos] **145** 42-48; **22** [Photos] **146** 40-47; **23** [Photos] **147** 40-47; **24** [Photos] **148** 37-44; **25** [Photos] **149** 44-53; **26** [Photos] **150** 50-57
- Advertising in *BSBI News* **146** 85; **149** 83
- Aegilops cylindrica* (Descr.) (v.cc.12, 29, 33) **145** 43
- Aegonychon* – splits from *Lithospermum* in Stace 4 **141** 12
- Aegonychon purpureocaeruleum* (v.c.14) **141** 43; (1st Record v.c.19) **144** 52
- Aesculus hippocastanum* – infested by *Viscum album* in v.c.24 **141** 20
- Aethusa cynapium* ssp. *agrestis* (v.c.10) **148** 25
- Agamosperous apomicts – examples **150** 22
- Agapanthus praecox* (1st Welsh record v.c.49) **149** 64
- Agastache rugosa* (v.c.27, H39) **150** 54; (1st record v.c.47) **150** 55
 – Sheringham, (v.c.27) (Photo) **150** 53
- Agrimonia* – Further common problems with field identification (Illus.) **147** 15-16
- Agrimonia eupatoria* (Descr.) **147** 15; (Illus.) 16
 – constituent of wildflower seed mixtures **145** 21
 – vs *A. procera* – identification problems **147** 15
- Agrimonia procera* (Descr.) **147** 15, (Illus.) 16; (v.c.35) **146** 63; (v.c.47) **149** 64; (v.c.48) **148** 69; (Skye, (v.c.104) **144** 73
- Agrostis capillaris* (v.c.58) **147** 23; (v.c.59) **142** 23
- Agrostis gigantea* (v.c.79) **146** 66
- Agrostis stolonifera* (v.c.63) **143** 8, 11; (v.c.H22) **144** 17
 – Norfolk Ponds Project (v.c.27) **146** 11
- Agrostis vinealis* – Savernake Forest (v.c.7) **142** 37
- Ailanthus altissima* (v.c.21) **147** 43
- Ainsdale strandline plants, Exceptional diversity of, at Merseyside [v.c.59] [Graphs] [Photos] [Tables] **149** 3-10
- Aira praecox* (v.c.59) **142** 23
- Aisbitt, Richard, joined by Katherine Newbert as joint VCR for v.cc.7&8 **149** 58
- Ajuga chamaepitys* (v.c.17) **145** 60
- Akebia quinata* (Descr.) (v.c.9) **150** 51
 – one of Plant Alert's recent records (Photo) **144** 64
- AKERROYD, JOHN, & HELENA CROUCH – *Persicaria glabra* – a potentially overlooked birdseed alien [Photos] **144** 56-57
- Akeroyd, John, Liz Cowley & Donough O'Brien – *Plants & Us. How They Shape Human History and Society* (Rev.) **149** 80-81
- Alchemilla* – 2 overlooked micro-species in v.c.90 **142** 26-27
 – *A Field Guide to the Lady's-mantles of the British Isles* by Barbara G. Hogarth (Rev.) **146** 78-79
 – *A Study of the Alchemilla Micro-species Found in Northern Scotland* by Barbara G. Hogarth (Rev.) **146** 78-79; paperback on Amazon **142** 27
 – extra taxa in Stace 4 **141** 11
 – micro-species found in the north-east of Scotland [Photo] **142** 26-27
 – stipules different on basal & stem lvs **144** 30

- Alchemilla acutidens* agg. – remains on Red Data Waiting List (2019-2020) **147 27**
- Alchemilla acutiloba* – Angus (v.c.90) **142 26**
- Alchemilla 'cairnwellensis'* – (Descr.) (v.c.92) **142 26-27**
– first found on the Cairnwell [v.c.92] (Photo) **142 27**
– & *A. 'caledonica'*, Papers describing, available from Barbara Hogarth on request **142 27**
- Alchemilla 'caledonica'* – (Descr.) (v.c.90) **142 26**
- Alchemilla conjuncta* (Descr.) (1st record v.c.58) **147 46**
- Alchemilla filicaulis* (v.c.48) **148 69**
- Alchemilla glaucescens* (v.c.64) **143 54**; (v.c.85) **145 30**; (v.c.90) **142 26**
- Alchemilla sciura* – added to Red Data List (2019-2020) **147 27**
- Alien / non-native taxa – increased greatly in the past sixty years **142 7**
– relatively scarce in Countryside Survey sampling plots **142 7**
- Alien species – do they increase or decrease biodiversity? **145 82**
– Look forward Scotland, embrace, **145 82-84**
– not included when assessing biodiversity **145 82**
- Alisma lanceolatum* (v.c.63) **143 6, 8, 10**
- Alisma plantago-aquatica* (v.c.63) **143 6, 8**
- Alliaceae – becomes Amaryllidaceae (retains same genera) in Stace 4 **141 12**
- Alliaria petiolata* (v.c.58) **147 24**
- Allium* – A hairy garlic in January, but which one? (Photo) **145 52**
- Allium ampeloprasum* – conservation work (v.c.52) **146 65**
– Jackdaw Point, Flat Holm [v.c.41] (Photo) **146 50**
- Allium ampeloprasum* var. *ampeloprasum* at Piedale, Portugal produces fertile seed **146 50**
– no seed observed in any BI specimens examined **146 50**
– on Flat Holm (v.c.41) probably a sterile cultivated clone **146 51**
– on sea cliffs at Piedale, Portugal with (inset) ripe seed (Photo) **146 51**
- Allium ampeloprasum* var. *babingtonii* (v.c.48) **145 63**
– and var. *bulbiferum* – prob. single ♂ sterile and ♀ sterile clone **146 51**
- Allium ampeloprasum* vars., Inflorescences from, cultivated in garden, Cardiff [v.c.41], (Photo) **146 51**
- Allium carinatum* (Descr.) (?1st record v.c.15) **144 51**
- Allium cernuum* – 1st British record (Descr.) (v.c.2) **141 41**
- Allium narcissiflorum* (Descr.) **141 43**
- Allium nigrum* (v.c.12) **144 50**
- Allium paradoxum* (v.c.35) **142 44**
– Invasive non-native plant **142 4**
- Allium scorodoprasum* (v.c.64) **143 54**
- Allium siculum* ssp. *dioscoridis* (Descr.) (v.c.64) **149 51**
- Allium sphaerocephalon* (v.c.34, 1st record v.c.95, 113J) **149 53**
- Allium subhirsutum* (Descr.) (v.c.17) **145 52**
– Distribution in Britain of plants named as, (Map) **145 53**
– and *A. trifoliatum* in Surrey (v.c.17), Know your Onions, [Photos] **145 52-54**
– and *A. trifoliatum*, showing uppersides & undersides of tepals and anthers (Photos) **145 53**
- Allium subhirsutum* × *A. trifoliatum* – ? putative hybrid in BI **145 54**
- Allium trifoliatum* (Descr.) **145 42**; (v.c.1a) **142 41**; (v.c.17) **145 52**; (v.c.27) **147 48**; (1st record v.c.42) **62**
– commoner than *A. subhirsutum* in v.c.17 **145 53**
– not on MapMate list of vascular plants **145 53**
– redet. of *A. subhirsutum* (1st record v.c.3) **142 40**
- Allium triquetrum* – one of Plant Alert' top 10 recorded species in 2020 **144 64**
– Potentially intrusive neophyte (v.c.81) **144 24**
- Allium tuberosum* (v.c.14) (1st Scottish record v.c.83) **148 43**
- Allium vineale* var. *compactum* (v.c.48) **145 63**
- Alnus glutinosa* (v.c.96) **142 59**
– infested by *Viscum album* in v.c.24 **141 20**
- Alopecurus aequalis* (Photo) (v.c.17) **146 61**; (v.c.47) **149 64**; (v.c.67) **146 61**; (1st record v.c.87) **146 66**; (v.c.87) **147 62**
- Alopecurus magellanicus* (v.c.92) **142 61**
- Alstroemeria aurea* (Descr.) **149 49**; (1st record v.c.52) **148 69**; (v.c.52, 71) **149 49**
- Alstroemeria* 'Ligtu Hybrids' **149 49**
- Alyssum alyssoides* (Descr.) **147 43**
- Alyssum montanum* (Descr.) (v.c.21) **147 43**; (Photo) **147 43**
- Alyssum murale* (Descr.) (v.c.8, 21) **147 43**
- Amaranthaceae – *Chenopodium* further splits to *Chenopodium*, *Lipandra*, *Chenopodiastrum*, *Oxybasis* & *Blitum* in Stace 4 **141 12**
– Notable family without stipules **144 30**
- Amaranthus blitum* (v.c.13) **146 43**
- Amaranthus cruentus* (1st record v.c.63) **147 48**
- Amaranthus deflexus* – 'Plant container alien' (v.c.10) **141 42**
- Amaranthus hybridus* (v.c.15) **142 42**; (v.c.35) **141 62**; (v.c.58) **141 45**; (1st record v.c.H2) **141 47**
- Amaranthus retroflexus* – Prior Park, Bath (v.c.6) **144 56**
- Amaranthus viridis* – coco peat pot weed (Descr.) (v.c.29) **150 69**
- Amaryllidaceae – Alliaceae becomes, (retains the same genera) in Stace 4 **141 12**
- Amatt, Mr D. – Report of death of **150 84**
- Ambrosia artemisiifolia* (v.c.6) **144 56** (v.c.27) **147 49**
- Ammi majus* (v.c.35) **146 45**
- Ammobium alatum* (Descr.) **144 52**, (v.c.17, 21, 61) **144 52**
- Ammophila arenaria* (v.c.9) **143 45**; (v.c.52) **148 69**
– Habitat of *Dianthus gallicus* at Hengistbury Head [v.c.13], with, & *Polypodium interjectum* in foreground (Photo) **147 13**
- Ampelopsis glandulosa* var. *brevipedunculata* 1st BI record (Descr.) (v.c.14) **146 43**
- AMPHLETT, ANDY – Habitat of *Eleocharis parvula* in Easter Ross (v.c.106) [Photos, Table] **141 26-29**
– *Lysimachia minima* - another roadside halophyte? [Graph, Maps, Photos, Tables] **145 14-17**
– Rev. of *Field Handbook to British and Irish Dandelions* (by A.J. Richards) **150 85-86**
– *Sagina maritima* as an inland roadside halophyte [Graphs, Map, Table] **146 25-28**
– *Salix euxina* naturalised along the River Spey, Scotland [Map, Photos] **142 20-22**
- Amphlett, Andy – now joint VCR for Easternness (v.c.96) (Biog.) **143 57**
- Amsinckia micrantha* (Photo) **142 63**; (v.c.48) **142 63**; (1st record v.c.50) **145 64**
- Anacamptis* – Molecular systematics (Fig. 1, 2) **145 7, 8**
- Anacamptis laxiflora* (v.c.113G) **148 66**

- Anacamptis morio* (Photo) **142** 36; (v.c.7) **142** 37; (v.c.31) **148** 65; (v.c.44) **142** 62; (v.c.75) **144** 43 (v.c.H14) **145** 66
- Anacamptis pyramidalis* (Photo) **148** 72; (v.c.35) **148** 68; (1st record v.c.43) **142** 62; (v.cc.67, 68) **149** 61; (v.c.75) **147** 62; (v.c.101) **148** 72; (v.c.110); (v.c.H5) **145** 66
- & *Platanthera bifolia*, Perthshire (Photo) **149** 16
 - successful seed germination (MSB) **142** 15
- Anagallis* – merged into *Lysimachia* in Stace 4 **141** 13
- Anagallis arvensis* – co-habitant of roadside halophytes v.c.67 **149** 30
- Anagallis arvensis* s.l.– removed from Red Data List (2019-2020) **147** 34
- Anagallis tenella* (v.c.17) **145** 60
- Anchusa arvensis* (v.c.79) **146** 66
- Anchusa azurea* (Descr.) (v.c.1; 1st records v.c.50) **150** 55
- Andromeda polifolia* (v.c.75) **144** 42; (v.c.H33) **150** 47
- Anemanthele lessoniana* (v.c.H21) **141** 54
- Anemone blanda* – NWDC (v.c.27) **147** 48
- Anemone* × *hybridus* – NWDC (v.c.27) **147** 49
- Angelica archangelica* (1st record v.c.50) **145** 64
- now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Angelica sylvestris* – sample image for AI id. (Photos) **144** 35
- Anglesey Flowering Plants and their Habitats* by Gareth Rowlands (Rev.) **144** 82-83
- Anisantha diandra* (v.c.79) **146** 66
- Anisantha madritensis* (v.c.35) **143** 37
- Anisantha sterilis* (v.c.58) **147** 23
- Annual Exhibition Meeting – 2019 **142** 78, **143** 56-57; 2020 **145** 3, **146** 58-59; 2021 **148** 59; **149** 56
- Missed the Event?, visit webpage to download pdfs of talks and posters **143** 56-57; **146** 58-59; **149** 56
 - renamed British & Irish Botanical Conference **149** 2, 56; **150** 73
- Annual Exhibition Meeting 2020 – BSBI's 1st ever virtual Exhibition meeting due to Covid restrictions **145** 3, 57; (Rpt) **146** 58-59
- Annual General Meeting [2020] **145** 3; 2021 **148** 59
- Online only due to Covid restrictions **145** 3; **148** 59
- Annual Summer Meeting (2019) – Malham Tarn (Photo) **142** 76; **142** 76; (Rpt) **143** 54-57
- Malham Tarn, Mid-west Yorkshire (v.c.64), [Photo] **143** 54-56
- Antennaria dioica* – decreased by over 80% in upper Teesdale **144** 47
- Teesdale Red Sike survey area (Maps) **144** 46
- Anthemis* – splits to *Anthemis* & *Cota* in Stace 4 **141** 12
- Anthemis arvensis* (v.c.17) **149** 61
- Anthemis austriaca* (v.c.10) – sown with 'wild' flower mixes from eastern Europe **148** 28
- Anthemis cotula* (v.c.10) **148** 27; (v.c.55) **142** 58
- Anthriscus caucalis* (v.c.52) **146** 65
- sample image for AI id. (Photos) **144** 35
- Anthriscus sylvestris* (Descr.) (v.c.80) **148** 7
- Phenology of three umbellifers: *Myrrhis odorata* & *Heracleum sphondylium* (Graph) **148** 7, 8
 - Regrowth of *Myrrhis odorata* & *Heracleum sphondylium* (Graph) **148** 8
 - very resilient arable weed **148** 25
- Anthropochory – passive dissemination by humans as vectors **146** 23
- Anthyllis vulneraria* – Grey Hills SWT Reserve (v.c.75) **144** 43
- Apera interrupta* (v.c.15) **145** 60
- Aphanes arvensis* (v.c.59) **142** 23
- Apiaceae – *Apium* splits to *Apium* & *Helosciadium* in Stace 4 **141** 12
- Notable family without stipules **144** 30
- Apium graveolens* (v.c.50) **146** 64
- Apparent Change, Average Apparent Change & Relative Apparent Change equations **150** 60
- Apple, The Extraordinary Story of the*, by Barrie E. Juniper & David J. Mabberley (Rev.) **143** 74-75
- Appleyard, Dr G. – Report of death of **144** 77
- Aquatic Plant Project, Ireland (Photo) **142** 64; (Photo) **143** 51-52; **144** 74; **145** 66; **146** 67; **148** 73
- online training continues **145** 66; **146** 67
 - videos posted online **146** 67
 - workshop in Kilkenny, 2018, Attendees at an, (Photo) **141** 63
- Aquatic plants and dredging in the Huddersfield Broad Canal [v.c.63] [Photos] [Table] **143** 5-12
- Arabidopsis thaliana* (v.c.58) **147** 24; (v.c.62) **147** 59
- medicinal properties in treatment of breast cancer **147** 59
- Arabis alpina* (v.c.104) **148** 72
- Arabis hirsuta* (v.c.48) **148** 69
- Araceae – subsumes Lemnaceae in Stace 4 **141** 12
- Arachis hypogaea* (Photo) (v.c.19) **146** 44
- Araujia sericifera* (Descr.) (Photo) **147** 53
- potential invasive, not yet known in wild **147** 53
- Arbutus unedo* (Photo) **150** 34, 35, 36; (v.cc.H1, H2) **150** 34
- possible Bronze Age origins in Ireland **150** 34
- Archaeophytes – concept explained **142** 17
- concern re definition **145** 83
 - Overlooked, in the Scottish flora, case studies from the Scottish Borders [Photos] **142** 17-20
- Archive, The BSBI, description, location and content **150** 76-77
- complete content list available electronically **150** 77
 - publications still needed (20 listed) **150** 77
- Arctium lappa* (v.c.46) **148** 68
- Arctium tomentosum* (v.c.64) **143** 47
- Arctostaphylos alpinus* (v.c.96) **142** 59; (v.c.108) **144** 14
- Arctostaphylos uva-ursi* (v.c.H39) **145** 66
- Argent, Dr G.C.G. – Report of death of (Biog.) **142** 68
- Argyranthemum frutescens* – cultivated in UK **141** 57
- × *Glebionis coronaria* (×*Glebionthemum valiniaum*) – new intergeneric hybrid (Photo) **141** 57
- Aristavena* – splits from *Deschampsia* in Stace 4 **141** 13
- Armeria maritima* (v.c.85) **145** 30; (v.c.106) **141** 27; (v.c.110) **142** 60
- Armeria maritima* ssp. *elongata* (Descr.) (v.c.12) **148** 39
- Armeria maritima* ssp. *miscella* – added to Red Data Waiting List (2019-2020) **147** 30
- Armstrong, Jayne – *Ulmus* 1992 PhD thesis **144** 33
- Arnoseris minima* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Aronia arbutifolia* (Descr.) (v.c.9) **149** 45
- Around the World in 80 Trees* by Jonathan Drori (Rev.) **146** 80
- Arran's Flora*. Fully Revised Checklist by Tony Church (Rev.) **143** 75
- Artemisia campestris* (Photo) (v.c.26) **142** 56
- Artemisia maritima* (Photo) (1st recent record v.c.59) **149** 4

- Artemisia scoparia* (Descr.) (v.c.11) **150** 51
Artemisia vulgaris (v.c.21) **147** 43; (v.c.58) **147** 23
– *Malva sylvestris* & *Hirschfeldia incana*; common plants in many of Middlesex's [v.c.21] highly anthropogenic habitats (Photo) **145** 33
Arthraxon hispidus (Descr.) **147** 43; (v.c.14) **149** 44; (1st record v.c.21; v.c.36) **147** 43
Artificial Intelligence for plant identification on smartphones and tablets [Illus., Photos, Tables] **144** 34-40
Arum italicum ssp. *neglectum* (v.c.41) **141** 62
Asarum europaeum (Descr.) (Photo) **141** 51; (v.c.41) **150** 67; (v.c.64) **141** 51
Ash by Edward Parker (Rev.) **150** 86-87
Ashby Warren (v.c.25) – History of *Lysimachia europaea* at, **146** 84
Ashworth, Mr A.E. – Report of death of **148** 80
Aslett, Mr J.E., – congratulated on 60 years membership **143** 58
Asparagus densiflorus (Descr.) (1st record v.c.113) **150** 57
Asparagus prostratus (v.c.45) – berries found **147** 61
Asperula cynanchica (v.c.17) **142** 58
– by Jessica Hamilton – entry for Photographic Competition, 2020, (Photo) **146** 86
– stipules distinctly shorter than leaves **144** 30
Asphodelaceae – Xanthorrhoeaceae becomes, in Stace 4 **141** 12
Asplenium ceterach (1st record Coll v.c.103) **144** 73
Asplenium fontanum – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
Asplenium marinum (v.c.75) **144** 42; (1st recent record v.c.107) **147** 62; (v.c.H33) **150** 49
Asplenium obovatum (v.c.49) **143** 49
Asplenium ruta-muraria – wall plant (v.c.58) **147** 24
Asplenium scolopendrium showing fronds & indusia (Photo) **141** 36
Asplenium septentrionale (v.c.49) **143** 50; **146** 64; (v.c.105) **141** 60
Asplenium viride (Photo) (v.c.H1) **149** 68; (v.c.H33) **150** 49
Aster – splits to *Symphotrichum*, *Aster*, *Eurybia*, *Galatella* & *Tripolium* in Stace 4 **141** 12
Aster linosyris – threat status amended to VU in Red Data List (2017-2018) **141** 5
Aster tripolium var. *condensatus* with *Ligusticum scoticum* nr Dalbeg, Isle of Lewis (v.c.110) (Photo) **147** 62
Asteraceae – *Anthemis* splits to *Anthemis* & *Cota* in Stace 4 **141** 12
– *Aster* splits to *Symphotrichum*, *Aster*, *Eurybia*, *Galatella* & *Tripolium* in Stace 4 **141** 12
– *Conyza* merged into *Erigeron* in Stace 4 **141** 13
– *Filago* splits to *Filago* and *Logfia* in Stace 4 **141** 12
– *Gnaphalium* splits to *Omalotheca*, *Gnaphalium*, *Gamochoeta*, *Pseudognaphalium* & *Laphangium* in Stace 4 **141** 12
– Notable family without stipules **144** 30
– *Senecio* splits to *Senecio* & *Jacobaea* in Stace 4 **141** 12
– *Soliva* merged into *Cotula* in Stace 4 **141** 13
– tribe Anthemideae – Referees sought **147** 55
Astragalus alpinus (v.c.89) **145** 54
Astragalus danicus (v.c.8) **142** 34; (v.c.29) **145** 60; (v.c.85); **148** 67; (v.c.101) **148** 72
Astragalus glycyphyllos (v.c.32) **145** 60
– [herb. spec.] collected by Peter Jefferson from 'limestone quarry, Burton Leonard, nr Ripon' [v.c.64], 1950 (Photo) **149** 34
Athyriaceae & Cystopteridaceae – split from Woodsiaceae in Stace 4 **141** 12
ATKINSON, MIKE – Eradication of *Impatiens glandulifera* – a personal view **142** 79
Atkinson, Revd Michael H., – Report of death of **149** 75
Atlas 2020 – datasets obtained from SEWBREC (v.c.41), BIS (v.c.43), Cofnod (v.c.51) & WWBIC (ex A O Chater) **144** 72
– fieldwork complete; data analysis begins **143** 46
– in Ireland 2019 **142** 65
– Records extracted from SNH & SCM reports **145** 64
– Update **148** 60
– What next?: Teach botany! **142** 12
– What next?: Teach folklore! **143** 76
Atlas recording – discussion on limitation of grid squares v biotopes **149** 82-93
Atriplex glabriuscula (1st record v.c.47) **141** 62
Atriplex glabriuscula × *A. prostrata* (v.c.69) **144** 15
Atriplex littoralis (putative 1st record v.c.42) **143** 48
Atriplex micrantha – roadside habitat (v.c.15, 16) **146** 9
Atriplex portulacoides (1st record v.c.H27) **149** 68
Atriplex × *taschereaui* (1st record v.c.51) **141** 61
Atropa belladonna (v.c.35) **146** 63
Aurinia saxatilis (v.c.58) **142** 44
Autogamous (selfing) – examples **150** 22
Avena barbata (1st record v.c.15) **148** 40
Avena strigosa – Loch Hallan SSSI (v.c.110) **146** 36
Avenella – splits from *Deschampsia* in Stace 4 **141** 13
Avenella flexuosa – Savernake Forest (v.c.7) **142** 37
Avenula – splits to *Avenula* & *Helictochloa* in Stace 4 **141** 12
Azolla filiculoides (Photo) **143** 6; (v.c.63) **143** 7, 8, 10, 11
Baccharis halimifolia – potential invasive non-native sp. **142** 4
Back to the future: *Asarum europaeum* returns to the North [Photos] **141** 50-52
BAKER, AMBROISE – Discovery of *Diphasiastrum alpinum* in the North York Moors [v.c.62] after a 33-year gap [Photos] [Tables] **50** 37-39
Baldellia ranunculoides ssp. *repens* (Photo) (1st record v.c.97) **149** 65, 66
Baldellia repens – threat status amended in Red Data List (2019-2020) **147** 29
BALKOW, KENNETH – A large colony of *Lysimachia europaea* on Houndkirk Moor, Sheffield (v.c.57) [Photos] **145** 26-27
Ballantyne, George Hodge (1934-2020) (Obit.) (Photos) **146** 69-72
– VCR for Fifé (v.c.85) report of death of, (Biog.) **145** 58-59, 75
Ballinger, Brian, congratulated on award of the Dr Patrick Neill Memorial Medal **148** 73
BALLINGER, BRIAN & JOHN GRACE – The Botanical Society of Scotland's Urban Flora Project [Map] **145** 31-32
Ballota acetabulosa (v.c.5, 13) **150** 52
Ballyhoura mountains [Co. Limerick], *A field guide to the woodland and scrub of the*, by R. Lynch (Rev.) **141** 77
Bamforth, Mr A. – Report of death of **144** 77

- Banking the UK's seeds - the Millennium Seed Bank's UK Flora Project (2015-2019) (Photos) **142** 14-16
- Banks, The Multifarious Mr.:* from Botany Bay to Kew, the Natural Historian Who Shaped the World by Toby Musgrave (Rev.) **147** 75
- Barber, Martin John (1954-2019) (Obit.) [Photo] 145 66-69
- Barden, David – *The Wild Plants of Llantrisant Common and Y Gweira* (v.c.41) **147** 60, (Rev.) 76-77
- Barden, David, & Karen Williamson join Julian Woodman as joint-VCRs for Glam (E) (v.c.41(E)) (Biogs) **144** 66; **145** 62
- Barling, Mr D.M. – Report of death of (Biog.) **145** 75
- BARLOW, DAVE – Vincent Jones (1947-2020) (Obit) (Photo) **146** 75-76
- Barlow, Dave – Rare Plant Register produced for v.c.62 **147** 58
- Wendy English & Alan Ritson at Danby Beacon observing *Diphysastrum alpinum* amongst cut heath (Photo) **150** 38
- Barr (v.c.75) – Species rich marshy grassland, broadleaved woodland by River Stinchar and conifer forestry on distant hills (Photo) **144** 43
- Bassia scoparia* – BSBI DDb used re possible rise and fall of, **141** 41
- Bateman, Caroline – *Malva verticillata* (v.c.17) **143** 43
- BATEMAN, RICHARD – Rev. of *The Orchid Flora of Huntingdonshire and the Soke of Peterborough* (by Peter Walker, Barry Dickerson & Roger Orbell) **143** 71-72
- Residual myths in molecular systematics [Photos, Molecular Trees] **145** 5-13
- BECK, HOWARD – Back to the future: *Asarum europaeum* returns to the North [Photos] **141** 50-52
- My first year as a BSBI member [Photos] **144** 14-15
- Beckmannia syzigachne* (1st record v.c.31; v.c.34) **147** 44
- Bedfordshire - Our Changing Habitats and Wildlife.* A Photographic Record by Richard Revels, Graham Bellamy & Chris Boon (Rev.) **147** 75-76
- Bees – *Impatiens glandulifera* presents a problem **143** 78
- Beginner botanists – A helping hand (discussion) **142** 13
- Beginner's botany – forget tetrads and think 'outside the box' **142** 13
- teach English not Latin Names **142** 13
- BEGINNER'S CORNER **141** 36-37; **142** 38-39; **145** 39-41; **147** 37-39; **149** 42-43
- Beginner's Corner – guest authors sought **149** 2
- How to speak fern [Illust., Photos] **141** 36-37
 - Grid references and GPS [Fig., Photo, Table] **142** 38-39
 - Starting with buttercups [Photos] **144** 48-49
 - What field guide should I buy? [Photos bk covers] **145** 39-41
- Beginners botany in North-east Yorkshire with Nan Sykes (v.c.62) **142** 13
- Beginner's guide to yellow composites, When is a Dandelion not a Dandelion? [Photos] **147** 37-39
- Begonia hirtella* – fully naturalised indoor tropical weed (v.c.83) **145** 49
- Bell, Mr M.G. – Report of death of **144** 77
- Bellamy, Graham, Richard Revels & Chris Boon – *Bedfordshire - Our Changing Habitats and Wildlife.* A Photographic Record (Rev.) **147** 75-76
- Bellis perennis* – commonest species recorded in Urban Flora Project (Scotland) **145** 32
- Ben Nevis, *The North Face Survey.* Discovering the Hidden Side of, by Iona Skyring (ed.) (Rev.) **144** 81-82
- Bennallick, Ian – congratulated on 2020 Marsh Botany Award **147** 55
- BENNALLICK, IAN, & ROSEMARY PARSLOW – Three aliens from the Isles of Scilly [v.c.1b] [Photos] **148** 51-54
- BENNALLICK, IAN, PEARMAN, DAVID, with contributions from, & BRYAN EDWARDS The impact of native and alien 'thugs' in semi-natural habitats [Photos] **142** 6-11
- Bennane Head (v.c.75) – *Scilla verna* and *Ranunculus bulbosus* at, with view of Ailsa Craig (Photo) **144** 41
- Benoit, Peter Michael (1931-2021) (Obit.) (Photo) **147** 64-67
- Report of death of **147** 72
- Berberis vulgaris* (v.c.50) **145** 64
- Berkheya purpurea* (Descr.) (1st record v.c.11) (v.c.105) **142** 41
- BERRY, MATTHEW, (COMPILER) – Adventives and Aliens News **17** [Photos] **141** 41-47; **18** [Photos] **142** 40-46; **19** [Photos] **143** 34-40; **20** [Photos] **144** 50-55; **21** [Photos] **145** 42-48; **22** [Photos] **146** 40-47; **23** [Photos] **147** 40-47; **24** [Photos] **148** 37-44; **25** [Photos] **149** 44-53; **26** [Photos] **150** 50-57
- An overlooked form of *Digitaria sanguinalis*? **150** 71
 - *Euphorbia palustris* in v.c.14 and beyond [Photo] **142** 46-48
 - *Thladiantha dubia* in Newhaven [v.c.14], a neophyte previously unrecorded in Britain and Ireland? [Photos] **141** 47-50
- Berry, Matthew – retires as joint VCR for Sussex (v.cc.13 & 14) **143** 57
- BERSWEDEN, LEIF – Rev. of *Wild Orchids of Kent* (by David Johnson) **142** 73
- Bersweden, Leif – & Sandy Knapp on the New Year Plant Hunt 2020 (Photo) **144** 3
- secret sex life of anthropomorphic orchids (Exbt 2019) **143** 56
- Berula erecta* (v.c.42) **145** 63
- × *Beruladium procurrens* (*Berula erecta* × *Helosciadium nodiflorum*) (Descr.) 145 4
- Beta vulgaris* ssp. *maritima* in foreground, Ainsdale beach strandline [v.c.59], with, (Photo) **149** 3
- Betonica officinalis* (v.c.8) **150** 65; (v.c.97, 107, 110) **145** 21
- constituent of wildflower seed mixtures **145** 21
- Betonica officinalis* in Scotland – and climate change [Maps] **145** 18-22
- Distribution for 1987–1999 & 2000–2019 (Maps) **145** 19
 - How and why are this & other meadow species now increasing in northern areas? **145** 19, 20-21
 - mean annual temperatures, for 21 met. stations, 1970–1979 & 2010–2019 (Maps) **145** 22
 - Other meadow species with discontinuous distributions, and recent increases in northern areas **145** 19-20
- BETTERIDGE, BRENDA – Anita Jo Dunn MBE (1920-2020) (Obit.) (Photo) **146** 72-74
- Betula celtiberica* **141** 5
- Betula nana* (v.c.90) **141** 59
- Betula pubescens* (Hoy, v.c.111) **147** 62
- Betula pubescens* ssp. *celtibérica* added to Waiting List in Red Data List (2017-2018) **141** 5

- Betulaceae – Notable family with stipules **144 30**
 Bevan, Jim, with Rod Stern at *Hieracium* meeting on
 Portland in mid 1980s with Howard Matcham
 (Photo) **141 69**
- Biddle, Astrid, & Alla Mashanova join Ian Denholm as
 joint VCRs for (v.c.20) **147 55**
- Bidens ferulifolia* – coco peat pot weed (Descr.) (v.c.29)
150 69
- Bidens frondosa* (v.c.11) **146 40**
- Bidens tripartita* (v.c.67) **146 61**; (v.c.75) **144 42**
- Biggane, Eric & Marlow Renton – *Foraging Pocket Guide*
 (Rev.) **148 81**
- Bing Maps – *Senecio minimus* map showing locations in
 the wider Dalkey/ Killiney area, (v.c.H21) (Photo)
141 53
- Biodiversity Conservation - Species databases are under-
 exploited **149 82-83**
- Biodiversity Indicators, Annual UK, (Illus.) **147 36**
- Biographical Details of British Botanists – referee now Mr
 D.A. Pearman **150 76**
- Biological records – 4 ‘Ws’ (What, Where, When, Whom)
142 38
- Biotypes – as used in New Zealand **149 82**
- Bird-feeder aliens [Photo] **148 64**
 – diversity of plants from split Niger seed **148 64**
- Birkdale Common (v.c.59) Survey results **142 23**
- Birkdale Common (v.c.59) with *Scleranthus annuus*
 habitat (Photo) **142 23**
- BIRKS, H. JOHN B. – Rev. of *Flora of the Mediterranean*
 with California, Chile, Australia & South Africa - An
 Illustrated Guide (by Christopher Gardner and Başak
 Gardner) **144 80**
 – Rev. of *Introduction to Plant Fossils* (Ed. 2) (by
 Christopher J. Cleal & Barry A. Thomas) **144 84**
- Blackcaps – very efficient vectors of *Viscum album*
 (Photo) **142 29**; **143 27**
- BLACKHALL-MILES, ROBERT – Discovery of a second
 extant plant of Arran’s False Rowan (*Sorbus*
pseudomeinichii) [Photos] **146 15-16, 67**
- Blackhall-Miles, Robbie – appointed Natur am Byth
 Vascular Plants Officer, Plantlife Cymru **149 65**
- Blackstock, Tim, with Peter Stroh *et al.* – *Grassland Plants*
of the British and Irish Lowlands (Rev.) **143 68**
- Blackstonia perfoliata* – important for the Dowdy Plume-
 moth **148 35**
- Blamey, Marjorie Netta, MBE (1918-2019) (Obit.) [Photo]
143 59-61
 – at Michael Walter’s house in Provence (Photo) **143 59**
 – report of death of (Biog.) **143 67**
 – specimen and sketches of *Ranunculus acris* (Photo)
143 60
- Blechnum spicant*, a one-pinnate fern showing fertile and
 sterile fronds (Photo) **141 37**
- Blitum* – splits from *Chenopodium* in Stace 4 **141 12**
- Blitum virgatum* (v.c.15) **142 42**
- BLOWERS, DAVID P. – *Centranthus ruber*: Spread of a non-
 native in the British Isles, with a focus on v.c.57
 (Derbyshire)[Maps] [Photo] [Tables] **150 58-61**
- Blasmus compressus* – Greenlaw Moor SSSI (v.c.85)
145 29
- Board of Trustees – see Trustees, Board of (p.54)
- Bolboschoenus laticarpus* (Photo) **147 59**; (v.c.27) **147 58**
- Bolboschoenus maritimus* at Hightown shore, Merseyside
 [v.c.59], with habitat of *Catabrosa aquatica* var.
uniflora (Photo) **150 24**
- stand at Hightown (v.c.59). Taxa associated with the,
 (Table, 53 taxa listed) **150 25-26**
- Bonnaya ruellioides* – naturalised indoor tropical weed
 (v.c.83) **145 51**
- Bonner, Mr I.R. – congratulated on 60 yrs membership
149 55
- BOOK NOTES **141 77**; **142 75**
- Book Orders **147 54**
- BOOK REVIEWS **141 76-77**; **142 70-75**; **143 68-75**; **144 78-84**;
145 76-81; **146 77-82**; **147 73-78**; **148 81-87**; **149 76-81**;
150 85-88
- Adams, Ken (Ed.) – *Essex Botany*. Newsletter of the
 Essex Botanical Society, nos. 1-9, 2015-2019 **142 75**
- Akeroyd, John, Liz Cowley & Donough O’Brien –
Plants & Us. How They Shape Human History and
Society **149 80-81**
- Barden, David – *The Wild Plants of Llantrisant*
Common and Y Gweira **147 76-77**
- Bowley, Alan – *The Great Fen. A Journey Through*
Time **146 79-80**
- Carine, Mark, – *The Collectors - Creating Hans*
Sloane's Extraordinary Herbarium, ed. by, **147 78**
- Catteau, Emmanuel, Julien Buchet & ten others –
Vegetation du Nord de la France: Guide de
Determination **149 77**
- Chatters, Clive – *Heathland* **148 84**
- Church, Tony – *Arran's Flora*. Fully Revised
 Checklist **143 75**
- Cleal, Christopher J. & Barry A. Thomas –
Introduction to Plant Fossils (Second Edition) **144 84**
- Cleave, Andrew – *A naturalist's guide to the wild*
flowers of Britain and Northern Europe 2nd edition
141 77
- Cole, Sean, & Mike Waller – *Britain's Orchids. A*
Field Guide to the Orchids of Great Britain and
Ireland **147 73-74**
- Coles, Peter – *Mulberry* **145 80**
- Curtis, Tom, & Paul Whelan *The Wild Food Plants of*
Ireland: The Complete Guide to their Recognition,
Cooking, History and Conservation **146 81**
- Dörken, V. M. & H. Nimsch – *Morphology and*
Identification of the World's Conifer Genera **143**
73-74
- Drori, Jonathan – *Around the World in 80 Trees*
146 80
- Duistermaat, H. (Leni) – *Heukels' Flora van*
Nederland (24th edition) **145 79-80**
- Eatherley, Dan – *Invasive Aliens: The plants and*
animals from over there that are over here **142 74**
- French, Colin – *A Flora of Cornwall* **146 77-78**
- Gambles, Ian – *British Forests: The Forestry*
Commission 1919-2019 Ed **144 80-81**
- Gardner, Christopher and Başak – *Flora of the*
Mediterranean with California, Chile, Australia &
 South Africa - An Illustrated Guide **144 80**
- Grey-Wilson, Christopher – *Pasque-Flowers. The*
Genus Pulsatilla. A Guide for Gardeners,
Horticulturists and Botanists (2nd edn) **148 84**
- Halliday, Geoffrey – *A Flora of the East Greenland*
Central Fjord Region **142 71-72**
- Harris, Stephen A. – *Roots to Seeds. 400 years of*
Oxford Botany **149 81**
- Hart-Davies, Christina – *The Whole Story. Painting*
More Than Just the Flowers **147 78**

- Haveman, R. *et al.* (eds) – *Nova Flora Neerlandica. Lycopodiopsida & Polypodiopsida* **150** 85
- Hayward, Michael, & Martin Rickard – *Fern Albums and Related Material* **145** 80-81
- Hodgkinson, Ian D. – *Natural Awakenings: Early Naturalists in Lakeland* **144** 83-84
- Hogarth, Barbara G. – Alchemilla. *A Field Guide to the Lady's-mantles of the British Isles* **146** 78-79
- Hogarth, Barbara G. – Alchemilla. *A Study of the Alchemilla Micro-species Found in Northern Scotland* **146** 78-79
- Horsman, Frank – *Who Discovered the "Teesdale Rarities"?* **148** 85
- Johnson, David – *Wild Orchids of Kent* **142** 73
- Juniper, Barrie E. & David J. Maberley – *The Extraordinary Story of the Apple* **143** 74-75
- Kernicer, Greg, & Roger Parsons – *Lathyrus The complete guide* **149** 79-80
- Kirby, Keith – *Woodland Flowers. Colourful Past, Uncertain Future* **147** 74
- Kuhn, Rolf, with Henrik Pedersen & Phillip Cribb – *Field Guide to the Orchids of Europe and the Mediterranean* **143** 70-71
- Leslie, Alan – *Flora of Cambridgeshire* **144** 78-79
- Lynch, R. – *A field guide to the woodland and scrub of the Ballyhoura mountains* [Co. Limerick] **141** 77
- Marrinan, Lauren, & Tim Rich – *101 Rare Plants of Wales* **145** 77-78
- Mayfield, Enid – *Illustrated Plant Glossary* **150** 88
- Merryweather, James – *Britain's Ferns. A Field-guide to the Clubmosses, Quillworts, Horesetails and Ferns of Britain and Ireland* **146** 77
- Musgrave, Toby – *The Multifarious Mr Banks: from Botany Bay to Kew, the Natural Historian Who Shaped the World* **147** 75
- Nicholls, Steve, – *Flowers of the Field: A Secret History of Meadow, Moor and Wood* **145** 77
- Ollerton, Jeff – *Pollinators & Pollination: Nature and Society by*, **147** 77-78
- Parker, Edward – *Ash* **150** 86-87
- Raven, Peter H. – *Driven by Nature* **148** 86
- Renton, Marlow & Eric Biggane – *Foraging Pocket Guide* **148** 81
- Revels, Richard, Graham Bellamy & Chris Boon – *Bedfordshire - Our Changing Habitats and Wildlife. A Photographic Record* **147** 75-76
- Rich, Tim & Andy McVeigh – *Gentians of Britain and Ireland* **143** 68-69
- Rich, Timothy C.G. & David McCosh – *Monograph of the British and Irish Hieracium section Foliosa and section Prenanθοidea* **148** 82
- Richards, A.J. – *Field Handbook to British and Irish Dandelions* **150** 85-86
- Rickard, Martin – *Polypodium Cultivars and Species* **145** 81
- Rowlands, Gareth – *Anglesey Flowering Plants and their Habitats* **144** 82-83
- Saule, Marcel – *Nouvelle Flore Illustrée des Pyrénées* (Photo) **141** 76-77
- Shaw, Mike – *Hawkweeds of South-East England* **145** 76
- Skyring, Iona (ed.) – *North Face Survey, The. Discovering the Hidden Side of Ben Nevis* **144** 81-82
- Smith, Les, with Peter Garner & Mark Jannick – *The Rare Plants of Herefordshire* **143** 69-70
- Smith, Philip H., – *Wildflowers of the Sefton Coast* **149** 78-79
- Spencer, Mark A. – *Murder Most Florid: Inside the Mind of a Forensic Botanist* **145** 78-79
- Spencer, Roger, & Rob Cross – *Plant Names. A Guide to Botanical Nomenclature* (4th edn) **146** 81-82
- Stroh, Peter *et al.* – *Grassland Plants of the British and Irish Lowlands* **143** 68
- Sumner, Judith – *Plants Go to War. A Botanical History of World War II* **144** 79-80
- Thiers, Barbara M. – *Herbarium. The Quest to Preserve & Classify the World's Plants* **148** 81
- Thorogood, Chris, & Fred Rumsey – *Broomrapes of Britain & Ireland. A Field Guide to the Holoparasitic Orobanchaceae* **149** 76
- Torre, Dan – *Carnivorous Plants* **142** 75
- Vickery, Roy – *Vickery's Folk Flora: An A-Z of the Folklore and Uses of British and Irish Plants* **143** 72-73
- Walker, Alan R. – *Identify Mountain Flowers of Britain and Ireland* (Illus.) **142** 72
- Walker, Peter, with Barry Dickerson & Roger Orbell – *The Orchid Flora of Huntingdonshire and the Soke of Peterborough* **143** 71-72
- Wallace, Hilary – *Grasses: A Guide to Identification Using Vegetative Characters* **148** 83
- Wilkinson, David M. – *Ecology and Natural History* **149** 77-78
- Zarco, C. Romero, *et al.* (eds of this volume) – *Flora Iberica. Plantas Vasculares de la Peninsula Iberica e Islas Baleares, Volume XIX (2), Gramineae (partim)* (S. Castroviejo (Coordinador General)) **150** 87-88
- Boon, Chris, Richard Revels & Graham Bellamy – *Bedfordshire - Our Changing Habitats and Wildlife. A Photographic Record* (Rev.) **147** 75-76
- Boorman, Dr L.A. – Report of death of **150** 84
- Boraginaceae – *Lithospermum* splits to *Lithospermum*, *Aegonychon* & *Buglossoides* in Stace 4 **141** 12
- Notable family without stipules **144** 30
- Borago pygmaea* (1st record v.c.) **147** 45
- Boreray from Hirta [v.c.] **110** (Photo) **142** 60
- Botanical
 - heat maps – use in protecting wild-life rich habitats **148** 89
 - heat maps, using, to inform tree planting, Right tree, right place: [Maps] [Photo] [Table] **150** 40-44
 - History of World War II, *Plants Go to War. A*, by Judith Sumner (Rev.) **144** 79-80
 - Nomenclature, *Plant Names. A Guide to*, (4th edn) by Roger Spencer & Rob Cross (Rev.) **146** 81-82
 - NOTES **148** 62-64
 - Recording for Beginners, Irish – Webinar **145** 66
 - Society of Scotland's Urban Flora Project [Map] **145** 31-32
 - Videos on BSBI's YouTube Channel **148** 61
- Botanists, Supporting the next generation of, **149** 56
- Botany – better knowledge generally a Century ago than now **142** 12
- Securing the Future of: Supporting the BSBI [Advert] **147** [81]; **148** [90]; **149** [86]
- Botrychium lunaria* (v.c.) **142** 62; (v.c.) **108** **144** 14

- Botrychium nordicum* – added to Red Data List (2017-2018) **141 3**
- Bowley, Alan – *The Great Fen. A Journey Through Time* by, (Rev.) **146 79-80**
- Brachyglottis* × *jubar*, *Orobanche minor* var. *heliophila* with host, in car park, Bishop Auckland [v.c.66], (Photo) **147 19**
- Brachyglottis* × *jubar* ‘Sunshine’ – only host for *Orobanche minor* var. *heliophila* in Bishop Auckland (v.c.66) **147 21**
- Brachypodium* – discussion re number of species **143 41**
- Brachypodium phoenicoides*, new to South Devon (v.c.3) and Britain [Photos] **143 41-43**
- 14 associates listed (v.c.3) **143 43**
 - Exmouth (v.c.3) (Photos) **143 41, 42**
- Brachypodium pinnatum* agg. (spreading in v.c.17) **149 61**
- Brachypodium pinnatum* – Clattinger Farm NNR (v.c.7) **142 37**
- Brachypodium rupestre* – dominating formerly species-rich chalk grassland at Hambledon Hill, Dorset [v.c.9] (Photo) **142 6**
- Bracken on Houndkirk Moor [v.c.57] hiding a colony of *Lysimachia europaea* (Photo) **145 27**
- Bradshaw, Margaret – ascending Cronkley on four-legs of a Dales pony (Photo) **144 47**
- created Upper Teesdale Special Flora Research and Conservation Trust **144 45**
 - leading a BSBI *Alchemilla* spp. ID weekend (Photo) **144 47**
 - studied flora of Upper Teesdale since 1950s **144 45**
- BRADSHAW, MARGARET, & JOHN O’REILLY – Teesdale and its flora: a climate change laboratory [Maps, Photos] **144 45-47**
- BRAITHWAITE, MICHAEL – A cupboardful of photographs (the v.c.81 Berwickshire photos project) [Graph, Photos, Table] **145 28-30**
- Adder’s-tongue Dispersal [Poem] **147 80**
 - Are we muddling Autumn Crocuses? [Photo] **145 55**
 - New orchids and broomrapes - remarkable botanical finds in Berwickshire (v.c.81) 2014-2019 [Map, Photos, Table] **144 21-24**
 - Overlooked archaeophytes in the Scottish flora - case studies from the Scottish Borders [Photos] **142 17-20**
 - Rev. of *Plants & Us. How They Shape Human History and Society* (by John Akeroyd, Liz Cowley & Donough O’Brien) **149 80-81**
 - Some observations on leaf phenology [Graphs] [Photo] **148 6-9**
- Braithwaite, Michael – colour slides & digital images used in PowerPoint presentations for each hectad in Berwicks. (v.c.81) CBSR **145 28**
- BRANSON, ANDREW – Beginner’s Corner: What field guide should I buy? [Photos bk covers] **145 39-41**
- Editorial **142 2**
 - Rev. of *Invasive Aliens: The plants and animals from over there that are over here* by Dan Eatherley **142 74**
 - Rev. of *Carnivorous Plants* by Dan Torre **142 75**
- Branson, Andrew – retires as editor of *BSBI News* **142 2; 143 2**
- Brassica juncea* (Descr.) (v.c.27) **141 44**
- Brassica napus* – Map produced using records from Dash Cam **146 32**
- Brassica nigra* (v.c.44) **145 63**
- Brassica oleracea* (v.c.50) **145 64**
- Brassicaceae – Notable family without stipules **144 30**
- Brearley, Mr R. D. – Report of death of **142 68**
- Brexit – possible impact on BSBI **141 78**
- Bridge the Gap **143 76-77**
- BRIGGS, JONATHAN – *Viscum album* - with or without hot-spots [Photos] **142 28-30**
- Briggs, Mary – *BSBI News 100 not out!* **150 3**
- Bristoe, Mr G. – report of death of **143 67**
- Britain’s Ferns. A Field- guide to the Clubmosses, Quillworts, Horesetails and Ferns of Britain and Ireland* by James Merryweather (Rev) **146 77**
- Britain’s Orchids. A Field Guide to the Orchids of Great Britain and Ireland* by Sean Cole & Mike Waller (Rev.) **147 73-74**
- British & Irish Botanical Conference **150 73**
- brief outline of history **150 73**
 - new name for BSBI Annual Exhibition Meeting **149 2, 56; 150 73**
- British & Irish Botany* **143 4**
- 1:1 Published (5 papers listed) **142 77**
 - 1:2 Published (6 papers listed) **142 77**
 - 1:3 Published (5 papers listed) **142 77**
 - 1:4 Published (5 papers listed) **143 4**
 - 2:1 Published (7 papers listed) **144 65**
 - 2:2 Published (7 papers listed) **145 59**
 - 2:3 Published (11 papers listed) **145 59**
 - 2:4 Published (6 papers listed) **146 60**
 - 3:1 Published (7 papers listed) **147 56**
 - 3:2 Published (11 papers listed) **148 61**
 - 3:3 Published (10 papers listed) **149 59**
 - 3:4 Published (5 papers listed) **150 75**
 - 4:1 Published (6 papers listed) **150 75**
 - Editorial team **142 77**
 - print copies of papers available for a small cost **145 59**
 - Printed Copies **144 65**
 - website for downloading **142 77; 143 4**
- British Forests: The Forestry Commission 1919-2019* Ed by Ian Gambles (Rev.) **144 80-81**
- British Isles, Alchemilla. A Field Guide to the Lady’s-mantles of the*, by Barbara G. Hogarth (Rev.) **146 78-79**
- British Isles, An exploration of orchid records in the BSBI database in four regions of the, [Graphs] [Photos] [Tables] **149 16-22**
- British Pteridological Society members at site of *Cryptogramma crispa* near summit of An Cliseam; mouth of Loch Seaforth in distance [v.c.110] (Photo) **146 38**
- Briza maxima* (v.c.27) **147 44; (v.c.58) 147 24; (v.c.69) 144 54**
- Briza minor* (v.c.35) **149 63**
- dry calcareous grassland indicator species **148 35**
- Bromopsis inermis* (Descr.) (v.c.79) **150 57**
- Bromopsis inermis* ssp. *inermis* (v.c.64) **150 56**
- Bromus arvensis* (v.c.17, 1st recent record v.c.95) **149 53**
- Bromus racemosus* (1st records v.c.H5 & H11) **148 73**
- Bromus secalinus* (Photo) **149 63; (v.c.35) 148 68, 149 62; (v.c.70) 149 62; (1st recent record v.c.H36) 149 68**
- Broomrapes of Britain & Ireland. A Field Guide to the Holoparasitic Orobanchaceae* by Chris Thorogood & Fred Rumsey (Rev.) **149 76**
- Broomrapes, New orchids and, - remarkable botanical finds in Berwickshire (v.c.81) 2014-2019 [Map, Photos, Table] **144 21-24**

- BROWN, BARBARA – Country Roundups – Wales Cymru [Photo] **141** 61-62; [Photo] **142** 61-63; [Photo] **144** 72; – Wales Cymru [Photos] **143** 48-50
- Brown, Barbara – Wales Officer post ended **145** 62
– work in Wales in 2019 **142** 61
- BROWN, NIGEL – Rev. of *Anglesey Flowering Plants and their Habitats* (by Gareth Rowlands) **144** 82-83
– Rev. of *Wildflowers of the Sefton Coast* (by Philip H. Smith) **149** 78-79
- BRYAN YORKE– *Epipactis atrorubens* var. *bicolor*, a new variety from northern England [Photos] **143** 29-30
- BSBI
– and plant conservation *see* Conservation, BSBI and plant (p.15)
– ANNOUNCEMENTS **145** 3-4
– Annual Exhibition Meeting – *see* Annual Exhibition Meeting (p.5)
– Annual General Meeting – *see* Annual General Meeting (p.5)
– Archive, The, *see* Archive, The BSBI (p.5)
– Autumn 2021 meetings held on Zoom **149** 2
– Chief Executive Officer – post to be advertised **146** 2
– Committees and what they do (4 listed) **144** 66-67
– Conferences – Watch the videos on our YouTube Channel **147** 56
– Conservation Policy **145** 58
– Conservation Policy document imminent **142** 2
– Council abolished **146** 2
– Create Your Legacy with the [Advert] **150** [90]
– data – routinely used by UK and Irish conservation agencies **148** 88
– database (Ddb) *see* Database (Ddb) (p.18)
– DIARY 2019-20 **141** 2; **142** 78
– Distribution Maps 2021 – *Bunium bulbocastanum* records in south-east England (Map) **147** 7
– England Committee & Future Events **144** 68
– events cancelled, All, – Coronavirus pandemic **144** 2
– Field Meetings **147** 54
– first Virtual Annual Exhibition Meeting [2020] (Rpt) – talks & exhibits available online and YouTube **146** 58-59
– Forum – held over 3 days **150** 2
– Fundraising Manager, New, [Sarah Woods] **147** 54
– Future – Where we are going and how we will get there **145** 4
– future projects? – ecological approach with greater focus on habitats & plant communities **148** 88
– Garden Wildflower Hunt – website address **144** 2
– going greener **147** 2
– Guidance for participants at field meetings updated **147** 54
– Hardship Fund, Finance Manager Fundraising for, **150** 74
– Head of Operations, Jane Houldsworth, to resign **146** 2, 59
– involvement in 2 ‘expert elicitation’ studies on Invasive non-native plants **142** 4
– locked down & online due to Covid restrictions **145** 57
– Long-standing Members [6 listed] **143** 58; (20 listed) **149** 55
– member, My first year as a, [Photos] **144** 14-15
– members enjoying a lunch break at the Annual Summer Meeting (2019) (Photo) **142** 76
– needs to be far more ambitious in providing its data to others **148** 89
– New Year Plant Hunt *see* New Year Plant Hunt (p.37)
– NOTICES **143** 3-4; **144** 65-70
– Photographic Competition *see* Photographic Competition (p. 40)
– policy on nature conservation on website **147** 3
– Post-atlas projects **144** 67-68
– Prize-winners [Photo] **141** 80
– record in contributing to plant conservation **148** 88
– Research Grants **144** 68
– Scottish Botanists’ Conference & Annual Exhibition Meeting and AGM 2020, online only due to Covid restrictions **145** 57
– Securing the Future of Botany: Supporting the, [Advert] **147** [81]; **148** [90]; **149** [86]
– Spreading the word about, [3 new ways announced] **147** 56
– Strategy 2021-2024 – 3 goals listed and described **145** 4; approved by AGM **146** 2
– Supporter Survey **149** 55
– survey with vice-county recorders on Invasive non-native plants (2019) **142** 5
– Threatened Plants Projects results **142** 5
– Twitter feed – AEM 2020 screenshots and comments **146** 59
– two unique strengths – Ddb) & VCRs **148** 87-88
– Website – keep abreast of botanical news and events **146** 2
– Woodland Trust & Natural England – developing targeting tool to prevent inappropriate tree planting **147** 58
– work on invasive non-native species, Beyond mapping: the, [Photos] **142** 3-5
– YouTube Channel for botanical Videos, conferences and webinars **145** 57, 66; **146** 59, 66; **147** 56; **148** 61
- BSBI eNews – new monthly newsletter sent by email only **146** 2; **147** 56
- BSBI News
– 50th anniversary fell in January 2021 **150** 3
– Accessing and searching digitally **150** 6
– alien illustrations **150** 6
– Contributions to a history of, [Illus., Photos, Tables] **150** 3-7
– Editor – Andrew Branson retires **142** 2
– Editor – John Norton takes over (Biog.) **142** 2
– Editors and their ‘periods of office’ (Table) **150** 4
– Index and List of Members **145** 58
– Issue 9 (March 1975), first to have a line drawing of a plant on the cover (*Amsinckia* sp. by Jocelyn Russell) (Illus.) **150** 5
– Issue 81 (April 1999) with Olga Stewart’s bluebell logo, and *Amsinckia lycopsoides* by G.M.S. Easy, in its habitat, with a pair of Arctic Terns (Illus.) **150** 6
– Issue 101 (January 2006) shows the ‘new look news’ with its large format and colour cover and logo (Illus.) **150** 7
– Issue 137 (January 2018), BSBI had a thorough redesign and used colour printing throughout (Illus.) **150** 7
– Issue 146 – predominant theme of botanical discovery **146** 2
– Volume 1 No. 1, January 1972 (Illus.) **150** 3
- Bucht, Julien, Emmanuel Catteau, & ten others – *Vegetation du Nord de la France: Guide de Détermination* (Rev.) **149** 77

- BUCKINGHAM, SUE, *ET AL.* – *Serapias vomeracea*: first wild record for Britain and Ireland [v.c.15] [Photos] 146 7-10
- BUCKLAND, MARTIN – *Memories of Pilea microphylla* 145 84-85
- Buddleja davidii* (v.c.58) 147 23; (v.c.H21) 141 54
– commonest species recorded in Urban Flora Project (Scotland) 145 32
– Interpetiolar stipules (Illus) 144 28
- Buglossoides* – splits from *Lithospermum* in Stace 4 141 12
- BUNGARD, STEPHEN, & MCINTOSH, JIM – Country Roundups – Scotland [Photo] 141 59-60
- Bunium bulbocastanum* (Descr.) (1st record v.c.13) 147 5
– 36 associate taxa listed (Table) 147 8
– description of colonies in v.c.13 147 5-6
– Floristic table for 2 × 2 m sample areas at *Bunium* sites. Domin scale. 147 8
– on the South Downs in v.c.13, A recently discovered colony of, (Photos) 147 5, 6
– on the South Downs [Map, Photos, Table] 147 5-11
– records in south-east England (Map) 147 7
- Bupleurum baldense* (v.c.113G) 148 66
– disjunct distribution in BI 148 25
- Burberry, Mr R.A. – Report of death of 145 75
- Burning methods of control in upland Britain - controversial 150 39
- Burns, Miss A. – congratulated on 60 yrs membership 149 55
- BURTON, RODNEY – John Robin Palmer (1931-2019) (Obit.) 143 63-64
– Looking back with a Grimace 148 89
– Notes on *Pilosella flagellaris* (Willd.) P.D. Sell & C. West in the British Isles [Photos] 148 54-58
- Butler, Joseph Kenneth, (1939-2017), (Obit.) (Photo) 141 64-66
- Butomus umbellatus* (v.c.50) 145 64; (v.c.63) 143 8, 11; (v.c.H33) 150 45
– River Avon near Bradford-on-Avon (v.c.8) 142 36
- Buttercups, Beginner's Corner: Starting with, [Photos] 144 48-49
– Comparison of flowers and leaves of the three common, (Photos) 144 49
- Byrne, Cliona, & Kate Harrington – New joint VCRs for Co. Louth (v.c.H31) 143 58
- Calamagrostis* – 5 species known to occur in British Isles. 2 (now 3) from Ireland 144 16
- Calamagrostis canescens* (Descr.) 144 18
– as yet unrecorded in Ireland 144 18
- Calamagrostis epigejos* (Descr.) 144 18; (v.c.43) 144 72
- Calamagrostis purpurea* (Descr.) 144 17, 18, (Photo) 16, 17; (Table) 16-19, 20; (v.c.69, 70, 88, 89), 18, (v.c.90, 92) 16, 18, (v.c.96, 98) 18, (v.c.H22) 16, 17
– apomict complex derived autopoloid of *C. canescens* & by hybridisation with *C. epigejos* 144 16
– assigned to *C. purpurea* ssp. *phragmitoides* 144 16
– in Co. Meath (v.c.H22) first report from Ireland [Photos, Tables] 144 16-19
– taxonomy 144 16
- Calamagrostis scotica* (Descr.) 144 18, (v.c.109) 73
– Alister Clunas helping with survey of, at Loch of Durran, near Thurso [v.c.109] (Photo) 144 87
– status discussed 144 73
- Calamagrostis stricta* (Descr.) 144 18; (v.c.49) 143 50
– error for *C. epigejos* in (v.c.43) 144 72
- Calandrinia ciliata* (Descr.) (v.c.1a, 3, 13, 27) 147 43
– North Walsham and Dilham Canal (v.c.27) (Photo) 147 43, 48
- Calandrinia menziesii* (Descr.) (Photo) (v.c.1b) 148 52-53
- Calandrinia umbellata* (Descr.) (v.c.1) 147 44
- Calcareous concretion associated with *Limonium procerum* and storm damage resilience [Photos] 146 29-30
- Calepina irregularis* not seen in v.c.11 since first record 2014
- Callistephus chinensis* (Descr.) (Photo) (v.c.9) 150 51
- Callitriche* spp. (v.c.63) 143 6, 8
– at the workshop in June, Looking for, [Llangors Lake, v.c.42] (Photo) 142 62
- Callitriche palustris* – threat status amended to VU in Red Data List (2017-2018) 141 5
- Callitriche stagnalis* (v.c.106) 141 27, 28; (v.c.H28) 143 53
- Callitriche truncata* (Photo) 146 67; (v.c.H12, H23, H24, H25) 146 68
- Calluna vulgaris* (Hirta, v.c.110) 142 60
- Calocedrus* – extra taxa in Stace 4 141 10
- Caltha palustris* (v.c.110) 148 72
– closed ochrea-like stipules 144 30
- Caltha palustris* ssp. *polypetalata* (Descr.) probably no BI records 146 40
– (1st record v.c.58) 144 53; record from v.c.58 misnamed 146 40
- Calystegia sepium* (v.c.11) 149 40
- Calystegia silvatica* – Roy Vickery demonstrating ‘Granny jump out of bed’ with flower of Large Bindweed, Wimbledon Common, London (Photo) 143 77
- Calystegia soldanella* (v.c.6) 142 57; (v.c.11) 147 3; (v.c.75) 144 42
- Cambridgeshire, Flora of*, by Alan Leslie (Rev.) 144 78-79
- Campanula glomerata* (v.c.85) 145 64
– dry calcareous grassland indicator species 148 35
- Campanula latifolium* (v.c.66) 147 59
- Campanula medium* (v.c.58) 147 23
- Campanula patula* – a special species (v.c.47) 141 35
- Campanula poscharskyana* – wall plant (v.c.58) 147 24
- Campanula ramosissima* (1st Irish record (v.c.H12) 142 46
- Campanula rotundifolia* (v.c.112) 149 67
– dry calcareous grassland indicator species 148 35
- Canal, The North Walsham and Dilham, [v.c.27]: a fruitful place for adventives and aliens [Photos] [Table] 147 48-50
- Canals, plants and people: a Yorkshire perspective* by R Goulder (Photo) (Rev.) 141 77
- Candide – Comments on Smartphones and tablets id app. 144 40
- Cannon, John – 1984 BSBI Presidential Address titled ‘Seaballs and Lakeballs’ 141 26
- Capsella bursa-pastoris* & *Ranunculus acris*, herbarium sheets at Whitby Museum (Photo) 144 32
- Capsella rubella* (v.c.6) 142 41
- Capsicum annuum* (v.c.14) 141 43
- Cardamine amara* (v.c.17) 146 49; (v.c.48) 145 63
- Cardamine bulbifera* – (v.c.21) 145 37; (v.c.24) 141 19
- Cardamine heptaphylla* (Descr.) (v.c.69, 97) 149 53
- Cardamine occulta* (Descr.) (v.c.6) 144 60, (1st record v.c.13), 142 41; (v.c.21 29) 142 41, 144 60; (v.c.

- 57 144 60; (v.c.64) 142 41; (v.cc.95, H12) 142 41, 144 60
 – (Brassicaceae) in 2019, British records of, [Photo] 144 60
 – trending alien 142 40
 – widespread waiting to be discovered 144 60
- Cardamine raphanifolia* (Descr.) (v.c.12) 150 52; (v.c.64) 143 38; 150 56
- Carduus acanthoides* (1st Welsh record v.c.50) 142 63
- Carduus crispus* – possible archaeophyte in Scotland 142 17
- Carduus nutans* (v.c.47) (Photo) 147 60; (v.c.52) 148 69
- Carduus* × *stangii* (*C. crispus* × *C. nutans*) (v.c.23) 145 60
- Carduus tenuiflorus* (v.c.23) 145 60
- Carex acuta* (v.c.7) 142 36; (v.c.10) 148 25
- Carex appropinquata* (v.c.H11) 143 53
- Carex arenaria* (v.c.1) 150 68; (v.c.59) 142 23
- Carex bigelowii* (v.c.49) 143 50; (v.c.64) 143 55; (v.c.110) 142 60
- Carex binervis* (v.c.46) 148 69
- Carex canescens* (v.c.H9) 148 74
- Carex capillaris* (v.c.97) 148 72
- Carex cespitosa* (Descr.) (Photos) (v.c.20) 150 30, 31
 – Is, really confined to a single location in Britain and Ireland? 150 30-31
 – may be overlooked as *C. elata* 150 30
- Carex comans* – trending alien 141 41
- Carex davalliana* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) 141 5
- Carex diandra* – Loch Hallan SSSI (v.c.110) 146 36
- Carex dioica* (v.c.46) 145 63; (v.c.64) 143 55
- Carex distans* – North Meadow NNR at Cricklade (v.c.7) 142 36
- Carex disticha* (v.c.4) (Photo) 147 58; (v.c.7) 142 36
- Carex divulsa* (v.c.H16) 149 69
- Carex divulsa* ssp. *divulsa* (v.c.H16) 148 74
- Carex echinata* (v.c.17) 145 60
- Carex elata* (Descr.) (v.c.20) 150 30
 – populations should be checked for *C. cespitosa* 150 30
- Carex filiformis* (Photo) 145 23; (v.c.7) 142 3
 – 13 known populations in BI, all protected 145 23
 – Current 10 km square distribution map for, (Map) 145 25
 – Historic records of, in Wiltshire [Illus., Map, Photo] 145 23-25
 – Letter & map by Ted Lousley re re-finding in 1st known location (v.c.7) (Illus.) 145 24
- Carex* × *haussknechii* (*C. otrubae* × *C. spicata*) (v.c.6) 144 71; (v.c.7) 142 36; (1st record v.c.55) 144 71
- Carex humilis* (v.c.6) 142 57; (v.c.8) 150 65; (v.c.10) 148 25
 – Members of the Somerset Rare Plants Group studying, (Photo) 142 57
 – Wiltshire 142 33
- Carex* × *involuta* (*C. rostrata* × *C. vesicaria*) (v.c.80) 141 59
- Carex lachenalii* (v.c.92) 142 61
- Carex laevigata* (v.c.H18) 148 74
- Carex lasiocarpa* (v.c.11) 146 63; (v.c.46) 145 63; (1st record v.c.H11) 143 53; (v.c.H33) 150 46
- Carex limosa* (v.c.42) 148 68; (v.c.H33) 150 46 (Photo) 148 68
- Carex* × *luteola* (*C. distans* × *C. lepidocarpa*) (1st Welsh record v.c.49) 149 64
- Carex montana* (v.c.3) 142 57
- Carex muricata* ssp. *muricata* – disjunct distribution in BI 148 25
- Carex nigra* (v.c.110) 148 72
- Carex paniculata* (v.c.32) 145 60; (v.c.75) 144 41
- Carex pauciflora* – Lundale River moorland (v.c.110) 146 37
- Carex pendula* – Increasing native species in v.c.81 144 23
 – woodland by the Blackadder Water (NT85) [v.c.81] (Photo) 144 23
- Carex pilulifera* [~~vaginata~~] Coire Lochain (v.c.97) (Photo) 148 72; sp. corrected 149 67
- Carex* × *pseudoaaxillaris* (*C. otrubae* × *C. remota*) (v.c.52) 141 61
- Carex punctata* (1st record v.c.H12) 149 69
 – Ballyhack (v.c.H12) (Photo) 149 69
- Carex remota* (v.c.85) 145 29
 – sample image for AI id. (Photos) 144 35
- Carex simpliciuscula* – Upper Teesdale records increased from 200 records to 2,419 144 47
- Carex spicata* (v.c.49) 145 64
- Carex strigosa* – last individual in Hampstead area (v.c.21) killed by dog urine 145 37
- Carex* × *subgracilis* (*C. acuta* × *C. acutiformis*) [putative] (v.c.87) 141 59
- Carex trinervis* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) 141 5
- Carex* × *turfosa* (*C. elata* × *C. nigra*) (1st record v.c.15) 145 60; (v.c.74) 141 59
- Carex uncinata* – 1st British record (Descr.) (v.c.2) 141 41
- Carex vaginata* (v.c.97) 148 72; reidentified as *C. pilulifera* 149 67
- Carex vesicaria* (v.c.55) 145 60; (1st recent record (v.c.91) 146 66; (v.c.H22) 144 17
- Carex viridula* (v.c.67) 149 61
- Carine, Mark, – *The Collectors* - Creating Hans Sloane's Extraordinary Herbarium, ed. by, (Rev.) 147 78
- Carnivorous Plants* by Dan Torre (Rev.) 142 75
- Carpinus betulus* – infested by *Viscum album* in v.c.24 141 19
- Carthamus tinctorius* (Descr.) (v.c.62) 141 45; (v.c.14) 148 39
- Carthamus tinctorius* cf. var. *inermis* (v.c.14) 148 39
- Carum verticillatum* (v.c.44) 142 62
- Caryophyllaceae – *Minuartia* splits to *Minuartia*, *Sabulina* and *Cherleria* in Stace 4 141 12
 – Referees sought for several genera of, 147 55
 – stipules present or absent 144 30
- Castroviejo, S., (Coordinador General) – *Flora Iberica. Plantas Vasculares de la Peninsula Iberica e Islas Baleares, Volume XIX (2), Gramineae (partim)* (Rev.) 150 87-88
- Catabrosa aquatica* (Descr.) 150 24; (v.c.42) 145 63; (v.c.59) 150 24
 – plants, Attributes of, at Hightown [v.c.59] compared with two varieties (Table) 150 27
- Catabrosa aquatica* var. *uniflora* (Descr.) 150 24, (v.c.58) 26, (v.c.59) 24, (v.c.69) 26
 – Hightown sand dunes, Merseyside (v.c.59) [Photos] [Tables] 150 24-27
- Catananche caerulea* (Photo) 149 65; (1st Welsh record v.c.49) 64
- Catapodium marinum* (v.c.5) 145 60; (v.c.58) 147 23
- Catapodium rigidum* (v.c.9) 141 30; (v.c.48) 148 69; (v.c.85) 149 59

- Catteau, Emmanuel, Julien Buchet & ten others – *Vegetation du Nord de la France: Guide de Détermination* (Rev.) **149** 77
- Caucalis platycarpus* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Caylusea abyssinica* (Descr.) (v.c.17) **144** 61; (v.c.10) 62 – birdseed casual, in Surrey (v.c.17) [Photos] **144** 61-62 – in a Surrey (v.c.17) garden and close-up of flowers (Photos) **144** 61
- Celtica* – splits from *Stipa* in Stage 4 **141** 12
- Centaurea hyalolepis* (Descr.) (Photo) (v.c.10) **143** 35, 36
- Centaurea intybacea* (Descr.) (v.c.10) **147** 41
- Centaurea solstitialis* (Descr.) **143** 35; (v.c.10) **147** 41; (v.c.15) **147** 42
- Centaurium erythraea* – important for the Dowdy Plumemoth **148** 35
- Centaurium intermedium* – added to Red Data List (2019-2020) **147** 27
- Centaurium littorale* (v.c.52) **148** 69; (v.c.75) **144** 42
- Centaurium portense*, Newport (Photo) **143** [i]
- Centaurium pulchellum* (v.c.12) **148** 67; (v.c.35) **145** 62
- Centaurium tenuiflorum* subsp. *anglicum* – added to Red Data List (2019-2020) **147** 27
- Centranthus ruber* (Descr.) **150** 61, (v.c.57) 58; (Photos) (v.c.81) **145** 30
– Spread of a non-native in the British Isles, with a focus on v.c.57 [Maps] [Photo] [Tables] **150** 58-61
- Centunculus* – merged into *Lysimachia* in Stage 4 **141** 13
- Cephalanthera damasonium* (v.c.7/8) **142** 37; (v.c.19) **148** 67; (v.c.21) **145** 37
- Cephalanthera longifolia* (v.c.12) **143** 46; (v.c.47) **141** 35; (v.c.49) **142** 62
- Cephalanthera rubra* (v.c.34) (Photo) **148** 66
- Cerastium alpinum* (v.c.49) **146** 64
- Cerastium pumilum* (v.c.8) **142** 34; (v.c.50) **148** 69
- Cerastium semidecandrum* – Loch Hallan SSSI (v.c.110) **146** 36
- Ceratocapsus claviculata* (v.c.7) **142** 37; (v.c.75) **144** 41
- Ceratophyllum demersum* (v.c.63) **143** 7, 8, 11; (v.c.H33) **150** 45
- Ceratophyllum submersum* (v.c.35) **143** 49
– in Lincolnshire, Richard Lansdown collecting, (Photo) **142** 15
- Cercidiphyllum japonicum* (Descr.) (v.cc.9, 17, 21, 22, 39, 44, 68) **142** 43
- Cerinthe glabra* (Descr.) (v.c.58) **144** 53
- Cerinthe major* (Descr.) (1st record v.c.58) **144** 53; (1st record v.c.64) **144** 15
- Cerinthe minor* (Descr.) (v.c.58) **144** 53
- Chaenorhinum minus* (v.c.28) **142** 44
– neophyte colonizer of railway ballast in Scottish Borders **142** 17
- Chaenorhinum origanifolium* (Descr.) **146** 45; (Photo) (v.c.55) 45; **148** 42; (v.c.59) **148** 42
- Chamaecyparis* – merged into *Cupressus* in Stage 4 **141** 13
- Chamaenerion angustifolium* (v.c.57) **145** 27
– Phenology of *Urtica dioica* &, **148** 9
- Chamaerops humilis* (Descr.) **145** 43
- Chamberlain, Dr D.F. – congratulated on 60 yrs membership **149** 55
- Change, Apparent, Average Apparent Change & Relative Apparent Change equations **150** 60
- CHAPMAN, NORMA – Yvonne June Leonard (1940-2021) (Obit.) (Photo) **150** 80-81
- Chara virgata* (v.c.97) **148** 72; (v.c.H28) **143** 53
- Chara/Nitella* (v.c.63) 8
- Charophyta – referee Nick Stewart has new address **141** 79
- Charophytes – included in Atlas for first time **150** 74
- CHATER, ARTHUR – John Peter Savidge (1933-2021) (Obit) (Photo) **150** 83-84
– Peter Michael Benoit (1931-2021) (Obit.) (Photo) **147** 64-67
– Rev. of *Alchemilla*. A Field Guide to the Lady's-mantles of the British Isles (by Barbara G. Hogarth) **146** 78-79
– Rev. of *Alchemilla*. A Study of the *Alchemilla Microspecies Found in Northern Scotland* (by Barbara G. Hogarth) **146** 78-79
– Rev. of *Ecology and Natural History* (by David M. Wilkinson) **149** 77-78
– Rev. of *The Extraordinary Story of the Apple* (by Barrie E. Juniper & David J. Mabberley) **143** 74-75
- Chatters, Clive – *Heathland* (Rev.) **148** 84
- Checklists (Scotland) **141** 60
- Chenopodiastrum* – splits from *Chenopodium* in Stage 4 **141** 12
- Chenopodium* – splits to *Lipandra*, *Chenopodiastrum*, *Oxybasis* & *Blitum* in Stage 4 **141** 12
- Chenopodium acerifolium* (1st record v.c.17) **141** 58
- Chenopodium album* (v.c.14) **141** 47; (v.c.64) **149** 52
- Chenopodium berlandieri* (Descr.) (Photos) (v.c.57) **149** 49, 50
- Chenopodium bonus-henricus* (Photo) (v.c.64) **143** 55
- Chenopodium bushianum* (Descr.) (Photos) (v.c.57) **149** 49, 50
- Chenopodium giganteum* (Descr.) (v.c.6) **141** 42; (1st record v.c.10) **141** 42
– trending alien **141** 41
- Chenopodium glaucum* (v.c.35) **149** 63
- Chenopodium hybridum* (v.c.35) **141** 62; (Photo) (1st record v.c.H2) **141** 46, 47
– trending alien **141** 41
- Chenopodium opulifolium* (Descr.) (Photo) (v.c.63) **150** 56
- Chenopodium polyspermum* (v.c.47) **146** 64
- Chenopodium quinoa* (Photo) **148** 28; (v.c.62) **141** 45
– trending alien **141** 41
- Chenopodium rubrum* (v.c.35) **149** 63
- Chenopodium striatiforme* (Descr.) (Photo) (v.c.57) **150** 55, 56
- Chenopodium suecicum* (1st record v.c.17) **141** 58
- Cherleria* – splits from *Minuartia* in Stage 4 **141** 12
- Chiastophyllum oppositifolium* (v.c.64) **142** 45
- Chief Executive Officer – Julia Hanmer appointed **147** 2
- Christadella dentata* – naturalised indoor tropical weed (v.c.83) **145** 51
- Church, Tony – *Arran's Flora*. Fully Revised Checklist (Rev.) **143** 75
- Cicer arietinum* (1st record v.c.29) **144** 53; (v.c.29, 64) **149** 51
- Cicerbita alpina* – talk at Scottish Conference **143** 50
- Cicerbita macrophylla* ssp. *macrophylla* (Photo) (v.c.64) **147** 46, 47
- Cicerbita macrophylla* ssp. *uralensis* (v.c.64) **147** 46
- Cicuta virosa* (v.c.75) **144** 42; (v.c.110) **146** 36; (v.c.H33) **150** 45
- Circaea* × *intermedia* (v.c.46) **145** 63
– recorded in Ireland in absence of one of the parents **144** 18

- Cirsium acaule* – dry calcareous grassland indicator species **148 35**
- Cirsium arvense* (v.c.14) **141 47**; (v.c.26) **145 5**
- Cirsium dissectum* (v.c.102) **141 59**; (v.c.H6) **148 74**
– not refund in v.c.38 in 2020 **145 61**
- Cirsium heterophyllum* – Birgham Wood (v.c.85) **145 29**
- Cirsium tuberosum* (Photo) (v.c.8) **142 34, 35**
– in photo on **142 34** renamed *C. eriophorum* **143 58**
- Cladium mariscus* (v.c.H33) **150 46**
- Cladonia portentosa* – co-habitant of roadside halophytes v.c.67 **149 30**
- Cladonia rangiferina* (v.c.27) only English lowland site **146 84**
- Clark, Jo – joins Sarah Stille as Joint Recorder for v.c.48 (Biog.) **142 76**
– remains as joint VCR for Meirioneth (v.c.48) **143 57**
- Clark, Jo, & Sally Peacock – new Joint Recorders for v.c.48 **145 62**
- Clarke, Dr G.C.S. – congratulated on 60 yrs membership **149 55**
- Clattinger Farm NNR (v.c.7) (Descr.) **142 37**
– Species-rich hay meadow, with *Primula veris* and *Anacamptis morio*, at, (Photo) **142 36**
- Cleal, Christopher J. & Barry A. Thomas – *Introduction to Plant Fossils* (2nd Edn) by, (Rev.) **144 84**
- Cleave, Andrew – *A naturalist's guide to the wild flowers of Britain and Northern Europe* (2nd Edn) by, (Rev.) **141 77**
- Clematis cirrhosa* (1st Irish record v.c.H38) **148 74**
- Clematis vitalba* (Photo) **142 8**; (v.c.67) **149 61**
- CLEMENT, ERIC J. – Thomas Bruno Ryves OBE (1930-2019) (Obit) [Photo] **143 65-67**
- Cleome viscosa* – coco peat pot weed (Descr.) (?1st record BI, v.c.29) **150 70**
- Clerodendrum bungei* (Descr.) **142 43**; **146 41-42**; (v.c.9) **150 54**; (v.c.16) **142 43**; (v.c.17) **142 43**; **150 54**; (Photo) (v.c.28) **150 54**
- Clerodendrum trichotomum* (Descr.) (v.c.9) **146 41**
- Climate change – many taxa will become climate refugees **145 82**
- Clinopodium acinos* (v.c.8) **142 34**; (v.c.17) **149 61**; (v.c.H14) **148 73**
- Clinopodium nepeta* (Descr.) (Photo) (v.c.11) **149 38-40**
- CLOUGH, JERRY – Publications Committee [Pubs] **144 67**
- Clunas, Alistair, helping with survey of *Calamagrostis scotica* at Loch of Durran, near Thurso [v.c.109] (Photo) **144 87**
- Cochlearia danica* (v.c.58) **147 23**; (1st record v.c.111) **147 62**
– Dash Cam shot showing the imprinted data (Photo) **146 33**
– Map produced using records from Dash Cam **146 32**
- Cochlearia officinalis* (v.c.106) **141 27**
- Cochlearia pyrenaica* (v.c.64) **143 55**
- Coco peat – 44 taxa identified as contaminants in New Zealand **150 69**
– introductions in Monksilver Nursery, Cottenham, (v.c.29) **150 69**
– Plant introductions with, [Photo] **150 69-71**
– what it is & how it's made **150 69**
- Codling, Mr A.N. – congratulated on 60 yrs membership **149 55**
- Coeloglossum viride* (v.c.7) **142 35**; (v.c.48) **148 70**; (v.c.75) **144 42**
- Coincya monensis* ssp. *cheiranthos* (v.c.7/8) **142 37**; (v.c.28) **142 44**
- Cole, Sean – preview of forthcoming orchid field guide (Exbt 2019) **143 56**
- Cole, Sean, & Mike Waller – *Britain's Orchids. A Field Guide to the Orchids of Great Britain and Ireland* by, (Rev.) **147 73-74**
- Coles, Peter – *Mulberry* by, (Rev.) **145 80**
- Collaborative Action for the Natura Network (CANN) project **149 67**
- Collections in use (MSB) – *Ranunculus ophioglossifolius* grown from seed and ready for reintroduction (Photo) **142 16**
- Collectors, The*, - Creating Hans Sloane's Extraordinary Herbarium, ed. by Mark Carine (Rev.) **147 78**
- COLLIER, PHIL, ROBIN GARNETT & MARTIN RAND – *Dianthus gallicus* newly recorded from mainland UK [v.c.11] [Photos] [Table] **147 12-14**
- Collinsia heterophylla* (Descr.) (Photo) (v.c.9) **148 37**; (v.c.13) **38**
- Comarum palustre* (v.c.43) **143 49**
- Comment: Mind the gap [Photo] **142**
- Committee for Scotland – 2 members co-opted re younger botanists **145 65**
- Common species decline is major conservation challenge **149 83**
- Common, James, joins Chris Metherell as joint VCR for v.c.68 **149 58**
- Communications Committee, Meetings and, [Notes from] **141 78-79**
- Comparison of flowers and leaves of the three common buttercup species in Britain and Ireland (Photos) **144 49**
- Compasses – paper maps and, still essential **142 39**
- Conferences, BSBI – Watch the videos on our YouTube Channel **147 56**
- Congratulations – [Photo] **141 80**; **142 80**
- Conifer Genera, Morphology and Identification of the World's*, by V. M. Dörken & H. Nimsch (Rev.) **143 73-74**
- Conifer training day (v.c.46) (Rpt) **141 61**
- Conifer workshop, Ireland, with Matt Parratt [v.c.H38] (Photo) **144 74**
- Conifers – online multi-access key **141 58**
- Conium maculatum* (v.c.26) **145 4, 5**; (v.c.58) **147 24**; (v.c.83) **149 52**
– has stipels, stipule-like outgrowths **144 29-30**
- Conocephalum japonicum* – naturalised indoor tropical weed (Photo) **145 50**; (v.c.83) **51**
- Conservation – Biodiversity, Species databases are under-exploited **149 82-83**
– BSBI's record in contributing to plant, **148 88**
– common taxa need similar data to rare & threatened **149 83**
– Policy, BSBI, **145 58**
– Policy document imminent, BSBI's, **142 2**
– Plant, the BSBI database is under-exploited **148 87-88**
- Conservation, BSBI and plant, **147 3-4**
– a Response **148 88**
– Local Nature Recovery Networks **147 3-4**
– main role is to gather information **147 3**
– must ensure right trees planted in right places **147 3**
– new policy on nature conservation on website **147 3**
– Position Statement **147 4**
– Summary of Policy Objectives **147 4**

- Contributions to a history of *BSBI News* Part 1. Now we are 50: overview, changing appearance and access [Illus.], [Photos], [Table] **150** 3-7
- Convolvulus arvensis* – archaeophyte colonizer of railway ballast in Scottish Borders **142** 17
- Convolvulus cneorum* (v.c.9); 1st record v.c.14 **150** 53
- Conyza* – merged into *Erigeron* in Stace 4 **141** 13
- Conyza canadensis* (v.c.87) **147** 61
- Conyza floribunda* (v.c.50) **149** 65
- Cook, Dr C.D.K., – congratulated on 60 years membership **143** 58
- Cook, Peter and Richard Middleton – retire as VCRs for S.E. Yorks. (v.c.61) (Biog.) **143** 57
- COOKE, ROB – Rev. of *Polypodium Cultivars and Species* (by Martin Rickard) **145** 81
- Cooper, Sara – mural in Middlesbrough Station showing repeat pattern of *Arabidopsis thaliana* **147** 59
- Cope, Tom – elected Honorary Member – 2019 **143** 56
- Coprosma repens* – Interpetiolar stipules (Illus) **144** 28
- Corallorhiza trifida* (v.c.74) **141** 59; (v.c.97) **149** 71
- Cornus sericea* (v.c.4) **142** 41
- Cornus suecica* (v.c.62) **145** 61
- Cornwall, *A Flora of*, by Colin French (Rev.) **146** 77-78
- Correction – photo on page **142** 34 shows *Cirsium eriophorum*, not *C. tuberosum* **143** 58
- to Teesdale Special Flora email in *BSBI News* **144** **145** 59
- Cortaderia* – are other species in B&I **144** 63
- descr. of lemmas in Stace Ed. 3 and Ed. 4 reversed **145** 54
- seed-set difference due to *C. selloana* being a self-incompatible hermaphrodite **145** 54
- Cortaderia richardii* (1st record v.c.104) **143** 40
- apparent 17-fold increase in records since Atlas 2000 **144** 62
- different view of its distribution in Britain and Ireland [Maps, Table] **144** 62-63
- postscript **145** 54
- Cortaderia richardii* and *C. selloana*, Distinguishing characteristics of, (Table) **144** 62
- plotted by 10 km squares (Maps) **144** 63
- Cortaderia selloana* (v.c.46) **145** 63
- Corydalis cheilanthifolia* (Descr.) (v.c.17) **148** 40; (1st record v.c.40) **145** 61
- Cota* – splits from *Anthemis* in Stace 4 **141** 12
- Cota tinctoria* ssp. *australis* (1st BI record, v.c.58) **145** 61
- Cotinus coggygria* (v.c.14) **148** 39
- Cotoneaster* – extra taxa in Stace 4 **141** 11
- Invasive non-native plant **142** 4
- Cotoneaster marginatus* (Descr.) (Photo) (1st record v.c.14) **146** 43
- Cotton, Don – report of death of; VCR for v.c.H28) for 16 years (Biog.) **150** 76, 84
- Cotula* – includes *Solvia* in Stace 4 **141** 13
- Cotula alpina* (habitat descr.) **142** 45; (v.c.64) **142** 45 (v.c.62, 56, 104) **142** 46
- Cotula australis* (Photo) (1st record v.c.14) (v.c.17) **145** 45; (v.c.27) **147** 44; **148** 41
- Cotula coronopifolia* (v.c.16) **149** 48; (v.c.41) **150** 67; (1st record v.c.46) **149** 63; (v.c.58) **143** 38
- COUNTRY ROUNDUPS **141** 58-63; **142** 56-65; **143** 46-53; **144** 71-74; **145** 60-66; **146** 61-68; **147** 58-63; **148** 65-74; **149** 60-69
- England (Photo) **141** 58-59; (Photo) **142** 56-58; (Photo) **143** 46-48; **144** 71-72; **145** 60-62; (Photos) **146** 61-63; (Photos) **147** 58-59; (Photos) **148** 65-67; (Photos) **149** 60-62
- Ireland (Photo) **141** 62-63; (Photos) **142** 64-65; (Photos) **143** 51-63; (Photo) **144** 74; **145** 65-66; **146** 67-68; **147** 63; (Photos) **148** 73-74; (Photos) **148** 73-74
- Scotland (Photo) **141** 59-60; (Photos) **142** 59-61; (Photo) **143** 50-51; (Photo) **144** 73; **145** 64-65; (Photos) **146** 65-67; (Photos) **147** 61-62; (Photos) **148** 70-73; (Photos) **149** 65-67
- Wales (Photos) **147** 60-61; (Photos) **148** 68-70; (Photos) **149** 62-65
- Wales Cymru [Photo] **141** 61-62; (Photo) **142** 61-63; (Photos) **143** 48-50; (Photo) **144** 72; **145** 62-64; (Photo) **146** 63-65
- Countryside Survey [CS] – 14,000 sampling plots **142** 7
- DEFRA funded, **142** 7
- Covid (2020) – BSBI locked down & AEM, AGM & SBC will be virtual only **145** 3, 57
- BSBI's first Virtual AEM **146** 58-59
- daily hour of lockdown exercise put to good use **145** 60, 62
- field meetings cancelled **145** 4
- Increase in pavement plants due to reduced street maintenance in Wirral (v.c.58) **147** 22
- interrupts Urban Flora Project (Scotland) **145** 32
- Irish Meetings cancelled **145** 65
- positives in Scotland as well as negatives **147** 61-62
- restrictions force botanising locally **145** 2
- restrictions in Ireland **146** 68
- Scottish Field Meetings cancelled **145** 64
- Welsh meetings cancelled **145** 62
- Covid (2021) – BSBI indoor meetings incl. AEM, AGM & Scottish BM all virtual via Zoom **148** 2, 59; **149** 2
- Field Meeting changes flagged on website **146** 58; **147** 54
- vaccine may enable some field meetings from late Spring onwards **146** 2
- Cowe, Robin – new VCR for v.c.81 **144** 21
- Cowen, Mrs S.R. – Report of death of (Biog.) **145** 75
- Cowley, Liz, John Akeroyd & Donough O'Brien – *Plants & Us. How They Shape Human History and Society* (Rev.) **149** 80-81
- [Cragg]-Barber, Martin John (1954-2019) (Obit.) [Photo] **145** 66-69
- Report of death of **145** 75
- Craig Benglog, An intrepid Martyn Stead at, [v.c.48] (Photo) **143** 49
- Crassula helmsii* (1st record v.c.87) **146** 66; (1st record v.c.H2, now eradicated) **149** 68
- Crassula tillaea* (v.c.26) **142** 56; (v.c.46) **149** 64; (1st record v.c.59) **145** 61; (1st record (v.c.98) **142** 59
- Crassulaceae – *Sedum* splits into *Rhodiola*, *Sedum*, *Phedimus*, *Hylotelephium* & *Petrosedum* in Stace 4 **141** 12
- Crataegus laevigata* – *Viscum album* host in v.c.25 **143** 26
- Crataegus monogyna* – infested by *Viscum album* in v.c.24 **141** 19
- Typical paired stipules leaf-like (Illus.) **144** 28
- *Viscum album* host in v.c.25 **143** 26
- Crataegus pentagyna* (Descr.) (Photo) (v.c.64) **147** 46
- CRAWFORD, CAROL – Introducing my Vice-county – Ayrshire (v.c.75) Recorders: Gill Smart, Dave Lang & Carol Crawford [Photos] **144** 41-45

- Crawford, Mairead & Oisín Duffy (VCRs **H34**) have a new address **147 55**
- CRAWLEY, MICK – British records of *Cardamine occulta* Hornem. (Brassicaceae) in 2019 [Photo] **144 60**
– BSBI Research Grants **144 68**
– Rev. of *Grassland Plants of the British and Irish Lowlands* (by Peter Stroh, Kevin Walker, Stuart Smith, Richard Jefferson, Clare Pinches & Tim Blackstock) **143 68**
- Crepis capillaris* (Descr.) (Photo) **147 37, 38**
- Crepis mollis* (Descr.) **143 22**, (Table) **23**; (v.c.64) **143 22**; (v.cc.64, 65, 66), **23**; (Photo) (v.c.67) **143 22, 46; 148 67**; (v.cc.68, 69, 70, 72, 78, 80, 81, 83, 87, 88, 89, 90, 91, 92, 94) **143 23**
– Numbers of sites for, in the British vice-counties in which it has been recorded (Table) **143 23**
– Whatever happened to, [Photos] [Table] **143 22-24**
- Crepis paludosa* (v.c.48) **148 69**
- Crepis sancta* – evidence for active evolution in Montpelier **145 34**
- Crepis vesicaria* (Descr.) (Photo) **147 37, 38**
- CRIBB, PHILLIP – Jeffrey James Wood (1952-2019) (Obit.) (Photo) **142 67-68**
- Cribb, Phillip, with Rolf Kuhn & Henrik Pedersen – *Field Guide to the Orchids of Europe and the Mediterranean* (Rev.) **143 70-71**
- Cricklade, North Meadow NNR (v.c.7) (Descr.) **142 36-37**
- Crococsmia* × *crococsmiiflora* (v.c.104) **143 40**
- Crococsmia paniculata* (1st record v.c.104) **143 40**
- Crococsmia potsii* (1st record v.c.104) **143 40**
- Crocus kotschyanus* (1st Scottish record v.c.95) **143 39**, (Photo) **149 53**
- Crocus nudiflorus* (Descr.) (Photo) **144 24**; (v.c.80) **145 55**; (v.c.81) **144 24**
– all records should be checked for *C. speciosus* **145 55**
– and *C. speciosus* – are we muddling them? [Photo] **145 55**
- Crocus speciosus* (v.c.13) **150 53**
– not mentioned in most Floras prior to Stace 1 & there with restricted distribution **145 55**
– (previously misnamed as *Crocus nudiflorus*), Coldingham, (v.c.81) (Photo) **145 55**
- Crocuses?, Are we muddling Autumn, [Photo] **145 55**
- Crompton, Gigi (1922-2020) (Obit.) [Photos] **145 69-73**
– at 7 Mall Studios, Parkhill Road, Hampstead, 1946 (Photo) **145 70**
– at a *Himantoglossum hircinum* site, Sailly-Laurette, France (Photo) **145 73**
– Report of death of (Biog.) **144 77**
- CROOK, CAMERON S. – Rev. of *Morphology and Identification of the World's Conifer Genera* (by V. M. Dörken & H. Nimsch) **143 73-74**
- Cross, Rob, & Roger Spencer – *Plant Names. A Guide to Botanical Nomenclature* (4th Edn) by, (Rev.) **146 81-82**
- CROSSLEY, JOHN, & FRED RUMSEY – Glands on *Dryopteris carthusiana* and *D. dilatata* [Photo] **150 28-29**
- CROSTON, ROGER – Rev. of *Plants Go to War. A Botanical History of World War II* (by Judith Sumner) **144 79-80**
- CROUCH, HELENA, & JOHN AKEROYD – *Persicaria glabra* – a potentially overlooked birdseed alien [Photos] **144 56-57**
- Cryptogramma crispa* (1st record v.c.2) (Photo) **146 62**; (Lomonds) **141 60**; (v.c.H31) **142 63**
– British Pteridological Society members at site nr summit of An Cliseam; mouth of Loch Seaforth in distance [v.c.110] (Photo) **146 38**
- CS (Countryside Survey), DEFRA funded, **142 7**
- Cucumis melo* (v.c.15) **142 42**
- Cucurbita maxima* (v.c.15) **142 42**
- Cucurbita moschata* (Descr.) (1st record v.c.15) (v.c.112) **142 42**
- CULHAM, ALASTAIR – Rev. of *Murder Most Florid: Inside the Mind of a Forensic Botanist* (by Mark A. Spencer) **145 78-79**
- Cumbria (v.cc.69+70) – inappropriate tree planting **147 58**
– Example of inappropriate tree planting near to Greystoke, (Photo) **150 40**
- Cupressaceae – *Cupressus* now includes *Cupressus*, *Chamaecyparis*, *Xanthocyparis* & ×*Cuprocypris* in Stace 4 **141 13**
×*Cuprocypris* – merged into *Cupressus* in Stace 4 **141 13**
- CURTIS, TOM, & PAUL WHELAN – The Wild Food Plants of Ireland **147 80**
- Curtis, Tom, & Paul Whelan *The Wild Food Plants of Ireland: The Complete Guide to their Recognition, Cooking, History and Conservation* by, (Rev.) **146 81**
- Cuscuta campestris* (v.c.8) **142 36**; (v.c.35) **141 44**, (1st record v.c.58) (Photo) **141 45**
– parasitising bird-feeder aliens (Photo) **148 64**
– trending alien **141 41**
- Cymbalaria* – 3 spp. & 2 spp. in Britain & Ireland **143 13**
– comparison of the taxonomy of the genus, (22 taxa listed) (Table) **143 14**
– plants with unusual morphology, DNA Barcoding of, **143 19**
– The genus, in Britain and the discovery of *C. muralis* × *C. pallida* [Photos] [Table] **143 13-21**
- Cymbalaria hepaticifolia* (Descr.) (Photos) (Table) **143 14-16, 18**
- Cymbalaria longipes* – recorded once in wild **143 19**
- Cymbalaria longipes* – v.c.3 plant may be misidentification for *C. muralis* ssp. *muralis* **143 19**
- Cymbalaria longipes* (Descr.) **143 19**; (Table) **143 14**; (v.c.3) **143 19**
- Cymbalaria muralis* (Descr.) **143 19**
– commonest species recorded in Urban Flora Project (Scotland) **145 32**
– long established in the wild since 1640 **143 13**
- Cymbalaria muralis* ‘Albiflora’ (Descr.) **143 15**
- Cymbalaria muralis* ‘Kenilworth White’ (Descr.) **143 15**
- Cymbalaria muralis* ‘Pallidior’ (Descr.) (v.c.21) **143 15**
- Cymbalaria muralis* × *C. pallida* (Descr.) (Photos) **143 17**; (Table) **143 14** (v.c.59, 63) **143 17**
– putative (Descr.) (Photos) (v.c.63, 64) **143 18**
– The genus *Cymbalaria* Hill (Toadflaxes) in Britain and the discovery of, [Photos] [Table] **143 13-21**
- Cymbalaria muralis* and *C. pallida*, Hybrid of, Simonstone [v.c.59] (Photo) **143 13**
- Cymbalaria muralis* f. *toutonii* (Descr.) **143 15, 16**; (Photos) **16**; (v.c.29) **15**
- Cymbalaria muralis* ssp. *muralis* (Descr.) **143 14, 16**, (Photos) **16**, (Table) **14**
- Cymbalaria muralis* ssp. *muralis* ‘Alba’ (Descr.) **143 15**
- Cymbalaria muralis* ssp. *muralis* ‘Nana Alba’ (Descr.) **143 15**
- Cymbalaria muralis* ssp. *muralis* × *C. pallida* in Britain – conclusion **143 21**

- Cymbalaria muralis* ssp. *visianii* (Descr.) (Table) **143** 14, (v.c.17) **143** 15
- Cymbalaria pallida* – Known from the wild in Britain since 1924 **143** 15
- Cymbalaria pallida* (Descr.) **143** 15, 16, (Photos) 16; (Table) 14; (v.c.14) **150** 53; (v.c.63) **143** 15
- Cymbalaria pallida* ‘Alba’ (or ‘Albiflora’) (Descr.) **143** 15
- Cymbalaria pallida* var. *beguinotti* (Descr.) (v.c.63) **143** 15
- Cymbalaria pubescens* (*C. muralis* ssp. *pubescens*) (Descr.) **143** 14, 17, (Table) **143** 14
- Cymbalaria* DNA Barcoding – putative hybrids (v.c.59) **143** 20; (v.c.63) **143** 20; (v.c.64) **143** 20 – methodology **143** 19
- Cymru, Wales, Country Roundups, (Photo) **141** 61-62; (Photo) **142** 61-63; (Photos) **143** 48-50; (Photo) **144** 72; **145** 62-64; (Photo) **146** 63-65
- Cynodon dactylon* (v.c.6) **145** 61
- Cynoglossum amabile* (Descr.) (v.c.1, 2, 34, 63, 64) **149** 52; (Photos) (v.c.82) **149** 52; (v.c.94) **141** 60; **149** 52
- Cynoglossum officinale* (v.c.49) **145** 63
- Cyperus eragrostis* (1st record v.c.49) **149** 64
- Cyperus fuscus* (Photo) (v.c.6) **149** 60; (v.c.11) **141** 42 – ‘Plant container alien’ (v.c.10) **141** 42 – sample image for AI id. (Photos) **144** 35
- Cyperus longus* (v.c.109) **144** 73
- Cyperus ustulatus* (Photo) (v.c.1b) **148** 41
- Cypripedium calceolus* – anecdote re visit to ‘the site’ (Photo) **147** 79 – Looking back with a Grimace **148** 89 – Looking Back with a Smile **147** 79 – problem with perceived disclosure of locality **148** 89 – re-introduction programme (v.c.64) **143** 54
- Cyrtium fortunei* (Descr.) (Photo) (v.c.9) **149** 45, 46
- Cystopteridaceae & Athyriaceae – split from Woodsiaceae in Stace 4 **141** 12
- Cystopteris alpina* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Cystopteris diaphana* – threat status amended to LC in Red Data List (2017-2018) **141** 5 – *Saussurea alpina* & *Rhodiola rosea* on ledge on Tahabhal, Uig [v.c.110] (Photo) **146** 39
- Cystopteris fragilis* ssp. *huteri* – added to Red Data Waiting List (2019-2020) **147** 30; (Photo) 31
- Dactylorhiza** spp. – Loch Hallan SSSI (v.c.110) **146** 36
- Dactylorhiza* × *formosa* (*D. maculata* × *D. purpurella*) (v.c.48) **145** 63
- Dactylorhiza fuchsii* (v.c.48) **145** 63
- Dactylorhiza fuchsii* ssp. *okellyi* – added to Red Data Waiting List (2019-2020) **147** 30
- Dactylorhiza* × *hallii* (*D. maculata* × *D. praetermissa*) (1st record v.c.57) **149** 62
- Dactylorhiza incarnata* (v.c.48) **148** 69; (v.c.75) **144** 42, 43
- Dactylorhiza incarnata* ssp. *coccinea*, Beirigh machair [v.c.110] (Photo) **146** 35
- Dactylorhiza incarnata* ssp. *incarnata* – North Meadow NNR at Cricklade (v.c.7) **142** 36
- Dactylorhiza incarnata* ssp. *lobelii* – added to Red Data Waiting List (2019-2020) **147** 30
- Dactylorhiza maculata* ssp. *maculata* and/or *elodes* – added to Red Data Waiting List (2019-2020) **147** 31
- Dactylorhiza praetermissa* (v.c.7) **142** 36; (v.c.45) **147** 61; (v.c.46) **148** 69
- Dactylorhiza praetermissa* ssp. *junialis* (v.c.35) **148** 68
- Dactylorhiza purpurella* (v.c.45) **147** 61; (v.c.47) **149** 64; (v.c.H6) **148** 74
- Dactylorhiza purpurella* ssp. *cambrensis* – added to Red Data Waiting List (2019-2020) **147** 31
- Dactylorhiza* × *venusta* (*D. fuchsii* × *D. purpurella*) (v.c.48) **145** 63
- Dahl, Mr P. – Report of death of **144** 77
- Damasonium alisma* – needs seasonally fluctuating water levels **148** 31 – once recorded from Hounslow Heath (v.c.21), now lost **145** 37
- Dandelion not a Dandelion?, When is a, (A beginner's guide to yellow composites) [Photos] **147** 37-39
- Dandelions – Difficult plant problem, The, [Photos] [Table] **149** 23-29
- Dandelions, Field Handbook to British and Irish*, by A.J. Richards (Rev.) **150** 85-86
- Darmera peltata* (Descr.) (Photo) (v.c.3) **146** 41; **148** 43; (v.c.14) **141** 43; (Photo) (v.c.87) **148** 43
- Darwin Tree of Life Project **149** 66
- Dash cams – choose one with embedded GPS **146** 32 – use OS to convert location from degrees to OS grid refs. **146** 32 – Using, for recording plants on road verges [Maps] [Photos] **146** 31-33
- Dasiphora* – misspelt as *Dasyphora* in two places (not main text) in *New Flora* **142** 32
- Database (Ddb) – access, discussions continue **148** 2 – Exploration of orchid records in the, in four regions of the British Isles [Graphs] [Photos] [Tables] **149** 16-22 – Members’ Access to the, **147** 54-55 – Online data entry system will allow direct entry of records onto. **142** 2 – Plant Conservation - the, is under-exploited **148** 87-88 – roadside survey analysis for *Lysimachia minima* **145** 14, 17 – used re possible rise and fall of *Bassia scoparia* **141** 41
- Databases, Species are under-exploited, Biodiversity Conservation - , **149** 82-83
- Date, Ms C. – report of death of **141** 75
- Datura stramonium* (v.c.35) **141** 62; (v.c.50) **148** 69
- Daucus carota* (v.c.20) **147** 7
- Davis, Heather & Peter Garner – retire as VCRs for Herefs. (v.c.36) (Biogs) **143** 57
- Davis, Mr J.R. – Report of death of **148** 80
- DAWSON, DAVE – Biodiversity Conservation - Species Databases are under-exploited **149** 82-83
- Day, Graham (VCR-H38) – has new address **147** 55
- Day, Henry – website on shoddy industry **147** 51
- Day, John – *Utricularia* referee has new address **141** 79
- Dean, Mary – 1st England Field Meetings Secretary **143** 3
- Deepdale Wood (v.c.66), Flora of, by John Durkin, described online **147** 59
- DEFRA funded, Countryside Survey [CS] **142** 7
- Dehnen-Schmutz, Katharina – BSBI survey on invasive non-native plants with vice-county recorders (2019) **142** 5
- Delairea odorata* – pseudostipules (Illus) **144** 29
- DENHOLM, IAN – Trevor John James (1947-2020) (Obit.) (Photo) **148** 75-77

- Rev. of *Field Guide to the Orchids of Europe and the Mediterranean* (by Rolf Kuhn, Henrik Pedersen & Phillip Cribb) **143** 70-71
- Denholm, Ian – Orchidaceae referee has new address **142** 80
- Thanked for his role as Chair of the Board of Trustees **141** 78
- VCR for Herts (v.c.20) has new address **142** 76
- DENHOLM, IAN, & LOUISE MARSH – British & Irish Botany **143** 4; 2:1 Published **144** 65; 2:2 & 2:3 Published **145** 59; 2:4 Published **146** 50; 3:1 Published **147** 56; 3:2 **148** 61; 3:3 **149** 58-59; 3:4 & 4:1 **150** 75
- DENHOLM, IAN, & RICHARD LANSDOW – Is *Carex cespitosa*, really confined to a single location in Britain and Ireland? **150** 30-31
- Denmark Farm Conservation Trust nr Lampeter v.c.46 **148** 69
- Surveying at, nr Lampeter, v.c.46 (Photo) **148** 69
- Deschampsia* – splits to *Deschampsia*, *Aristavena* & *Avenella* in Stage 4 **141** 13
- DESJARDINES, STUART – Rev. of *Plant Names. A Guide to Botanical Nomenclature* (4th Edn) (by Roger Spencer & Rob Cross) **146** 81-82
- Devon, *New Flora of*, available online **147** 58
- Dianthus armeria* (v.c.8) **142** 34
- Dianthus deltoides* (v.c.49) **146** 64; (v.c.85) **145** 29
- Dianthus gallicus* (Descr.) **147** 12; (Photo) **147** 12, 13; (1st record mainland BI & v.c.11) **147** 3; (v.c.113(J)) **147** 13
- 11 associates in v.c.13 listed **147** 14
- newly recorded from mainland UK [v.c.11] [Photos] [Table] **147** 12-14
- Dianthus hyssopifolius* (Descr.) **147** 12
- Diapensia* revisited **141** 22-23
- Diapensia lapponica* (v.c.97) **144** 14
- ‘chequerboard theory’ discussed **141** 23
- ‘Norwegian Boots’ theory discussed - again **141** 22
- DIARY, BSBI, 2019-20 **141** 2; **142** 78
- Dichondra argentea* (Descr.) **149** 48
- Dichondra micrantha* (Descr.) (Photo) (1st record v.c.28) (v.c.1, 77, 86) **149** 48-49
- Dichondra repens* (Descr.) **149** 48
- Dichotomous key, A revised, to native and alien species of *Rosa* L. **150** 31-33
- Dickerson, Barry, with Peter Walker & Roger Orbell – *The Orchid Flora of Huntingdonshire and the Soke of Peterborough* (Rev.) **143** 71-72
- Difficult plant problem, The, [Photos] [Table] **149** 23-29
- Digitalis* × *fucata* (*D. purpurea* × *D. lutea*) – Garden novelty (v.c.25) **142** 48
- Digitalis purpurea* (v.c.57) **145** 27
- by Sylvia Davidson – entry for Photographic Competition, 2020, (Photo) **146** 86
- Inverasdale phone box by Duncan Donald (Native) (Photo) **149** 85
- Digitaria sanguinalis* (v.c.35) **141** 62
- An overlooked form of? **150** 71
- Digitaria sanguinalis* ssp. *pectiniformis* (Descr.) (?1st BI record v.c.14) **150** 71
- Diphasiastrum alpinum* (Photo) **149** 69; (Photo) (v.c.62) **149** 62, **150** 37; (v.c.H31) **142** 65; (v.c.H33) **150** 48
- Discovery of, in the North York Moors [v.c.62] after a 33-year gap [Photos] [Tables] **150** 37-39
- Diphasiastrum tristachyum* – added to Red Data List (2019-2020) **147** 27
- Diplostaxis erucoides* (v.c.14) **142** 41; (1st record v.c.27) (v.cc.53, 54) **142** 43; (1st record v.c.58) **143** 38
- Dipsacus fullonum* (v.c.64) **143** 39
- Dipsacus laciniatus* (v.c.12) **141** 43; (v.c.64) **143** 39
- Dipsacus pilosus* – River Avon near Bradford-on-Avon (v.c.8) **142** 36
- Direct Debit – competition Prize winners **141** 80
- details on how to sign up **149** 56
- Discovery of the Native Flora of Britain and Ireland, The*, [corrigenda & additions available] **149** 59
- Dittrichia graveolens* (1st & 2nd records v.c.58) **142** 44
- roadside habitat (v.c.15, 16) **146** 9
- Diversity, Exceptional, of strandline plants at Ainsdale-on-Sea, Merseyside [v.c.59] [Graphs] [Photos] [Tables] **149** 3-10
- DNA ‘barcodes’ described **145** 12
- Barcoding of *Cymbalaria* plants with unusual morphology **143** 19
- studies replacing herbarium-based morphology for generating higher classifications of plants **145** 5
- Donovan, Mrs P.M. – Report of death of **147** 72
- Dörken, V. M. & H. Nimsch – *Morphology and Identification of the World's Conifer Genera* (Rev.) **143** 73-74
- Dorycnium* – merged into *Lotus* in Stage 4 **141** 13
- Downey, Liz – joint winner of Alien category in Photographic Competition 2021: (*Erigeron glaucus* at Portland) **149** 57
- Downingia elegans* (Descr.) (v.cc.14, 32) **149** 52; (Photo) 1st Scottish record v.c.94) **149** 52, 53, (v.c.H39) **149** 52
- Dransfield, Dr J. – congratulated on 60 yrs membership **149** 55
- Dredging of canals – long-term assessment of effects of dredging on aquatic flora **143** 5
- Drift Seeds, Maritime – Declan Quigley now sole referee **141** 79
- John Edmondson retires as joint referee **141** 79
- Driven by Nature* by Peter H. Raven (Rev.) **148** 86
- DRORI, JONATHAN – Rev. of *Ash* (by Edward Parker) **150** 86-87
- Drori, Jonathan – *Around the World in 80 Trees* by, (Rev.) **146** 80
- Drosera anglica* (v.c.75) **144** 42; (v.c.H9) **148** 74; (Photo) (v.c.H33) **150** 47
- Drosera intermedia* (v.c.75) **144** 42; (v.c.H9) **148** 74; (v.c.H33) **150** 47
- Drosera rotundifolia* (v.c.H9) **148** 74; (v.c.H33) **150** 47
- Dryas octopetala* (v.c.104) **144** 14; (Photo) (v.c.108) **144** 14; (v.c.H33) **146** 68; **150** 48
- Drymochloa* – splits from *Festuca* in Stage 4 **141** 13
- Drymochloa sylvatica* (v.c.46) **145** 63; (v.c.96) **142** 59; (v.c.97) **145** 65, (v.c.H39) 66
- Dryopteris* (Descr.) **141** 36, 37; **150** 28
- Dryopteris aemula* (1st record v.c.63) (v.c.70) **146** 62; (v.c.111) **150** 29; (v.c.H33) **150** 49
- Dryopteris affinis* complex – taxonomy controversial & confusing **148** 4
- Dryopteris affinis* ssp. *affinis* (v.cc.69, 70) **146** 62
- Dryopteris affinis* ssp. *cambrensis* (v.c.50) **146** 65
- Dryopteris affinis* ssp. *kerryensis* (v.c.70) **141** 4
- added to Red Data List (2017-2018) **141** 3
- Dryopteris carthusiana* (Descr.) (Photo) (v.c.111) **150** 28, 29

- Dryopteris cluthensis* – added to Red Data List (2019-2020) **147 28**
- Dryopteris* × *deweveri* (*D. carthusiana* × *D. dilatata*) (Descr.) **150 28**; (v.c.41) **143 49**; (v.c.111) **150 28**
- Dryopteris dilatata* (Descr.) **150 29**
- Dryopteris expansa* (1st record v.c.45) **147 61**; (v.c.110) **146 38**
- Dryopteris filix-mas* (Male-fern) showing C-shaped indusia on underside of pinnales (Photo) **141 36**
- Dryopteris kerryensis* **141 4**
- Dryopteris lacunosa* – added to Red Data List (2019-2020) **147 28**
- Dryopteris pseudocomplexa* – threat status amended in Red Data List (2019-2020) **147 29**
- Dryopteris pseudodisjuncta* (Descr.) (v.cc.70, 72, 100) **148 3-4**
- 20 forms or morphotypes known **148 4**
 - Distribution in BI & Europe **148 4**
 - in England [Photos] **148 3-5**
 - Mid-frond pinnae of plant recently found [v.c.70] (Photo) **147 5**
 - Taxonomy **148 4**
 - threat status amended in Red Data List (2019-2020) **147 29**
- Dryopteris remota* (v.c.6, 99) **147 31**
- added to Red Data Waiting List (2019-2020) **147 31**
- Dryopteris robusta* – added to Red Data List (2019-2020) **147 28**
- Dryopteris submontana* (v.c.64) **143 55**
- Duffy, Oisín, & Mairead Crawford (VCRs **H34**) have a new address **147 55**
- Duistermaat, H. (Leni) – *Heukels' Flora van Nederland* (24th Edn) by, (Rev.) **145 79-80**
- Dunkeld - Blairgowrie Lochs an EU Special Area of Conservation **141 54**
- Dunn, Anita Jo, MBE (1920-2020) (Obit.) (Photo) **146 72-74**
- at 'her' *Stachys germanica* site, 1985 (Photo) **146 73**
 - Report of death of (Biog.) **145 75**
- Dunn, Professor G. – report of death of **141 75**
- Durkin, John – Flora of Deepdale Wood (v.c.66), described online **147 59**
- Early Naturalists in Lakeland, Natural Awakenings:** by Ian D. Hodkinson (Rev.) **144 83-84**
- East Greenland Central Fjord Region, A Flora of the,** by Geoffrey Halliday (Rev.) **142 71-72**
- EASTWOOD, PROFESSOR DAN, with SOPHIE HOCKING & DR DAN JONES – Out of sight, out of mind? *Ex-situ* germination of × *Reylopsia conollyana* in a South Wales invaded seed bank [Photos] **142 52-55**
- Eatherley, Dan – *Invasive Aliens: The plants and animals from over there that are over here* (Rev.) **142 74**
- Echinochloa crus-galli* (Photo) **148 64**; (v.c.6) **144 56**; (v.c.58) **141 45**; (1st record v.c.H2) **141 47**
- correlates with planted *Zea mays* (v.c.10) **148 27**
- Echium pininana* (v.c.H21) **141 54**
- Echium vulgare* by Mary Breeds – entry for Photographic Competition, 2020, (Photo) **146 86**
- Eclipta prostrata* – 'Plant container alien' (v.c.10) **141 42**
- Ecology and Natural History** by David M. Wilkinson (Rev.) **149 77-78**
- Eden, Dr S.M. (Obit) **142 69**
- report of death of **141 75**
- Editor *BSBI News* – Andrew Branson retires **142 2**
- John Norton takes over **142 2**
- EDITORIAL **142 2**; **143 2**; **144 2**; **145 2**; **146 2**; **147 2**; **148 2**; **149 2**; **150 2**
- Editorial – long articles & those concerning taxonomic name changes should be submitted to *British & Irish Botany* **145 2**
- EDMONDSON, JOHN – Rev. of *A field guide to the woodland and scrub of the Ballyhoura mountains* [Co. Limerick] (by R. Lynch) (Rev.) **141 77**
- Rev. of *A naturalist's guide to the wild flowers of Britain and Northern Europe* 2nd Edn (by Andrew Cleave) **141 77**
 - Rev. of *Canals, plants and people: a Yorkshire perspective* (Photo) **141 77**
- Edmondson, John – Retires as Book Reviews editor and thanked for all his hard work **141 77**
- retires as joint referee for Maritime Drift Seeds **141 79**
- EDWARDS, BRYAN, PEARMAN, DAVID, with contributions from IAN BENNALLICK &, The impact of native and alien 'thugs' in semi-natural habitats [Photos] **142 6-11**
- Eelgrasses [*Zostera*] in Somerset **141 24**
- sometimes called seagrasses **141 25**
- Ehrharta erecta* (Descr.) (1st record v.c.17) **148 40**; (Photo) (1st record v.c.21) **148 40**; (v.cc. 25, H21, 113) **148 40**
- Elatine hexandra* (v.c.49) **146 64**; (v.c.H33) **150 46**
- Elatine hydropiper* (v.c.50) **146 65**
- Eleocharis parvula* – Associates listed **141 27**
- Christchurch Harbour (v.c.11) **141 28**
 - excellent set of photographs on Jeremy Roberts' website **141 28**
 - Habitat of, in v.c.106 [Photos, Table] **141 26-29**
 - need seasonally fluctuating water levels **148 31**
 - UK distribution & habitats **141 26**
- Eleocharis uniglumis* (v.c.6) **149 60**
- Eleogiton fluitans* (v.c.35) **145 62**; (v.c.87) **147 62**; (v.c.H1) **141 47**
- Ellenberg and CSR scores for pavement weeds in v.c.9 (Table) **141 30**
- Ellenberg values – for nitrogen (fertility) (Table 2) **147 24**
- for reaction (pH) (Table 1) **147 24**
- ELLIS, GWYNN – *BSBI News* Index and List of Members **145 58**
- From the Membership Secretary **143 3**; **146 58**; **150 73**
 - Membership **149 55**
 - Membership and Payments **145 3**
- Ellison, Mr P.J. – congratulated on 60 yrs membership **149 55**
- Elm recording - a window of opportunity [Photos] **148 23-24**
- Elm species?, What are British, **150 22-23**
- Elms, Identifying British* (62 taxa), by Brian Eversham available online (Rev.) **150 22**
- Elodea canadensis* (v.c.63) **143 6, 8, 11**
- Elodea nuttallii* (v.c.63) **143 6, 8, 9, 10, 11**; (v.c.H33) **150 45**
- Elymus* – includes *Elytrigia* in Stace 4 **141 13**
- Elymus campestris* – Moved from Red Data Main to Waiting List (2019-2020) **147 34**
- Elytrigia* – merged into *Elymus* in Stace 4 **141 13**
- Empetrum nigrum* (v.cc.H5, H8, H13) **146 68**
- 2 sites in v.c.27 in 1960s both now destroyed **146 84**
 - sample image for AI id. (Photos) **144 35**
- England Committee **143 3-4**

- England, Country Roundups (Photo) **141** 58-59; (Photos) **142** 56-58; (Photos) **143** 46-48; **144** 71-72; **145** 60-62; (Photos) **146** 61-63; (Photos) **147** 58-59; (Photos) **148** 65-67; (Photos) **149** 60-62
 – Winter finds **141** 58
- England, *Hawkweeds of South-East*, by Mike Shaw (Rev.) **145** 76
- English Botanical News* – 1st issue published in May 2020 **145** 57
- English Committee – to support Pete Stroh, as England Officer **142** 2
- English, Wendy, Dave Barlow & Alan Ritson at Danby Beacon observing *Diphasiastrum alpinum* amongst cut heath (Photo) **150** 38
- Epilobium* – Common problems with identification in, [Illus., Photos] **144** 5-13
 – visual keys aid interpretation of standard keys **144** 5
 – Visual Key (Illus.) (Key) **144** 6-8
- Epilobium brachycarpum* (Descr.) (Norfolk) **145** 5; (1st & 2nd records v.c.27) **142** 43, **143** 37
- Epilobium brunnescens* (v.c.87) **142** 46; (v.c.104) **143** 40; (v.c.110) **142** 46
- Epilobium ciliatum* (Descr.) **144** 10, 11, 12, 13), (Illus.) **144** 7; (v.c.27) **146** 11; (v.c.58) **147** 24
- Epilobium ciliatum* × *E. parviflorum* (Descr.) **144** 13
- Epilobium ciliatum* × *E. tetragonum* (Descr.) **144** 13
- Epilobium hirsutum* (Descr.) **144** 6, 9, 10, 11, (Illus.) **144** 6
- Epilobium* × *interjectum* (*E. ciliatum* × *E. montanum*) (v.c.58) **147** 24
- Epilobium lanceolatum* (Descr.) **144** 6, 10, (Illus.) **144** 6; (v.c.41) **141** 62
- Epilobium* × *limosum* (*E. montanum* × *E. parviflorum*) (v.c.91) **146** 66
- Epilobium montanum* (Descr.) **144** 6, 9, 10, 11, (Illus.) **144** 6
 – by Alison Davies winner: Native category in Photographic Competition, 2020, (Photo) **146** 86
- Epilobium obscurum* (Descr.) **144** 8, 9, 10, 11, 12, 13, (Illus.) **144** 8
- Epilobium palustre* (Descr.) **144** 8, 11, (Illus.) **144** 8; (Photo) **144** 5
- Epilobium parviflorum* (Descr.) **144** 6, 9, 10, 11, 13, (Illus.) **144** 6
- Epilobium parviflorum* × *E. tetragonum* (Descr.) **144** 13
- Epilobium pedunculare* (1st record v.c.110) **141** 60; (Photo) **142** 46; (1st record v.c.H5) **143** 53
- Epilobium roseum* (Descr.) **144** 7, 10, 11, 12, 13, (Illus.) **144** 7; (v.c.41) **143** 49
- Epilobium tetragonum* (Descr.) **144** 9, 10, 11, 12, 13; (Photo) **144** 9; (v.c.41) **143** 49
- Epilobium tetragonum* subsp. *lamyi* (Descr.) (Illus.) **144** 8
- Epilobium tetragonum* subsp. *tetragonum* (Descr.) (Illus.) **144** 8
- Epipactis*, Rare form of, likely to be *E. helleborine*, lacking chlorophyll in the leaves, (v.c. 47) (Photo) **145** [i]
 – puzzling, in ‘narrow-lipped’ species-complex, (v.c.85) **146** 67
- Epipactis atrorubens* (v.c.49) **148** 70; (v.c.66) **148** 66
 – world distribution & habitats **143** 29
- Epipactis atrorubens* var. *bicolor* (Descr.) **143** 29, (Diagnosis) **143** 30, (v.c.49, 57) 30; (v.c.60, 69) 29
 – new variety from northern England [Photos] **143** 29-30
- Epipactis atrorubens* f. *pallens* (Descr.) (v.c.69) **143** 29
- Epipactis atrorubens* var. f. *atrorubens* (Descr.) (v.c.69) **143** 29
- Epipactis dunensis* (v.c.52) **142** 62; (1st Ireland Record, v.c.H21) (Photo) **142** 65
- Epipactis helleborine* (achlorotic form) (v.c.48) **145** 63
- Epipactis helleborine* (v.c.10) **149** 62; (v.c.49) **145** 63, **146** 64, **148** 70; (v.c.81) **144** 22
- Epipactis leptochila* (v.c.41(E)) **145** 62
- Epipactis palustris* (v.c.35, 42) **145** 62; (v.c.102) **144** 73; (v.c.H33) **150** 46; (v.c.113J) **145** 61
- Epipactis phyllanthes* (v.c.48) **148** 69; (Photo) (1st record v.c.H37) **146** 68
- Epipactis purpurata* Savernake Forest (v.c.7) (Photo) **142** 37
- Epipactis sancta* – on MSB wanted list (endemic) **142** 15
- Epipogium aphyllum* – disjunct distribution in BI **148** 25
- Equations – Apparent Change, Average Apparent Change & Relative Apparent Change **150** 60
- Equisetum arvense* – native colonizer of railway ballast in Scottish Borders **142** 17
- Equisetum fluviatile* (v.c.63) **143** 7, 8; (v.c.H22) **144** 17
- Equisetum* × *font-queri* (*E. palustre* × *E. telmateia*) (v.c.11) **148** 67
- Equisetum hyemale* (v.c.42) **141** 62; (v.c.75) **144** 43; (Photo) (v.c.H11) **147** 63
- Equisetum* × *littorale* (v.c.49) **143** 50; (v.c.91) **146** 66
- Equisetum* × *moorei* – recorded in Ireland in absence of one of the parents **144** 18
- Equisetum pratense* (v.c.H33) **150** 49
- Equisetum ramosissimum* – once recorded from Hounslow Heath (v.c.21), now lost **145** 37
- Equisetum sylvaticum* (v.c.49) **145** 63
- Equisetum* × *trachyodon* (v.c.H33) **150** 46
- Equisetum variegatum* (1st record v.c.32) **142** 57; (v.c.64, 66) **142** 57; (v.c.110) **146** 36; (v.c.H33) **150** 46
- Eradication of *Impatiens glandulifera*? **143** 78-79
 – a personal view [Photo] **141** 54-46; **142** 79
- Eragrostis curvula* (Descr.) **143** 36; (v.c.14) **144** 51; (v.c.15) **143** 36
- Eremopoa persica* (Descr.) (v.c.27) **148** 47; (v.c.34, 79, 83) **148** 49
 – re-found in Britain after a 60-year absence [v.c.27] [Illus] [Photos] [Table] **148** 47-50
- Erica lusitanica* (v.c.H38) **148** 74
- Ericaceae – Notable family without stipules **144** 30
- Erigeron* (incl. *Conyza*) – Martin Rand to referee whole genus **141** 79
 – includes *Conyza* in Stace 4 **141** 13
- Erigeron acris* (v.c.81) recent colonist **144** 22
- Erigeron annuus* (Photo) **149** 47; (1st record v.c.14) **146** 44, **149** 47; (v.c.17) **149** 47
- Erigeron annuus* ssp. *strigosus* (v.c.17) **146** 44
- Erigeron canadensis* (v.c.85) **145** 64
- Erigeron floribundus* (v.c.27) **150** 54; (v.c.41) 67; (v.c.58) **147** 23
- Erigeron glaucus* (v.c.58) **147** 24
 – Portland by Liz Downey, joint winner in the Alien category (Photo) **149** 84
- Erigeron sumatrensis* (v.c.27) **147** 44, **150** 54(v.c.58) **147** 23
- Eriocaulon aquaticum* – Corraun, Mayo (Photo) **149** 85
 – in Scotland in 2018; [MSB] Project co-ordinator Stephanie Miles collecting, (Photo) **142** 14
- Eriophorum latifolium* (v.c.35) **143** 49; (v.c.42) **145** 62
- Erodium manescavii* (Descr.) (Photo) (v.c.28) **150** 54

Erodium maritimum (v.c.35) **141** 61, **143** 49
– sample image for AI id. (Photos) **144** 35
Erodium moschatum (v.c.28) **150** 54; (v.c.50) **146** 65
Erodium trifolium (1st record v.c. 14) (v.c.15) **142** 41
ErUCA vesicaria (v.c.12) **144** 50
ErUCAstrum abyssinicum (Descr.) (Photo) (1st record v.c.21) **144** 52
– Niger bird-seed alien **144** 50
ErUCAstrum gallicum (Descr.) (v.c.57) **145** 47
Ervilla – splits from *Vicia* in Stage 4 **141** 12
Ervilla sylvatica by Jake Dalzell – entry for Photographic Competition, 2020, (Photo) **146** 86
– woodland (v.c.7/8) **142** 37
Eryngium agavifolium (Descr.) (1st Scottish record v.c.83) **144** 55
Eryngium bourgatii (Descr.) (1st record v.c.6) (v.c.7, **14**) **145** 42; (v.c.16) **145** 46; (1st records v.c.29) **145** 46; (v.c.107) **145** 48
Eryngium paniculatum (Descr.) **147** 44; (1st record v.c.6; **14**) **150** 51; (v.c.29) **147** 44
Eryngium variifolium, Weston-super-Mare, (v.c.6) (Photo) **150** 40
Erysimum cheiranthoides (v.c.57) **145** 47
Erysimum × *marshallii* (Descr.) (Photo) (v.c.63) **150** 55
Erythronium americanum (Descr.) (1st record for BI v.c.92) **144** 55
ETHERINGTON, JULIE – BSBI Prize-winners [Photo] **141** 80
– Direct Debit **149** 56
– Paperless Direct Debit **145** 3
Etherington, Julie – running half marathon to raise money for BSBI's Hardship Fund **150** 74
Eucalyptus gunnii (Descr.) (1st record self-sown v.c.6) **150** 50
Eucalyptus cf. *gunnii* (v.c.58) **147** 23
Eupatorium cannabinum (1st recent record v.c.108) **143** 51
Euphorbia coralloides (Descr.) (v.c.2) **146** 41; (Photo) (v.c.12) **146** 42; (v.c.13) **146** 41
Euphorbia dulcis 'Chameleon' (v.c.63) **145** 47
Euphorbia exigua (Cornwall) **141** 58; (v.c.35) **149** 62; (v.c.55) **142** 58; (v.c.H14) **148** 73
Euphorbia maculata (1st records v.c.113(G)) **150** 57
Euphorbia oblongata – NWDC (v.c.27) **147** 48, (Photo) **147** 49
Euphorbia palustris (Descr.) (Photo) **142** 47; (v.c.14, **16**, **17**, **18**, **20**, **21**, **22**) **142** 46; (v.c.55) **142** 47; (1st record v.c.62) **141** 45, **142** 47; (v.c.69, **107**, **H6**) **142** 47
– cultivated plants not as glabrous as native? **142** 47
– in v.c.14 and beyond [Photo] **142** 46-48
Euphorbia paralias (v.c.1) **150** 68; (v.c.9) **143** 45; (v.c.11) **147** 3; (v.c.54, **62**) **143** 47
Euphorbia peplis – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
Euphorbia prostrata (Descr.) **143** 35, 37; (1st records v.c.13, **27**) **143** 37
Euphorbia serpens (Descr.) (Photo) (v.c.11) **146** 42
– Interpetiolar stipules **144** 28
Euphorbia sikkimensis (Descr.) (v.c.21) **148** 44, (Photo) (v.c.104) **148** 44
Euphorbia stricta (v.c.35) **146** 63; (v.c.67) **147** 47; (1st record (v.c.68) **147** 47
Euphorbiaceae – stipules present or absent **144** 30
Euphrasia spp. – threat status amended in Red Data List (2019-2020) (Table: 17 taxa listed) **147** 29, 32
Euphrasia pseudokernerii – Salisbury Plain (v.c.8) **142** 34
Euphrasia scottica (v.c.4) **147** 58

Europe and the Mediterranean, Field Guide to the Orchids of, by Rolf Kuhn, Henrik Pedersen & Phillip Cribb (Rev.) **143** 70-71
European Red List of Habitats – seagrass meadows **141** 26
Eurybia – splits from *Aster* in Stage 4 **141** 12
Evans, Dr P.K. – Report of death of **148** 80
EVANS, IAN M. – Joseph Kenneth Butler, (1939-2017), (Obit.) (Photo) **141** 64-66
Events **145** 57
Events & Communications Committee (E&C) **144** 67
Eversham, Brian – *Identifying British Elms* (62 taxa) available online (Rev.) **150** 22
– located 48 of 62 'species' of *Ulmus* **144** 33
– short survey of elms in the British Isles and improved key available by email **144** 33
EVERSHAM, BRIAN, & EDWARD PRATT – Recording elms (*Ulmus* spp.) in Britain and Ireland **144** 33
Exhibition Meeting, BSBI Diary and, [2019-2020] **141** 2
Exploration of orchid records in the BSBI database in four regions of the British Isles [Graphs] [Photos] [Tables] **149** 16-22
Extraordinary Story of the Apple, The, by Barrie E. Juniper & David J. Mabberley (Rev.) **143** 74-75
Fabaceae – Notable family with stipules **144** 30
– *Tetragonolobus* & *Dorycnium* merged into *Lotus* in Stage 4 **141** 13
– *Vicia* splits into *Vicia*, *Ervilla* and *Ervum* in Stage 4 **141** 12
Fagaceae – Notable family with stipules **144** 30
Fagus sylvatica (v.c.64) **141** 51
Fallopia – splits to *Fallopia* and *Reynoutria* in Stage 4 **141** 12
Fallopia baldschuanica × *Reynoutria japonica* (× *Reyllophia conollyana*) **142** 54
Fallopia dumetorum (Kent) **146** 61
Fallopia [Reynoutria] japonica – locally abundant in CS sampling plots **142** 7
– one of Plant Alert top 10 recorded species in 2020 **144** 64
Families – Notable, with & without stipules (Table) **144** 30
– workshop, Plant, at Rhayader [v.c.43] (Photo) **143** 48
FARRELL, LYNNE – From the President **143** 2; **145** 2; **146** 2; **147** 2; **148** 2; **149** 2; **150** 2
Farrell, Lynne, – BSBI President & Paul Gladding on the New Year Plant Hunt 2020 (Photo) **144** 85
– to take over Presidency in 2019 **142** 2
FARRELL, LYNNE, CHRIS MILES & JANE HOULDSWORTH – BSBI's Future – Where we are going and how we will get there **145** 4
FARRELL, LYNNE, TOM HUMPHREY & KEVIN WALKER – Members' Access to the BSBI's Distribution Database **147** 54
FAULKNER, JOHN – More on metrication **146** 83-84
Faulkner, John – at home in Armagh (Photo) **141** 80
– congratulated on receipt of a British Empire Medal in the 2019 New Year's Honours list (Biog.) **141** 80
FEATURE ARTICLES **141** 3-18; **142** 3-11
Fern Albums and Related Material by Michael Hayward & Martin Rickard (Rev.) **145** 80-81
Fern Guide by James Merryweather very approachable book for beginners, with excellent illustrations **141** 37

- Ferns, Britain's*. A Field-guide to the Clubmosses, Quillworts, Horesetails and Ferns of Britain and Ireland by James Merryweather (Rev) **146 77**
- Ferns – Counting pinnae (Descr.) (Illus.) **141 37**
- craze of the 1840s stimulated by the invention of the ‘Wardian Case’ **148 29**
 - How to speak, – Beginner's Corner [Illus., Photos] **141 36-37**
- Ferreira, Robert Edwin Christopher (Chris) (1931-2019) (Obit.) (Photos) **144 75-76**
- Festuca* – splits further to *Festuca* & *Drymochloa* in Stace 4 **141 13**
- Festuca brevipila* R. Tracey – correct name is *F. trachyphylla* in *New Flora* **142 32**
- Festuca heterophylla* (v.c.82) **142 59**
- Festuca ovina* (v.c.59) **142 23**
- Festuca rubra* ssp. *megastachys* (v.c.14, 27) **143 35**
- Festuca trachyphylla* (Hack.) R.P. Murray – is correct name of *F. brevipila* R. Tracey in *New Flora* **142 32**
- Ficaria verna* (v.c.110) **142 60**
- Leaf phenology survey (v.c.80) **148 6**
- Ficaria verna* ssp. *verna* (Descr.) (v.c.80) **148 7**
- Phenology of, (Graph) **148 7**
- Field Guide to the Orchids of Europe and the Mediterranean* by Rolf Kuhn, Henrik Pedersen & Phillip Cribb (Rev.) **143 70-71**
- Field guide to the woodland and scrub of the Ballyhoura mountains* [v.c.H8] by R. Lynch (Rev.) **141 77**
- Field guides – What, should I buy?, Beginner's Corner: [bk cover photos] **145 39-41**
- Field Meetings 2020 **143 4**
- all meetings cancelled due to Covid restrictions **145 4**
 - links on the field meetings web page **143 4**
- Field Meetings 2021 **146 58**
- Covid forced changes flagged on website **146 58; 147 54**
 - Some meetings planned for 2020 will be held in 2021, Covid permitting **145 4**
 - some meetings took place **148 59**
- Field Meetings 2022 **149 56-57**
- changes on website **149 57**
- Field Meetings and Indoor Events web page **144 68**
- BSBI Guidance for participants at, updated **147 54**
 - Extra, see BSBI Website **141 78**
- Field Meetings Secretary, From the Hon. **141 78-79; 142 76**
- Fieldwork, Planning, targeting vanishing habitats [Map] [Photos] **148 25-31**
- Filago* – splits to *Filago* and *Logfia* in Stace 4 **141 12**
- Filago gallica* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141 5**
- Filago germanica* (v.c.12) **148 67; (v.c.52) 146 65**
- Filago minima* – rediscovered on Hounslow Heath (v.c.21) **145 37**
- Filago pyramidata* (Photos) **142 34; 148 29; (v.c.10) 148 27**
- Filipendula* – stipules different on basal & stem lvs **144 30**
- seeds survive ingestion by cattle **145 19**
- Filipendula vulgaris* (Photo) **148 35; (v.c.8) 150 65**
- dry calcareous grassland indicator species **148 35**
 - important for Dropwort Pigmy Moth **148 35**
- Finance Manager Fundraising for BSBI's Hardship Fund **150 74**
- First year as a BSBI member, My, [Photos] **144 14-15**
- FITZGERALD, ALEXIS – *Pilea microphylla*, an under-recorded neophyte of 'tropical' environments in Ireland and Britain? [Photos, Table] **144 58-59**
- Recording 'tropical' adventives in Britain and Ireland – a possible solution? **146 56-57**
 - *Senecio minimus* becoming naturalised in Killiney / Dalkey, south Co. Dublin [Photos] **141 52-54**
- FITZGERALD, RO – An intertidal adventure [Photos] **141 23-26**
- FITZGERALD, RO, & JEANNE WEBB – Robert Desmond Meikle, OBE, LLB (1923-2021) (Obit) (Photo) **149 72-75**
- Fitzgerald, Rosaleen – correction to email address of Rosaleen Fitzgerald VCR for v.c.H7 **149 58**
- new email address for VCR for v.c.H7 **148 61**
- Flora Group [v.c.47] at Llyn Ebryr (Photo) **141 35**
- Flora Iberica. Plantas Vasculares de la Peninsula Iberica e Islas Baleares, Volume XIX (2), Gramineae (partim)* (by S. Castroviejo; C. Romero Zarco *et al.* (eds of this volume) (Rev.) **150 87-88**
- Flora Incognita – Comments on Smartphones and tablets id app.; screenshot (Photo) **144 38-39**
- Flora Neerlandica Nova, Lycopodiopsida & Polypodiopsida* (by R. Haveman *et al.* (eds)) (Rev.) **150 85**
- Flora, New, of the British Isles* (Stace, 2019) *see p.37*
- Flora of Cambridgeshire* by Alan Leslie (Rev.) **144 78-79**
- Flora of Cornwall* by Colin French (Rev.) **146 77-78**
- Flora of Great Britain & Ireland* Vol. 1 – 62 species of *Ulmus* described **144 33**
- Flora of Moray (v.c.95) in preparation **147 62**
- Flora of Oxfordshire* (1998) digitised for Internet **147 59**
- Flora of Roxburghshire (v.c.80) in preparation **147 62**
- Flora of Selkirkshire (v.c.79) in preparation **147 62**
- Flora of Sutton Park National Nature Reserve*, A new, [Details] **149 59**
- Flora of the East Greenland Central Fjord Region* by Geoffrey Halliday (Rev.) **142 71-72**
- Flora of the Mediterranean* with California, Chile, Australia & South Africa - An Illustrated Guide by Christopher Gardner and Başak Gardner (Rev.) **144 80**
- Flora of Wirral garden [v.c.58] [Photos] [Tables] **150 10-17**
- Flora van Nederland, Heukels', (24th Edn)* by H. (Leni) Duistermaat (Rev.) **145 79-80**
- Floras in the pipeline (Scotland) **141 60**
- FLORES, ANITA with JOHN WATSON – ×*Glebiantemum*, a new intergeneric hybrid [Photo] **141 56-57**
- Flowers of the Field: A Secret History of Meadow, Moor and Wood* by Steve Nicholls (Rev.) **145 77**
- Foley, Dr M.J.Y. – Report of death of **150 84**
- Folk Flora, Vickery's: An A-Z of the Folklore and Uses of British and Irish Plants* by Roy Vickery (Rev.) **143 72-73**
- Folklore (Traditional knowledge) could help enthuse the public about plants **143 76**
- useful discussion with examples **143 76-77**
- Foraging Pocket Guide* (by Marlow Renton & Eric Biggane) (Rev.) **148 81**
- Forensic Botanist, *Murder Most Florid: Inside the Mind of a*, by Mark A. Spencer (Rev.) **145 78-79**
- Fossils, Introduction to Plant, (2nd Edn)* by Christopher J. Cleal & Barry A. Thomas (Rev.) **144 84**
- Foulden Braes (v.c.81) (Photos) **145 30**

- FOULKES, GILL, with KATE THORNE – Introducing my Vice County; Montgomeryshire v.c.47: Recorders [Photos] **141** 31-35
- Framework and Guidelines for Implementing the Proposed IUCN Environmental Impact Classification for Alien Taxa*, known as ‘EICAT’ **142** 4
- France, *Vegetation du Nord de la.*; *Guide de Détermination* (by Emmanuel Catteau, Julien Buchet and ten others) (Rev.) **149** 77
- Frankenia laevis* (v.c.41) **150** 67
- Fraxinus* – Ash, by Edward Parker (Rev.) **150** 86-87
- Fraxinus excelsior* (v.c.58) **147** 23; (v.c.64) **141** 51
– infested by *Viscum album* in v.c.24 **141** 20
- FREEMAN, ALYSON – Robert Wilson (1943-2018) (Obit.) **141** 74-75
- French, Colin – *A Flora of Cornwall* by, (Rev.) **146** 77-78
- Freshfield Dune Heath [v.c.59] firebreak habitat of *Scleranthus annuus* (Photo) **152** 24
– new site for *Scleranthus annuus* **142** 24
- Fritillaria meleagris* (v.c.7) **142** 36
– fruit capsules, species removed from Red List as not native in Britain (Photo) **141** 6
– moved to Parking List in Red Data List (2017-2018) **141** 6
- FROM THE PRESIDENT **142** 2; **143** 2; **144** 2; **145** 2; **147** 2; **148** 2; **149** 2; **150** 2
- Fuchsia magellanica* – stipules occasionally fused and interpetiolar **144** 28
- Fumaria bastardii* (v.c.44) **145** 63
- Fumaria capreolata* (Descr.) **149** 38
- Fumaria capreolata* subsp. *capreolata* – recent and gradually increasing colonist (Photo) **145** 34; (v.c.21) **145** 36
- Fumaria densiflora* (v.c.H11, H21) **147** 63
- Fumaria purpurea* (v.c.50) **142** 63
- Fumaria reuteri* (Descr.) (v.c.11) **149** 38; (Photos) **149** 39
- Fundraising Manager, New BSBI, [Sarah Woods] **147** 64
- Gagea bohemica** (v.c.43) **141** 58, (Photo) 61; **144** 72
- Gagea lutea* (v.c.75) **144** 43; (v.c.80, 88) **148** 70
- Gaillardia* × *grandiflora* (v.c.15) (1st record v.c.27) **148** 41
- Galactites tomentosus* (v.c.9) **145** 43; (v.c.15) **149** 48
- Galanthus nivalis* (v.c.64) **141** 51
- Galatella* – splits from *Aster* in Stace 4 **141** 12
- Galega officinalis* (v.c.27) **147** 49; (1st record v.c. 85) **145** 64
- Galeopsis angustifolia* – Salisbury Plain (v.c.8) **142** 35
- Galeopsis bifida* (v.c.42) **142** 62
- Galeopsis segetum* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Galinsoga quadriradiata* (v.c.35) **144** 72
- Galium* spp. – stipules impossible to distinguish from true leaves **144** 30
- Galium album* (1st record H34) **149** 69
- Galium aparine* (v.c.58) **147** 24
– very resilient arable weed **148** 25
- Galium boreale* (v.c.48) **142** 63; (v.c.49) **146** 64
- Galium murale* (Descr.) **142** 58; (Photos) (v.c.11) **148** 38; (1st record v.c.27) **141** 44; (1st record v.c.57) **142** 58
- Galium palustre* ssp. *elongatum* (v.c.10) **148** 25
- Galium pumilum* (v.c.8) **142** 34; (v.c.17) **142** 58
- Galium verum* (v.c.H33) **150** 48
- Galtia candidans* – 1st British Record (Descr.) (v.c.25) **141** 45
- Gambles, Ian – *British Forests: The Forestry Commission 1919-2019* Ed by, (Rev.) **144** 80-81
- Gamochaeta* – splits from *Gnaphalium* in Stace 4 **141** 12
- Garden flora – overview **150** 10
- Garden habitats **150** 15-16
– Species characteristic of, (Table 3) **150** 16
- Garden Novelty [Photo] **142** 48-49
– *Digitalis purpurea* × *D. lutea* (*D.* × *fucata*) (v.c.25) **142** 48
– *Primula elatior* × *P. veris* × *P. vulgaris* (*P.* × *murbeckii*) (Descr.) (v.c.25) **142** 48
- Garden plants likely to become invasive (Exbt 2019) **143** 56
- Garden weeds, Most common, (Table) **150** 16
- Garden Wildflower Hunt – BSBI, website address **144** 2
– recording app launched **145** 57
- Gardner, Christopher and Başak – *Flora of the Mediterranean* with California, Chile, Australia & South Africa - An Illustrated Guide by, (Rev.) **144** 80
- Garlic, A hairy, in January, but which one? (Photo) **145** 52
- Garner, Peter & Heather Davis – retire as VCRs for Herefs. (v.c.36) (Biogs) **143** 57
- Garner, Peter, with Les Smith, & Mark Jannick – *The Rare Plants of Herefordshire* (Rev.) **143** 69-70
- GARNETT, ROBIN, PHIL COLLIER, & MARTIN RAND – *Dianthus gallicus* newly recorded from mainland UK [v.c.11] [Photos] [Table] **147** 12-14
- Garrett, Heather – appointed as joint VCR with Jo Clark for v.c.48 (Biog.) **150** 76
- Gastridium ventricosum* (v.c.35) **145** 46
- GATER, STEVE – 2020 BSBI Annual General Meeting **145** 3
– 2021 BSBI Annual General Meeting **148** 59
– Long-standing Members **149** 55
- Gater, Steve – welcomed as Company Secretary
- GB Non-Native Species – Information Portal (GB NNSIP) **142** 3; Secretariat (NNSS) **142** 3
- Genista anglica* (v.c.17) **145** 60; (v.c.70) **146** 62
- Genista hispanica* ssp. *occidentalis* (Descr.) (v.c.9) **143** 34
- Genista tinctoria* (v.c.8) **150** 65; (v.c.35) (Photo) **148** 68; (v.c.65) **146** 63
- Gent, Gillian Margaret, (1927-2018). (Obit.) (Photo) **141** 67-68
- Gentiana pneumonanthe* (v.c.52) **143** 50; (v.c.62) **148** 67
- Gentiana verna* (v.c.65) **144** 45
– decreased by 45% in Upper Teesdale **144** 47
- Gentianella amarella* (v.c.8) **150** 65; (v.c.H14) **148** 73; (v.c.H33) **150** 48
- Gentianella amarella* ssp. *anglica* added to [Red Data] Main List (2019-2020) after 15 years languishing on Waiting List (Photo) **147** 28
- Gentianella amarella* ssp. *occidentalis* – added to Red Data List (2019-2020) **147** 28
- Gentianella campestris* (v.c.64) **144** 15; (v.c.75) **144** 43; (v.c.H3) **143** 52, (Photo) 53; (v.c.H33) **150** 48
- Gentianopsis ciliata* (v.c.24) **149** 60
– seed collected for Millennium Seed Bank **149** 60
- Gentians of Britain and Ireland* by Tim Rich & Andy McVeigh (Rev.) **143** 68-69
- George, Dr D.M. – Report of death of **148** 80
- Geraniaceae – Notable family with stipules **144** 30
- Geranium columbinum* (v.c.44) **142** 62; (? only extant site v.c.85) **148** 71
- Geranium lucidum* (v.c.48) **148** 69

- Geranium* × *oxonianum* f. *thurstonianum* (Descr.) (v.c.59) **148** 41, 42
- Geranium palmatum* (Descr.) (Photo) (v.cc.1, 5, 21, 27, 33, 83, H6) **150** 53
- Geranium pratense* flowers (Photo) **141** 39
– possible archaeophyte in Scotland **142** 17
- Geranium purpureum* – sample image for AI id. (Photos) **144** 35
- Geranium pyrenaicum* (v.c.58) **147** 23
- Geranium rotundifolium* (v.c.21) recent increase in numbers **145** 36
- Geranium yeoi* (v.c.6) **144** 50
- Geum* – stipules different on basal & stem lvs **144** 30
- Geum quellyon* (v.c.27) **147** 48
- Geum rivale* (v.c.48) **148** 69
– Phenology of, & *Stellaria holostea* **148** 9
- GIBBONS, BOB – Photographing Wild Flowers: Part 2 [Photos] **141** 38-40
- Gillings, Mr C.I. – Report of death of **142** 68
- Gladding, Paul & BSBI President Lynne Farrell on the New Year Plant Hunt 2020 (Photo) **144** 85
- Gladiolus communis* ssp. *byzantinus* (v.c.1b) **148** 41
- Glaucium flavum* – Ramsheugh Bay SSSI (v.c.81) **145** 29, (Photo) 30
- Glaux* – merged into *Lysimachia* in Stace 4 **141** 13
- Glaux maritima* – dominant on a six-halophyte road verge in South Northumberland [v.c.67] [Photo] **149** 29-30
– Isle of Tiree by Pauline Wood (Native) (Photo) **149** 85
- × *Glebianthemum* – new intergeneric hybrid [Photo] **141** 56-57
- × *Glebianthemum valiniaum* (*Argyranthemum frutescens* × *Glebionis coronaria*) – new intergeneric hybrid (Photo) **141** 57
- Glebionis coronaria* – naturalised in UK **141** 57
– weed in Chile; cultivated in UK **141** 57
- Glebionis segetum* (v.c.10) (Photo) **148** 25, 27; (v.c.110) **146** 36
- Glen Catacol, Arran (v.c.100) – 3 endemic *Sorbus* microspecies **146** 15, 67
– 5 taxa involved in complex hybridisation producing 3 endemic *Sorbus* taxa on show **146** 15, 67
- Glenshee Ski Centre – rich source of unusual *Alchemilla* plants **142** 27
- Global warming trends and effect on our flora **143** 34
- GLORIA pan-European project **144** 68
- Glossary, Illustrated Plant*, (by Enid Mayfield) (Rev.) **150** 88
- Glyceria canadensis* (Descr.) (v.c.99) **146** 49
- Glyceria grandis* (Descr.) (Photo) (v.c.17, 63) **146** 48, 49
– in Surrey [v.c.17] [Photos] **146** 48-49
- Glyceria maxima* (v.c.63) **143** 6, 8, 9, 10, 11, 12
– (v.c.81) Potentially intrusive neophyte **144** 23
– Marginal reserve for *Luronium natans*, on Huddersfield Broad Canal now colonised by. (Photo) **143** 9
– recent archaeophyte in Scottish Borders **142** 17
- Glyceria striata* (Descr.) **146** 49
- Gnaphalium* – splits to *Omalotheca*, *Gnaphalium*, *Gamochaeta*, *Pseudognaphalium* & *Laphangium* in Stace 4 **141** 12
- Gnaphalium uliginosum* – co-habitant of roadside halophytes v.c.67 **149** 30
- Goater, Mr B. – congratulated on 60 yrs membership **149** 55
- Good, the Bad and the Ugly, The, - Another Personal View on *Impatiens glandulifera* **143** 79-80
- Google Lens – Comments on Smartphones and tablets id app. **144** 37; screenshot (Photo) 38
- GORNALL, R.J. – Rev. of *Roots to Seeds. 400 years of Oxford Botany* (by Stephen A. Harris) **149** 81
- Gough, William Edgar, (1864-1930) (Biog.) – possible connection to puzzling unrecorded herbarium **148** 32
- GOULDER, RAY – Aquatic plants and dredging in the Huddersfield Broad Canal [v.c.63] [Photos] [Table] **143** 5-12
- Goulder, Ray – *Canals, plants and people: a Yorkshire perspective* (Photo) (Rev.) **141** 77
- GPS – device; Checking out a grid reference using an OS map and a, (Photo) **142** 39
– iRecord phone app **142** 39
– Using Smartphones **142** 39
- GRACE, JOHN & BRIAN BALLINGER – The Botanical Society of Scotland's Urban Flora Project [Map] **145** 31-32
- GRAHAM, PATRICIA S., & DAVID W. SHIMWELL – Common Broomrape (*Orobancha minor* var. *heliophila*) in Bishop Auckland [v.c.66] 2019-2020; observations on the invasion of an alien holoparasite [Photos] **147** 19-21
– The mystery of Adder's-tongue (*Ophioglossum vulgatum*) in Bishop Auckland [v.c.66] [Photos] **146** 21-24
- Grasses: A Guide to Identification Using Vegetative Characters* (by Hilary Wallace) (Rev.) **148** 83
- Grassland Plants of the British and Irish Lowlands* by Peter Stroh *et al.* (Rev.) **143** 68
- Grasslands Project, Irish, **148** 73
– Semi-natural grasslands, **144** 74
– successful online training webinars **145** 65
- Gray, Dr A.J. – congratulated on 60 yrs membership **149** 55
- Great Fen, The.*, A Journey Through Time by Alan Bowley (Rev.) **146** 79-80
- GREEN, DAVE – ‘Tanks for the Memory’? *Thalictrum simplex* ssp. *galioides*; first record for Great Britain [Illus.] **150** 64-66
– Historic records of *Carex filiformis* in Wiltshire [Illus., Map, Photo] **145** 23-25
- GREEN, PAUL – Country Roundups – Ireland **146** 67-68; **147** 63; (Photos) **148** 73-74
– New Ireland Officer **150** 74
- Green, Paul retires as VCR for Co. Waterford (v.c.H6) (Biog.) **143** 58
– takes over as interim Ireland Officer, Sarah Pierce on maternity leave **146** 67
– takes over as new Ireland Officer **150** 74
– thanked for time as interim Ireland Officer **149** 67
- Greenwings Wildlife Holidays – Advert **142** 81; **143** 80; **150** 89
- GREENWOOD, ERIC – Flora of a Wirral garden [v.c.58] [Photos] [Tables] **150** 10-17
– Pavement plants in the Wirral [v.c.58] [Photos] [Tables] **147** 22-24
- Greenwood, Eric – *Polypogon viridis* at junction of sandstone wall & pavement (Photo) **147** 24
- Greenwood, Eric & Barbara – *Triteleia laxa*, attractive neophyte appeared spontaneously in Wirral garden (Photo) **150** 15

- Greystoke, Cumbria, Example of inappropriate tree planting near to, (Photo) **150** 40
- Grey-Wilson, Chris – *Pasque-Flowers. The Genus Pulsatilla. A Guide for Gardeners, Horticulturists and Botanists* (2nd edn) (Rev.) **148** 84
- Grid reference, Checking out a, using an OS map and a GPS device (Photo) **142** 39
– Examples of, (Table) **142** 38
- GRIMSHAW, JOHN – Rev. of *Pasque-Flowers. The Genus Pulsatilla. A Guide for Gardeners, Horticulturists and Botanists* (2nd edn) (by Christopher Grey-Wilson) **148** 84
- Groom, Quentin – retires as joint VCR for S. Northumb. (v.c.67) (Biog.) **143** 57
- Guidance to participants and Guidance for leaders of field meetings – updated annually see BSBI Website **141** 78; **147** 54
- Guizotia abyssinica* – bird-feeder alien (Photo) **148** 64
– Niger bird-seed aliens **144** 50
- Guizotia scabra* – bird-feeder alien (Photo) **148** 64
- Guizotia scabra* ssp. *schimperii* (v.c.14) **149** 44
- Gymnadenia* in Minera Quarry (v.c.50), student research to determine species **148** 69
- Gymnadenia borealis* (Photo) (v.c.75) **144** 44; (v.c.78) **141** 59
- Gymnadenia conopsea* (v.c.42) **145** 62; (v.c.80) **144** 22
- Gymnadenia densiflora* (v.c.81) **144** 22
- Gymnadenia densiflora* ssp. *friesica* (Sussex) (v.c.41) **147** 31
– added to Red Data Waiting List (2019-2020) **147** 31
- Gymnocarpium dryopteris* (v.c.46) **145** 63; (v.c.48) **142** 63; (v.c.49) **145** 63
- Gymnocarpium robertianum* (v.c.64) **143** 55
- Gypsophila elegans* (v.c.94) **141** 60
- Gypsophila muralis* (v.c.13, 63, 69) **146** 46
- H**abitats, Broad, used for heat-maps with number of positive indicators selected (Table) **150** 41
– Garden, **150** 15-16
– Garden, Species characteristic of, (Table 3) **150** 16
– Planning fieldwork targeting vanishing, [Map] [Photos] **148** 25-31
- HACKNEY, PAUL – Alan George Hill (1935-2019) (Obit.) [Photo] **143** 62-63
- Halliday, Geoffrey – *A Flora of the East Greenland Central Fjord Region* (Rev.) **142** 71-72
- Hamilton, Mrs R.F.L. – congratulated on 60 yrs membership **149** 55
- Hammarbya paludosa* (Photos) **142** 65; **146** 37; (v.c.49) **143** 49; **148** 70; (1st recent record v.c.74) **144** 73; (v.c.88, 97, 104) **141** 59; (v.c.110) **146** 37; (v.c.111, H13, H31) **142** 65
- Hampshire Flora Group newsletter – details of website **144** 71
- Handbook, BSBI, ‘*Monograph of British and Irish Hieracium section Foliosa and section Prenanthoides*’ posted **147** 54
- Handbook, Field, to British and Irish Dandelions* (by A.J. Richards) (Rev.) **150** 85-86
- HANMER, JULIA – The British & Irish Botanical Conference **150** 73
- Hanmer, Julia – appointed new Chief Executive Officer **147** 2
- Hannah, Angus – *Isle of Bute Flora* (Rev.) **142** 70
– VCR for Clyde Is (v.c.100) has new address **142** 76
- Hanson, Gordon – Birdseed aliens originating from Niger (*Guizotia abyssinica*) wild bird food’ **144** 50
– Seeds from Ware 2021 **146** 60
- Hanson, Mr C.G. – Report of death of **150** 84
- Harding-Morris, James – succeeds Paul Kirby as VCR for v.c.54 (Biog.) **150** 76
- Hardship Fund, Finance Manager Fundraising for BSBI’s, **150** 74
- Hardy, Mrs D. – report of death of **141** 75
- HARRAP, SIMON – *Diapensia* revisited **141** 22-23
- Harrington, Dr A. – congratulated on 60 yrs membership **149** 55
- Harrington, Kate & Cliona Byrne – New joint VCRs for Co. Louth (v.c.H31) **143** 58
- Harris, Stephen A. – *Roots to Seeds. 400 years of Oxford Botany* (Rev.) **149** 81
- HARRISON, TIM – *Viscum album* hot-spots and not-spots in south Buckinghamshire (v.c.24) [Photos, Table] **141** 19-21
- Harron, John, (1944-2020) (Obit.) (Photo) **147** 67-68
– a personal appreciation (Obit) **147** 68-70
– Report of death of (Biog.) **146** 76
- Hart-Davies, Christina – *The Whole Story. Painting More Than Just the Flowers* (Rev.) **147** 78
- Haveman, R. *et al.* (eds) – *Nova Flora Neerlandica. Lycopodiopsida & Polypodiopsida* (Rev.) **150** 85
- Hawkweeds of South-East England* by Mike Shaw (Rev.) **145** 76
– stimulates a look at local hawkweeds **145** 2
- Hayward, Michael, & Martin Rickard – *Fern Albums and Related Material* by, (Rev.) **145** 80-81
- Heat-maps, Botanical – Description and uses (Maps) (Table) **150** 40-44
– using; Right tree, right place: to inform tree planting [Maps] [Photo] [Table] **150** 40-44
- Heathland* (by Clive Chatters) (Rev.) **148** 84
- Hedera algeriensis* (1st record v.c.62) **146** 46
- Hedera algeriensis* ‘Gloire de Marengo’ (Descr.) (v.c. 62, 63) **149** 51
- Hedera algeriensis* ‘Ravensholst’ (Descr.) (Photo) (v.c.64) **149** 51
- Hedera helix* agg. (v.c.H21) **141** 54
- Hedera helix* (v.c.58) **147** 23
- Hedera helix* ssp. *poetarum* (v.c.12) **149** 46
- Hedley, Stuart – new VCR for Herefs. (v.c.36) **143** 57
- Helianthemum nummularium* (v.c.48) **143** 49
– coastal grasslands and heaths (v.c.75) **144** 42
– stipules present **144** 30
- Helianthemum oelandicum* – stipules absent **144** 30
- Helianthemum oelandicum* subsp. *levigatum* – Upper Teesdale (v.c.65) **144** 45
- Helichrysum petiolare* (Descr.) (1st record v.c.14) **149** 47
- Helictochloa* – splits from *Avenula* in Stace 4 **141** 12
- Helleborus viridis* – woodland (v.c.7/8) **142** 37
- Helosciadium* – splits from *Apium* in Stace 4 **141** 12
- Helosciadium [Apium] repens*, discovered in Suffolk in 2020 at only its second UK location (Photo) **146** [i]
- Helosciadium* × *longipedunculatum* (*H. nodiflorum* × *H. repens*) (Descr.) (v.c.23) **146** 3
- Helosciadium inundatum* (v.c.87) **147** 62
- Helosciadium nodiflorum* (Descr.) **146** 3
- Helosciadium repens* (Descr.) **146** 3; (Photo) **146** 3, 4; (v.c.18) **146** 5, 61; (v.c.23) **146** 5; (v.c.26) **146** 3, 5, 61 (v.c.61) **146** 5
– categorised as Endangered in England **146** 5

- Discussion re colony at Nuns Bridges (v.c.26) **146 5**
 – West Suffolk [v.c.26], A ‘natural regeneration’ approach to wild flower meadow creation results in the appearance of, [Photos] **146 3-6**
- Helping hand for beginner botanists (discussion) **142 13**
- Henckelia anachoreta* – established indoor tropical weed (v.c.83) **145 49**
- Henly, Mr J.C. – congratulated on 60 yrs membership **149 55**
- Heraclium sphondylium* (Descr.) **148 7**; (v.c.20) **147 7**; (v.c.80) **148 7**
 – Leaf phenology survey (v.c.80) **148 7**
 – Phenology of three umbellifers: *Myrrhis odorata* & *Anthriscus sylvestris* (Graph) **148 8**
 – Regrowth of *Myrrhis odorata* & *Anthriscus sylvestris* (Graph) **148 8**
- Herbarium – A visit to my local [Photos] **144 31-32**
 – sheet of *Phleum arenarium* collected from ‘sand dunes, Llandudno, N. Wales’, 1948 (Photo). **149 31**
 – *The Quest to Preserve & Classify the World’s Plants* (by Barbara M. Thiers) (Rev.) **148 81**
 – Whitby, description of collection dating from 1600s to mid-1930s **144 31**
- Herbarium, An historic.: what can it tell us about the changing flora of Britain in the 20th and 21st centuries? [Graph] [Map] [Photos] [Table] **149 31-37**
 – Changes in the number of site-specific records from post 1930 to post 2009 (Graph) **149 36**
 – Distribution of the herbarium specimens by 10 km square (Map) **149 33**
 – Threatened species apparently lost from a locality or hectad (Table 1, 17 taxa listed) **149 35**
 – Threatened species, species with restricted distribution or habitat specialists with a constant or near constant presence from before 1930 (Table 2, 15 taxa listed) **149 37**
- Herbarium, A puzzling unrecorded, and some related mysteries **148 31-34**
 – found in Adcote School (v.c.40), now at CGE **148 31**
- Herbarium-based morphology replaced by DNA studies for generating higher classifications of plants **145 5**
- Herefordshire, The Rare Plants of*, by Les Smith, Peter Garner & Mark Jannick (Rev.) **143 69-70**
- Heritage Lottery Fund – grant **141 78**
 – resilience review **141 2**
- Herminium monorchis* (Photo) **149 63**; (in decline v.c.17) **149 61**
- Herniaria glabra* (v.c.67) **146 46**
- Heswall [v.c.58] – A typical street in, with garden wall, pavement, grass verge, street and garden trees (Photo) **147 23**
- Heuchera* – specimens wanted **148 64**
- Heukels’ Flora van Nederland* (24th edition) by H. (Leni) Duistermaat (Rev.) **145 79-80**
- Hibiscus syriacus* (v.cc.16, 17) **145 46**
- Hieracium* records (v.c.42) endemic & rare updated online **146 64**
- Hieracium section Foliosa and section Prenanthoidea, Monograph of the British and Irish*, (by Timothy C.G. Rich & David McCosh) (Rev.) **148 82**
- Hieracium basalticola* (v.c.H33) **150 49**
- Hieracium cambrense* (v.c.35) **145 62**
- Hieracium* cf. *daedalolepioides* (v.c.46) may be new taxon **148 69**
- Hieracium consociatum* (v.c.35) **145 62**
- Hieracium deganwyense* (v.c.49) **146 64**
- Hieracium exotericum* (v.c.35) **145 62**; (v.c.49) **149 64**
- Hieracium gentile* (1st Welsh record v.c.49) **149 64**; (1st record v.c.100) **145 65**
- Hieracium grandidens* (1st record v.c.100) **145 65**
- Hieracium pollichae* (v.c.41(E)) new to Wales **145 62**
- Hieracium radyrense* (v.c.41(E)) **145 62**
- Hieracium sabaudum* f. *bladonii* (v.c.91) **147 62**
 – on railway bridge, Gomshall, (v.c.17) (Photo) **145 86**
- Hieracium silvaticoides* (v.c.104) **145 65**
- Hieracium subprasiniifolium* – ‘extinct’ sp. rediscovered by Tim Rich **142 16**
- Hieracium triviale* (v.c.49) **149 64**
- Hierochloe odorata*, Loch Torcusay, Benbecula (Photo) **146 36**; (v.c.110) **146 37**
- Hill, Alan George, (1935-2019) (Obit.) [Photo] **143 62-63**
 – Report of death of **142 68**
- HILL, LOUISE – Geoffrey Thomas Duerden Wilmore (1941-2018) (Obit.) (Photo) **141 71-74**
- Hill, Mrs Pamela – Report of death of **145 75**
- Himantoglossum* – Molecular systematics (Fig. 2) **145 8**
- Himantoglossum hircinum* (v.cc.7, 11) (1st record v.c.18) **145 60**; (v.c.18/19) **142 57**; (v.c.20, 145 60); (v.c.21) **145 37**; (v.c.29) (1st record v.c.31) (v.c.55) **145 60**
- Hinson, Mr D. – Report of death of **150 84**
- Hippophae rhamnoides* (v.c.41) **150 67**
- Hirschfeldia incana*, *Malva sylvestris* & *Artemisia vulgaris*; common plants in many of Middlesex’s [v.c.21] highly anthropogenic habitats (Photo) **145 33**
- Historic records of *Carex filiformis* in Wiltshire [Illus., Map, Photo] **145 23-25**
- HOCKING, SOPHIE, DR DAN JONES, PROFESSOR DAN EASTWOOD– Out of sight, out of mind? *Ex-situ* germination of × *Reyilopia conollyana* in a South Wales invaded seed bank [Photos] **142 52-55**
- Hodd, Rory & Fred Rumsey – *Stegogrammitis jamesonii* in Ireland (Exbt 2019) **143 56**
- Hodkinson, Ian D. – *Natural Awakenings: Early Naturalists in Lakeland* by, (Rev.) **144 83-84**
- HOGARTH, BARBARA – *Alchemilla* micro-species found in the north-east of Scotland [Photo] **142 26-27**
- Hogarth, Barbara – *A study of the Alchemilla micro-species found in northern Scotland* paperback on Amazon **142 27**
 – *Alchemilla. A Field Guide to the Lady’s-mantles of the British Isles* by (Rev.) **146 78-79**
 – *Alchemilla. A Study of the Alchemilla Micro-species Found in Northern Scotland* by, (Rev.) **146 78-79**
 – Papers describing *Alchemilla* ‘*cairnwellensis*’ & *A. ‘caledonica*’ available from, **142 27**
- Holcus* × *hybridus* (*H. lanatus* × *H. mollis*) (Descr.) **147 26**
 – ploidy level discussed **147 25-26**
 – specimens sought **147 26**
- Holcus* × *hybridus* f. *superlanatus* – closer to *H lanatus* **147 25**
- Holcus* × *hybridus* f. *supermollis* – closer to *H mollis* **147 25**
- Holcus* × *hybridus*, *H. lanatus* & *H. mollis* - and reassessing the distribution of, (Photo) **147 25-26**
- Holcus lanatus* (Descr.) **147 25**
 – & *H. mollis* - and reassessing the distribution of *H. × hybridus* (Photo) **147 25-26**
- Holcus lanatus* ‘var. *soboliferus*’ (Descr.) **147 25**
- Holcus mollis* (Descr.) (Photo) **147 25**
 – specimens sought **147 26**

- Hollingsworth, Prof. Peter, giving a talk at the Scottish Botanists' Conference to mark RBGE's 350th anniversary (Photo) **146 66**
- Holoparasite – definition **147 19**
- Honorary Member – 2019, Tom Cope elected **143 56**
- Hopkins, Mr I.J. – Report of death of **150 84**
- Hordelymus europaeus* – (v.c.24) **141 19**; (v.c.50) **148 69**
- Hordeum secalinum* (v.c.47) **146 64**
- Horizon scanning – of invasive non-native plants by BSBI staff and volunteers **142 4**
- resulted in list of 30 high risk species **142 4**
- Hornungia petraea* (v.c.42) **145 63**; (v.c.49) **145 63**
- Horsfall, Anne (1927-2021) (Obit.) (Photo) **149 70-72**
- Report of death of **149 75**
- Horsman, Frank – *Who Discovered the "Teesdale Rarities"?* (Rev.) **148 85**
- Hosta* 'Undulata Albomarginata' (Descr.) (v.c.64) **149 51**
- Hottonia palustris* – Norfolk Ponds Project (v.c.27) **146 11**
- Houldsworth, Jane – resigns as BSBI's Head of Operations (Biog.) **146 2, 59**
- HOULDSWORTH, JANE, LYNNE FARRELL & CHRIS MILES – BSBI's Future – Where we are going and how we will get there **145 4**
- Houndkirk Moor, Sheffield (v.c.57), A large colony of *Lysimachia europaea* on, [Photos] **145 26-27**
- HOUNSOME, GEORGE – *Caylusea abyssinica*, a birdseed casual, in Surrey (v.c.17) [Photos] **144 61-62**
- *Glyceria grandis* in Surrey [v.c.17] [Photos] **146 48-49**
- Know your Onions - *Allium subhirsutum* and *A. trifoliatum* in Surrey (v.c.17) [Photos] **145 52-54**
- *Malva verticillata* in Surrey (v.c.17) ([Map] [Photos] **143 43-44**
- *Rumex thyrsiflorus* in Surrey (v.c.17) [Photos] **148 45-46**
- Houston, Libby – congratulated on 2018 Marsh Botany Award **147 55**
- Howe, Dr E.A. – Report of death of (Biog.) **142 68**
- HOWKINS, CHRIS – Rev. of *Mulberry* by Peter Coles (Rev.) **145 80**
- Huddersfield Broad Canal [v.c.63], Aquatic plants and dredging in the, [Photos] [Table] **143 5-12**
- HUMPHREY, TOM, LYNNE FARRELL, & KEVIN WALKER – Members' Access to the BSBI's Distribution Database **147 54**
- Hunford, Mr D.A.J. – report of death of **141 75**
- HUNT, NATALIE, ET AL. – Changing status of *Scleranthus annuus* (Annual Knawel) on the Sefton Coast, north Merseyside [Photos, Table] **142 22-26**
- Huntingdonshire and the Soke of Peterborough, The Orchid Flora of*, by Peter Walker, Barry Dickerson & Roger Orbell (Rev.) **143 71-72**
- Huperzia selago* (v.c.H33) **150 48**
- Hutchins, Ellen, Festival – Training workshop (v.c.H3) **144 74**
- Hyacinthoides* × *massartiana* threat to *H. non-scripta* minimal **142 8**
- Hyacinthoides non-scripta* (Photo) **150 [i]**; (v.c.64) **141 51**; (v.c.H33) **150 46**
- Hyatt, Mr K.H. – Report of death of **148 80**
- Hydrocharis morsus-ranae* (v.c.47) **146 64**; (v.c.H33) **150 45**
- on Millenium Seed Bank wanted list **142 15**
- Hydrocotyle* – stipules are *Ochrea* **144 29**
- Hydrocotyle ranunculoides* – Scottish records sought **160 63**
- spreading rapidly **142 4**
- Hydrocotyle vulgaris* (v.c.44) **146 64**
- Hylotelephium* – splits from *Sedum* in Stace 4 **141 12**
- Hymenophyllum tunbrigense* (v.c.45) **147 61**; (v.c.72) **141 60**; (Photo) (v.c.102); **147 61**(v.c.H33) **150 49**; (v.c.H37) **148 74**
- Hymenophyllum wilsonii* (v.c.42) **142 62**; (v.c.49) **145 63**; (v.c.H33) **150 49**; (v.c.H37) **148 74**
- Hypericum* × *desetangsii* (v.c.44) **146 64**
- Hybrid swarm on railway ballast Roxburghs (v.c.80) **142 18**
- Hypericum densiflorum* – added to Red Data Parking List (2019-2020) **147 34**
- Hypericum elodes* – sample image, AI id. (Photos) **144 35**
- Hypericum graciliramum* (*H.* × *desetangsii*) nothosp. *carinthiacum*) – status undecided in Red Data List (2019-2020) **147 34**
- Hypericum linariifolium* (v.c.49) **142 63**; **146 64**
- Hypericum lineolatum* – added to Red Data Parking List (2019-2020) **147 34**
- Hypericum maculatum* – native in Roxburghs (v.c.80) but rare casual in Berwicks (v.c.81) **142 18**
- Hypericum microphyllum* – added to Red Data Parking List (2019-2020) **147 34**
- Hypericum montanum* (v.c.32) (Photo) **148 67**; (v.c.35) **146 63**; (v.c.52) **148 69**
- Hypericum perforatum* – archaeophyte colonizer of railway ballast in Scottish Borders **142 17**
- history of distribution & status in Scottish Borders **142 17-18**
- medicinal uses **142 17-18**
- Hypochaeris glabra* (Descr.) **147 39**
- Hypochaeris maculata* (Descr.) **147 39**; (v.c.30) **148 65**; (v.c.49) **148 70**
- threat status amended to VU in Red Data List (2017-2018) **141 5**
- Hypochaeris radicata* (Descr.) **147 39**; (v.c.59) **142 23**
- with scales on the flower stalk (Photo) **147 39**
- Hypopitys monotropa* (v.c.7/8) **142 37**; (v.c.41(E)) **145 62**; (v.c.49) **148 70**; (v.c.60) **149 62**; (Photo) (v.c.75) **144 44**; (v.c.77) **145 64**; (v.c.86) **147 62**; (v.c.H34) **146 68**
- Hyssopus officinalis* (Descr.) (1st record v.c.14) **147 42**
- Iberica, Flora, Plantas Vasculares de la Peninsula Iberica e Islas Baleares, Volume XIX (2), Gramineae (partim)** (by S. Castroviejo (Coordinador General); C. Romero Zarco *et al.* (eds of this volume) (Rev.) **150 87-88**
- Iberis amara* (Descr.) **146 40**; (v.c.10) **148 27**; (v.c.14) **146 40**; **149 44**
- Iberis umbellata* (Descr.) (v.c.14) **146 40**
- Identification in *Epilobium* (willowherbs), Common problems with, [Illus., Photos] **144 5-13**
- Identification, field, – Common problems with, the *Polygonum aviculare* aggregate [Illus.] [Photos] **148 19-22**
- Further common problems with, [*Agrimonia* & *Salix* hybrids] [Illus.] [Photo] **147 15-18**
- Identification, plant, Artificial Intelligence for, on smartphones and tablets [Illus., Photos, Tables] **144 34-40**
- Identify Mountain Flowers of Britain and Ireland* by Alan R. Walker (Rev.) (Illus.) **142 72**
- downloadable PDF **150 89**

- Identifying British Elms* (62 taxa) by Brian Eversham available online (Rev.) **150 22**
- Ilex aquifolium* (v.c.64) **141 51**
– Typical minute paired stipules **144 28**
- Illecebrum verticillatum* (v.c.12) **148 67**; (1st record v.c.97) **149 [i]**, 66
- Impact of native and alien ‘thugs’ in semi-natural habitats [Photos] **142 6-11**
- Impatiens glandulifera* (Photo) **141 55**; (v.c.63) **143 12**; (v.c.89) **141 54**; (v.cc.53, 64) **142 79**
– could reduce pollination of native plants **143 78**
– Dunkeld - Blairgowrie Lochs an EU Special Area of Conservation **141 54**
– eradication, Contractors, herbicides and volunteers **141 55**
– Eradication of, **143 78-79**
– Eradication of, - a personal view [Photo] **141 54-46**; **142 79**
– history of infestation and eradication measures in v.c.89 **141 54**
– Ilkley (v.c.64) spread monitored by Wharfedale Naturalists Society **142 79**
– invading habitat of *Carex cespitosa* (v.c.20) **150 30**
– problem for bees **143 78**
– protruding stipular glands (Illus.) **144 29**
– rust fungus developed by CABI to help eradicate **143 78**
– Swansea University Department of Biosciences **142 53**
– The Good, the Bad and the Ugly - Another Personal View on, **143 79-80**
– total eradication an impossible dream **143 78**
- [Instone], Terry – photographing *Gymnadenia* orchids in the Bernese Oberland (Photo) **141 80**
– winner of BSBI Direct Debit competition (Biog.) **141 80**
- Integrated Pest Management (IPM) – *Reynoutria japonica* control methods **142 53**
- Intertidal adventure, An. [Photos] **141 23-26**
- INTRODUCING MY VICE COUNTY **141 31-35**; **142 33-27**; **144 41-45**; **145 33-38**; **146 34-39**; **150 45-49**
- Introducing my Vice County – Ayrshire (v.c.75) (Recorders: Gill Smart, Dave Lang & Carol Crawford) [Photos] **144 41-45**
– Co. Fermanagh (v.c.H33) (Recorders: Robert Northridge & Ralph Forbes) [Photos] **150 45-49**
– Middlesex (v.c.21) (Recorder: Mark Spencer) [Illus., Photos] **145 33-38**
– Montgomeryshire v.c.47 (Recorders Kate Thorne & Gill Foulkes) [Photos] **141 31-35**
– North and South Wiltshire v.c.7 & v.c.8 (Recorders Sharon Pilkington & Richard Aisbitt) [Photos] **142 33-37**
– Outer Hebrides (v.c.110) (Recorder Paul A Smith) [Photos] **146 34-39**
- Inula crithmoides* – now *Limbarda crithmoides* in Stace 4 (Photo) **141 12**
- Inula hookeri* (1st record v.c.58) **141 45**; (v.c.69) **141 47**
– trending alien **141 41**
- Inula racemosa* – trending alien **141 41**
- Invasive alien – the ultimate in pejorative terms **145 83**
- Invasive aliens – 2nd to bottom threat (*Threatened Plants*) **142 7**
– costs over £250 million p.a. to control & economic damage **150 63**
– *The plants and animals from over there that are over here* by Dan Eatherley (Rev.) **142 74**
- Invasive native & non-native plants – Cornwall (top 10 listed) **142 9-10**
– Dorset (v.c.9) (top 10 listed) **142 10-11**
– in Cornwall & Dorset top 5 are native **142 11**
– VCR Survey **142 8**
- Invasive native species – Effect of, **142 6-7**
– threat level 13 times more than non-natives (*Threatened Plants*) **142 7**
- Invasive non-native plants – alert system **142 4**
– Assessing impact **142 4**
– Beyond mapping: the BSBI's work on, [Photos] **142 3-5**
– BSBI involvement in 2 ‘expert elicitation’ studies **142 4**
– BSBI survey with vice-county recorders (2019) **142 5**
– detailed factsheets for c.100 taxa **142 5**
– *Framework and Guidelines for Implementing the Proposed IUCN Environmental Impact Classification for Alien Taxa*, known as ‘EiCAT’ **142 4**
– massive increase in recording linked to ability to identify them **142 7**
– species register (1,800 plants) openly available on-line via NNSIP portal **142 5**
- Invasives, Non-native, **142 79**
– ?canvass membership **142 79**
– worst need controlling **142 79**
- Invasives Research Centre, Taff's Well (v.c.41) – Investigating the seed bank **142 53**
– *Reynoutria japonica* control **142 53**
- Ipomoea purpurea* (Descr.) (v.c.14) **148 39**
- iRecord – phone app and GPS **142 29**
– Urban Flora Project (Scotland) data entered in, **145 31**
- Ireland conifer workshop with Matt Parratt [v.c.H38] (Photo) **144 74**
- Ireland, Country Roundups [Photo] **141 62-63**; [Photo] **144 74**; [Photos] **142 64-65**; [Photos] **143 51-63**; **145 65-66**; **146 67-68**; **147 63**; (Photos) **148 73-74**
- Ireland – New Year Plant Hunt, 98 lists and 2,178 records submitted **147 63**
– Officer, New, **150 74**
- Ireland, Rare Plant Project, (Google ‘BSBI RPPI’) **148 73**
- Ireland, The Wild Food Plants of*, – comment on review **147 80**
– Complete Guide to their Recognition, Cooking, History and Conservation by Tom Curtis & Paul Whelan (Rev.) **146 81**
- Iris pseudacorus* (v.c.63) **143 6, 8**
- Iris versicolor* (Descr.) (v.c.58) **144 53**
- Irish Aquatic Plants Project **142 64**; (Photo) **143 52**; **144 74**; **148 73**; (Rpt) **149 68**
– online training continues **145 66**; **146 67**
– videos posted online **146 67**
- Irish Autumn Meeting – 2019 and AGM 2019 **142 65**
– 2021 held online & talks etc., available on website & YouTube (Rpt) **149 67**
- Irish Botanical Recording for Beginners – Webinar **145 66**
- Irish ‘Botanist days’ 2018 – total 726 **141 62-63**
- Irish BSBI Conference 2019 – visit <https://bsbi.org/irish-conference> **141 62**
– chatter on Twitter: #IrishBSBIConference. **141 62**
- Irish Grasslands Project **148 73**; (Rpt) **149 68**
– successful online training webinars **145 65**
- Irish members postcodes requested after Brexit **146 58**

- Irish online webinar training events **148 73**
 Irish Other events 2018 – BallyNature day in Ballynure, Co. Antrim **141 63**
 Irish place names can be used to locate rare species, How, [Photos] **150 34-36**
 Irish Semi-natural Grasslands Project **144 74**
 Irish Spring Conference 2020 – details on website **143 51**
 Irish webinars – all available on BSBI YouTube Channel **145 66**
Isle of Bute Flora by Angus Hannah (Rev.) **142 70**
 Islington (v.c.21) significant influxes of southern European and Mediterranean annual plants **145 36**
Isoetes lacustris (v.c.H33) **150 46**
Isolepis setacea (v.c.46) **148 69**
 ISON, JEREMY, – Panel of Referees and Specialists **141 79; 142 80**
Isotoma axillaris (Descr.) **143 34; 144 50; (v.c.9) 143 34; (v.c.14) 143 34; 144 50**
Jackson, Helen, retires after 40 yrs as VCR for v.c.82 (Biog.) 149 58
Jacobaea – and *Senecio*, differences between species of ragworts (Exbt 2019) **143 56**
 – splits from *Senecio* in Stace 4 **141 12**
Jacobaea aquatica – nr Hammersmith (v.c.21) 2013 herbarium specimen (Photo) **145 38**
Jacobaea vulgaris (v.c.26) **145 5**
 James, Trevor John (1947-2020) (Obit.) (Photo) **148 75-77**
 – Congratulated on award of British Empire Medal **143 3**
 – entomologist as well as botanist! (Photo) **148 75**
 – Report of death of (Biog.) **145 58, 75**
 Jannick, Mark, with Les Smith & Peter Garner *The Rare Plants of Herefordshire* (Rev.) **143 69-70**
 Jardine, Dr N., – congratulated on 60 years membership **143 58**
Jasione montana (v.c.11) **147 3**
Jasminum beesianum (1st record v.c.50) **149 49**
Jasminum officinale (Descr.) **145 46**
Jasminum polyanthum (Descr.) (v.c.21) **145 46**
 Jeeves, Michael – New VCR for Wigtowns (v.c.74) **145 58**
 JEFFERSON, RICHARD G. – An historic herbarium: what can it tell us about the changing flora of Britain in the 20th and 21st centuries? [Graph] [Map] [Photos] [Table] **149 31-37**
 Jefferson, Richard, with Peter Stroh *et al.* – *Grassland Plants of the British and Irish Lowlands* (Rev.) **143 68**
 JOHNSON, DAVID, *ET AL.* – *Serapias vomeracea* Burm. f. (Briq.): first wild record for Britain and Ireland [v.c.15] [Photos] **146 7-10**
 Johnson, David – *Wild Orchids of Kent* (Rev.) **142 73**
 Johnson, Thomas – 1629 expeditions to explore Kent and Hampstead Heath **145 34**
 JONES, ANDREW & RUMSEY, FRED – *Myosotis stricta*: a likely native and overlooked forget-me-not in Britain [Photos] **141 8-9**
 JONES, DR DAN, with SOPHIE HOCKING, & PROFESSOR DAN EASTWOOD – Out of sight, out of mind? *Ex-situ* germination of × *Reylopia conollyana* in a South Wales invaded seed bank [Photos] **142 52-55**
 JONES, HAMLIN – Artificial Intelligence for plant identification on smartphones and tablets [Illus., Photos, Tables] **144 34-40**
 – visual-flora website (*visual-flora.org.uk*) **144 33**
 JONES, LYN – Rev. of *Identify Mountain Flowers of Britain and Ireland* by Alan R. Walker (Rev.) (Illus.) **142 72**
 Jones, Vincent, (1947-2020) (Obit) (Photo) **146 75-76**
 – Report of death of (Biog.) **145 58, 75**
Juglans regia (v.c.80) **141 60**
Juncus – Referees sought **147 55**
Juncus alpinoarticulatus – Upper Teesdale records increased from 46 to over 1,000 **144 47**
Juncus articulatus (v.c.26) **145 5**
Juncus balticus – Loch Hallan SSSI (v.c.110) **146 36**
Juncus capitatus – conservation work (Photo) (v.c.52) **146 65**
Juncus castaneus (v.c.97) **148 71**
Juncus compressus (v.c.32) **145 60; (v.c.88) 144 73**
Juncus effusus (v.c.63) **143 6, 8; (v.c.58) 147 23; (v.c.H22) 144 17**
Juncus filiformis (v.c.78) **143 51**
Juncus gerardii (v.c.88) **144 73**
Juncus ranarius – roadside halophyte associate of *Lysimachia minima* **145 17**
Juncus triglumis – decreased by over 80% in upper Teesdale **144 47**
 Juniper, Barrie E. & David J. Mabberley – *The Extraordinary Story of the Apple* (Rev.) **143 74-75**
Juniperus communis (v.c.8) **142 34; (v.c.45) 147 60; (v.c.75) 144 43; (v.c.H27) 149 69**
Kalmia angustifolia – New Forest, v.c.11 (Photo) **141 42**
Kalmia procumbens (v.c.105) **144 14, (Photo) 15**
 KARLEY, SEÁN, – Gillian Margaret Gent (1927-2018). (Obit.) (Photo) **141 67-68**
 Keith-Lucas, Dr M. – congratulated on 60 yrs membership **149 55**
 KELL, ANNE – *Viscum album* - a preliminary survey in Suffolk [Charts, Map, Photo, Table] **143 25-28**
 Kernicer, Greg, & Roger Parsons – *Lathyrus The complete guide* (Rev.) **149 79-80**
Kickxia elatine (v.c.11) **149 38; (v.c.35) 149 63**
Kickxia spuria (v.c.11) **149 38**
 KILLICK, JOHN – The last of wool aliens? [Photo] **147 51**
 Kilroosky Lough [v.c.33] with submerged stoneworts (Photo) **150 46**
 Kirby, Keith – *Woodland Flowers. Colourful Past, Uncertain Future* by, (Rev.) **147 74**
 Kirby, Mr J.E. – congratulated on 60 yrs membership **149 55**
 Kirby, Paul – retires after 20 yrs as VCR for v.c.60 (Biog.) **148 60**
 KITCHENER, GEOFFREY – Rev. of *Hawkweeds of South-East England* by Mike Shaw (Rev.) **145 76**
 KITCHENER, GEOFFREY, *ET AL.* – *Serapias vomeracea* Burm. f. (Briq.) (Long-lipped Tongue-orchid): first wild record for Britain and Ireland [v.c.15] [Photos] **146 7-10**
 KNAPP, SANDRA – Rev. of *Herbarium. The Quest to Preserve & Classify the World's Plants* (by Barbara M. Thiers) **148 81**
 KNAPP, SANDRA – Rev. of *The Multifarious Mr Banks: from Botany Bay to Kew, the Natural Historian Who Shaped the World* by Toby Musgrave **147 75**
 Knapp, Sandy & Leif Bersweden on the New Year Plant Hunt 2020 (Photo) **144 3**
 Know your Onions – *Allium subhirsutum* and *A. trifoliatum* in Surrey (v.c.17) [Photos] **145 52-54**
Koeleria macrantha (1st record v.c.H11) **143 53**

- Koelreuteria paniculata* (v.c.13) (1st record v.c.14) **144** 50
Koenigia – many spp. transferred from *Persicaria* to, in Stace 4 **141** 12
- KREUTZ, KAREL – Rev. of *Broomrapes of Britain & Ireland. A Field Guide to the Holoparasitic Orobanchaceae* (by Chris Thorogood & Fred Rumsey) **149** 76
- Kuhn, Rolf, with Henrik Pedersen & Phillip Cribb – *Field Guide to the Orchids of Europe and the Mediterranean* (Rev.) **143** 70-71
- Laburnum anagyroides* (v.c.58) **147** 23
Lactuca serriola (v.c.83) **144** 54
Lactuca virosa (1st record v.c.77) **147** 62; (v.c.85) **145** 64
Lagarosiphon major (v.c.63) **143** 6, 7, 8, 11; (v.c.73) **141** 59
Lagurus ovatus (1st record v.c.46) **147** 60; **148** 68
Lakeland, Natural Awakenings: Early Naturalists in, by Ian D. Hodkinson (Rev.) **144** 83-84
- LAMBLEY, PETER – The Suffolk site of *Lysimachia europaea* **146** 84
 Lambley, Mr P.W. – Report of death of **150** 84
 Lamiaceae – Notable family without stipules **144** 30
Lamium galeobdolon ssp. *argentatum* – Invasive non-native plant **142** 4
 – Phenology of, & *Plantago lanceolata* **148** 9
Lamium alexandrinum (v.c.35) **149** 62
Lamprothamnium papulosum – old record for v.c. **10** **148** 28; (v.c.110) **146** 36
- Land management changes – detrimental to native flora **142** 6
- Laney, Brian – congratulated on 2017 Marsh Botany Award **147** 55
- Lang, Mr D.C. – Report of death of **147** 72
- Lansdown, Richard – all material should now be sent to his home address by prior arrangement **150** 76
 – collecting *Ceratophyllum submersum* in Lincolnshire (Photo) **142** 15
- LANSDOWN, RICHARD, & IAN DENHOLM – Is *Carex cespitosa*, really confined to a single location in Britain and Ireland? **150** 30-31
- Laphangium* – splits from *Gnaphalium* in Stace 4 **141** 12
Laphangium lutealbum (Photo) (v.c.1b) **148** 51; (v.c.35) **149** 63; **150** 54; (v.c.41) **150** 54
 – Islington (v.c.21) a recent colonist from S. Europe **145** 36
- Lapsana communis* subsp. *intermedia* (v.c.21) **145** 34
- Larner, Dr David R., – Report of death of **149** 75
- Latham, Mr E.W. – Report of death of **147** 72
- Lathraea clandestina* – escape from Marjorie Blamey's garden near Liskeard (v.c.2) **143** 61
Lathraea squamaria (v.c.7/8) **142** 37; (v.c.72, 77) (Photo) **148** 70
- Lathyrus* *The complete guide* (by Greg Kernicer & Roger Parsons) (Rev.) **149** 79-80
- Lathyrus aphaca* (v.c.3) **149** 60; (v.c.15) **142** 42; (v.c.62) **142** 43
 – stipules leaf like **144** 28
- Lathyrus hirsutus* (v.c.6) **146** 63; (v.c.18); N. Kent, **141** 4
 – added to Red Data List (2017-2018) **141** 4
- Lathyrus japonicus* (v.c.45) **147** 60
Lathyrus latifolius – NWDC (v.c.27) **147** 48
Lathyrus linifolius – regionally extinct over much of Greater London **145** 34
Lathyrus maritimus (v.c.H12) **143** 54
- Lathyrus nissolia* (v.c.50) **148** 69
Lathyrus odoratus (Descr.) **149** 44; (v.c.14) **142** 41; **149** 44
Lathyrus palustris (Photo) (v.c.H33) **150** 46
Lathyrus sativus (Descr.) (v.c.2, 10) **148** 38
Lathyrus vernus (1st record v.c.57) **146** 46
Lavandula angustifolia (v.c.58) **147** 23
- LAVENDER, GRAHAM & ROB RANDALL – *Rubus nepalensis*: a previously unrecorded Bramble in the UK [Photo] **149** 54
- Lawson, Mrs V. – Report of death of **142** 69
- LEACH, SIMON J. – Vascular plant Red Data List for Great Britain: summary of amendments in years 12 and 13 (2017-18) of the annual amendments process [Photos] **141** 3-7
- LEACH, SIMON J. – Vascular plant Red Data List for Great Britain: summary of amendments in years 14 and 15 (2019-20) [Photos] **147** 27-35
- Leaf phenology – Some observations on, [Graphs] [Photo] **148** 6-9
 – survey (v.c.80) – methodology **148** 6
- Lean, Dr A. – Report of death of **150** 84
- LEANNEY, BOB – Common problems with field identification - the *Polygonum aviculare* aggregate [Illus.] [Photos] **148** 19-22
 – Common problems with identification in *Epilobium* (willowherbs) [Illus., Photos] **144** 5-13
 – Further common problems with field identification [Illus.] [Photo] **147** 15-18
 – Recognising *Poa infirma*: spotting features and identification characters **150** [Illus.] [Photos] **150** 18-22
- Leaney, Bob – *Poa annua* & *Poa infirma* (Del.) (Illus.) **150** 20
- LEANNEY, BOB, JO PARMENTER & OLI PESCOTT – *Eremopoa persica* re-found in Britain after a 60-year absence [v.c.27] [Photos] [Table] **148** 47-50
- Lecanthus peduncularis* – fully naturalised indoor tropical weed (Descr.) (v.c.83) **145** 49; (Photo) 50
- LEE, JOHN – Rev. of *Natural Awakenings: Early Naturalists in Lakeland* by Ian D. Hodkinson **144** 83-84
- Legacy information **142** 80; **143** 80; **144** 77; **145** 85; **146** 85; **150** [90]
- Leguil, Sophie – More than Weeds? (Exbt 2019) **143** 56
- Leicestershire, Group in, on the New Year Plant Hunt (Photo) **141** 14
- Lemna gibba* (v.c.47) **146** 64; (v.c.63) **143** 6, 8, 10
 – (flat form) – River Avon near Bradford-on-Avon (v.c.8) **142** 36
- Lemna minor* (v.c.63) **143** 6, 8, 10
 – & *Potamogeton natans*, Floating leaves of *Luronium natans*, Huddersfield Broad Canal [v.c.63] (Photo) **143** 5
- Lemna turionifera* (v.c.5-9, 11, 13, 21, 24, 27-29, 33, 35, 40-42, 52-54, 57, 83) **147** 45
- Lemnaceae – sunk into Araceae in Stace 4 **141** 12
- LEMON, STEPHEN – Rev. of *Woodland Flowers. Colourful Past, Uncertain Future* by Keith Kirby **147** 74
- LEMON, STEPHEN, ET AL. – *Serapias vomeracea* Burm. f. (Briq.): first wild record for Britain and Ireland [v.c.15] [Photos] **146** 7-10
- Leonard, David & Yvonne, Northern Ireland, 2011 (Photo) **150** 80

- Leonard, Yvonne June, (1940-2021) (Obit.) (Photo) **150**
 80-81
 – Report of death of **149** 75
- Leontodon* (Descr.) **147** 38
Leontodon hispidus (Descr.) **147** 38; (Photo) **147** 37
Leontodon saxatilis (Descr.) **147** 38; (Photo) **147** 39
Lepidium coronopus (v.c.44) **145** 63
Lepidium didymum (v.c.48) **142** 63
Lepidium heterophyllum – possible archaeophyte in Scottish Borders **142** 19
Leptinella traillii ssp. *pulchella* (Descr.) **145** 48
Leptinella traillii ssp. *traillii* (Descr.) (1st BI record, v.c.105) **145** 48
 – from Rubha Reidh, (v.c.105) growing in a pot (Photo) **145** 48
- LESLIE, ALAN – Gigi Crompton (1922-2020) (Obit.) [Photos] **145** 69-73
 – Plant introductions with coco peat [Photo] **150** 69-71
 – Rev. of *The Great Fen. A Journey Through Time* by Alan Bowley **146** 79-80
- Leslie, Alan – *Flora of Cambridgeshire* by, (Rev.) **144** 78-79
 – retires as joint VCR for Cambs (v.c.29) (Biog.) **141** 79
- LETTERS **142** 79-80; **143** 76-80; **145** 82-85; **146** 82-84; **147** 79-80; **148** 87-89; **149** 82-83
- Leucanthemella serotina* (Descr.) (v.c.35) **145** 46
Leucanthemum vulgare – Distribution in Scotland **145** 21
Leucosium aestivum – NWDC (v.c.27) **147** 49
Levisticum officinale (1st record v.c.58) **142** 44
 Lewis, Rohan – new VCR for S.E. Yorks. (v.c.61) **143** 57
Leycesteria formosa – considerable spread outside gardens **145** 56
Leycesteria formosa (Photo) **145** 56; (v.c.97, **104**) **141** 60
 – one of Plant Alert[†] top 10 recorded species in 2020 **144** 64
- Libertia formosa* (1st record v.c.35) **142** 63
Libertia peregrinans (Descr.) (v.c.17) **144** 52
Ligularia przewalskii (Descr.) (v.c.12) **141** 43
Ligusticum scoticum (Dun, v.c.110) **142** 60
 – *Aster tripolium* var. *condensatus* with, nr Dalbeg, Isle of Lewis (v.c.110) (Photo) **147** 62
- Ligustrum ovalifolium* – infested by *Viscum album* in v.c.24 **141** 20
- Lilium candidum* (Descr.) (1st record v.c.59) **143** 38
 – Hightown, v.c.59 (Photo) **143** 39
Lilium martagon (v.c.64) **141** 50, 51
Limbarda crithmoides – replaces *Inula crithmoides* in Stace 4 (Photo) **141** 12
- Limnanthes douglasii* – NWDC (v.c.27) **147** 48
Limonium binervosum agg., Penmon Point (v.c.52) (Photo) **146** 29
Limonium binervosum segregates – 8 taxa added to Red Data Waiting List (2019-2020) **147** 31
Limonium procerum – Calcareous concretion associated with, and storm damage resilience [Photos] **146** 29-30
 – colonies known for many years on the rocky coast of Anglesey (v.c.52) now det. as, **146** 29
 – colony, Porth Lleidiog [v.c.52], showing concretion and stages in regrowth following storm damage (Photos; plates 1-6) **146** 30, 31
- Limonium saxonicum* (*L. binervosum* subsp. *saxonicum*) – name updated in Red Data Waiting List (2019-2020) **147** 31
- Limosella aquatica* (Photo) (v.c.H33) **150** 46
- Linaria alpina* (v.c.71) (v.c.113) **141** 42
Linaria alpina ‘Alba’ (Descr.) (v.c.9) **141** 42
Linaria × dominii (v.c.95) **147** 62
Linaria maroccana (v.c.59) **148** 42
Linaria supina (v.c.44) **142** 62
Linaria vulgaris (Photo) (v.c.80) **142** 17, 18
 – archaeophyte colonizer of railway ballast in Scottish Borders **142** 17, 18, 19
 – history of distribution & status in Scottish Borders **142** 18-19
 – medicinal uses **142** 18
- Lines, Mr G. A. – report of death of **143** 67
- Linnaea borealis* (v.c.97) **148** 71
 – talk at Scottish Conference **143** 50
- Linum bienne* (v.c.8) **150** 65
 – dry calcareous grassland indicator species **148** 35
- Linum radiola* (v.c.98) **142** 59
- Lipandra* – splits from *Chenopodium* in Stace 4 **141** 12
Lipandra polysperma (v.c.21) **147** 43
Liparis loeselii – most northerly site in Britain (v.c.27) **143** 46-47
- Liriodendron tulipifera* – stipules particularly obvious **144** 28
- List of Members – available on BSBI website or by post **146** 58
 – no longer available due to GDPR **149** 55; **150** 73
 – updated each quarter posted on website **145** 58
- Listera nidus-avis* (v.c.H33) **150** 46
Lithospermum – splits to *Lithospermum*, *Aegonychon* & *Buglossoides* in Stace 4 **141** 12
Lithospermum arvense (Descr.) (v.c.H39) **143** 53
Lithospermum purpureocaeruleum (v.c.14) **141** 43
 Lizard (v.c.1) – Spring flowers at Mullion Cove, (Photo) **141** 40
- Llantrisant Common and Y Gweira, The Wild Plants of*, by David Barden **147** 60, (Rev.) 76-77
- Lobelia dortmanna* (v.c.H33) **150** 46
Lobularia maritima (Descr.) (v.c.14) **146** 40; (v.c.58) **147** 23
- Local Flora Groups – see BSBI website <https://bsbi.org/local-botany> **141** 59
- Locations for rare plants – should they be published **141** 23
- Locksley, Mrs A.R. – Report of death of **145** 75
- LOCKTON, ALEX – Rev. of *Heathland* (by Clive Chatters) **148** 84
- LOCKWOOD, PATRICIA, ET AL. – Changing status of *Scleranthus annuus* on the Sefton Coast, north Merseyside [Photos, Table] **142** 22-26
- Logfia* – splits from *Filago* in Stace 4 **141** 12
Logfia minima (v.c.48) **142** 63; (v.c.78) **147** 62; (1st record v.c.H8) **145** 66
- London Flora Project, The* **145** 38
 – pilot project methodology **149** 82
- London Natural History Society (LNHS) polygon recording project **145** 38
- LONG, MARIA – Country Roundups – Ireland [Photo] **141** 62-63
- Long, Maria – thanked for work as Ireland Officer **142** 64
- Long-standing Members (6 listed) **143** 58; (20 listed) **149** 55
- Lonicera xylosteum* (v.c.13) **141** 6
 – moved to Parking List in Red Data List (2017-2018) **141** 6
- Looking back with a Grimace **148** 89

- Looking Back with a Smile [Photo] **147** 79
- LORE (LOst Rarities in England) – detailed guidance on the BSBI England web page **150** 74
- Lotus* – has true, caducous, stipules **144** 29
– now includes *Tetragonolobus* & *Dorycnium* in Stace 4 **141** 13
- Lotus corniculatus* – Pseudostipules **144** 29
- Lotus dorycnium* (Descr.) (v.cc.15, 37) (1st Scottish record v.c.83) **143** 39; (v.c.83/84) **141** 60
- Lotus tenuis* (v.c.35) **146** 63
- Lousley, Ted – Letter & map re refinding *Carex filiformis* in 1st known location (v.c.7) (Illus.) **145** 24
- LOVATT, CLIVE – Contributions to a history of *BSBI News* Part I. Now we are 50: overview, changing appearance & access [Illus.], [Photos], [Table] **150** 3-7
- Lovatt, Clive – news of death of **150** 2, 7, (Biog) 84
- Luce, Mrs S.M. – Report of death of **148** 80
- Ludwigia* – potentially invasive aquatic plant **182** 4
- Ludwigia grandiflora*, An example of when it all goes wrong, Limoges, France (Photo) **142** 4
- Luma apiculata* (v.c.58) **150** 15
- Lupinus arboreus* Walberswick by Nicholas Barber (Alien) (Photo) **149** 85
- Lupinus arboreus* × *L. × regalis* (*L. arboreus* × *L. polyphyllus*) – Garden novelty (Descr.)(v.c.25) **142** 48, (Photo) 49
- Luronium natans* (Photos) (v.c.63) **143** 5-12
– strategies to conserve in Huddersfield Broad Canal **143** 7
- Luzula arcuata* (v.cc.96, 105, 106) **149** 65
- Luzula pilosa* (v.c.H16) **148** 74; (v.c.H16) **149** 69
- Luzula spicata* – An Cliseam (v.c.110) **146** 38
- Lycopodiella inundata* (Photo) (v.c.97) **149** 71
- Lycopodium annotinum* (v.c.98) **147** 62; (?1st records v.c.112) **149** 66
- Lycopodium clavatum* (v.c.42) **146** 64; **149** 63; (Photo) **141** 32; (v.c.47) **141** 62; (v.c.H33) **150** 48
- Lycopodium lagopus* (v.c.97) **148** 71
- Lynch, R. – *A field guide to the woodland and scrub of the Ballyhoura mountains* [Co. Limerick] (Rev.) **141** 77
- LYONS, MELINDA – *Mibora minima* (Early Sand-grass) on North Bull Island, Dublin [v.c.H21] – 2nd record for Ireland [Photos] **146** 17-20
- Lysichiton americanus* (Photo) **142** 3
– Invasive non-native plant **142** 4
– one of Plant Alert* top 10 recorded species in 2020 **144** 64
- Lysimachia* – now includes *Lysimachia*, *Glaux*, *Anagallis*, *Trientalis* & *Centunculus* in Stace 4 **141** 13
- Lysimachia arvensis* – new name for *Anagallis arvensis* ssp. *arvensis* in Red Data List (2019-2020) **147** 34
- Lysimachia arvensis* f. *carnea* (Descr.) (v.c.44) **145** 63
- Lysimachia europaea* (Descr.) **145** 26; (v.c.25) **146** 84; (Photo) (v.c.57) **145** 26, 27
– Distribution in UK and habitat **145** 26
- Lysimachia foemina* – new name for *Anagallis arvensis* ssp. *foemina* in Red Data List (2019-2020) **147** 34
- Lysimachia maritima* – NWDC (v.c.27) **147** 48, (Photo) 49
- Lysimachia minima* (Descr.) (v.c.96) **145** 14
– another roadside halophyte? [Chart, Graph, Maps, Photos, Tables] **145** 14-17
- Lysimachia tenella* (v.c.44) **146** 64
- Lysimachia thyrsoiflora* – Ashgrove Loch SSSI (v.c.75) **144** 42
- Lysimachia vulgaris* – recent archaeophyte in Scottish Borders **142** 17
- Lythraceae – stipules present or absent **144** 30
- Lythrum hyssopifolia* (Descr.) **146** 12, (v.c.12) **148** 67; (v.c.15) **145** 60; (v.c.23) **148** 67; (Photo) (1st recent record v.c.27) **146** 11, 12; **146** 61
– relies on traditional historical management and uses of ponds and ditches **148** 31
– Resurrection of a Norfolk [v.c.27] pond gem: Grass-poly, [Map] [Photos] **146** 11-14
- Lythrum portula* (v.c.87) **147** 62; (v.c.H28) **143** 53
– Ashgrove Loch near Stevenston, in North Ayrshire, with water-lilies and, in foreground (Photo) **144** 42
– Increasing as a naturalised species in v.c.81 **144** 23
- Mabberley, David J. & Barrie E. Juniper – *The Extraordinary Story of the Apple* (Rev.) **143** 74-75
- MACDONALD, IAIN – Robert Edwin Christopher (Chris) Ferreira (1931-2019) (Obit.) (Photos) **144** 75-76
- Machair, Floriferous, Eriskay [v.c.110] (Photo) **146** 35, 36
- Mackinnon, Jay, & Kathy Velandar – ‘Molly has hairy knees’ and other curious ways to remember plants [Illus.] **148** 63
- Magnolia* – stipules are Ochrea **144** 29
- Mahonia* × *wagneri* recorded instead of *M. × media* pre Stace 4 **141** 10
- Maianthemum bifolium* – Kenwood (v.c.21) 1852
herbarium specimen (Photo) **145** 38
- Malus domestica* – *Viscum album* host in v.c.25 **143** 26
- Malus* taxa – infested by *Viscum album*, v.c.24 **141** 19
- Malva arborea* (v.c.75) **144** 42
- Malva moschata* (v.c.75) **144** 42
– Increasing as a naturalised species in v.c.81 **144** 23
– sample image for AI id. (Photos) **144** 35
- Malva multiflora* (v.c.10) **148** 38
- Malva neglecta* (v.c.58) **147** 23
- Malva parviflora* (v.c.10) **148** 38
- Malva pusilla* (v.c.10) **148** 38
- Malva sylvestris* (v.c.21) **147** 43
– *Artemisia vulgaris* & *Hirschfeldia incana*; common plants in many of Middlesex’s [v.c.21] highly anthropogenic habitats (Photo) **145** 33
- Malva verticillata* (Descr.) **143** 43; (v.c.13) **145** 44; (v.c.17) **143** 43, **145** 44; (v.c.21) **143** 44
– alternative to spinach **145** 44
– Distribution in Britain; BSBI Distribution Database (Map) **143** 44
– in Surrey (v.c.17) ([Map] [Photos] **143** 43-44
- Malvaceae – Notable family with stipules **144** 30
- Malvastrum coromandelianum* – coco peat pot weed (Descr.) (v.c.29) **150** 70
- Map, Watershed, of the Isle of Wight, from Townsend, F. 1883. *The Flora of Hampshire including the Isle of Wight* (Map) **148** 29
- Mapping, Beyond.: the BSBI’s work on invasive non-native species [Photos] **142** 3-5
- Maps, paper, and compasses still essential **142** 39
- Maritime Drift Seeds – Declan Quigley now sole referee **141** 79
– John Edmondson retires as joint referee **141** 79
- Marrinan, Lauren, & Tim Rich – *101 Rare Plants of Wales* by, (Rev.) **145** 77-78
- Marrubium vulgare* (v.c.50) **142** 63
- Marsh Botany Award **147** 55

- MARSH, LOUISE – National Plant Monitoring Scheme - a brief note [Illus.] **147** 36
- Botanical Videos on BSBI's YouTube Channel **148** 61
 - *British & Irish Botany* **142** 77
 - BSBI Annual Exhibition Meeting 2019 **143** 56-57; 2020 **145** 3; 2021 **148** 59; **149** 56
 - BSBI's first Virtual Annual Exhibition Meeting [2020] (Rpt) **146** 58-59
 - Events **145** 57
 - New Year Plant Hunt 2020 **142** 78; 2021 **146** 58, **147** 56-57; 2022 **148** 60, **149** 56, (Graph) **150** 8-9
 - Opt in to our new Monthly Newsletter **146** 58
 - Supporting the next generation of botanists **149** 56
- Marsh, Louise – BSBI Conferences; Watch the videos on our YouTube Channel **147** 56
- New BSBI Fundraising Manager [Sarah Woods] **147** 54
- MARSH, LOUISE & JOHN NORTON – Spreading the word about BSBI **147** 56
- MARSH, LOUISE & IAN DENHOLM – *British & Irish Botany* **143** 4
- *British & Irish Botany* 2:1 **144** 65; 2:2 & 2:3 **145** 59; 2:4 Published **146** 60; 3:1 **147** 56; 3:2 **148** 61; 3:3 **149** 58-59; 3:4 & 4:1 **150** 75
- MARSH, LOUISE, & KEVIN WALKER – BSBI New Year Plant Hunt 2019 [Charts, Graphs, Maps, Photo, Table] **141** 14-18
- BSBI New Year Plant Hunt 2020 [Graph, Photo] **144** 3-4
 - The National Plant Monitoring Scheme: What's in it for BSBI Members? [Photo] **144** 69-70
- Marsilea hirsuta* (1st BI record v.c.38) **150** 54; (Photo) **154** 55
- MASHANOVA, ALLA – Using dash cams for recording plants on road verges [Maps] [Photos] **146** 31-33
- Mashanova, Alla, & Astrid Biddle join Ian Denholm as joint VCRs for (v.c.20) **147** 55
- MASKEW, ROGER – A revised dichotomous key to native and alien species of *Rosa* L. **150** 31-33
- William Aldred Thompson (1936-2019) (Obit.) **142** 66-67
- Matcham, Howard, with Rod Stern at *Hieracium* meeting on Portland in mid 1980s with Jim Bevan (Photo) **141** 69
- Matthiola sinuata* (v.c.9) **143** 45
- Matthiola sinuata* (v.c.H12) **142** 65
- MAX COLEMAN – Elm recording - a window of opportunity [Photos] **148** 23-24
- Maycock, Roy – retires as VCR for Bucks (v.c.24) (Biog.) **145** 58
- Mayfield, Enid – *Illustrated Plant Glossary* (Rev.) **150** 88
- Mazus pumilus* (Descr.) (v.c.64) **141** 46
- European records **141** 46
- Mazus radicans* **141** 46
- Mazus reptans* sold as a garden plant **141** 46
- McCosh, David & Timothy C.G. Rich – *Monograph of the British and Irish Hieracium section Foliosa and section Prenanθοidea* (Rev.) **148** 82
- McInery, Chris – *Ophrys apifera* talk at SAM **146** 67
- MCINTOSH, JIM – Beginner's Corner: Grid references and GPS [Fig., Photo, Table] **142** 38-39
- BSBI Photography Competition 2019 **141** 79-80; **142** 80; (2020) (Rpt) **146** 59-60; 2022 **149** 57
 - Scottish Botanists' Conference 2021 **148** 59
- MCINTOSH, JIM & IAN STRACHAN – Country Roundups – Scotland (Photos) **146** 65-67
- MCINTOSH, JIM, with STEPHEN BUNGARD – Country Roundups – Scotland [Photo] **141** 59-60
- McIntosh, Jim – *Phyllodoce caerulea* seed collected after 22.5 km hike (twice!) **142** 15
- McIntosh, Jim, & Sarah Watts monitoring *Melampyrum sylvaticum* by Loch Ossian, (v.c.97) (Photo) **148** 71
- McNEILL, DAVID – John Harron (1944-2020) (Obit.) (Photo) **147** 67-68
- MCNEILL, IAN – John Harron - a personal appreciation (Obit) **147** 68-70
- McNeill, Ian – to retire as VCR for Tyrone **H36** **145** 58
- McVeigh, Andy – retires as VCR for Bucks (v.c.24) (Biog.) **145** 58
- McVeigh, Andy & Tim Rich *Gentians of Britain and Ireland* (Rev.) **143** 68-69
- Medicago* – Yellow-flowered trefoils and medicks - a guide to our commoner native species [Photos] **149** 42-43
- Medicago arabica* (Descr.) (Photos) **149** 43
- recent increase in numbers (v.c.21) **145** 36
- Medicago arabica* 'Early Giant' (Photo) (v.c.63) **148** 42, 43; (v.c.64) **148** 43
- Medicago lupulina* (Descr.) (Photos) **149** 43; (v.c.58) **147** 24; (v.c.98) **142** 59
- Medicago minima* – Mile End Park (v.c.21) **145** 36
- Medicago polymorpha* (Descr.) **149** 43
- Medicks [*Medicago*], Yellow-flowered trefoils [*Trifolium*] and, - a guide to our commoner native species [Photos] **149** 42-43
- Mediterranean, Field Guide to the Orchids of Europe and the*, by Rolf Kuhn, Henrik Pedersen & Phillip Cribb (Rev.) **143** 70-71
- Mediterranean, Flora of the*, with California, Chile, Australia & South Africa - An Illustrated Guide by Christopher & Başak Gardner (Rev.) **144** 80
- MEETINGS **148** 59
- Meetings and Communications Committee [Notes from] **141** 78-79
- Meetings indoors still held online and now on BSBI website **150** 2
- MEETINGS REPORTS **143** 54-57
- Meikle, Robert Desmond, OBE, LLB (1923-2021) (Obit) (Photo) **149** 72-75
- Report of death of **147** 72
- Melampodium* – sold as *Sanvitalia procumbens* **141** 13
- Melampyrum arvense* (v.c.10) **148** 65
- Melampyrum cristatum* (v.c.26) **142** 57
- Melampyrum pratense* (v.c.21) **145** 37; (v.c.97) **145** 65
- not refund in v.c.38 in 2020 **145** 61
- Melampyrum pratense* ssp. *commutatum* (v.c.17) **148** 67
- Melampyrum sylvaticum* (v.c.96) **149** 65; (v.c.97) **145** 65, **149** 71
- Sarah Watts & Jim McIntosh monitoring, by Loch Ossian, (v.c.97) (Photo) **148** 71
- Melica nutans* (v.c.48) **143** 49; (v.c.97) **145** 65
- Melilotus* spp. – Typical paired stipules linear **144** 28
- Melilotus albus* (v.c.17) **148** 45
- Melilotus indicus* (Photo) (v.c.59) **149** 4
- Melittis melissophyllum* (v.c.45) **147** 60
- MEMBER NOTICES **144** 70; **146** 60; **149** 59; **150** 77
- Members details – how to request information **150** 73
- Members, Long-standing (6 listed) **143** 58, (20 listed) **149** 55

- Members, List of, – not available due to GDPR **150** 73
 Members' Access to the BSBI's Distribution Database **147** 54-55
- Membership **149** 55
 – address changes, details needed **149** 55
 – and Payments **145** 3
 – full customs labels obligatory on all overseas mailings **149** 55
 – how to apply for details of other members **149** 55
 – October campaign brought in 200+ new members **149** 55
- Membership Secretary, From the, **143** 3; **146** 58; **150** 73
- Mentha aquatica* (v.c.63) **143** 8
Mentha arvensis (v.c.35) **142** 63
Mentha cervina (Descr.) (v.c.62) **143** 48
 – location corrected to Chorlton v.c.58; (v.c.62) **146** 40
Mentha pulegium – growing in pavement (Photo) **142** 32
 – protected by Schedule 8 of the Wildlife and Countryside Act **142** 32
- Mentha × villosonevata* (1st confirmed record v.c.14) **150** 53
- Mercurialis annua* (v.c.21) **147** 43
Mercurialis perennis (v.c.64) **141** 51
- Merryweather, Dr James – awarded 2021 Presidents Prize for *Britain's Ferns* **148** 2
 – *Britain's Ferns*. A Field- guide to the Clubmosses, Quillworts, Horesetails and Ferns of Britain and Ireland by, (Rev) **146** 77
- Merseyside (v.c.59) – Exceptional diversity of strandline plants at Ainsdale-on-Sea [Graphs] [Photos] [Tables] **149** 3-10
- Mertensia maritima* – Ballantrae (Photo) (v.c.75) **144** 42
Metasequoia glyptostroboides (v.c.46) **141** 61
- METHERELL, CHRIS – From the President **142** 2
 Metherell, Chris – thanked for his time as President **143** 2
 – hands over Presidency to Lynne Farrell in 2019 **142** 2
- METHERELL, HAZEL – Beginner's Corner: Starting with buttercups [Photos] **144** 48-49
 – Beginner's Corner – How to speak fern [Illust., Photos] **141** 36-37
 – When is a Dandelion not a Dandelion? (A beginner's guide to yellow composites) [Photos] **147** 37-39
- Metricated?, Should vice-counties be **145** 84
 Metrication [of vice-county boundaries] – pros & cons! **146** 83-84; More on, **146** 83-84
- Mhic Daeid, Dr Caroline – 2nd place winner of BSBI Direct Debit competition (Biog.) **141** 80
- Mibora* searcher at Newborough Warren [v.c.52] (Photo) **148** 12
- Mibora minima* (Descr.) **146** 17; **148** 10, 15, 16; (Photos) **146** 17, 18; **148** 10, 11, 15, 16, 17, 18; (v.c.41, 52) **146** 19, **148** 10; (v.c.59) **146** 19, **148** 16, (v.c.110) **146** 19, 36; (v.c.113) **146** 19; (v.c.H3, H21) **146** 17
 – BI plants examined all within range of ssp. *minima* **149** 15
 – Comparison of plant communities in BI **146** 19
 – Native status and, [Photos] **148** 10-14
 – North Bull Island, Dublin [v.c.H21] – 2nd record for Ireland [Photos] **146** 17-20
 – North Bull Island (v.c.H21), 28 named associates **146** 17
 – North Bull Island (v.c.H21) description of main colony, **146** 18; **148** 15
 – origin of Dublin site (v.c.H21) discussed **148** 12
- Mibora minima pallida* form (v.c.52, 59) (Descr.) **148** 16
 – 'f. *pallida* name pending' **148** 17
- Mibora minima* ssp. *littorea* (Descr.) **148** 15
 – confined to NW Iberian Peninsula **148** 17
 – v.c.52 & v.c.110 plants considered similar to, **149** 15
- Mibora minima* ssp. *minima* (Descr.) **148** 15
 Micheline Sheehy Skeffington – elected President-elect **149** 2
- Micranthes nivalis* (v.c.104) **143** 40
Micranthes stellaris (v.c.47) **141** 31, (Photo) 32; (Photo) (v.c.110) **146** 38; (v.c.H12) **146** 68
- Microspecies – approach for *Ulmus* compared with taxonomy of *Salix* **150** 23
 – concept should be limited to agamospermous or autogamous groups **150** 23
 – *Ulmus* – reasons for sterility, 5 listed **150** 23
- Microstegium vimineum* – potential invasive non-native sp. **142** 4
- Middleton, Richard, & Peter Cook – retire as VCRs for S.E. Yorks. (v.c.61) (Biog.) **143** 57
- MILES, CHRIS – BSBI's Head of Operations Moving on **146** 59
 – From the Board of Trustees **141** 78
 – Outgoing Treasurer **145** 57-58
 – Subscription Rates **143** 3
- MILES, CHRIS, LYNNE FARRELL & JANE HOULDSWORTH – BSBI's Future – Where we are going and how we will get there **145** 4
- Miles, Stephanie, [MSB] Project co-ordinator, collecting *Eriocaulon aquaticum* (Pipewort) in Scotland in 2018 (Photo) **142** 14
- MILLARD, ANDY – Phyllis Patricia Abbott (1936-2021) (Obit) (Photo) **150** 78-80
- Millennium Seed Bank – UK Flora Project (2015-2019), Banking the UK's seeds (Photos) **142** 14-16
 – Project co-ordinator Stephanie Miles collecting *Eriocaulon aquaticum* (Pipewort) in Scotland in 2018 (Photo) **142** 14
- MILLER, NICK – Non-native Invasives **142** 79
- MILLS, DAPHNE, ET AL. – *Serapias vomeracea*: first wild record for Britain and Ireland [v.c.15] [Photos] **146** 7-10
- MILNE, RICHARD – A super problem with the naming of British Rhododendrons [Map] [Photo] **146** 52-55
 – The tropical flora of Britain 2: a community of naturalised glasshouse weeds exists in Edinburgh, but how should we record them? [Photos] **145** 49-51
- Milne-Redhead, Edgar – key figure in post-war conservation work **147** 3
- Mind the gap – Plant knowledge between BSBI & general public **142** 13
- Minuartia* – splits to *Sabulina* and *Cherleria* in Stace 4 **141** 12
- Minuartia verna* – Grey Hills SWT Reserve (v.c.75) **144** 43
- Mirabilis jalapa* (Descr.) (1st record v.c.4) **147** 40
Miscanthus × giganteus (Descr.) (1st record v.c.6) **150** 51
Misopates orontium (v.c.11) **149** 38
- Mistletoe – a good local survey species in winter **150** 2
- Mitchell, Mr J. – Report of death of **142** 69
- Mitchell, Mr R.J. – congratulated on 60 yrs membership **149** 55
- Mitella ovalis* (1st record v.c.4) **142** 41; v.c.64 (Photo) **141** 45; (v.c.64, 67, 104, 105) **141** 46
 – trending alien **142** 40

- Mnemonics – ‘Molly has hairy knees’ and other curious ways to remember plants [Illus.] **148 63**
- examples sought for online resource **148 63**
 - *Quercus* (Illus.) **148 63**
- Modiola caroliniana* (Descr.) (v.c.57) **145 47**
- Moir, Marion – becomes sole VCR for v.c.82 **149 58**
- new joint VCR in E. Lothian (v.c.82) (Biog.) **143 58**
- Molecular systematics – DNA ‘barcodes’ described **145 12**
- DNA sequencing described **145 11**
 - Hand-held DNA sequencer **145 12**
 - Residual myths in, [Photos, Molecular Trees for *Anacamptis* & *Ophrys*] **145 5-13**
- Mollugo nudicaulis* – coco peat pot weed (Descr.) (?1st record BI, v.c.29) **150 70**
- Monksilver Nursery, Cottenham, (v.c.29) (Photo) **150 70**
- ‘Molly has hairy knees’ and other curious ways to remember plants [Illus.] **148 63**
- Monograph of the British and Irish Hieracium section Foliosa and section Prenanthoidea* (by Timothy C.G. Rich & David McCosh) (Rev.) **148 82**
- Monophyletic & paraphyletic grouping explained **141 11**
- Monophyletic groups (Descr.) **145 6**
- Monotropia hypopitys* (v.c.H33) **150 46**
- Montgomery, Archibald Sim (1843-1922) (Biog.) (Photo) **143 31**
- Botanical activities and collections **143 31-32**
 - his herbarium [Photos] **143 31-32**
- Monthly Newsletter, Opt in to our new, **146 58**
- Morphology and Identification of the World's Conifer Genera* by V. M. Dörken & H. Nimsch (Rev.) **143 73-74**
- Mountain Flowers, Identify, of Britain and Ireland* by Alan R. Walker (Rev.) (Illus.) **142 72**
- downloadable PDF **150 89**
- MSB (Millennium Seed Bank) **142 14**
- Mulberry* by Peter Coles (Rev.) **145 80**
- Mulcahy, Hannah – trainee VCR for Clare (v.c.H9) with Phoebe O'Brien & Donncha Ó Catháin & **145 58**
- Murder Most Florid: Inside the Mind of a Forensic Botanist* by Mark A. Spencer (Rev.) **145 78-79**
- Murdoch, Pam – retires as joint VCR for for Dunbartons (v.c.99) (Biog.) **141 79; 143 58**
- Muscari armeniacum* ‘Blue Spike’ (Descr.) (Photo) (v.c.9) **142 40, 41**
- Muscari comosum* ‘Plumosum’ (Descr.) (v.c.14) **142 42**
- Museum, Whitby, – Botany class at the, (Photo) **144 31**
- Herbarium sheets of *Ranunculus acris* & *Capsella bursa-pastoris* (Photo) **144 32**
- Musgrave, Toby – *The Multifarious Mr Banks: from Botany Bay to Kew, the Natural Historian Who Shaped the World* by (Rev.) **147 75**
- Mycelis muralis* (v.c.87) **147 60; (v.c.97) 145 64; 147 60**
- Mycoheterotrophy – plant’s ability to obtain carbon from fungi **146 23**
- Myosotis alpestris*, Ben Lawers (Photo) **150 [90]**
- Myosotis* × *bollandica* (*M. secunda* × *M. stolonifera*) (v.c.67) **145 61**
- Myosotis micrantha* Pall. – synonym of *M. stricta* **141 8**
- Myosotis scorpioides* (v.c.63) **143 8, 11; (v.c.H22) 144 17; (v.c.H28) 143 53**
- Myosotis stolonifera* (v.c.67) **145 61; (v.c.72) 148 70**
- Myosotis stricta* (Descr.) (Phenology) **141 8-9; (v.c.65, 69) 141 8**
- added to Red Data List (2019-2020) **147 28**
 - likely native and overlooked forget-me-not in Britain [Photos] **141 8-9**
- Myosurus minimus* (Mousetail) (Photo) **143 46; 148 27; (v.c.10) 148 27; (v.c.16) 148 66; (v.c.32) 148 67; (v.c.70) 143 46**
- Myriophyllum* – potentially invasive aquatic plant **182 4**
- Myriophyllum aquaticum* – Non-native Species Secretariat (NNSS) – screengrab **150 63**
- Scottish records sought **150 63**
- Myriophyllum heterophyllum* – potential invasive non-native sp. **142 4**
- Myrrhis odorata* (Descr.) (Photo) (v.c.80) **148 6, 7**
- Leaf phenology survey (v.c.80) **148 7**
 - Phenology of three umbellifers: *Anthriscus sylvestris* & *Heracleum sphondylium* (Graph) **148 8**
 - Regrowth of, *Anthriscus sylvestris* & *Heracleum sphondylium* (Graph) **148 8**
- Myths, Residual, in molecular systematics [Photos, Molecular Trees] **145 5-13**
- Nagle, Mrs M., – Report of death of **148 80**
- Najas flexilis* – South Uist (v.c.110) **146 36**
- Najas marina* (Global Dist.) (Norfolk Broads) (v.c.13, 14) **144 71; (v.c.27) 146 11**
- on MSB wanted list (storage problem) **142 15**
- Narcissus pseudonarcissus* (Photo) (v.c.47) **141 31; (v.c.64) 141 51**
- Nassella neesiana* – potential invasive non-native sp. **142 4**
- Nasturtium officinale* (v.c.63) **143 6, 8**
- National Biodiversity Data Centre (NBDC) **146 68**
- online submission form **146 68**
 - over 42,000 plant records in 2020 **146 68**
- National Plant Monitoring Scheme [NPMS] – brief note [Illus.] **147 36**
- data incl. as ‘Official Statistic’ in indicator for Plants of the Wider Countryside **147 36**
 - descriptions of work **144 69**
 - key project for BSBI **144 67**
 - Species lists and interactions [Descr.] [Photos] **148 35-36**
 - What’s in it for BSBI Members? [Photo] **144 69-70**
- National *Taraxacum* collection in the Welsh National Herbarium in 2007 with Tim Rich (Photo) **149 25**
- Native plants (Some) far bigger menace to native flora than aliens **142 6**
- Natural Awakenings: Early Naturalists in Lakeland* by Ian D. Hodgkinson (Rev.) **144 83-84**
- Natural History, Ecology and*, (by David M. Wilkinson) (Rev.) **149 77-78**
- Natural regeneration approach to wild flower meadow creation results in the appearance of *Helosciadium repens* in West Suffolk [v.c.26] [Photos] **146 3-6**
- Naturalist's guide to the wild flowers of Britain and Northern Europe* 2nd edition by Andrew Cleave (Rev.) **141 77**
- Nature, Driven by*, (by Peter H. Raven) (Rev.) **148 86**
- Nature for the visually-impaired (Exbt 2019) **143 56**
- Naturetrek – Advert **141 82; 142 82; 143 80**
- Nederland, Heukels' Flora van*, (24th edition) by H. (Leni) Duistermaat (Rev.) **145 79-80**
- NELSON, E. CHARLES – Rev. of *Vickery's Folk Flora: An A-Z of the Folklore and Uses of British and Irish Plants* by Roy Vickery) **143 72-73**
- Nemesia denticulata* (v.c.40) **147 45**

- Nemophila maculata* (Descr.) **145** 45
Nemophila menziesii (Descr.) **145** 44; (Photo) (v.c.9) **148** 37; (1st record v.c.14) **145** 44
Neotinea maculata (1st records v.c.H28) **145** 66; (Photo) (v.c.H33) **150** 48
Neotinea ustulata – Pewsey Downs (NNR) (v.c.7) **142** 35
Neottia cordata (v.c.50) **145** 64; (v.c.75) **144** 43; (v.c.112) **149** 66; (v.c.H6) **148** 74; (v.c.H20) **148** 73
Neottia nidus-avis (v.c.49) **148** 70; (v.c.62) **145** 61; (v.c.67) **145** 61; (v.c.81, last previous record 1985) **144** 22; (v.c.H16) **149** 69; (v.c.H39) **145** 66
Neottia ovata (v.c.35) **148** 68; (v.c.48) **148** 69; (v.c.112) **149** 67
 Neptune Balls – produced by *Posidonia oceanica* **141** 26
Nerine bowdenii (Descr.) (1st record v.c.11) **148** 39
 Net Zero de-carbonisation by 2050 in UK; implications for tree planting **150** 40
New Flora of Devon available online **147** 58
New Flora of the British Isles, ed. 4 (Stace, 2019) **141** 10; [Table] **148** 62
 – 2 A4 pages of reprint corrections available **142** 32
 – 3 classes of name change (Table) **148** 62
 – Birth and Evolution of the, (Talk at AEM 2019) **143** 56
 – details on correction sheets to 4th edn **148** 62
 – inevitable name changes between 1st & 4th edn **148** 62
 – rate of changes btwn 1st & 4th edns quantified (Table) **148** 62
 New Year Plant Hunt 2019 – (Charts, Graphs, Maps, Photo, Rpt, Table) **141** 14-18, 61, 62
 New Year Plant Hunt 2020 – (Graph, Photo, Rpt) **144** 3-4, 72, 78, 85; **145** 57; **147** 63
 New Year Plant Hunt 2021 **146** 58; (Rpt) **147** 56-57, 60
 New Year Plant Hunt 2022 **148** 60; **149** 56; (Graph, Rpt) **150**, 8-9
 Newbert, Katherine, joins Richard Aisbitt as joint VCR for v.cc.7&8 **149** 58
 Newsletter, Opt in to our new Monthly, **146** 58
 NHBS – Advert **141** 81
 Nicholls, Steve, – *Flowers of the Field: A Secret History of Meadow, Moor and Wood* by, (Rev.) **145** 77
 NIGHTINGALE, TINA & DAVID PEARMAN – Marjorie Netta Blamey MBE (1918-2019) (Obit.) [Photo] **143** 59-61
 Nimsch, H. & V. M. Dörken – *Morphology and Identification of the World's Conifer Genera* (Rev.) **143** 73-74
Nitella opaca – Norfolk Ponds Project (v.c.27) **146** 11
Noccea caeruleascens (v.c.49) **146** 64
Nonea lutea (1st record v.c.35) **142** 63, **146** 44; (Photo) (1st record v.c.38) **142** 44, **146** 44
 Non-native / alien taxa – increased greatly in the past sixty years **142** 7
 Non-native Invasives **142** 79
 Non-Native Species – Early warning and surveillance **142** 3
 – Future invasive taxa **142** 4
 – Information Portal, GB, (GB NNSIP) **142** 3
 – Secretariat, GB, (NNS) **142** 3
 – Secretariat (NNS) – *Myriophyllum aquaticum* screengrab **150** 63
 Non-native taxa – account for c.2% of the vegetation cover British countryside **142** 7
 Norfolk Ponds Project (NPP) **146** 11
North Face Survey, The. Discovering the Hidden Side of Ben Nevis, by Iona Skyring (ed.) (Rev.) **144** 81-82
 North Walsham and Dilham Canal [NWDC] – a fruitful place for adventives and aliens [Photos] [Table] **147** 48-50
 – Effects of management on habitats **147** 48
 North York Moors [v.c.62], Discovery of *Diphasiastrum alpinum* in the, after a 33-year gap in recording [Photos] [Tables] **50** 37-39
 NORTHBRIDGE, ROBERT – Introducing my Vice-county – Co. Fermanagh (v.c.H33) (Recorders: Robert Northridge & Ralph Forbes) [Photos] **150** 45-49
 – Records & Research Committee (R&R) **144** 66
 Northridge, Robert – retires as VCR for Cavan (v.c.H30) **145** 58
 NORTHBRIDGE, ROBERT, & KEVIN WALKER – BSBI Post-atlas 2020 projects **144** 67-68
 NORTON, JOHN – Editorial **143** 2; **144** 2; **145** 2; **146** 2; **147** 2; **148** 2; **149** 2; **150** 2
 – Yellow-flowered trefoils and medicks - a guide to our commoner native species [Photos] **149** 42-43
 Norton, John – takes over as Editor of *BSBI News* **142** 2
 NORTON, JOHN & LOUISE MARSH – Spreading the word about BSBI **147** 56
 NORTON, MARGARET & JEREMY ROBERTS – *Calamagrostis purpurea* (Scandinavian Small-reed) in Co. Meath (v.c.H22) first report from Ireland [Photos, Tables] **144** 16-19
 NORTON, TRISTAN – Some interesting plant records from a Winchester allotment [v.c.11] [Photos] **149** 38-41
 NOTES **141** 78-80; **142** 76-78; **143** 76-78; **143** 57-58
Nothofagus dombeysi (v.c.9) many seedlings from planted trees **143** 34
Nothoscordum borbonicum (v.c.6) **144** 50
 NOTICES **145** 57-59; **146** 58-60; **147** 54-57; **148** 59-61; **149** 55-59; **150** 73-77
Nouvelle Flore Illustrée des Pyrénées by Marcel Saule (Rev.) (Photo) **141** 76-77
 Novelties in your garden [Photo] **142** 48-49
 NPMS (National Plant Monitoring Scheme) (Photo) **144** 69-70
 – volunteers, Dr Oli Pescott and, at our recent quality assurance event (Photo) **148** 35
Nuphar lutea (v.c.75) **144** 42; (v.c.H33) **150** 45
Nymphaea alba (v.c.75) **144** 42; (v.c.H33) **150** 45
Nymphoides peltata (v.c.63) **143** 8, 11
 – with *Azolla filiculoides*, Huddersfield Broad Canal (Photo) **143** 6
 Ó Catháin, Donncha – trainee VCR for Clare (v.c.H9) with Phoebe O'Brien & Hannah Mulcahy **145** 58
 O'Brien, Donough, John Akeroyd & Liz Cowley – *Plants & Us. How They Shape Human History and Society* (Rev.) **149** 80-81
 O'Brien, Phoebe – trainee VCR for Clare (v.c.H9), with Donncha Ó Catháin & Hannah Mulcahy **145** 58
 O'REILLY, JOHN – Rev. of *Illustrated Plant Glossary* (by Enid Mayfield) **150** 88
 O'Reilly, John – Teesdale Red Sike survey area showing results for *Antennaria dioica* (Maps) **144** 46
 O'REILLY, JOHN, with MARGARET BRADSHAW – Teesdale and its flora: a climate change laboratory [Maps, Photos] **144** 45-47
 Oakes, Mr M.M. – congratulated on 60 yrs membership **149** 55

OBITUARIES **141** 64-75; **142** 66-69; **143** 59-67; **144** 75-77; **145** 67-75; **146** 69-76; **147** 64-72; **148** 75-80; **149** 70-75; **150** 78-84

Obituary – Abbott, Phyllis Patricia, (1936-2021) (Photo) **150** 78-80

- Ballantyne, George Hodge (1934-2020) (Photos) **146** 69-72
- Barber, Martin John (1954-2019) (Photo) **145** 66-69
- Benoit, Peter Michael (1931-2021) (Photo) **147** 64-67
- Blamey, Marjorie Netta, MBE (1918-2019) (Photo) **143** 59-61
- Butler, Joseph Kenneth, (1939-2017), (Photo) **141** 64-66
- [Cragg]-Barber, Martin John (1954-2019) (Photo) **145** 66-69
- Crompton, Gigi (1922-2020) (Photos) **145** 69-73
- Dunn, Anita Jo, MBE (1920-2020) (Photo) **146** 72-74
- Ferreira, Robert Edwin Christopher (Chris) (1931-2019) (Photos) **144** 75-76
- Gent, Gillian Margaret, (1927-2018) (Photo) **141** 67-68
- Harron, John, (1944-2020) (Photo) **147** 67-68
- Harron, John – a personal appreciation **147** 68-70
- Hill, Alan George, (1935-2019) (Photo) **143** 62-63
- Horsfall, Anne (1927-2021) (Photo) **149** 70-72
- James, Trevor John (1947-2020) (Photo) **148** 75-77
- Jones, Vincent, (1947-2020) (Photo) **146** 75-76
- Leonard, Yvonne June, (1940-2021) (Photo) **158** 80-81
- Meikle, Robert Desmond, OBE, LLB (1923-2021) (Photo) **149** 72-75
- Oswald, Philip Harrison (1933-2021) (Photo) **148** 77-80
- Palmer, John Robin (1931-2019) **143** 63-64
- Perring, Margaret Dorothy, (1933-2020) (Photo) **145** 74-75
- Robson, Norman Keith Bonner, (1928-2021) (Photo) **150** 81-83
- Ryves, Thomas Bruno OBE (1930-2019) (Photo) **143** 65-67
- Savidge, John Peter, (1933-2021) (Photo) **150** 83-84
- Shaw, Michael Maurice (1949-2020) (Photo) **147** 70-72
- Stern, Roderick Carter, (1928-2019) (Photo) **141** 68-70
- Thompson, William Aldred (1936-2019) **142** 66-67
- Wilmore, Geoffrey Thomas Duerden, (1941-2018) (Photo) **141** 71-74
- Wilson, Robert, (1943-2018) **141** 74-75
- Wood, Jeffrey James (1952-2019) (Photo) **142** 67-68

OBITUARY NOTES **141** 75; **142** 68; **143** 67; **144** 76-77; **145** 75; **146** 76; **147** 72; **148** 80; **149** 75; **150** 84

Observations, Some, on leaf phenology [Graphs] [Photo] **148** 6-9

Oenanthe aquatica (v.c.35) **142** 63; (v.c.27) **146** 11

Oenanthe crocata (v.c.63) **143** 6, 8, 10, 11

Oenanthe fistulosa (v.c.7) **142** 36; (v.c.47) **146** 64; (v.c.H33) **150** 46

Oenanthe fluviatilis (v.c.8) **142** 36

Oenanthe javanica (Descr.) (v.c.17) **144** 51

Oenanthe javanica ‘Flamingo’ (Descr.) **144** 51

Oenanthe pimpinelloides (Descr.) **148** 68; (1st ‘wild’ record v.c.23) **148** 67; (v.c.35) **148** 68

Oenothera rosea (Photo) (v.c.17) **144** 51

Oenothera stricta (v.c.9) **143** 45; (v.c.27) **147** 44; (Photo) (v.c.31) **146** 44, 45; (v.c.50) **145** 64; (v.c.50) **146** 64

Olearia solandri (v.c.52) **143** 50

Ollerton, Jeff – *Pollinators & Pollination: Nature and Society* by, (Rev.) **147** 77-78

Oloptum miliaceum (v.c.14) **143** 35

Omalothea – splits from *Gnaphalium* in *Stace 4* **141** 12

Omalothea norvegica (v.c.96) **149** 65

Omalothea sylvatica (v.c.70) **149** 62

Online data entry system – will allow direct entry of records onto the Ddb **142** 2

Online training courses in 2020 **145** 57

Ophioglossum azoricum (v.c.45) **141** 62; (v.c.H34) **142** 64

Ophioglossum vulgatum (v.c.7) **142** 36; (v.c.32) **145** 60; (Photo) (v.c.66); **146** 21, 22; (Photo) (v.c.75) **144** 44; (v.c.96) **142** 59; (v.c.110) **142** 60

- Adder’s-tongue Dispersal [Poem] **147** 80
- associates, Bishop Auckland (v.c.66), 25 named **146** 21
- dispersal by natural colonisation in lawns most likely in northern areas **147** 80
- Mystery of Adder’s-tongue, in Bishop Auckland [v.c.66] [Photos] **146** 21-24

Ophrys – Molecular systematics (Fig. 2, 3, 4) **145** 8, 9, 10

Ophrys apifera (Photo) **145** 5; (v.c.49) **146** 64; (v.c.75) **144** 44; **146** 67; (1st record v.c.77) **144** 73; (v.c.101) **144** 73, **148** 72; (v.c.81) **144** 22; (v.c.H2, H5, H6) **145** 66

Ophrys apifera var. *atrofusca* (v.c.H6) **145** 66

Ophrys insectifera – Harefield (v.c.21) pre-20th C. **145** 37

Ophrys tenthredinifera – on Red Data Waiting List **141** 5

Orbell, Roger, with Peter Walker & Barry Dickerson – *The Orchid Flora of Huntingdonshire and the Soke of Peterborough* (Rev.) **143** 71-72

Orchid field guide, preview of forthcoming (Exbt 2019) **143** 56

Orchid Flora of Huntingdonshire and the Soke of Peterborough, The, by Peter Walker, Barry Dickerson & Roger Orbell (Rev.) **143** 71-72

Orchid records [survey] – An exploration of, in the BSBI database in four regions of the British Isles [Graphs] [Photos] [Tables] **149** 16-22

Orchid rich limestone grassland overlooking Lough Macnean with Cuilcagh in distance [v.c.H33] (Photo) **150** 48

Orchidaceae – Referee Dr Ian Denholm has new address **142** 80

Orchids and broomrapes, New, - remarkable botanical finds in Berwickshire (v.c.81) 2014-2019 [Map, Photos, Table] **144** 21-24

Orchids of Europe and the Mediterranean, Field Guide to the, by Rolf Kuhn, Henrik Pedersen & Phillip Cribb (Rev.) **143** 70-71

Orchids, Britain’s. A Field Guide to the Orchids of Great Britain and Ireland by Sean Cole & Mike Waller (Rev.) **147** 73-74

Orchids, Secret sex life of anthropomorphic, (Exbt 2019) **143** 56

Orchis militaris (v.c.20) **142** 58; (v.c.21) pre-20th C. **145** 37

Orchis morio (v.c.75) **146** 67

Orchis simia (?1st record v.c.13) **148** 66

Oreopteris limbosperma (v.c.H31) **142** 65

- not refunded in v.c.38 in 2020 **145** 61

- Ornithogalum pyrenaicum* – woodland (v.c.7/8) **142** 37
Ornithopus perpusillus (v.c.7) **142** 37; (v.c.35) **146** 63; (v.c.59) **142** 23
Orobancha alba (1st record v.c.81) **144** 22; (v.c.H39) **145** 66
Orobancha crenata by David Steere – entry for 2020 Photographic Competition (Photo) **146** 86
Orobancha elatior (v.c.8) **150** 65
Orobancha hederæ (v.c.49) **145** 63
 – the only rare species recorded in Wirral garden (v.c.58) **150** 11
Orobancha minor (v.c.44) **146** 64; (recent colonist in v.c.81) **144** 22
Orobancha minor var. *heliophila* in Bishop Auckland [v.c.66] 2019-2020; observations on the invasion of an alien holoparasite [Photos] **147** 19-21
Orobancha minor var. *heliophila* – Records for County Durham (Photos) (v.c.66) **147** 21-22
 – with host *Brachyglottis* × *jubar* in car park, Bishop Auckland [v.c.66], (Photo) **147** 19
Orobancha rapum-genistae (v.c.4) **145** 61; (v.c.42) **142** 62; (v.c.H12) **146** 68
Orobancha reticulata (v.c.65) **146** 63
Orontium aquaticum – invasive risk assessment available on line **142** 5
Orthilia secunda (v.c.42) **145** 62; (v.c.H33) **150** 49
 OS map and a GPS device, Checking out a grid reference using an, (Photo) **142** 39
 OS Maps – Smartphones, GPS units **142** 39
Osmunda regalis (v.c.35) **145** 62; (v.c.47) **141** 34; (v.c.57) **146** 62
 OSWALD, PHILIP – A puzzling unrecorded herbarium and some related mysteries **148** 31-34
 Oswald, Philip Harrison, (1933-2021) (Obit.) (Photo) **148** 77-80
 – at Arthur’s Meadow, Hunts (Photo) **148** 77
 – Report of death of **148** 34, 80
Oxalis, A new identity for a naturalised Chilean, **146** 55-56
Oxalis exilis (v.c.98) **142** 59
Oxalis megalorrhiza – discussion re source & re-naming **146** 55-56
 – earliest name for BI is *O. mirbelii* **146** 55
 – naturalised indoor tropical weed (v.c.83) **145** 51
Oxalis mirbelii – discussion re source & naming **146** 55-56
 – earliest name for BI replacing *O. megalorrhiza* **146** 55
Oxalis tetraphylla, Newhaven, v.c.14 (Photo) **141** 43
Oxalis tetraphylla ‘Iron Cross’ (Photo) **143** 38; (v.c.14) **141** 43; (v.c.59) **143** 38
 Oxenford, Mr J.D. – Report of death of **150** 84
 Oxford Junior Dictionary removes ‘catkin’ & ‘acorn’ (Plant blindness) **142** 13
 Oxfordshire LCR – digitised master cards from 1998 *Flora of Oxfordshire*, to be transferred to DDb **147** 59
Oxybasis – splits from *Chenopodium* in Stace 4 **141** 12
Oxybasis glaucum (v.c.35) **142** 63
Oxybasis urbica (v.c.10) **148** 38
Oxydendrum arboreum (Descr.) (v.c.11) **141** 43
Oxyria digyna (v.c.H1) **149** 68
Oxytropis halleri (v.c.108) **144** 14
 – thriving on the ‘Arctic Fringe’ [v.c.109] (Photo) **144** 15
Pachyphragma macrophyllum (v.c.64) **143** 38
 PAGE, CHRIS – Rev. of *Britain’s Ferns*. A Field-guide to the Clubmosses, Quillworts, Horesetails and Ferns of Britain and Ireland by James Merryweather **146** 77
Painting More Than Just the Flowers, The Whole Story. by Christina Hart-Davies (Rev.) **147** 78
 Palmer, John Robin (1931-2019) (Obit.) **143** 63-64
 – Report of death of **142** 69
Pancreatium maritimum (Descr.) **143** 45; (Photo) (v.c.1) **143** 45; **150** 66, 67; (v.c.3) **150** 66; (Photo) (v.c.9) **143** 45; **150** 66; (v.c.41) **150** 66
 – detailed summary of its GB 5 sites **150** 66-67
 – Discussion re inclusion in Red Data List **150** 68
 – Status of, in Britain and Ireland (Photo) **150** 66-68
 Panel of Referees – Changes to Arrangements for the, **147** 55
 – Martin Rand & Jo Parmenter are new contacts **147** 55
Panicum capillare (v.c.35) **141** 44; **149** 62; (v.c.58) **141** 45
Panicum miliaceum (v.c.6) **144** 56; (v.c.58) **141** 45
Papaver bivalve ssp. *hybridum* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
Papaver cambricum (v.c.H33) **150** 47
Papaver dubium (v.c.48) **142** 63
Papaver somniferum by Anne Burgess – entry for Photographic Competition, 2020, (Photo) **146** 86
 Paperless Direct Debit – the preferred way to pay your subscription **145** 3
 Paperless Membership **150** 73
 Paraphyletic groups (Descr.) **145** 6
 Paraphyletic & monophyletic grouping explained **141** 11
Parentucellia viscosa (v.c.46) **149** 63; (v.c.48) **148** 69
 – history at former Goginan metal mine (v.c.46) **149** 63
Paris quadrifolia (v.c.49) **148** 70; (v.c.64) **141** 51; **143** 54; (v.c.75) **144** 42
 Parker, Edward – *Ash* (Rev.) **150** 86-87
 PARMENTER, JO, BOB LEANEY, & OLI PESCOTT – *Eremopoa persica* re-found in Britain after a 60-year absence [v.c.27] [Photos] [Table] **148** 47-50
 PARMENTER, JO, & CARL SAYER – Resurrection of a Norfolk [v.c.27] pond gem: *Lythrum hyssopifolia* [Map] [Photos] **146** 11-14
 PARMENTER, JO, & MARTIN RAND – Changes to Arrangements for the Panel of Referees **147** 55
Parnassia palustris (v.c.H33) **150** 46
 – with synchronised mosquitoes by Dorothy Dahl – entry for Photographic Competition, 2020, (Photo) **146** 86
 Parr, Sharon, & Stephen Ward – retire as joint VCRs for Co. Clare (v.c.H9) **143** 58
 Parratt, Matt, Ireland conifer workshop with, [v.c.H38] (Photo) **144** 74
Parrotia persica (Descr.) (Photo) (v.c.1a, 17, 21, 22) **142** 40
 Parslow, Rosemary – *Discovering Isles of Scilly Wild Flowers* (Rpt) **146** 62
 PARSLAW, ROSEMARY, & IAN BENNALLICK – Three aliens from the Isles of Scilly [v.c.1b] [Photos] **148** 51-54
 Parsons, Roger, & Greg Kernicer – Lathyrus *The complete guide* (Rev.) **149** 79-80
 Partnership with Greenwings [Wildlife Holidays] **150** 73
Pasque-Flowers. The Genus Pulsatilla. A Guide for Gardeners, Horticulturists and Botanists (2nd edn) (by Christopher Grey-Wilson) (Rev.) **148** 84
Pastinaca sativa – Distribution in Scotland **145** 20

- Pastinaca sativa* ssp. *urens* (v.c.15) **146** 9; (1st record v.c.32) **143** 47; (1st record v.c.58) **142** 44; (v.c.64) **143** 47
– trending alien **141** 41
- Paulownia tomentosa* (Descr.) **147** 42; **149** 47; (Photo) (1st record v.c.13) **147** 42; (1st records v.c.15) **149** 47
- Pavement plants in the Wirral [v.c.58] [Photos] [Tables] **147** 22-24
– Comparison with Dundee street flora **147** 24
- Pavement weeds in Broadmayne, Dorset [Graph, Photo, Table] **141** 29-30
- PEACH, JENNIFER – Banking the UK’s seeds - the Millennium Seed Bank’s UK Flora Project (2015-2019) [Photos] **142** 14-16
- Peacock, Sally – joins Jo Clark as joint VCRs for Meirioneth (v.c.48) **143** 57; **145** 62
- PEARMAN, DAVID – *Cortaderia richardii* - a different view of its distribution in Britain and Ireland [Maps, Table] **144** 62-63
– *Cortaderia richardii* postscript **145** 54
– *Discovery of the Native Flora of Britain and Ireland* [corrigenda & additions available] **149** 59
– Dr S.M. Eden (Obit) **142** 69
– Marsh Botany Award **147** 55
– Margaret Dorothy Perring (1933-2020) (Obit) [Photo] **145** 74-75
– Rev. of *Lathyrus The complete guide* (by Greg Kernicer & Roger Parsons) **149** 79-80
– Rev. of *The Collectors* - Creating Hans Sloane's Extraordinary Herbarium, ed. by Mark Carine **147** 78
– Rev. of *The Rare Plants of Herefordshire* by Les Smith, Peter Garner & Mark Jannick **143** 69-70
– Status of *Pancreatum maritimum* in Britain and Ireland [Photo] **150** 66-68
- Pearman, David – new referee for Biographical Details of British Botanists **150** 76
- PEARMAN, DAVID & TINA NIGHTINGALE – Marjorie Netta Blamey MBE (1918-2019) (Obit.) [Photo] **143** 59-61
- PEARMAN, DAVID, with contributions from IAN BENNALICK & BRYAN EDWARDS The impact of native and alien ‘thugs’ in semi-natural habitats [Photos] **142** 6-11
- Pedersen, Henrik, with Rolf Kuhn, & Phillip Cribb – *Field Guide to the Orchids of Europe and the Mediterranean* (Rev.) **143** 70-71
- Pelargonium* spp. – naturalised indoor tropical weed (v.c.83) **145** 51
- Pelargonium inodorum* spreading in v.c.10 **146** 40
- Pelargonium peltatum* (Descr.) (v.c.3) **147** 40
- Pennisetum petiolare* (v.c.14) **149** 44; (Photo) (v.c.21) **144** 53; (v.c. 36) **144** 53
– Niger bird-seed alien **144** 50
- Pennisetum villosum* (Descr.) (v.c.10, 14) **149** 46
- Pentaglottis sempervirens* – Invasive non-native plant **142** 4
- Peponium* (Cucurbitaceae) (Descr.) **141** 49
- Perovskia atriplicifolia* – yet to appear ‘en masse’ on the BSBI distribution maps **145** 56
- Perring, Margaret Dorothy, (1933-2020) (Obit) [Photo] **145** 74-75
– Report of death of **145** 75
- PERRY, HILARY – *Thalictrum minus* (Ranunculaceae) should be treated as a single variable species in Britain and Ireland [Map, Photo] **144** 25-27
- Persicaria* – many spp. transferred to *Koenigia* in Stage 4 **141** 12
– some spp. split to *Bistorta* in Stage 4 **141** 12
- Persicaria glabra* (Descr.) (v.c.3), (Photo) (1st record v.c.6), (v.c.16, 21) **144** 56
– potentially overlooked birdseed alien [Photos] **144** 56-57
- Persicaria glabra* var. *scabrinervis* (Descr.) (v.c.6) **144** 57; **146** 44; (v.c.27) **146** 44
- Persicaria hydropiper* (v.c.17) **146** 61
– with ochrea, characteristic of Polygonaceae (Illus.) **144** 29
- Persicaria maculosa* (v.c.17) **146** 61
- Persicaria minor* (v.c.10) **148** 25; (v.c.75) **144** 42
- Persicaria mitis* (Photo) **143** 49; (v.c.42) **143** 48
- Persicaria pennsylvanica* var. *laevigata* (Descr.) (1st record v.c.58) **146** 46
- Persicaria sagittata* (Photo) (v.c.H1) **141** 46, 47
- Pescott, Dr Oli, and NPMS volunteers at our recent quality assurance event (Photo) **148** 35
- PESCOTT, OLI, BOB LEANEY & JO PARMENTER – *Eremopoa persica* re-found in Britain after a 60-year absence [v.c.27] [Photos] [Table] **148** 47-50
- Peterborough, The Orchid Flora of Huntingdonshire and the Soke of*, by Peter Walker, Barry Dickerson & Roger Orbell (Rev.) **143** 71-72
- Peterken, Dr G.F., – congratulated on 60 years membership **143** 58
- Pterorhagia saxifraga* (v.c.62) **141** 45
- Petrosedum* – splits from *Sedum* in Stage 4 **141** 12
- Petrosedum rupestre* ‘Angelina’ (Descr.) (v.c.63) **148** 42
- Petroselinum segetum* (v.c.55) **142** 58
- PEYTON, JODEY – Events & Communications Committee (E&C) **144** 67
- Phaenosperma globosa* (Descr.) **147** 53
– potential invasive, not yet known in wild **147** 53
- Phalaris arundinacea* (v.c.63) **143** 6, 8; (v.c.89) **141** 54
– *Calamagrostis purpurea* growing with, in wet willow carr (Ervey Lough, v.c.H22) (Photo) **144** 16
- Phalaris canariensis* by Alan Wake winner: Alien category in Photographic Competition, 2020, (Photo) **146** 86
- Phalaris minor* (v.c.H32) **146** 47
- Phaseolus* – has stipels, stipule-like outgrowths **144** 29-30
- Phedimus* – splits from *Sedum* in Stage 4 **141** 12
- Phedimus stoloniferus* (v.c.27) **142** 43; (1st record (v.c.58) **142** 44
- Phegopteris connectilis* (v.c.H3) **142** 63; (v.c.H33) **150** 48
- Phelipanche purpurea* (v.c.12) **144** 71
- Phenology – Some observations on leaf, [Graphs] [Photo] **148** 6-9
- PHILIP, MICHAEL – Country Roundups – Scotland (Photos) **147** 61-62
- Philip, Michael becomes VCR for v.c.99 **149** 58
- Phillips, Mr J.C.L. – Report of death of **144** 77
- Phleum alpinum* (v.c.92) **142** 61
– Herbarium sheet collected by Peter Jefferson from ‘sand dunes, Llandudno, N. Wales’, 1948 (Photo). **149** 31
- Phlomis russeliana* (v.c.6) **145** 45; (Photo) (v.c.14) **145** 45; (v.c.17) **145** 45
- Photographic Competition 2019 **141** 79-80
- Photographic Competition 2020 (Photos) **146** [86]; (Rpt) **146** 59-60
– all entries can be viewed on BSBI Flickr **149** 57

- Photographic Competition 2021 (Photos) **149** 84-85
 Photographic Competition 2022 – online only **149** 57
 Photographing Wild Flowers: Part 2 [Photos] **141** 38-40
 Photographs, A cupboardful of, (the v.c.81 Berwickshire photos project) [Graph, Photos, Table] **145** 28-30
Phyla nodiflora – coco peat pot weed (Descr.) (v.c.29) **150** 70
Phyllanthus maderaspatensis – coco peat pot weed (Descr.) (?1st record BI, v.c.29) **150** 70
Phyllodoce caerulea – seed collected by Jim McIntosh after 22.5 km hike (twice!) **142** 15
Physocarpus opulifolius – stipules present **144** 30
Physospermum cornubiense (v.c.3) **149** 60
Phyteuma orbiculare (Photo) **142** 34; (v.c.7) **142** 35; (Photo) (v.c.11) **148** 65
Picea – extra taxa in Stage 4 **141** 10
Picea sitchensis – conifer plantations v.c.75 **144** 44
 Pickering, Dr A.T. – Report of death of **147** 72
Picris hieracioides ssp. *hieracioides* (1st record v.c.77) **147** 62
 PIERCE, SARAH – Country Roundups – Ireland (Photos) **142** 64-65; **143** 51-63; (Photo) **144** 74; **145** 65-66; (Photos) **148** 73-74
 Pierce, Sarah – new Ireland Officer **142** 64
 – on maternity leave, Paul Green takes over as Ireland Officer **146** 67
 – steps down as Ireland Officer due to continuing ill health **150** 74
 PIGOTT, ANTHONY – *Dryopteris pseudodisjuncta* in England [Photos] **148** 3-5
 – Rev. of *Fern Albums and Related Material* by Michael Hayward & Martin Rickard **145** 80-81
Pilea involucreta – naturalised indoor tropical weed (Photo) **145** 50; (v.c.83) **51**
Pilea microphylla (Descr.) (v.c.38, H21) **144** 57
 – brittle and fragments easily root in **145** 95
 – from tropical greenhouses in Britain & Ireland, Records of, (Table)(v.c.17, **44**, **83**, H21, H39) **144** 59
 – fully naturalised indoor tropical weed (v.c.83) **145** 49
 – Memories of, **145** 84-85
 – under-recorded neophyte of ‘tropical’ environments in Ireland and Britain? [Photos, Table] **144** 58-59
 – very unlikely to establish itself in the wild in B&I **144** 59
 PILKINGTON, SHARON – Introducing my Vice County: North and South Wiltshire v.c.7 & v.c.8 [Photos] **142** 33-37
 Pilkington, Sharon – retires after 18 yrs as VCR for v.c.7&8 (Biog.) **149** 58
Pilosella aurantiaca ssp. *carpathicola* (Descr.) (Photo) (v.c.16) **148** 55
Pilosella flagellaris (Descr.) (Photo) (v.c.16) **148** 54, 55
 – capable of long-distance dispersal **148** 58
 – in the British Isles, Notes on, [Photos] **148** 54-58
Pilosella officinarum (Descr.) (Photos) **147** 37, 38
 – important for Green Mouse-ear Hawkweed Aphid **148** 35
Pilosella × *stolonifera* (*P. aurantiaca* × *P. officinarum*) (Descr.) (1st record v.c.40) **142** 58
Pilularia globulifera – needs seasonally fluctuating water levels **148** 31
 – spore survival in anaerobic conditions (v.c.10) **148** 31
Pimpinella peregrina (v.c.H12) **143** 40
Pimpinella saxifraga (v.c.20) **147** 7
- PINCHES, CLARE, KEVIN WALKER &, BECKY TRIPPIER – Right tree, right place: using botanical heat-maps to inform tree planting [Maps][Photo][Table] **150** 40-44
 Pinches, Clare, with Peter Stroh *et al.* – *Grassland Plants of the British and Irish Lowlands* (Rev.) **143** 68
 PINDER, NEIL – Should vice-counties be metricated? **145** 84
Pinguicula alpina – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
Pinguicula lusitanica (1st recent record v.c.109) **144** 73
Pinus – extra taxa in Stage 4 **141** 10
Pittosporum tenuifolium (v.c.14) **142** 44; (Photo) (v.c.59) **142** 44, 45
 Place names – dating back centuries may be useful in locating rare taxa in UK **150** 35
 – How Irish, can be used to locate rare species, [Photos] **150** 34-36
 Planning fieldwork targeting vanishing habitats [Map] [Photos] **148** 25-31
 Plant Alert – [2020] [Photo] **144** 64
 – 2020 update [Table] [Photo] **145** 56
 – 2021 update [Photo] **147** 53
 – 2021 Achievements **150** 72
 – 2022 update [Photos] **150** 72
 – citizen science collaboration btwn the BSBI and Coventry University **144** 64
 – data used to update list of non-invasive plants in 3 booklets **147** 53
 – designed to monitor future invasions of ornamental plants **144** 64
 – Garden plants likely to become invasive (Exbt 2019) **143** 56
 – media coverage & increase in records **145** 56; **147** 53
 – on Twitter and Internet **147** 53
 – project on potentially invasive ornamental plants that may ‘jump the garden wall’ **142** 5
 – Top 10 recorded species (Feb. 2020) (Table) **144** 64
 – Top 20 species reported on the website at August 2020 (Table) **145** 56.
 – YouTube video links **150** 72
 Plant Atlas 2020 – Charophytes included for first time **150** 74
 – Princeton University Press will publish, with 50% discount for members **150** 74
 – Progress towards, **150** 74-75
 – publication date fixed at March 2023 **150** 74
 Plant blindness **143** 76
 – engaging with nature helps mental health **142** 13
 – inability to identify even common plants **142** 12
 – no University course in UK offering an element of plant ID **142** 12
 – Oxford Junior Dictionary removes ‘catkin’ & ‘acorn’ **142** 13
 Plant Conservation - the BSBI database is under-exploited **148** 87-88
 – BSBI and, - a Response **148** 88
Plant Fossils, Introduction to, (2nd Edition) by Christopher J. Cleal & Barry A. Thomas (Rev.) **144** 84
 Plant id – Comments on Smartphones and tablets id app.; screenshot (Photo) **144** 36-37
 Plant introductions with coco peat [Photo] **150** 69-71
Plant Names. Guide to Botanical Nomenclature (4th edn) by Roger Spencer & Rob Cross (Rev.) **146** 81-82
Plantago afra (v.c.77) **143** 39

- Plantago coronopus* (v.c.59) **142** 23
– *Glaxu maritima* with few plants of, on road verge at Winnowshill junction, (v.c.67) (Photo) **149** 30
– roadside halophyte in v.c.67 **149** 29
- Plantago lanceolata* (v.c.59) **142** 23
– Phenology of *Lamium album* & **148** 9
- Plantago maritima* (v.c.75) **144** 43; (Dun, v.c.110) **142** 60
– roadside halophyte in v.c.67 **149** 30
- Plantago media* (v.c.106) **145** 20
– constituent of wildflower seed mixtures **145** 21
– Distribution in Scotland **145** 20
- Plantanthera bifolia* – Knockshinnoch Lagoons SWT reserve (v.c.75) **144** 45
- Plantlife – Keeping the wild in wildflowers – counter argument **145** 83
- PlantNet – Comments on Smartphones and tablets id app.; screenshot (Photo) **144** 39-40
- Plants & Us. How They Shape Human History and Society* (by John Akeroyd, Liz Cowley & Donough O'Brien) (Rev.) **149** 80-81
- Plants Go to War. A Botanical History of World War II* by Judith Sumner (Rev.) **144** 79-80
- PlantSnap – Comments on Smartphones and tablets id app. **144** 40
- Platanthera bifolia* (Kent) **145** 60; (v.c.7) **142** 35; (v.c.47) **149** 64; (v.c.50) **142** 63; (v.c.85) **148** 71
– & *Anacamptis pyramidalis*, Perth. (Photo) **149** 16
- Platanthera chlorantha* – Belleisle Golf Course (v.c.75) **144** 44
- Platanthera × hybrida* (*P. bifolia* × *P. chlorantha*) (1st record Kent) **145** 60
- Platanus* – stipules are Ochrea **144** 29
- Platycladus* – extra taxa in Stace 4 **141** 10
- Poa annua* (Descr.) (Illus.) **150** 20; (v.c.9) **141** 30
- Poa infirma* (Descr.) (Illus.) (Photo) **150** 18, 19, 20; (v.c.21) **145** 36
– Recognising.: spotting features and identification characters [Photos] [Illus.] **150** 19-22
– Upright and prostrate forms of, **150** 19, 21
- Poaceae – *Avenula* splits to *Avenula* & *Helictochloa* in Stace 4 **141** 12
– *Deschampsia* splits to *Deschampsia*, *Aristavena* & *Avenella* in Stace 4 **141** 13
– *Elytrigia* merged into *Elymus* in Stace 4 **141** 13
– *Festuca* splits further to *Festuca* & *Drymochloa* in Stace 4 **141** 13
– *Stipa* splits to *Stipa*, *Stipellula* & *Celtica* in Stace 4 **141** 12
- POLAND, JOHN – Stipules: a brief introduction [Illus.] **144** 28-31
- Poland, John – Vegetative plant ID quiz (Exbt 2019) **143** 56
- Polemonium pauciflorum* (Descr.) (v.c.17, 39), (Photo) (v.c.42), (v.c.61) **143** 37
- Pollinators & Pollination: Nature and Society* by Jeff Ollerton (Rev.) **147** 77-78
- Pollock, Dr Ruth – report of death of **143** 67
- Polycarpon tetraphyllum* (Photo) **143** 47; (v.c.21) **145** 36; (v.c.24), (1st record v.c.66) **143** 47
- Polygala amarella* – Upper Teesdale (v.c.65) **144** 45
- Polygala calcarea* (v.c.10) **148** 25
- Polygonaceae – many *Persicaria* are transferred to *Koenigia* & others split to *Bistorta*; *Fallopia* splits to *Fallopia* and *Reynoutria* in Stace 4 **141** 12
– Notable family with stipules **144** 30
– stipules are Ochrea **144** 29
- Polygonatum × hybridum* (v.c.4) **142** 41
- Polygonatum multiflorum* – woodland (v.c.7/8) **142** 37
- Polygonum agrestinum* – added to Red Data Waiting List (2019-2020) **147** 33
- Polygonum aviculare* agg. – Common problems with field identification [Illus.] [Photos] **148** 19-22
– includes 4 taxa as defined by Stace **148** 19
- Polygonum aviculare* & *P. depressum* – problems with field identification **148** 21
- Polygonum aviculare* s.s. (Descr.) (Illus.) (Photo) **148** 20, 21, 22
- Polygonum aviculare* segregates – 8 taxa added to Red Data Waiting List (2019-2020) **147** 31-33
- Polygonum boreale* (Descr.) **148** 19
- Polygonum chamaechyton* – added to Red Data Waiting List (2019-2020) **147** 33
- Polygonum denudatum* – added to Red Data Waiting List (2019-2020) **147** 33
- Polygonum depressum* (Descr.) (Illus.) (Photo) **148** 19, 20, 21
– & *P. aviculare* – problems with field identification (Photos) **148** 19, 21, 22
- Polygonum microspermum* – added to Red Data Waiting List (2019-2020) **147** 33
- Polygonum neolittorale* – added to Red Data Waiting List (2019-2020) **147** 31
- Polygonum oedocarpum* – added to Red Data Waiting List (2019-2020) **147** 33
- Polygonum oxyspermum* ssp. *raii* (v.c.50) **146** 64
- Polygonum parvulum* – added to Red Data Waiting List (2019-2020) **147** 33
- Polygonum polychnemiforme* – added to Red Data Waiting List (2019-2020) **147** 33
- Polygonum rurivagum* (Descr.) (Illus.) (Photos) **148** 20-22
– co-habitant of roadside halophytes v.c.67 **149** 30
- Polyphyletic groups (Descr.) **145** 6
- Polypodium* (Descr.) (Photo) **141** 36
– *Cultivars and Species* by Martin Rickard (Rev.) **145** 81
- Polypodium cambricum* – Heads of Ayr cliffs (v.c.75) **144** 42
- Polypodium interjectum* (v.c.106) **148** 72
– Habitat of *Dianthus gallicus* at Hengistbury Head [v.c.13], with *Ammophila arenaria* &, (Photo) **147** 13
- Polypodium × mantoniae* (*P. interjectum* × *P. vulgare*) (v.c.106) **148** 72
- Polypogon maritimus* (v.c.31) **148** 41
- Polypogon monspeliensis* (v.c.46) **149** 63
- Polypogon viridis* (Photo) **147** 24; (v.c.21) **145** 36; (v.c.27) **147** 44; (1st record v.c.42) **141** 61; (1st records v.c.46) **148** 68, **149** 63; (v.c.49) **149** 64; (v.c.50) **149** 65; (v.c.58); **146** 40; **147** 23; (v.c.83) **144** 55
– spread in West Wales and elsewhere **149** 64
- Polystichum aculeatum* (v.c.52) **142** 62
- Polystichum × bicknellii* (v.c.52) **142** 62
- Polystichum lonchitis* (v.c.111) **148** 73; (v.c.H33) **150** 49
- Populus*, Riverside, – infested with *Viscum album* on the banks of Severn, near Gloucester (Photo) **142** 28
- Populus alba* (v.c.58) **147** 23
- Populus × canadensis* – infested by *Viscum album* in v.c.22 **141** 19
– primary host of *Viscum album* in v.c.25 study area **143** 26

- Populus* × *canadensis* 'Serotina' – infested by *Viscum album* in v.c.24 **141** 19
- Populus nigra* ssp. *betulifolia* – Clattinger Farm NNR (v.c.7) **142** 37
- Portulaca grandiflora* (Descr.) (v.c.13, 1st record v.c.14) **149** 47
- Portulaca oleracea* ssp. *oleracea* (Descr.) (v.c.21) **147** 43
- Posidonia oceanica* – Mediterranean eelgrass **141** 25
– producer of Neptune Balls **141** 26
- Post-atlas 2020 projects **144** 67-68
- Potamogeton* – debatable if stipules are Ochrea **144** 29
- Potamogeton* – splits to *Potamogeton* & *Stuckenia* in Stace 4 **141** 12
- Potamogeton bertholdii* (v.c.63) **143** 6, 8, 11; (v.c.H28) **143** 53
- Potamogeton* × *billupsii* (*P. coloratus* × *P. gramineus*) – Loch na Liana Moire (v.c.52)(v.c.110) **146** 37
- Potamogeton crispus* (v.c.63) **143** 6, 8; (v.c.110) **146** 38-39
- Potamogeton epihydrus* – on MSB wanted list (hard to reach) **142** 15
- Potamogeton gramineus* (v.c.110) **146** 38-39
- Potamogeton* × *lintonii* (v.c.H37) **146** 68
- Potamogeton lucens* ref. to ill. showing 'intrapetiolar stipules' **144** 29
- Potamogeton natans* (Photo) (v.c.63) **143** 5, 6, 8, 9, 10, 11
- Potamogeton nodosus* – River Avon near Bradford-on-Avon (v.c.8)**142** 36
- Potamogeton obtusifolius* (Photo) (v.c.63) **143** 8, 10, 11
- Potamogeton perfoliatus* (v.c.8) **142** 36; (Photo) (v.c.21) **145** 36, 37
- Potamogeton trichoides* (v.c.63) **143** 8, 11; (1st record Ireland, v.c.H37) **148** 74
- Potamogetonaceae – Notable family with stipules **144** 30
– *Potamogeton* splits to *Potamogeton* & *Stuckenia* in Stace 4 **141** 12
- Potentilla* project - request for material **144** 70
- Potentilla argentea* (Photo) (v.c.27) **147** 49; (v.c.47) **142** 63
- Potentilla crantzii* (v.c.97) **148** 71
- Potentilla erecta* ssp. *erecta* & ssp. *strictissima* – request for material **144** 70
- Potentilla inclinata* (Descr.) (v.c.17) **148** 40
- Potentilla indica* (1st record v.c.52) **148** 69, **149** 49; (Photo) (1st record v.c.58) **141** 45, **149** 49
- Potentilla intermedia* (1st recent Irish record v.c.H36) **148** 74
– Herbarium Montgomery (Photo) **143** 33
- Potentilla* × *mixta* (*P. anglica* × *P. reptans*) (1st record v.c.47) **143** 49
- Potentilla reptans*, *P. anglica*, *P. erecta* and the hybrids – request for material **144** 70
- Poterium sanguisorba* – constituent of wildflower seed mixtures **145** 21
– Distribution in Scotland **145** 20
- Poterium sanguisorba* ssp. *baleaicum* (v.c.81) – deliberately sown **144** 24
- Pratia angulata* (Descr.) **141** 44
- Pratia pedunculata* (Descr.) (v.c.35) **141** 44; (v.c.36) **146** 45; (v.c.98) **142** 59
- PRATT, EDWARD – Dorset Wild Flower Week **143** 78
- Pratt, Edward – located 17 of 62 'spp' in Purbeck (v.c.9) plus undescribed taxa **144** 33
- PRATT, EDWARD, & BRIAN EVERS HAM – Recording elms (*Ulmus* spp.) in Britain and Ireland **144** 33
- Prendergast, Alex – new email address **150** 76
- President, From the, **142** 2; **143** 2; **144** 2; **146** 2; **147** 2; **148** 2; **149** 2; **150** 2
- President-elect – to be approved at AGM **148** 2
- Presidents Prize 2021 – awarded to Dr James Merryweather for *Britain's Ferns* **148** 2
- Presland, Mr J.L. – Report of death of **150** 84
- PRESTON, C.D. – Rev. of *British Forests: The Forestry Commission 1919-2019* Ed by Ian Gambles **144** 80-81
- PRESTON, CHRIS D. – George Hodge Ballantyne (1934-2020) (Obit.) (Photos) **146** 69-72
– Obituary Notes **141** 75; **142** 68; **143** 67; **144** 76-77; **145** 75; **146** 76; **147** 72; **148** 80; **149** 75; **150** 84
– Philip Harrison Oswald (1933-2021) (Obit.) (Photo) **148** 77-80
– (COMPILER) – OBITUARIES **146** 64-72; **148** 75-80; **149** 70-75; **150** 78-84
- Preston, Chris, with Alan Hill & Paddy Reilly on a pondweeding excursion in Co Cavan [v.c.H30] (Photo) **143** 62
- Primula farinosa* (Photo) (v.c.64) **148** 65
– Teesdale national rarity (v.c.65) **144** 45
- Primula* × *murbeckii* (*P. elatior* × *P. veris* × *P. vulgaris*) – Garden novelty (Descr.) (v.c.25) **142** 48
- Primula pulverulenta* (Photo) (1st record v.c.64) **143** 38, 39
- Primula scotica* (Photo) (v.c.111) **142** 59
- Primula veris* (Photo) (v.c.7) **142** 36, 37; (v.c.27) **147** 49
- Primulaceae – *Lysimachia* now includes *Lysimachia*, *Glaux*, *Anagallis*, *Trientalis* & *Centunculus* in Stace 4 **141** 13
- Princeton University Press will publish Plant Atlas 2020 with 50% discount for members **150** 74
- Prior Park Landscape Garden, Bath (Descr.) (v.c.6) **144** 56
- Problems, Common, with field identification - the *Polygonum aviculare* aggregate [Illus.] [Photos] **148** 19-22
- Progress towards Plant Atlas 2020 **150** 74-75
- Project for England, A, **150** 73-74
- PRYCE, RICHARD – Rev. of *The Wild Plants of Llantrisant Common and Y Gweira*, by David Barden **147** 76-77
- PRYCE, SUKI – The North Walsham and Dilham Canal: a fruitful place for adventives and aliens [Photos] [Table] **147** 48-50
- Pseuderanthemum alatum* – fully naturalised indoor tropical weed (Descr.) (v.c.83) **145** 49; (Photo) 50
- Pseudognaphalium* – splits from *Gnaphalium* in Stace 4 **141** 12
- Pseudognaphalium stramineum* (Photo) (v.c.1b) **148** 51, 52
- Pseudorchis albida* (v.c.70) **149** 62; (Photo) (v.c.H33) **150** 47, 48
- Pseudostipules – not true stipules and enlarge as lf matures **144** 29
– often found in otherwise stipule-free families **144** 29
- Psilotum nudum* – surviving indoor tropical weed (v.c.83) **145** 49
- Pteridium aquilinum* (v.c.57) **145** 27; (v.c.96) **142** 59
– *Ulex europaeus* &, on former unimproved grassland, Cornwall (Photo) **142** 11
- Pteridium aquilinum* ssp. *atlanticum* – added to Red Data Parking List (2019-2020) **147** 33
- Pteridium aquilinum* ssp. *osmundaceum* – added to Red Data Waiting List (2019-2020) **147** 33

Pteris vittata – naturalised indoor tropical weed (v.c.83) **145 51**
Publications Committee [Pubs] **144 67**
Puccinellia distans (v.c.97) **142 59**
– roadside halophyte associate of *Lysimachia minima* **145 17**
– roadside halophyte in v.c.67 **149 30**; (v.c.96) **144 14**
Pugh, Mrs M.E. – congratulated on 60 yrs membership **149 55**
Pulicaria dysenterica – Distribution in Scotland **145 20**
Pulsatilla, *Pasque-Flowers. The Genus, A Guide for Gardeners, Horticulturists and Botanists* (2nd edn) (by Christopher Grey-Wilson) (Rev.) **148 84**
Pulsatilla vulgaris (v.c.24) **147 7**
Pyne, Mr K. – Report of death of **142 69**
Pyrenées, Nouvelle Flore Illustrée des, by Marcel Saule (Rev.) (Photo) **141 76-77**
Pyrola minor (v.c.42) **146 64**; (v.c.75) **144 44**; (v.c.97) **148 71**; (v.c.H39) **146 67**
Pyrola rotundifolia (Photo) (v.c.12) **149 61**; (v.c.48) **148 69**; (Photo) (v.c.69); **146 63**; (Photo) (1st record v.c.H11) **148 73**
Pyrola rotundifolia ssp. *maritima* (v.c.49) **148 70**
Pyrola rotundifolia ssp. *rotundifolia* (v.c.69) **146 63**
Pyrus salicifolia (1st record Cumbria) **144 15**
Q*uercus petraea* – Savernake Forest (v.c.7) **142 37**
Quercus robur – sample image for AI id. (Photos) **144 35**
– Savernake Forest (v.c.7) **142 37**
Quercus × *rosacea* (*Q. petraea* × *Q. robur*) – Savernake Forest (v.c.7) **142 37**
Quigley, Declan – now sole referee for Maritime Drift Seeds **141 79**
R*adiola linoides* – roadside associate of *Lysimachia minima* **145 17**
Radley-Smith, Dr R.C. – Report of death of **146 76**; **148 80**
Ramsheugh Bay (v.c.81), View of expanding *Centranthus ruber* colony; site of *Glaucium flavum* colony in distance (Photo) **145 30**
RAND, MARTIN – Panel of Referees and Specialists: Updates and Amendments **150 76**
– Rev. of *A Flora of Cornwall* by Colin French **146 77-78**
– Rev. of *Vegetation du Nord de la France: Guide de Détermination* (by Emmanuel Catteau, Julien Buchet and ten others) **149 77**
– Stace Fourth Edition. What's new? [Photos] **141 10-13**
– referee for *Erigeron* (incl. *Conyza*) **141 79**
RAND, MARTIN, & Jo Parmenter – Changes to Arrangements for the Panel of Referees **147 55**
RAND, MARTIN, PHIL COLLIER, & ROBIN GARNETT – *Dianthus gallicus* newly recorded from mainland UK [v.c.11] [Photos] [Table] **147 12-14**
RANDALL, ROB & GRAHAM LAVENDER – *Rubus nepalensis*: a previously unrecorded Bramble in the UK [Photo] **149 54**
Ranunculus – Beginner's Corner: Starting with buttercups [Photos] **144 48-49**
Ranunculus aconitifolius (v.c.64) **143 38**
Ranunculus acris (Descr.) **144 48**; (Photos) **49**
– Marjorie Blamey's specimen and sketches of, (Photo) **143 60**
– & *Capsella bursa-pastoris*, herbarium sheets at Whitby Museum (Photo) **144 32**

Ranunculus auricomus s.l. – 56 taxa added to Red Data Waiting List (2019-2020) **147 33**
Ranunculus auricomus (v.c.H27) **149 68**
Ranunculus bulbosus (Descr.) **144 48**; (Photos) **49**; (Photo) (v.c.75) **144 41**
Ranunculus × *levenensis* – recorded in Ireland in absence of one of the parents **144 18**
Ranunculus lingua (v.c.44) **142 62**
Ranunculus ophioglossifolius grown from seed and ready for reintroduction (Photo) **142 16**
Ranunculus parviflorus (v.c.5) **142 58**; (v.c.50) **142 63**
Ranunculus penicillatus (v.c.8) **142 35**
Ranunculus repens (Descr.) **144 48**; (Photos) **49**; Photo (v.c.11) **144 [i]**; (v.c.26) **145 5**
Ranunculus sardous (v.c.73) **145 65**
Ranunculus sceleratus (v.c.10) **148 27**; (v.c.63) **143 7, 8, 11**
Ranunculus trichophyllus – Loch Hallan SSSI (v.c.110) **146 36**
Ranunculus subgen. *Batrachium* – closed ochrea-like stipules **144 30**
Raphanus raphanistrum – taxonomic disagreements about ssp. **149 15**
Raphanus raphanistrum ssp. *maritimus* (Descr.) **148 13**
– DDb check revealed recent upsurge in all Welsh coastal v.cc. **149 11**
– Rampant Sea Radish: around Anglesey and other Welsh coasts [Photos] [Table] **149 11-15**
– Total numbers of records in the DDb by time periods in selected Welsh v.cc. (Table) **149 12**
Rare British Plants Nursery, The, details & website **146 60**
Rare Plant Project Ireland (Google 'BSBI RPPI') **148 73**
Rare Plant Registers – Scotland **141 60**
– v.cc.74, 91 in preparation **147 62**
Rare Plants of Herefordshire, The, by Les Smith, Peter Garner & Mark Jannick (Rev.) **143 69-70**
Rare plants, Locations for, – should they be published **141 23**
Rare species, How Irish place names can be used to locate, [Photos] **150 34-36**
Raven, Peter H. – *Driven by Nature* (Rev.) **148 86**
Rayner, Dr T.G.J. – new postal address **150 76**
Recording – common taxa need similar data to rare & threatened **149 83**
– need for more detailed records **149 83**
– 'tropical' adventives in Britain and Ireland - a possible solution? **146 56-57**
Records & Research Committee (R&R) **144 66**
Records, Biological – 4 'Ws' (What, Where, When, Whom) **142 38**
Recruitment drive targeted at Students; video on website, numbers doubled **149 56**
Red Data List (2017-2018) – Vascular plant, for Great Britain: summary of amendments in years 12 and 13 (2017-18) of the annual amendments process **141 3-7**
Red Data List (2019-2020) – numerous name changes re Stace 4 **147 29**
– Vascular plant, for Great Britain: summary of amendments in years 14 and 15 (2019-20) of the annual amendments process **147 27-35**
Red Data List – latest version posted on BSBI Website **147 27**
Red List group – authors urged to contact for threat status before publication **141 6**

- Reece, Susanna – thanked for her time as Honorary Treasurer **145 58**
 – welcomed as Treasurer **143 2**
- REES, E. IVOR S. – Abundant *Raphanus raphanistrum* ssp. *maritimus* dominating an area adjoining a shingle storm beach at the Llanddona end of Red Wharf Bay, v.c.52 (Photo) **149 11**
 – Calcareous concretion associated with *Limonium procerum* and storm damage resilience [Photos] **146 29-30**
 – Rampant *Raphanus raphanistrum* ssp. *maritimus* around Anglesey and other Welsh coasts [Photos] [Table] **149 11-15**
- Referees and Specialists – Alex Prendergast has new email address **150 76**
 – all material for Mr R.V. Lansdown should now be sent to his home address by prior arrangement **150 76**
 – Biographical Details of British Botanists: now Mr D.A. Pearman **150 76**
 – Dr T.G.J. Rayner has new postal address **150 76**
 – Panel of, **141 79; 142 80**
 – Panel of,: Updates and Amendments **150 76**
- Regrowth of *Myrrhis odorata*, *Anthriscus sylvestris* & *Heracleum sphondylium* (Graph) **148 8**
- Reid, Mr A.W. (Bert) – report of death of (Biog.) **143 67**
- Reilly, Paddy, with Alan Hill & Chris Preston on a pondweeding excursion in Co Cavan [v.c.H30] (Photo) **143 62**
- Relationship between number of species and length of surveyed road (v.c.9) (Graph) **141 30**
- Renton, Marlow & Eric Biggane – *Foraging Pocket Guide* (Rev.) **148 81**
- Request for specimens **148 64**
 – *Heuchera* **148 64**
 – *Tellima grandiflora* **148 64**
 – *Tiarella* **148 64**
 – *Tolmiea menziesii* **148 64**
- Reseda* – protruding stipular glands **144 29**
- Resilience – review, Heritage Lottery Fund **141 2**
 – Strategy – Report soon (Centre for Charity Effectiveness team (CASS) **143 2**
- Resilience/Organisational Strategy **145 2**
- Resurrection of a Norfolk [v.c.27] pond gem: Grass- poly *Lythrum hyssopifolia* [Map] [Photos] **146 11-14**
- Revels, Richard, Graham Bellamy & Chris Boon – *Bedfordshire - Our Changing Habitats and Wildlife. A Photographic Record* (Rev.) **147 75-76**
- Reviews see Book Reviews (p.6)
- × *Reyloppia conollyana* (*Fallopia baldschuanica* × *Reynoutria japonica*) – Out of sight, out of mind? *Ex-situ* germination of, in South Wales invaded seed bank [Photos] **142 52-55**
- Reynolds, Sylvia – retires after 40 years as VCR for v.c.H8 (Biog.) **150 76**
- Reynoutria* – splits from *Fallopia* in Stage 4 **141 12**
- Reynoutria japonica* (Photo) **142 55**
 – control methods – Invasives Research Centre, Taff's Well, (v.c.41) **142 53**
 – life form, invasive properties & control **142 52**
- Rhodiola* – splits from *Sedum*, *Phedimus*, *Hylotelephium* & *Petrosedum* in Stage 4 **141 12**
- Rhodiola rosea*, *Saussurea alpina* & *Cystopteris fragilis* on ledge on Tahabhal, Uig [v.c.110] (Photo) **146 39**
- Rhododendron* – A super problem with the naming of British *Rhododendrons* [Map] [Photo] **146 52-55**
- Rhododendron ponticum* – British material comprises a dizzying array of potential parentages & quite impossible to subdivide **146 53**
 – locally abundant in CS sampling plots **142 7**
 – only useful name for this taxon **146 52-53**
- Rhododendron* × *superponticum* – reasons why name should not be used **146 53**
 – UK distribution map of, (hectads) (Map) **146 52**
- Rhododendron thomsonii* (Descr.) (Photo) (1st 'wild' record in BI, v.c.96) **148 43, 44**
- Rhynchospora alba* (v.c.75) **144 42;** (Photo) (v.c.H6) **148 74**
- RICH, TIM – *Allium ampeloprasum* var. *ampeloprasum* does not set seed on Flat Holm [v.c.41] [Photos] **146 50-51**
 – The difficult plant problem [Photos] [Table] **149 23-29**
 – *Hieracium subprasiniifolium* – 'extinct' sp. rediscovered by, **142 16**
 – with National *Taraxacum* collection in the Welsh National Herbarium (2007) (Photo) **149 25**
- Rich, Tim & Andy McVeigh – *Gentians of Britain and Ireland* (Rev.) **143 68-69**
- Rich, Tim & Lauren Marrinan – *101 Rare Plants of Wales* by, (Rev.) **145 77-78**
- Rich, Tim & David McCosh – *Monograph of the British and Irish Hieracium section Foliosa and section Prenanthoidea* (Rev.) **148 82**
- RICHARDS, JOHN – *Glaux maritima* dominant on a six-halophyte road verge in v.c.67 [Photo] **149 29-30**
 – Rev. of *Gentians of Britain and Ireland* by Tim Rich & Andy McVeigh **143 68-69**
 – Rev. of *Pollinators & Pollination: Nature and Society* by Jeff Ollerton **147 77-78**
 – What are British elm species? **150 22-23**
 – Whatever happened to *Crepis mollis*? [Photos] [Table] **143 22-24**
- Richards, John – demonstrating dandelions, Blairgowrie workshop [v.c.89] (Photo) **149 37**
 – *Field Handbook to British and Irish Dandelions* (Rev.) **150 85-86**
 – remains as joint VCR for S. Northumb. (v.c.67) **143 57**
- Ricinus communis* – stipules are *Ochrea* **144 29**
- Rickard, Martin – *Polypodium Cultivars and Species* by, (Rev.) **145 81**
- Rickard, Martin, & Michael Hayward – *Fern Albums and Related Material* by, (Rev.) **145 80-81**
- Ritson, Alan, Wendy English & Dave Barlow at Danby Beacon observing *Diphasiastrum alpinum* amongst cut heath (Photo) **150 38**
- Road verges, Using dash cams for recording plants on, [Maps] [Photos] **146 31-33**
- ROBERTS, JEREMY – Rev. of *Monograph of the British and Irish Hieracium section Foliosa and section Prenanthoidea* (by Timothy C.G. Rich & David McCosh) **148 82**
- ROBERTS, JEREMY with MARGARET NORTON – *Calamagrostis purpurea* (Scandinavian Small-reed) in Co. Meath (v.c.H22) first report from Ireland [Photos, Tables] **144 16-19**
- ROBERTSON, JAMES – Native status and *Mibora minima* [Photos] **148 10-14**
- Robinia pseudoacacia* – has stipels, stipule-like outgrowths **144 29;** (Illus.) **30**
 – infested by *Viscum album* in v.c.24 **141 19**
 – stipules modified into spines (Illus.) **144 29**

- *Viscum album* host in v.c.25 **143** 26
- ROBINSON, MARTIN – Another view on translocation **146** 82-83
- Robson, Norman Keith Bonner, (1928-2021) (Obit.) (Photo) **150** 81-83
- Report of death of (Biog.) **149** 75
- Rogers, Dr J.A. – Report of death of (Biog.) **148** 80
- Rogers, Margaret (Megs) – new joint VCR for S. Northumb. (v.c.67) **143** 57
- RONALDS, BEVERLEY – Archibald Sim Montgomery and his herbarium [Photos] **143** 31-32
- Roots to Seeds. 400 years of Oxford Botany* (by Stephen A. Harris) (Rev.) **149** 81
- Rorippa islandica* (v.c.52) **141** 62; (1st record v.c.58) **143** 38; (v.c.66) **143** 47
- Rorippa palustris* – Norfolk Ponds Project (v.c.27) **146** 11
- Rosa* – A revised dichotomous key to native and alien species of, **150** 31-33
- Rosa corymbifera* – added to Red Data List (2019-2020) **147** 28
- Rosa* × *dumalis* (*R. squarrosa* × *R. vosagiaca*) included in new revised *Rosa* key **150** 31
- Rosa spinosissima* (v.c.42) **146** 64; (v.c.75) **144** 42
- Rosa squarrosa* – added to Red Data List (2019-2020) **147** 28
- Rosaceae – Notable family with stipules **144** 30
- Rostraria cristata* (1st record v.c.5) **145** 61; (Photo) (v.c.14) **143** 36; (1st record v.c.29) **145** 61
- ROTHERO, GORDON – Rev. of *A Flora of the East Greenland Central Fjord Region* by Geoffrey Halliday **142** 71-72
- Rowlands, Gareth – *Anglesey Flowering Plants and their Habitats* by, (Rev.) **144** 82-83
- Rubia peregrina* (Descr.) **149** 40; (v.c.H16) **149** 69
- Rubia tinctorum* (Descr.) (Photo) (v.c.11) **149** 40; (1st record v.c.27) **127** 44
- Rubus* (15 taxa recorded v.c.73) **147** 62
- Rubus arcticus* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Rubus chamaemorus* (v.c.75) **144** 43; (v.c.H36, in flower) **149** 68
- at southern limit in Britain in v.c.47 **141** 31
- Rubus cockburnianus* (1st record v.c.73) **148** 70
- Rubus echinatoides* (1st record v.c.100) **145** 65
- Rubus fruticosus* agg. (v.c.3) **143** 43; (v.c.11) **149** 40; (v.c.57) **145** 27; (v.c.58) **147** 23
- increased distribution **142** 7
- Typical paired stipules linear (Illus.) **144** 28
- with *Sibthorpia europaea*, East Coombe, Cornwall (Photo) **142** 7
- Rubus loganobaccus* (v.c.63) **145** 47
- Rubus ludensis* (1st record v.c.47) **143** 49
- Rubus nepalensis* (Descr.) (Photo) (1st BI record, v.c.5) **149** 54
- potentially invasive alien **149** 54
- previously unrecorded Bramble in the UK [Photo] **149** 54
- Rubus saxatilis* (v.c.110) **146** 38-39; (v.c.H39) **145** 66
- Rubus tricolor* (Descr.) **149** 54
- Ruellia squarrosa* – naturalised indoor tropical weed (Photo) **145** 50; (v.c.83) **51**
- RUHSAM, MARKUS with MICHAEL WILCOX – The genus *Cymbalaria* Hill in Britain and the discovery of *C. muralis* × *C. pallida* [Photos] [Table] **143** 13-21
- Rumex acetosa* (Dun, v.c.110) **142** 60
- Rumex acetosella* (v.c.59) **142**, 23; **149** 4
- Rumex crispus* ssp. *robustus* (Descr.) (v.c.16) **149** 50-51; (Photo) (v.c.63) **149** 50-51
- Rumex* × *duffii* (v.c.48) **142** 63
- Rumex hydrolapathum* (v.c.63) 8, 11; (1st record v.c.79) **146** 66
- Rumex longifolius* (v.c.64) **143** 55
- Rumex obtusifolius* (Boreray, v.c.110) **142** 60
- Rumex pulcher* (v.c.H5) **143** 53
- Rumex rupestris* (v.c.45) **147** 60
- Rumex scutatus* (Descr.) (v.c.14, 83) **148** 39
- Rumex thyrsiflorus* (Descr.) (Photos) (v.c.17, 77) **148** 45, 46
- in Surrey (v.c.17) [Photos] **148** 45-46
- RUMSEY, FRED, & JOHN CROSSLEY – Glands on *Dryopteris carthusiana* and *D. dilatata* [Photo] **150** 28-29
- RUMSEY, FRED WITH ANDREW JONES – *Myosotis stricta*: a likely native and overlooked forget-me-not in Britain (Photos) **141** 8-9
- Rumsey, Fred, & Chris Thorogood – *Broomrapes of Britain & Ireland. A Field Guide to the Holoparasitic Orobanchaceae* (Rev.) **149** 76
- Rumsey, Fred & Rory Hodd – *Stegogrammitis jamesonii* in Ireland (Exbt 2019) **143** 56
- Ruppia cirrhosa* (v.c.52) **143** 50
- Ruppia maritima* (v.c.52) **143** 50
- Ruscus aculeatus* (Descr.) **144** 55
- Ruscus hypoglossum* (Descr.) (v.c.83) **144** 55
- Russell, Mr D. – Report of death of **147** 72
- Rust fungus developed by CABI to help eradicate *Impatiens glandulifera* **143** 78
- Ryves, Thomas Bruno OBE (1930-2019) (Obit) [Photo] **143** 65-67
- Report of death of **142** 69
- Sabulina* – splits from *Minuartia* in Stace 4 **141** 12
- Sabulina stricta* – Upper Teesdale (v.c.65) **144** 45
- Sabulina tenuifolia* – Salisbury Plain (v.c.8) **142** 34
- Sabulina verna* – rendered extinct in v.c.46 by ‘restoration scheme’ **149** 63
- Sagina maritima* (v.c.5) **145** 60; (v.c.98) **142** 59
- as an inland roadside halophyte [Graphs, Map, Table] **146** 25-28
- roadside halophyte associate of *Lysimachia minima* **145** 17
- roadside halophyte (v.c.11, 58, 56) **146** 25; (v.c.67) **149** 30; (v.c.69, 81, 82, 88, 89, 94, 95) **146** 25; (v.c.96) **144** 14. **146** 25
- Sagina nivalis* – monitoring in v.c.88 (Photo) **143** 50, 51
- Sagina nodosa* (v.c.42) **146** 64
- Sagina* × *normaniana* (*S. procumbens* × *S. saginoides*) (v.c.96) **149** 65
- Sagina saginoides* (v.c.96) **149** 65
- Sagittaria sagittifolia* (v.c.8) **142** 36; (v.c.H33) **150** 46
- Salicaceae – Notable family with stipules **144** 30
- Salicornia pusilla* (v.c.H12) **143** 54
- Salisbury Plain Training Area, near Imber, A tank track snaking its way across the, (Photo) **142** 33
- Salix* hybrids – Further common problems with field identification (Illus.) (Photo) **147** 15, 17-18
- Salix* spp – stipules absent in some spp. **144** 30
- stipules of early lvs much reduced compared to older lvs **144** 30
- Salix* × *calodendron* (*S. caprea* × *S. cinerea* × *S. viminalis*) (Descr.) (Illus.) **147** 15-18

- Salix caprea* – host of *Hypopitys monotropa* (v.c.77) **145 64**
 – *Salix cinerea* & *Salix viminalis*, Hybrids between, **147 15**
- Salix caprea* × *S. viminalis* (*S* × *smithiana*) – now correct binomial **148 64**
- Salix caprea* × *S. viminalis* (*S.* × *sericans*) – now incorrect binomial **148 64**
- Salix cinerea* (Descr.) (Illus) **147 17-18**
 – now correct binomial **148 64**
- Salix cinerea* × *S. viminalis* (*S.* × *smithiana*) – now incorrect binomial **148 64**
- Salix cinerea* ssp. *oleifolia* – infested by *Viscum album* in v.c.24 **141 19**
- Salix daphnoides* (Descr.) **144 54**
- Salix euxina* (*S. fragilis* var. *decipiens*) (Descr.) **142 20**; (v.cc.88 & 89) **142 22**; (v.c.95) **142 21**; (v.c.96) **142 22**
 – naturalised along the River Spey, Scotland [Map, Photos] **142 20-22**
- Salix* × *fragilis* (*S. alba* × *S. euxina*) **142 20**
 – infested by *Viscum album* in v.c.24 **141 19**
- Salix fragilis* var. *decipiens* (*S. euxina*) (Descr.) **142 20**
 – synonymised with *S.* × *fragilis* **142 20**
 – in UK is *S. euxina* **142 20**
- Salix* × *fragilis* var. *furcata* with *Salix euxina* showing characteristic features (Photo) **142 21**
- Salix herbacea* (v.c.75) **144 43**; (v.c.108) **147 62**; (v.c.110) **146 38** (v.c.H33) **150 48**
- Salix* × *holosericea* (*S. cinerea* × *S. viminalis*) (Descr.) (Illus.) **147 15-18**
 – & *S.* × *smithiana*, Leaves of, (Photo) **147 18**
 – now correct binomial **148 64**
- Salix irrorata* (Descr.) (v.c.66) **144 54**
 – Cowpen Marsh, Middlesborough (v.c. 66) (Photo) **144 54**
- Salix myrsinifolia* – woodland at Loudon Hill (v.c.75) **144 41**
- Salix purpurea* – banks of Salisbury Avon (v.c.8) **142 36**
 – stipules absent **144 30**
- Salix reticulata* on Ben Lawers (Photo) **144 75**
- Salix* × *sericans* (*S. caprea* × *S. viminalis*) – now incorrect binomial **148 64**
- Salix* × *smithiana* (*S. caprea* × *S. viminalis*) (Descr.) (Illus.) **147 15-18**
 – & *S.* × *holosericea*, Leaves of, (Photo) **147 18**
 – (*S. cinerea* × *S. viminalis*) now incorrect parentage **148 64**
 – (*S. caprea* × *S. viminalis*) now correct parentage **148 64**
- Salix viminalis* hybrids: beware name switching **148 64**
- Salsola kali* (v.c.9) **143 45**; (v.c.75) **144 42**
- Salsola kali* subsp. *kali* (v.c.81) last previous record 1960 **144 22**
- Salvia forsskaolei* (Descr.) (Photo) (v.cc.9, 19) **146 42**
- Salvia hispanica* (Photo) (1st record v.c.3) **147 40, 41**; **148 41**; (v.cc.6, 12) **147 40**; (v.c.14) **147 40, 150 50**; (v.cc.23, 29, 39, 40) **147 40**; (1st record v.c.44) **147 40, 148 41**; (1st record v.c.49) **149 64**
 – first ever crop of British Chia grown in Essex **150 50**
- Salvia verbenaca* (v.c.85) **149 59**; (v.c.H20) **148 74**
- Sambucus* – now in Adoxaceae in Stace 4 **141 11, 12**
- Sambucus nigra* – has stipels, stipule-like outgrowths **144 29-30**
- SANFORD, MARTIN – Rev. of *Flora of Cambridgeshire* by Alan Leslie **144 78-79**
- Sanguisorba minor* – dry calcareous grassland indicator species **148 35**
- Sanguisorba officinalis* (v.c.7) **142 37**; (v.c.95) **145 19**; (v.c.H27) **149 68**
 – constituent of wildflower seed mixtures **145 21**
 – Distribution in Scotland **145 19**
 – seeds survive ingestion by cattle **145 19**
- Sankey, Ann – retires after 20 yrs as VCR for v.c.17 (Biog.) **149 58**
- Sanvitalia procumbens* – often miss-sold as *Melampodium* **141 13**
- Sarker, Fal – Nature for the visually-impaired (Exbt 2019) **143 56**
- Sarracenia purpurea* – eradicated from Aberthy Forest (v.c.96) **150 62**
 – in Scotland [Photos] **150 62-63**
 – invasive risk assessment available on-line **142 5**
 – Rannoch Moor by Roy Sexton, joint winner in the Alien category (Photo) **149 84**
 – Rannoch Moor (v.c.88) only extant site in Scotland **150 62**
 – reasons & methods of eradication **150 62-63**
- Saule, Marcel – *Nouvelle Flore Illustrée des Pyrénées* (Rev.) (Photo) **141 76-77**
- Saururus cernuus* (Descr.) (v.cc. 2, 12, 17) **144 50**, (v.c.35) **145 46**; (v.cc.38, 40, 63) **144 50**
 – potentially invasive **144 50**
- Saussurea alpina* – *Rhodiola rosea* & *Cystopteris fragilis* on ledge on Tahabhal, Uig [v.c.110] (Photo) **146 39**
 – Uig and the Beirigh peninsula (v.c.110) **146 38-39**
- Savidge, John Peter, (1933-2021) (Obit) (Photo) **150 83-84**
 – Report of death of **150 84**
- Saxifraga* × *arendsii* [*S.* 'Arendsii'] (Photo) (1st record v.c.109) **144 15**
- Saxifraga aizoides* (v.c.H33) **150 49**
- Saxifraga cespitosa* (v.c.49) **148 70**
- Saxifraga cuneifolia* (Descr.) (Photo) (v.c.59) **148 41, 42**; (v.c.64) **142 45**
- Saxifraga cymbalaria* (v.c.64) **143 54**
- Saxifraga fortunei* – naturalised indoor tropical weed (v.c.83) **145 51**
- Saxifraga hirsuta* (1st record v.c.111) **144 15**
- Saxifraga hostii* (Photo) (v.c.64) **142 45**
- Saxifraga hypnoides* (v.c.48) **145 63**; (v.c.49) **145 63**; (v.c.67) **145 61**; (v.c.H33) **150 47**
- Saxifraga oppositifolia* (Photo) (v.c.48) **144 72**; (v.c.64) **143 55**; (v.c.110) **146 38-39**
- Saxifraga rosacea* ssp. *rosacea* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141 5**
- Saxifraga stellaris* (v.c.75) **144 43**; (v.c.H3) **142 63**; (v.c.H33) **150 48**
- Saxifraga tridactylites* (1st Skye record v.c.104) **144 14**
 – recent resurgence in v.c.21 **145 37**
- SAYER, CARL, & JO PARMENTER – Resurrection of a Norfolk [v.c.27] pond gem: Grass-poly *Lythrum hyssopifolia* [Map] [Photos] **146 11-14**
- Scabiosa columbaria* (v.c.47) **141 32**; (v.c.82) **147 62**; (v.c.85) **145 64**
 – dry calcareous grassland indicator species **148 35**
 – important for micro moth *Rhopobota stagnana* larvae **148 36**
- Scabiosa ochroleuca* (Descr.) (v.c.9) **147 41**
- Scandix pecten- veneris* (v.c.85, 89) **145 64**
- Schedonorus giganteus* (v.c.48) **142 63**
- Scheuchzeria palustris* (v.c.97) **143 51**

- Schoenoplectus lacustris* (v.c.35) **145 62**
Schoenoplectus tabernaemontani (v.c.35) **146 63**
Schoenus ferrugineus (v.c.97) **143 51**
– reported from v.c.97 in error **145 65**
Scilla bifolia (Descr.) (v.c.12) **147 42**
Scilla forbesii (1st record v.c.50) **145 64**
Scilla peruviana (Photo) (v.c.6) **146 41**
Scilla verna (v.c.52) **142 62**; (Photo) (v.c.75) **144 42**;
(v.c.108) **144 14, 147 62**
Scilly Wild Flowers, Discovering Isles of, (Rpt) **146 62**
Scleranthus annuus (Habitats) **142 22**; (v.c.10) **145 61**
– Birkdale Common (v.c.59) 24 associates found (9 taxa listed) **142 23**
– Changing status of, on the Sefton Coast, north Merseyside [Photos, Table] **142 [i], 22-26**
– large decline in England since 1930s **142 22**
Scleranthus annuus ssp. *annuus* (v.c.10) **148 27**
Scleranthus perennis (v.c.43) **141 61**
Scorer, Dr R.C. – Report of death of **148 80**
Scorzonera hispanica (v.cc.11, 14, 16, 17, 24) **149 48**;
(Photo) (1st record v.c.27) **149 48**; (v.cc.37, 40) **149 48**
Scorzonerooides autumnalis (Descr.) (Photo) **147 39**
Scotland – Act 2011, Wildlife and Natural Environment – problems with aliens **145 82**
– Alchemilla. *A Study of the Alchemilla Micro-species Found in Northern*, by Barbara G. Hogarth (Rev.) **146 78-79**
– Checklists **141 60**
– Committee for, – 2 members co-opted re younger botanists **145 65**
– Country Roundups, (Photo) **141 59-60**; (Photos) **142 59-61**; (Photo) **143 50-51**; (Photo) **144 73**; **145 64-64**; (Photos) **146 65-67**; (Photos) **147 61-62**; (Photos) **148 70-73**; (Photos) **149 65-67**
– Covid 19 positives as well as negatives **147 61-62**
– Floras in the pipeline **141 60**
– Look forward, embrace Alien Species **145 82-84**
– Rare Plant Registers **141 60**
– Wildflower seed market in, (technically) illegal **145 82**
SCOTT, NICK, & MICHELINE SHEEHY SKEFFINGTON – How Irish place names can be used to locate rare species [Photos] **150 34-36**
Scottish Botanists' Conference (SBC)
– 2019 **142 61**; details & reports on BSBI website **143 50**
– 2020, & Annual Exhibition Meeting and AGM – online only due to Covid restrictions **145 57**
– 2020, 1st major online BSBI conference (Photo) (Rpt) **146 66**
– 2020, talks & workshops on BSBI YouTube channel **146 66**
– 2021, exhibits, talks & workshops available online **149 65-66**
– 2021, virtual via Zoom **148 59**; (Rpt) **149 65**
Scottish flora, Overlooked archaeophytes in the, - case studies from the Scottish Borders [Photos] **142 17-20**
Scottish Gaelic & Welsh place names on UK Ordnance Survey web page **150 36**
Scottish Hectad Rare Plant Project (search online for 'BSBI SHARPP' **148 73**
Scottish legislation over-zealous & potential obstacle to conservation **145 82**
Scottish records – Nearly 240,000 made in 2018 **141 60**
Scottish vice-county reports in 2021 *Scottish Newsletter* **147 62**
Scrophularia auriculata (v.c.97, 103) **145 65**; (v.c.111) **145 20**
– Distribution for 1987–1999 & 2000–2019 (Maps) **145 20**
Scrophularia scorodonia – moved to Parking List in Red Data List (2017-2018) **141 6**
Scrophularia vernalis (Descr.) (v.c.12) **149 46**
Scrophulariaceae – Notable family without stipules **144 30**
Scrub invasion possibly the most serious threat to native taxa **142 6**
Scutellaria galericulata (Descr.) (v.c.21) **145 34**
Seagrasses – sometimes called Eelgrasses **141 25**
Secrecy re sites of rare plants led to loss of knowledge **148 29**
Secretary, From the Hon Field Meetings **141 78-79**
Securigera varia (Descr.) (Photo) (v.c.63) **146 46**
Sedum – splits into *Rhodiola*, *Sedum*, *Pheidimus*, *Hylotelephium* & *Petrosedum* in Stace 4 **141 12**
Sedum acre (v.c.58) **147 24**
Sedum fosterianum (v.c.48) **143 49**
Sedum hispanicum (v.c.13) **145 44**
Sedum hispanicum (v.c.16) **143 36**
Sedum kimmachii (Photo) (v.c.14) **145 44**
Sedum cf. *kimmachii* (v.c.113(G)) **150 57**
Sedum rosea (v.c.48) **145 63**
Sedum villosum (v.cc.72, 73) **148 70**; (v.c.79) **146 66**
Seed dispersal via Continental road traffic **146 9**
Seeds from Ware 2021 **146 60**
Seek – Comments on Smartphones and tablets id app.; screenshot (Photo) **144 37-38**
Sefton Coast, north Merseyside, Changing status of *Scleranthus annuus* (Annual Knawel) on the, [Photos, Table] **142 22-26**
Sefton Coast, Wildflowers of the, (by Philip H. Smith) (Rev.) **149 78-79**
Selaginella kraussiana – naturalised indoor & out tropical weed (v.c.83) **145 51**
Selaginella selaginoides (v.c.48) **145 63**
Senecio – splits to *Senecio* & *Jacobaea* in Stace 4 **141 12**
Senecio and *Jacobaea*, differences between species of ragworts (Exbt 2019) **143 56**
Senecio cambrensis (v.c.50) **142 63**
Senecio inaequidens (v.c.27) **142 43**; (v.c.49) **149 64**;
(v.c.50) **149 65**; (v.c.69) **144 54**; (v.c.83) **144 54**
– trending alien **141 41**
Senecio minimus (Descr.) **141 53**; (v.cc.1b, 49, H6) **147 47**; (Photo) (v.c.H21) **141 53, 147 47**
– becoming naturalised in Killiney/ Dalkey, south v.c.H21 [Photos] **141 52-54**
Senecio squalidus (v.c.28) **142 44**
– neophyte colonizer of railway ballast in Scottish Borders **142 17**
Senecio vernalis (Descr.) (1st record v.c.19) (v.cc.8, 11, 13, 32, 46, 59) **142 43**
Senecio vulgaris – commonest species recorded in Urban Flora Project (Scotland) **145 32**
Serapias – Molecular systematics (Fig. 1, 2, 3) **145 7, 8, 9**
Serapias species – difficulty in determining status **148 66**
Serapias cordigera (v.c.15) **146 7**; (v.c.63) **148 66**
Serapias lingua (v.c.3) **146 7**; (v.c.19) **141 5, 146 7**;
(v.c.113(G)) **146 7**
– added to Red Data List (2019-2020) **147 29**

- added to Waiting List in Red Data List (2017-2018) **141 5**
- Serapias parviflora* (v.c.2) **146 7**
- added to Red Data List (2019-2020) **147 29**
- not seen in GB since 2008, Red Data List Waiting List species added to Main List (Photo) **147 29**
- on Red Data Waiting List **141 5**
- possible origin in London & Suffolk **148 66**
- Serapias vomeracea* (Descr.) (Photo) (1st BI record, v.c.15) **146 6, 7, 9; 146 61**
- first wild record for Britain and Ireland [v.c.15] [Photos] **146 7-10**
- survives planted on Somerset road verge **146 8**
- Serratula tinctoria* – (v.c.7) **142 37; (v.c.47) 141 35; (v.c.48) 148 69; (Photo) 149 85**
- regionally extinct over much of Greater London **145 34**
- Setaria pumila* (v.c.6) **144 56; (v.c.35) 149 62; (v.c.58) 141 45**
- Setaria verticillata* (v.c.35) **149 62**
- Setaria viridis* (v.c.6) **144 56; (v.c.58) 141 45**
- SHANKLIN, JONATHAN – 2019 Annual Summer Meeting, Malham Tarn (v.c.64) [Photo] **143 54-56**
- BSBI England Committee & Future Events **144 68**
- England Committee **143 3-4**
- *English Botanical News* **145 57**
- Field Meetings 2020 **143 4; 145 4; 2021 146 58; 147 54; Update 2021 148 59; 2022 149 56-57**
- From the Field Meetings Secretary **141 78-79; 142 76**
- Meetings & Communications Committee **141 78-79**
- Project for England **150 73-74**
- Shanklin, Jonathan – now sole VCR for Cambs (v.c.28) **141 79**
- Sharkey, Gerry, retires as VCR for E. Mayo (H27) & W. Mayo (H28) after 30 yrs (Biog.) **146 60**
- SHAW, ANDREW – The Rare British Plants Nursery **146 60**
- SHAW, JULIAN, – A new identity for a naturalised Chilean *Oxalis* **146 55-56**
- Shaw, Michael Maurice (1949-2020) (Obit.) (Photo) **147 70-72**
- at Booth Museum of Natural History (Brighton) 2015 (Photo) **147 70**
- *Hawkweeds of South-East England* by, (Rev.) **145 76**
- Report of death of **147 72**
- SHEEHY SKEFFINGTON, MICHELINE, & NICK SCOTT – How Irish place names can be used to locate rare species [Photos] **150 34-36**
- Sheppard, Ralph (VCR-H35) has a new email address **147 55**
- Sherardia arvensis* – Loch Hallan SSSI (v.c.110) **146 36**
- SHIMWELL, DAVID – Rev. of *Who Discovered the "Teesdale Rarities"?* (by Frank Horsman) **148 85**
- SHIMWELL, DAVID, & PATRICIA GRAHAM – Mystery of *Ophioglossum vulgatum* in Bishop Auckland [v.c.66] [Photos] **146 21-24**
- *Orobanche minor* var. *heliophila* in Bishop Auckland [v.c.66] 2019-2020; observations on the invasion of an alien holoparasite [Photos] **147 19-21**
- Shingle Street colony [v.c.25], Small part of the, of *Verbascum speciosum* (Photo) **142 51**
- SHORT ARTICLES **141 19-30; 142 12-32**
- SHORT NOTES **143 58**
- Showler, Dr Alan J. – report of death of **143 67**
- SHUTTLEWORTH, SARAH – National Plant Monitoring Scheme: Species lists and interactions [Photos] **148 35-36**
- Sibthorpia europaea* (v.c.41(E)) **145 62; (Photo) (v.c.42) 147 [1], 60, [82]; (v.c.96) 142 59**
- *Rubus fruticosus* agg. encroaching on former cattle-poached area, East Coombe, Cornwall (Photo) **142 7**
- Sidalcea malviflora* (Descr.) (v.c.27) **147 43, 48**
- Silaum silaus* (v.c.7) **142 37; (v.c.47) 141 34**
- constituent of wildflower seed mixtures **145 21**
- Silene acaulis* – Uig and the Beirigh peninsula (v.c.110) **146 38-39; (Photo) 146 39**
- Ross; winner of the 2021 BSBI Photographic Competition in the Native category (Photo) **149 57, 84**
- Silene baccifera* (Descr.) (v.c.13, 28) **149 46**
- Silene conica* (v.c.44) **142 62**
- Silene coronaria* (v.c.H12) **143 40**
- sample image for AI id. (Photos) **144 35**
- Silene dichotoma* (Descr.) (v.c.10) **147 41; 150 51; (v.c.11) 150 51; (v.c.12) 150 52**
- may be introduced with ‘wild flower mixes’ or as an impurity in an arable crop. **150 50**
- Silene flos-cuculi* (v.c.110) **148 72**
- Silene gallica* (v.c.10) **148 26; (v.c.44) 142 62; (v.c.112) 147 62**
- Silene noctiflora* (v.c.10) **148 26**
- Silene schafta* (v.c.40, 64) **146 46**
- Silene uniflora* (v.c.110) **142 60**
- Silene viscaria* on south crags, Craig Breidden [v.c.47] (Photo) **141 32**
- Silverside, Alan – retires as VCR for Wigtowns (v.c. 74) after 42 years in post (Biog.) **144 65**
- Sinacalia tangutica* (Descr.) **141 43; 143 38; (v.c.64) 143 38**
- Sisymbrium altissimum* (v.c.35) **143 49**
- Sisymbrium irio* – abundance fluctuates (Photos) (v.c.21) **145 34, 35**
- Sisyrinchium bermudiana* (Photo) **149 69; (Photo) (v.c.H20) 148 74**
- Sisyrinchium californicum* (v.c.60, 63, 64) **144 53-54**
- Sium latifolium* (v.c.H33) **150 45**
- Skye Botany Group project – *Polypodium* & *Ophioglossum* **149 66**
- Skyles, Nan – beginners botany in North-east Yorkshire (v.c.62) **142 13**
- Skyring, Iona – *North Face Survey, The. Discovering the Hidden Side of Ben Nevis*, (ed. by) (Rev.) **144 81-82**
- Slater, Dr F.M. – congratulated on 60 yrs membership **149 55**
- Sloane's, Hans, – *The Collectors - Creating, Extraordinary Herbarium*, ed. by Mark Carine (Rev.) **147 78**
- Smart, Simon – new joint VCR for S. Ebudes (v.c.102) (Biog.) **143 58**
- Smartphones – using as GPS units **142 39**
- Smartphones and tablets– Artificial Intelligence for plant identification on, [Illus., Photos, Tables] **144 34-40**
- 10 free automatic plant id apps compared **144 33; (Table) 144 36**
- Summary results for the top five apps across all 38 images (Table) **144 36**
- Smilax* – stipules modified into tendrils **144 30**
- Smith, Les, with Peter Garner & Mark Jannick – *The Rare Plants of Herefordshire* (Rev.) **143 69-70**
- SMITH, PAUL A. – Introducing my vice-county – Outer Hebrides (v.c.110) [Photos] **146 34-39**

- SMITH, PHILIP H. – *Catabrosa aquatica* var. *uniflora* at Hightown sand dunes, Merseyside (v.c.59) [Photos] [Tables] **150** 24-27
– Exceptional diversity of strandline plants at Ainsdale-on-Sea, Merseyside [v.c.59] [Graphs] [Photos] [Tables] **149** 3-10
- Smith, Philip H. – *Wildflowers of the Sefton Coast* (Rev.) **149** 78-79
- SMITH, PHILIP H, *ET AL.* – Changing status of *Scleranthus annuus* on the Sefton Coast, north Merseyside [Photos, Table] **142** 22-26
- SMITH, ROGER – *Brachypodium phoenicoides*; new to South Devon (v.c.3) and Britain [Photos] **143** 41-43
- Smith, Stuart, with Peter Stroh *et al.* – *Grassland Plants of the British and Irish Lowlands* (Rev.) **143** 68
- Smyrnium olusatrum* (v.c.H21) **141** 54
- SMYTH, SARAH – *Sarracenia purpurea* in Scotland [Photos] **150** 52-63
- Solanaceae – Notable family without stipules **144** 30
- Solanum chenopodioides* (Descr.) (v.c.10, 18, 28) **143** 37; (1st record v.c.29) **143** 37; **144** 53
– ‘Plant container alien’ (v.c.10) **141** 42
- Solanum dulcamara* (v.c.63) **143** 7, 8
- Solanum laciniatum* (v.c.H21) **141** 54
- Solanum lycopersicum* (v.c.64) **149** 52
- Solanum nigrum* (1st record v.c.104) **147** 62
- Solanum pseudocapsicum* (Descr.) (1st record v.c.14) **149** 47
- Solanum tuberosum* (v.c.64) **149** 52
– Pseudostipules in Solanaceae (Illus.) **144** 29
- Solidago virgaurea* (v.c.H37) **148** 74
- Soliva* – merged into *Cotula* in Stace 4 **141** 13
- Somerset Rare Plant Register project **142** 57
- Somerset Rare Plants Group (SRPG) **141** 23
– Members studying *Carex humilis* (Photo) **142** 57
- Sonchus arvensis* (Photo) (Descr.) **147** 39
- Sonchus asper* (Descr.) **147** 39
– native in Scottish Borders **142** 19
- Sonchus oleraceus* (Descr.) **147** 39; (v.c.9) **141** 30; (v.c.14) **141** 47; (v.c.21) **145** 34
– possible archaeophyte in Scottish Borders **142** 19
- SONNBERGER, DR BERND – The Good, the Bad and the Ugly – Another Personal View on *Impatiens glandulifera* **143** 79-80
- Sorbus* – extra taxa in Stace 4 **141** 10
- Sorbus* spp. – threat statuses for 12 taxa amended in Red Data List (2019-2020) **147** 29
– *Viscum album* host in v.c.25 **143** 26
- Sorbus* taxa endemic to Arran considered endangered **146** 16
- Sorbus anglica* (v.c.47) **141** 32
- Sorbus aria* – infested by *Viscum album* in v.c.24 **141** 19
- Sorbus arranensis* – apomictic hybrid between *S. aucuparia* and *S. rupicola* **146** 15
– threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus aucuparia* (v.c.57) **145** 27
– infested by *Viscum album* in v.c.24 **141** 19
- Sorbus bristolensis* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus devoniensis* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus evansii* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus greenii* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus lancastricensis* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus porrigentiformis* (v.c.36) **146** 63
– threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus pseudofennica* – apomictic backcross between *S. arranensis* and *S. aucuparia* **146** 15
– threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus pseudomeinchii* (Photo) (v.c.100) **146** 15, 16, 67
– apomictic backcross between *S. pseudofennica* and *S. aucuparia* **146** 15
– arguably one of the world’s rarest trees **146** 15, 67
– Discovery of a second extant plant of Arran’s False Rowan [Photos] **146** 15-16, 67
– of 3 original trees only one survived **146** 15, 67
- Sorbus richii* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus spectans* – added to Red Data List (2019-2020) **147** 29
- Sorbus stirtoniana* – endemic to Breidden Hill, v.c.47 **141** 32
- Sorbus subcuneata* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus torminalis* – woodland (v.c.7/8) **142** 37
- Sorbus vexans* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorbus whiteana* – threat status amended in Red Data List (2019-2020) **147** 29
- Sorghum halepense* – Prior Park, Bath (v.c.6) **144** 56
- Sparganium angustifolium* (v.c.47) **141** 33
- Sparganium emersum* (v.c.8) **142** 35; (v.c.63) **143** 6-11
- Sparganium erectum* (v.c.63) **143** 6, 8, 9, 11
- Species characteristic of garden habitats (Table 3) **150** 16
- SPENCER, MARK – Introducing my Vice-county – Middlesex (v.c.21) [Illus., Photos] **145** 33-38
- Spencer, Mark – *Murder Most Florid*: Inside the Mind of a Forensic Botanist by, (Rev.) **145** 78-79
– (VCR 21) – email address corrected **147** 55
- Spencer, Roger, & Rob Cross – *Plant Names*. A Guide to Botanical Nomenclature (4th edn) by (Rev.) **146** 81-82
- Spergula arvensis* (v.c.35) **142** 63
- Spergularia* – Interpetiolar stipules **144** 28
- Spergularia arvensis* – sample image for AI id. (Photos) **144** 35
- Spergularia marina* – roadside halophyte associate of *Lysimachia minima* **145** 17
– roadside halophyte in v.c.67 **149** 30
- Spergularia media* (1st record v.c.47) **141** 62
- Spergularia rupicola* – Alisa Craig (v.c.75) **144** 42
- Spey, River, Scotland – monad distribution map of *Salix euxina* (Map) **142** 21
– *Salix euxina* naturalised along the [Map, Photos] **142** 20-22
- Spicer, Mr D.P. – Report of death of **146** 76
- Spiraea* – stipules absent **144** 30
- Spiranthes aestivalis* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Spiranthes romanzoffiana* (1st Welsh record v.c.46) **143** 48; **145** 63; (v.c.102) **149** 67; (v.c.H27) **149** 68; (v.c.H33) **150** 46
- Spiranthes spiralis* (v.c.52) **143** 50

- successful seed germination (MSB) **142** 15
Spirodela polyrhiza (v.c.8) **142** 36; (v.c.47) **146** 64; (1st record v.c.79) **146** 66
- SPOONER, BRIAN – Martin John [Cragg]-Barber (1954-2019) (Obit.) [Photo] **145** 66-69
- Spratt, Sharon – joins retiring VCR Ian McNeill in Tyrone v.c.H36 **145** 58
- Spreading the word about BSBI **147** 56
 – three new ways announced **147** 56
- Spring flowers at Mullion Cove, The Lizard (v.c.1) (Photo) **141** 40
- Spurges, erect – stipules absent **144** 29
- Spurges, prostrate – stipules free or absent **144** 28
- Stace Fourth Edition. What's new? [Photos] **141** 10-13
 – 200 extra taxa **141** 10
 – accounts removed of aliens only recorded pre-1999 **141** 10
 – detailed list covering all types of changes on BSBI website: <https://bsbi.org/taxon-lists> **141** 11
 – Taxonomic changes: general observations **141** 11
- STACE, CLIVE – (COMPILER) Reviews **143** 68-75; **144** 78-84; **145** 76-81; **146** 77-82; **147** 73-78; **148** 81-87; **149** 76-81; **150** 85-88
 – distinction between *Verbascum pulverulentum* and *V. speciosum* (Photos) **142** 50-51
 – Free journals available **150** 77
 – New Flora of the British Isles [Table] **148** 62
 – *New Flora of the British Isles*, Edition 4 (2019) [corrections in reprint] **142**
 – Novelties in your garden [Photo] **142** 48-49
 – Rev. of *Around the World in 80 Trees* by Jonathan Droni **146** 80
 – Rev. of *Arran's Flora*. Fully Revised Checklist by Tony Church **143** 75
 – Rev. of *Driven by Nature* (by Peter H. Raven) **148** 86
 – Rev. of *Flora Iberica. Volume XIX (2), Gramineae (partim)* (by S. Castroviejo (Coordinador General); C. Romero Zarco *et al.* (eds of this volume) **150** 87-88
 – Rev. of *Heukels' Flora van Nederland* (24th edition) by H. (Leni) Duistermaat **145** 79-80
 – Rev. of *Nova Flora Neerlandica. Lycopodiopsida & Polypodiopsida* (by R. Haveman *et al.*, (eds)) **150** 85
 – Rev. of *The Whole Story*. Painting More Than Just the Flowers by Christina Hart-Davies **147** 78
 – Rev. of *Essex Botany*. Newsletter of the Essex Botanical Society, nos. 1-9, 2015-2019 Ed. Ken Adams **142** 75
 – Rev. of *Nouvelle Flore Illustrée des Pyrénées* by Marcel Saule (Photo) **141** 76-77
 – The BSBI Archive **150** 76-77
- Stace, Clive – Birth and Evolution of the *New Flora of the British Isles* (Talk at AEM 2019) **143** 56
 – congratulated on 2019 Marsh Botany Award **147** 55
 – welcomed as Book Review coordinator **143** 2
- Stachys alpina* (v.c.34) **146** 61
- Stachys annua* (Descr.) (Photo) (1st recent record v.c.6) **149** 44
- Stachys arvensis* (v.c.35) **142** 63; **149** 62; (v.c.47) **146** 64; (v.c.79) **146** 66
- Stachys germanica*, Jo Dunn at 'her', site, 1985 (Photo) **146** 73
- Staphylea pinnata* – has stipels, stipule-like outgrowths **144** 29-30
- Status – Changing, of *Scleranthus annuus* (Annual Knawel) on the Sefton Coast, north Merseyside [Photos, Table] **142** 22-26
 – verification proposed for all selected indicator species of presumed climatic change **146** 24
- Stead, Martyn, An intrepid at, Craig Benglog (v.c.48) (Photo) **143** 49
- Stellaria holostea* – Phenology of *Geum urbanum* & **148** 9
- Stellaria pallida* (v.c.47) **141** 31
- Stellaria palustris* (v.c.47) **141** 35; **146** 64; (v.c.H33) **150** 46
- Stenogrammitis jamesonii* in Ireland (Exbt 2019) **143** 56
- Stenogrammitis myosuroides* 2nd BI locality (v.c.H1) **149** 68
- Stephenson, Revd Thomas, (1866-1948) (Biog.) **148** 33-34
- Stern, Roderick Carter, (1928-2019) (Obit.) (Photo) **141** 68-70
 – report of death of **141** 75
- Steveniella* – Molecular systematics (Figs 2, 3) **145** 8, 9
- Stevenson, Mr C.R. – Report of death of **142** 69
- Stewart, Nick – Charophyta referee, new address **141** 79
- Stille, Sarah – retires as VCR for Merioneth (v.c.48) (Biog.) **143** 49, 57; **145** 62
- Stinchar, River, (v.c.75) – Broadleaved woodland, often ancient by, (Photo) **144** 43
- Stipa* – splits to *Stipa*, *Stipellula* & *Celtica* in Stace 4 **141** 12
- Stipellula* – splits from *Stipa* in Stace 4 **141** 12
- Stipels – stipule-like outgrowths **144** 29
- Stipules – a brief introduction [Illus.] **144** 28-31
 – Notable families with & without, **144** 30
- Stoneworts, Kilroosky Lough [v.c.33] with submerged, (Photo) **150** 46
- STRACHAN, IAN – Country Roundups – Scotland (Photos) **142** 59-61; (Photo) **143** 50-51; (Photo) **144** 73; **145** 64-65; (Photos) **148** 70-73; (Photos) **149** 65-67
 – Rev. of *Isle of Bute Flora* by Angus Hannah (Rev.) **142** 70
- STRACHAN, IAN & JIM MCINTOSH – Country Roundups – Scotland (Photos) **146** 65-67
- Strandline plants, Exceptional diversity of, at Ainsdale-on-Sea, Merseyside [v.c.59] [Graphs] [Photos] [Tables] **149** 3-10
- Stratiotes aloides* (v.c.47) **141** 35; (v.c.H33) **150** 45
- Street, A typical, in Heswall [v.c.58] with garden wall, pavement, grass verge, street and garden trees (Photo) **147** 23
- STREETER, DAVID – *Bunium bulbocastanum* on the South Downs [Map, Photos, Table] **147** 5-11
- STROH, PETE – Atlas Update **148** 60
 – Country Roundups – England (Photo) **141** 58-59; (Photos) **142** 56-58; (Photos) **143** 46-48; **144** 71-72; **145** 60-62; (Photos) **146** 61-63; **147** 58-59; (Photos) **148** 65-67; (Photos) **149** 60-62;
 – Panel of Vice-county Recorders **141** 79; **142** 76; **143** 57; **144** 65-66; **145** 58-59; **146** 60; **147** 55; **148** 60-61; **149** 57-58
 – Progress towards Plant Atlas 2020 **150** 74-75
- STROH, PETE, Compiler – COUNTRY ROUNDUPS **147** 58-63; **148** 65-74; **149** 60-69
- Stroh, Pete – England Officer to be supported by new English Committee **142** 2
- Stroh, Peter *et al.* – *Grassland Plants of the British and Irish Lowlands* (Rev.) **143** 68

- Stuckenia* – splits from *Potamogeton* in Stace 4 **141** 12
- Stuckenia* × *bottnica* – recorded in Ireland in absence of one of the parents **144** 18
- Stuckenia pectinata* (v.c.63) **143** 8
- Students, Recruitment drive targeted at, video on website, numbers doubled **149** 56
- STURT, NICK J.H. – Michael Maurice Shaw (1949-2020) (Obit.) (Photo) **147** 70-72
- Roderick Carter Stern (1928-2019) (Obit.) (Photo) **141** 68-70
- STYLES, JOSHUA, ET AL. – Changing status of *Scleranthus annuus* on the Sefton Coast, north Merseyside [Photos, Table] **142** 22-26
- Subscription Rates – increases listed **143** 3
- Succisa pratensis* (v.c.8) **150** 65
- important for micro moth *Rhopobota stagnana* larvae **148** 36
- regionally extinct over much of Greater London **145** 34
- Suffolk site of *Lysimachia europaea*, The, **146** 84
- Summerfield Books – Advert **141** 81
- Sumner, Judith – *Plants Go to War. A Botanical History of World War II* by, (Rev.) **144** 79-80
- Supporter Survey 2021 – details **148** 60
- Supporting the next generation of botanists **149** 56
- Swansea University Department of Biosciences – habitat restoration techniques **142** 63
- *Impatiens glandulifera* **142** 53
- *Reynoutria japonica* control methods **142** 53
- Swinscoe, Mr A. – Report of death of **148** 80
- Symphotrichum* – Referees sought **147** 55
- splits from *Aster* in Stace 4 **141** 12
- Symphotrichum novae-angliae* (1st record v.c.64) **144** 15
- Symphotrichum squamatum* (Photo) (1st record v.c.9) **147** 52
- Broadmayne, Dorset [v.c.9], [Photos] **147** 52
- Symphytum* × *hidcotense* – NWDC (v.c.27) (Photo) **147** 49
- Syringa meyeri* ‘Pablin’ – 1st British Record (v.c.69) (Descr.) **141** 46-47
- Syringa pubescens* (Descr.) **141** 47
- Syringa vulgaris* (Descr.) **141** 47
- Tagetes minuta* (v.c.11, 30, 41) **147** 42
- Tanacetum macrophyllum* (Descr.) (Photo) (v.c.6, 65) **149** 44, 45
- Tanacetum vulgare* – archaeophyte in Scottish Borders **142** 17, 18, 19
- history of distribution & status in Scottish Borders **142** 19
- medicinal uses (Photo) **142** 19
- ‘Tanks for the Memory’? *Thalictrum simplex* L. ssp. *galioides* - first record for Great Britain [Illus.] **150** 64-66
- Taraxacum* – An unknown Cardiff dandelion, nicknamed the ‘Pantmawr Giant’, possibly new to science (Photo) **149** 28
- Difficult plant problem [Photos] **149** 23-29
- *Field Handbook to British and Irish Dandelions* (Rev.) **150** 85-86
- Taraxacum* agg. (Descr.) **147** 37; (v.c.H21) **141** 54
- Taraxacum amicorum* – added to Red Data List (2019-2020) **147** 29
- Taraxacum atrocillinum* – added to Red Data List (2019-2020) **147** 29
- Taraxacum calophyllum* (v.c.100, 111) **141** 4
- added to Red Data List (2017-2018) **141** 4
- Taraxacum chlorofrugale* (v.c.44) **149** 63
- added to Red Data List (2019-2020) **147** 29
- Taraxacum chloroticum* (1st record v.c.44) **149** 63
- Taraxacum chrysoglossum* (Photo) **142** 60; (v.c.90) **142** 61; (v.c.100) **142** 60
- Taraxacum claudiae* (v.c.111) **141** 4
- added to Red Data List (2017-2018) **141** 4
- Taraxacum inclinorum* (v.c.5) **147** 29
- added to Red Data List (2019-2020) **147** 29
- Taraxacum isophyllum* – added to Red Data List (2019-2020) **147** 29
- Taraxacum oxoniense* account, Part of, from the latest BSBI Handbook on Dandelions (Photo) **149** 25
- Taraxacum pietii-oosterveldii* – added to Red Data List (2019-2020) **147** 29
- Taraxacum pseudomarklundii* (v.c.3) **147** 29
- added to Red Data List (2019-2020) **147** 29
- Taraxacum retzii* – threat status amended in Red Data List (2019-2020) **147** 29
- Taraxacum rubellum* – deleted from Red Data List (2017-2018) and replaced by *Taraxacum rufofructum* **141** 5
- Taraxacum rufofructum* – added to Red Data List (2017-2018) replacing *Taraxacum rubellum* **141** 5
- Taraxacum semiglobosum* (1st record v.c.44) **149** 63
- Taraxacum subheulphersianum* (1st record v.c.44) **149** 63
- Taraxacum texelense* – Moved from Red Data Main to Parking List (2019-2020) **147** 34
- Taraxacum trilobatum* (1st record v.c.44) **149** 63
- Targeting vanishing habitats, Planning fieldwork, [Map] [Photos] **148** 25-31
- Historical records and maps **148** 28-30
- Satellite image uses **148** 28
- Taxonomic philosophies should depend on mating system **150** 22
- Taxonomy of the genus *Cymbalaria*, Comparison of the, (22 taxa listed) (Table) **143** 14
- Taxus baccata* (v.c.64) **141** 51
- Tay, River, (v.cc.88 & 89) *Salix euxina* commonly regenerates on shingle beds **142** 22
- Taylor, Miss E.J. – Report of death of **148** 80
- TAYLOR, PAMELA – *Viscum album* near Burnham Beeches, Buckinghamshire [v.c.24] (Illus.) **142** 31
- Taylor, Pamela – Painting of tree infested with *Viscum album* (Illus.) **142** 31
- Teesdale and its flora: a climate change laboratory [Maps, Photos] **144** 45-47
- Teesdale Rarities?*?, “Who Discovered the, (by Frank Horsman) (Rev.) **148** 85
- Teesdale Red Sike survey area showing results for *Antennaria dioica* (Maps) **144** 46
- Tellima grandiflora* – specimens wanted **148** 64
- Temperature anomalies, UK mean, (Graph) **144** 4
- Temperatures, mean annual, for 21 met. stations, 1970–1979 & 2010–2019 (Maps) **145** 22
- TENNANT, DAVID J. – Rev. of *The North Face Survey. Discovering the Hidden Side of Ben Nevis*, by Iona Skyring (ed.) **144** 81-82
- Tephrosia integrifolia* (v.c.24) **147** 7
- Tephrosia integrifolia* ssp. *integrifolia* – Pewsey Downs (NNR) (v.c.7) **142** 35
- Tephrosia palustris* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141** 5
- Tetrad recording – time to think ‘outside the box’ **142** 13
- Tetragonolobus* – merged into *Lotus* in Stace 4 **141** 13

- Teucrium chamaedrys* (Photo) (v.c.14) **141 4**
– added to Red Data List (2017-2018) **141 4**
- Teucrium hircanicum* (Descr.) (v.cc.14, 29) **146 43**
- Thalictrum* – has stipels, stipule-like outgrowths **144 29-30**
- Thalictrum flavum* (Descr.) **141 42**; (v.c.7) **142 37**; (v.c.44) **142 62**; (v.c.H33) **150 46**
- Thalictrum flavum* ssp. *glaucum* synonym of *T. flavum* **141 42**
- Thalictrum minus* (v.c.48) **145 63**; [(Photo) (v.c.102) **144 27**
– should be treated as a single variable species in Britain and Ireland [Map, Photo] **144 25-27**
– segregates – 8 taxa added to Red Data Waiting List (2019-2020) **147 33**
- Thalictrum simplex* – Original scan of the September 1997 specimen (Illus.) (v.c.8) **150 64**
- Thalictrum simplex* ssp. *galioides* – European distribution **150 66**
– Salisbury plain v.c.8, discovered 1997, possibly extinct by 2020 **150 65**
– ‘Tanks for the Memory’? – first record for Great Britain [Illus.] [v.c.8] **150 64-66**
- Thalictrum speciosissimum* (Descr.) (v.c.6) **141 41**
– Burrington Ham, v.c.6 (Photo) **141 42**
- Thesium humifusum* – Wiltshire **142 33**
- Thetford, Norfolk (v.c.26), Habitat of the newly discovered colony of *Helosciadium repens* with Fred Rumsey and the author examining the plants (Photo) **146 4**
- Thiers, Barbara M. – *Herbarium. The Quest to Preserve & Classify the World’s Plants* (Rev.) **148 81**
- Thladiantha dubia* (Descr.) **141 48**; (1st British Record v.c.14) **141 47**; (v.c.17) **148 40**
– Habitat and associates UK & overseas **141 49**
– Newhaven [v.c.14], neophyte previously unrecorded in Britain and Ireland? [Photos] **141 49-52**
- Thlaspi arvense* (v.c.44) **145 63**
- Thomas, Barry A. & Christopher J. Cleal – *Introduction to Plant Fossils* (Second Edition) by, (Rev.) **144 84**
- Thomas, Sam – Records of *Pilea microphylla* from tropical greenhouses in Britain and Ireland, (Table) (v.c.17, **44, 83, H21, H39**) **144 59**
- Thompson, Mr N.A. – Report of death of **144 77**
- Thompson, William Aldred (1936-2019) (Obit.) **142 66-67**
– report of death of **141 75**
- THORNE, KATE & FOULKES, GILL – Introducing my Vice County; Montgomeryshire v.c.47: Recorders [Photos] **141 31-35**
- Thorogood, Chris, & Fred Rumsey – *Broomrapes of Britain & Ireland. A Field Guide to the Holoparasitic Orobanchaceae* (Rev.) **149 76**
- Threatened habitats & plants – targeting fieldwork (v.c.10) **148 25**
- Threatened Plants Projects, results, BSBI’s, **142 5**
- Threatened species make bad indicators **149 83**
- Thrush, Mistle – vector of *Viscum album* **143 27**
- Thuja* – extra taxa in Stace 4 **141 10**
- Thujopsis* – extra taxa in Stace 4 **141 10**
- Thujopsis dolabrata* – misspelt as *dolobrata* in *New Flora* **142 32**
- Thunbergia alata* (Descr.) (Photo) (v.cc.9, 17, 20, 21) **143 34, 35**
- Thymus drucei* & *T. pulegioides* – important food plant for several moths (3 listed) **148 36**
- Thyselinum palustre* (v.c.6) **149 60**
- Tiarella* – specimens wanted **148 64**
- Tilia* – A hybrid, in Oxford Botanic Gardens infested with *Viscum album* (Photo) **142 30**
- Tilia* × *europaea* – Deformed and infested [by *Viscum album*] (Photo) **141 20**
– infested by *Viscum album* in v.c.22 **141 20, 21**; v.c.24 **141 19**
– primary host of *Viscum album* in v.c.25 study area **143 26**
- Tilia cordata* – infested by *Viscum album* in v.c.24 (Photo) **141 19**
- Tilia tomentosa* infested by *Viscum album*, v.c.24 **141 19**
- Timson, Dr J., – congratulated on 60 years membership **143 58**
- Tofieldia pusilla* (v.c.86) **141 59**
- Tolmiea menziesii* – specimens wanted **148 64**
- Tolypella glomerata* – Norfolk Ponds Project (v.c.27) **146 11**
- TOONE, GEOFF – Planning fieldwork targeting vanishing habitats [Map] [Photos] **148 25-31**
- Torilis arvensis* (v.c.23) **145 60**
- Torilis nodosa* (Descr.) **148 70**; (v.c.5) **142 58**; (v.c.55) **142 58**; (v.c.57) **145 47**; (v.c.82) **148 70**
- Torre, Dan – *Carnivorous Plants* (Rev.) **142 75**
- Trachycarpus fortunei* (Descr.) (v.c.11, 17) **145 43**
- Tradescantia fluminensis* (v.c.113(G)) **150 57**
- Training and Education Committee (T&E) **144 66**
- Training workshop – part of Ellen Hutchins Festival (v.c.H3) **144 74**
- Training workshops in Ireland in 2020 **144 74**
- Translocation of species – arguments against **146 82**
– usually involves ‘charismatic’ taxa **146 83**
- Translocation, Another view on, **146 82-83**
- Treasurer, Outgoing **145 57-58**
- Tree planting – & Net Zero de-carbonisation by 2050 in UK **150 40**
– BSBI data used to protect rare plants or important habitats **149 2**
– inappropriate, – BSBI, Woodland Trust & Natural England developing targeting tool to prevent, **147 58**
– inappropriate, on large scale, & effect on rare taxa & habitats **150 40**
– Right tree, right place: using botanical heat-maps to inform, [Maps] [Photo] [Table] **150 40-44**
- Trees, Around the World in 80*, by Jonathan Drori (Rev.) **146 80**
- Trefoils [*Trifolium*] and medicks [*Medicago*], Yellow-flowered, - a guide to our commoner native species [Photos] **149 42-43**
- Trichomanes speciosum* (v.c.H33) **150 49**
- Trichomanes speciosum* gametophyte (1st record Lundy v.c.4) **146 62**; (v.c.35) **146 63**; (v.c.49) **143 50**; (v.c.57) **149 62**
- Trichophorum alpinum* – now listed as Regionally Extinct (RE) in Red Data List (2017-2018) **141 5**
- Torientalis* – merged into *Lysimachia* in Stace 4 **141 13**
- Trifolium* – Yellow-flowered trefoils and medicks - a guide to our commoner native species [Photos] **149 42-43**
- Trifolium alexandrinum* (v.c.10) **143 35**; (crop, v.c.10) **145 43**; **147 41**
- Trifolium angustifolium* – (crop impurity, v.c.10) **145 43**
- Trifolium arvense* (v.c.35) **143 49**
- Trifolium campestre* (Descr.) (Photos) **149 43**
- Trifolium dubium* (Descr.) (Photos) **149 42**
- Trifolium echinatum* (v.c.10) **148 38**

Trifolium fragiferum (v.c.21) **145** 34
Trifolium incarnatum (v.c.81) – deliberately sown **144** 24
Trifolium incarnatum subsp. *incarnatum* (v.c.12) **145** 43;
147 47; (1st record v.c.83) **145** 47; (v.c.106) **147** 47
Trifolium medium (v.c.H39) **145** 66
Trifolium micranthum (Descr.) (Photos) **149** 42
Trifolium ochroleucon (Descr.) **145** 61-62; (v.c.29) **145**
60; (Photo) **148** [i], (v.c.32) **148** 65
Trifolium ornithopodioides (v.c.5) **145** 60
Trifolium pannonicum (Descr.) **145** 61-62; (v.c.19) **147**
42; (v.c.40, 53) **141** 47; (v.c.59) **142** 23; (Photo) (1st
record v.c.H2) **141** 46, 47
Trifolium resupinatum var. *majus* (v.c.10) **143** 35
Trifolium striatum (v.c.35) **146** 63
Trifolium subterraneum (v.c.5) **145** 60; (v.c.52) **146** 65
Trifolium tomentosum (1st record v.c.5) **142** 58; **145** 61
Triglochin maritima (v.c.106) **141** 27
Trigonella esculenta (Descr.) (Photo) (v.c.21) **144** 52
Trigonella maritima (Descr.) **144** 52
Tripleurospermum investigations (v.c.111) **149** 67
Tripleurospermum maritimum (Dun, v.c.110) **142** 60
Tripolium – splits from *Aster* in Stace 4 **141** 12
Tripolium pannonicum (v.c.106) **141** 27
Tripolium pannonicum var. *condensatus* (v.c.110) **147** 62
TRIPPIER, BECKY, CLARE PINCHES & KEVIN WALKER, –
Right tree, right place: using botanical heat-maps to
inform tree planting [Maps] [Photo] [Table] **150**
40-44
Trisetum flavescens (v.c.H39) **145** 66
Triteleia laxa, attractive neophyte appeared spontaneously
in Wirral garden (v.c.58) (Photo) **150** 15
Triticum aestivum (Descr.) **145** 43
Trocdaris verticillata (v.c.44) **146** 64; (v.c.47) **149** 64
Trollius europaeus (v.c.47) **141** 33; (v.c.48) **145** 63;
(v.c.H33) **150** 46
Tropaolum ciliatum (Descr.) (v.c.11) **149** 46
Tropaolum tuberosum – yet to appear 'en masse' on the
BSBI distribution maps **145** 56
Tropical adventives – detailed and routinely updated
spreadsheet suggested **146** 56; existing copy offered
to members **146** 57
– identification resources suggested **146** 57
– Recording, in Britain and Ireland - a possible solution?
146 56-57
Tropical environments in Ireland and Britain?, *Pilea*
microphylla, an under-recorded neophyte of, [Photos,
Table] **144** 58-59
Tropical flora of Britain 2 – a community of naturalised
glasshouse weeds exists in Edinburgh, but how
should we record them? [Photos] **145** 49-51
– weed species categorised according to degree of
naturalisation (Descr.) **145** 49
TRUDGILL, DAVE – An exploration of orchid records in the
BSBI database in four regions of the British Isles
[Graphs] [Photos] [Tables] **149** 16-22
– Eradication of *Impatiens glandulifera*? **143** 78-79
– Eradication of *Impatiens glandulifera* - a personal
view [Photo] **141** 54-46
– *Betonica officinalis* (Betony) in Scotland and climate
change [Maps] **145** 18-22
– Look forward Scotland, embrace Alien Species **145**
82-84
– Plant Conservation - the BSBI database is under-
exploited **148** 87-88

TRUEMAN, IAN – A new *Flora of Sutton Park National*
Nature Reserve [Details] **149** 59
Trustees, Board of, – overview of work **141** 78
Trustees, From the Board of, **141** 78
Tuberaria guttata ssp. *breweri* – added to Red Data
Waiting List (2019-2020) **147** 33
Tuit, Mr M.J. – Report of death of **150** 84
Tulipa sylvestris – Harefield woodlands (v.c.21) **145** 37
Tupholme, Dr A. – Report of death of **147** 72
Turner, Dr C., – congratulated on 60 years membership
143 58
Turritis glabra (v.c.26) **145** 4; (v.c.35) **142** 63
Tussilago farfara – native colonizer of railway ballast in
Scottish Borders **142** 17
TYLER, STEPH – Country Roundups – Wales (Photos) **147**
60-61; (Photos) **148** 68-70(Photos) **149** 62-65
TYLER, STEPHANIE J. & ELSA WOOD – Country Roundups
– Wales Cymru **145** 62-64; (Photo) **146** 63-65
Tyler, Dr Steph – congratulated on award of OBE in New
Year's Honours List **147** 2
Typha angustifolia – Norfolk Ponds Project (v.c.27)
146 11
Typha latifolia (v.c.57) **147** 46; (v.c.63) **143** 6, 7, 8
Typha laxmannii (Descr.) (Photo) (1st record v.c.57) **147**
45, 46
Uist, North, [v.c.110] Watery view of the south of,
(Photo) **146** 34
Uist, South, (v.c.110) – The machair of, (Photo) **141** 38
UK and Irish conservation agencies routinely use BSBI
data **148** 88
UK Biodiversity Indicators, Annual (Illus.) **147** 36
UK Flora Project (2015-2019) – Banking the UK's
seeds the Millennium Seed Bank's **142** 14-16
– online mapping tool (<https://msb.bsbi.org>) (Photo)
142 16
UK mean temperature anomalies (Graph) **144** 4
Ulex × breoganii (*U. europaeus* × *gallii*) (1st record v.c.41)
143 49; (v.c.46) **147** 60
Ulex europaeus (v.c.3) **143** 43; (v.c.4) **145** 61; (v.c.42) **149**
63; (v.c.58) **147** 23
Ulex europaeus & *Pteridium aquilinum* on former
unimproved grassland, Cornwall (Photo) **142** 11
Ulmus
– 17 of 62 'species' located in Purbeck (v.c.9) by
Edward Pratt plus undescribed taxa **144** 33
– 48 of 62 'species' located by Brian Eversham **144** 33
– 57 taxa added to Red Data Waiting List (2019-2020)
147 34
– *Flora of Great Britain & Ireland* Vol. 1, describes 62
species **144** 33
– *Identifying British Elms* (62 taxa) by Brian Eversham
available online (Rev.) **150** 22
– recording - a window of opportunity [Photos] **148**
23-24
– recording Elms in Britain & Ireland **144** 33
– short survey of elms in the British Isles and improved
key available by email from Brian Eversham **144** 33
– What are British elm species? **150** 22-23
Ulmus microspecies – approach compared with taxonomy
of *Salix* **150** 23
– may be varieties of *U. minor* or *U × hollandica* **150** 23
– reasons for sterility, 5 listed **150** 23
Ulmus glabra – fruits [with Descr.] (Photo) **148** 24;
(v.c.85) **145** 30

- probably over-recorded in South **148 23, 24**
Ulmus minor – not good colonists by seed **148 23**
Ulmus minor ‘Atinia’, formerly *U. procera* is sterile **148 23**
Ulmus plotii – old record refound (v.c.33) using Google Streetview **148 28**
Uncinia rubra (Descr.) **141 41**
Uncinia uncinata – synonym of *Carex uncinata* **141 41**
 Upper Teesdale – flora studied by Margaret Bradshaw since 1950s **144 45**
 – National Nature Reserve (v.c.65) **144 45**
 – Special Flora Research and Conservation Trust – funding now exhausted & donations sought **144 45**
 Urban biota, evidence for active evolution in, **145 34**
 – *Crepis sancta* in Montpelier **145 34**
 Urban Flora Project, Botanical Society of Scotland’s, [Map] **145 31-32**
 – c. 45,000 records made **145 32**
 – provisional checklist of vascular plants available as a PDF **144 32**
 – sites visited (Map) **145 31**
 – study of urban species and habitats **145 31**
 Urban plant project in Hill Head, An, (v.c.11) [details available] **149 59**
Urtica dioica (v.c.26) **145 5**; (v.c.57) **145 27**; (v.c.58) **147 24**; (v.c.83) **149 52**
 – 2 pairs of stipules at each node **144 30**
 – Phenology of, & *Chamaenerion angustifolium* **148 9**
Urtica membranacea (Descr.) (v.c.1) **141 44**; (Photo) (v.c.21) **145 34**; (1st record v.c.27) **148 41**; (Photo) (1st record v.c.58) **141 44**; (1st record v.c.83) **149 52**; (v.c.95) **141 44**
 – 1 pair of stipules per node **144 30**
 – Islington (v.c.21) a recent colonist from S. Europe **145 36**
 – trending alien **141 41**
Urtica urens – 2 pairs of stipules at each node **144 30**
Utricularia – referee John Day has new address **141 79**
Utricularia australis flowering (v.c.111) **141 59**
Utricularia intermedia (v.c.11) **146 63**
Utricularia minor (v.c.91) **146 66**; (v.c.H33) **150 47**
Utricularia stygia (v.c.49) **143 49**; (v.c.74) (Sutherland) **141 59**; (Photo) (v.c.108) **141 60**
Vaccaria hispanica (v.c.14) **142 41**
Vaccinium oxycoccos (v.c.42) (Photo) **148 68**; (v.c.H33) **150 47**; (v.c.H9) **148 74**
Vaccinium vitis-idaea (Photo) (v.c.H31) **147 63**
Valeriana dioica (v.c.32) **145 60**
Valerianella dentata (v.c.23) **145 60**
Valerianella eriocarpa (Photo) (v.c.9, 10) **148 26**
 Vascular plant Red Data List for Great Britain: summary of amendments in years – 12 and 13 (2017-18) of the annual amendments process [Photos] **141 3-7**
 – 14 and 15 (2019-20) of the annual amendments process [Photos] **147 27-35**
 Vaughan, Mr Anthony H., – Report of death of **149 75**
 V.c.1 W. Cornwall – Adventives & Aliens News **18 142 40**
 – *Rubus fruticosus* agg. encroaching on a former cattle-poached area at East Coombe, with *Sibthorpia europaea*, (Photo) **142 7**
 V.c.1b (Scilly, Isles of), (Descr.) **148 51**
 – Three aliens from the, [Photos] **148 51-54**
 V.c.1/2 Cornwall – Former field edge in, now covered in *Clematis vitalba* (Photo) **142 8**
 – invasive native plants (top 10 listed) **142 9**
 – invasive non-native plants (top 10 listed) **142 9**
 – *Ulex europaeus* & *Pteridium aquilinum* on former unimproved grassland, (Photo) **142 11**
 – winter finds **141 58**
 V.c.2 E. Cornwall – Adventives & Aliens News **17 141 41**; **22 146 41**
 – Country Roundup entry **146 62**
 V.c.3 S. Devon – Adventives & Aliens News **22 146 41**; **23 147 40**
 – Country Roundup entry **142 57**; **149 60**
 V.c.4 N. Devon – Adventives & Aliens News **18 142 41**; **23 147 40**; **24 148 37**
 – Country Roundup entry **145 61**; **146 62**; **147 58**
 V.c.5 S. Somerset – Country Roundup entry **142 58**; **145 60**
 – Friday Group recording personnel **141 23**
 – *Zostera marina*, search for, **141 23**
 V.c.6 N. Somerset – Adventives & Aliens News **17 141 41**; **18 142 41**; **20 144 50**; **21 145 42**; **22 146 41**; **25 149 44**; **26 150 50**
 – Country Roundup entry **142 57**; **146 63**; **149 60**
 V.c.7 N. Wilts – Country Roundup entry **145 60**
 V.c.7/8 Wilts – Calcareous rivers and streams **142 35-36**
 – Introducing my Vice County [Photos] **142 33-37**
 – Katherine Newbert joins Richard Aisbitt as joint VCR **149 58**
 – Sharon Pilkington retires after 18 yrs as VCR (Biog.) **149 58**
 V.c.8 S. Wilts – Country Roundup entry **145 61**
 – *Thalictrum simplex* ssp. *galioides* – ‘Tanks for the Memory’? – first record for Great Britain [Illus.] **150 64-66**
 V.c.9 Dorset – Adventives & Aliens News **17 141 42**; **18 142 41**; **19 143 34**; **21 145 42**; **22 146 41**; **23 147 41**; **24 148 37-38**; **25 149 45**; **26 150 50**
 – Flora Group organises Wild Flower Week **143 78**
 – Hambledon Hill, Formerly species-rich chalk grassland now dominated by *Brachypodium rupestre* (Photo) **142 6**
 – invasive native plants (top 10 listed) **142 10**
 – invasive non-native plants (top 10 listed) **142 10**
 – *Mentha pulegium* as a pavement weed **142 32**
 – Pavement weeds in Broadmayne, [Graph, Photo, Table] **141 29-30**
 – reserve, Jim White introducing members of the public to wild flowers in a Dorset reserve, as part of a series of wild flower walks (Photo) **142 12**
 – Wild Flower Week – 16 walks arranged during Spring half-term **143 78**
 V.c.10 Wight – Adventives & Aliens News **17 141 42**; **19 143 35**; **21 145 43**; **23 147 41**; **24 148 38**; **25 149 46**
 – Country Roundup entry **145 61**; **146 62**; **148 65**; **149 62**
 – Threatened plants & habitats: targeting fieldwork **148 25**
 V.c.11 S. Hants – Adventives & Aliens News **17 141 42-43**; **18 142 41**; **21 145 43**; **22 146 42**; **23 147 42**; **24 148 38**; **25 149 46**; **26 150 51**
 – An urban plant project in Hill Head [details available] **149 59**
 – Country Roundup entry **146 63**; **148 65, 66, 67**

- Some interesting plant records from a Winchester allotment [Photos] **149** 38-41
- V.c.12 N. Hants – Adventives & Aliens News **17** **141** 43; **20** **144** 50; **21** **145** 43; **22** **146** 42; **23** **147** 42; **24** **148** 39; **25** **149** 46; **26** **150** 51
- Country Roundup entry **143** 46; **144** 71; **148** 67; **149** 61
- V.c.13 W. Sussex – Adventives & Aliens News **18** **142** 41; **19** **143** 35; **21** **145** 44; **22** **146** 43; **23** **147** 42; **25** **149** 46; **26** **150** 52
- Country Roundup entry **144** 71; **148** 66
- recently discovered colony of *Bunium bulbocastanum* on the South Downs (Photo) **147** 5
- V.c.13/14 Sussex – Matt Berry retires as joint VCR **143** 57
- V.c.14 E. Sussex – Adventives & Aliens News **17** **141** 43; **18** **142** 41; **19** **143** 35-36; **20** **144** 50; **21** **145** 44; **22** **146** 43; **23** **147** 42; **24** **148** 39; **25** **149** 44, 47; **26** **150** 50, 53
- Country Roundup entry **144** 71
- V.c.15 E. Kent – Adventives & Aliens News **18** **142** 42; **19** **143** 36; **20** **144** 51; **23** **147** 42; **24** **148** 39; **25** **149** 47
- V.c.15 E. Kent – Country Roundup entry **145** 60; **146** 61
- *Serapias vomeracea*: first wild record for Britain and Ireland [Photos] **146** 7-10
- V.c.15/16 Kent – Country Roundup entry **146** 61
- V.c.16 W. Kent – Adventives & Aliens News **18** **142** 42; **19** **143** 36-37; **21** **145** 46; **25** **149** 48
- Country Roundup entry **148** 66
- V.c.17 Surrey – Adventives & Aliens News **18** **142** 43; **20** **144** 51; **21** **145** 46; **22** **146** 44; **24** **148** 40
- Ann Sankey retires after 20 yrs as VCR (Biog.) **149** 58
- Country Roundup entry **141** 58; **142** 58; **145** 60; **146** 61
- V.c.17 Surrey – Country Roundup entry **148** 67; **149** 61
- V.c.18 S. Essex – Country Roundup entry **145** 60; **146** 61
- V.c.18/19 Essex – Country Roundup entry **142** 57
- *Essex Botany* by Ken Adams back issues available **147** 59
- *Essex Botany* Newsletter of Essex Botanical Society, nos. 1-9, 2015-2019 Ed. Ken Adams (Rev.) **142** 75
- Ken Adams resigns as VCR after 47 years (Biog.) **149** 57
- V.c.19 N. Essex – Adventives & Aliens News **18** **142** 43; **20** **144** 52; **22** **146** 44; **23** **147** 42
- Country Roundup entry **148** 67
- V.c.20 Herts – Alla Mashanova & Astrid Biddle join Ian Denholm as joint VCRs **147** 55
- Country Roundup entry **142** 58; **145** 60
- VCR Ian Denholm has new address **142** 76
- V.c.21 Middlesex – Adventives & Aliens News **18** **142** 43; **20** **144** 52; **21** **145** 46; **23** **147** 43; **24** **148** 40-41
- example of diverse railway grassland and scrub habitat (Photo) **145** 34
- Introducing my Vice-county [Illus., Photos] **145** 33-38
- Mark Spencer's email address corrected **147** 55
- most urban vice-county in Britain and Ireland (Descr.) **145** 33
- V.c.23 Oxon – Country Roundup entry **145** 60; **147** 59; **148** 67
- project to digitise cards & correspondence from John Killick **147** 59
- V.c.24 Bucks – Country Roundup entry **143** 47; **149** 60
- Roy Maycock & Andy McVeigh retire as VCRs **145** 58
- *Viscum album* hot-spots and not-spots in south, [Photos] **141** 19-21
- *Viscum album* near Burnham Beeches **142** 31
- V.c.25/26 Suffolk – *Viscum album* – a preliminary survey in, [Graphs, Maps, Photos, Tables] **143** 25-28
- V.c.25 E. Suffolk – Adventives & Aliens News **17** **141** 43-44
- Distribution of records of *Viscum album* in study area (Map) **143** 26
- topography of *Viscum* study area **143** 25
- V.c.26 W. Suffolk – Country Roundup entry **142** 56-57; **146** 61
- V.c.27 E. Norfolk – Adventives & Aliens News **17** **141** 44; **18** **142** 43; **19** **143** 37; **22** **146** 44; **23** **147** 43; **24** **148** 41; **25** **149** 48; **26** **150** 53
- Country Roundup entry **143** 47; **146** 61; **147** 58
- Norfolk Ponds Project (NPP) **146** 11
- North Walsham & Dilham Canal: a fruitful place for adventives and aliens [Photos] [Table] **147** 48-50
- Resurrection of a pond gem: Grass- poly *Lythrum hyssopifolia* [Map] [Photos] **146** 11-14
- V.c.28 W. Norfolk – Adventives & Aliens News **18** **142** 44; **19** **143** 37; **25** **149** 48; **26** **150** 53
- Population of *Mibora minima* in urban Thetford - a first for Norfolk (Photos) **148** 16
- V.c.29 Cambs – Adventives & Aliens News **20** **144** 53; **21** **145** 46; **23** **147** 44
- Alan Leslie retires as joint VCR (Biog.) **141** 79
- Country Roundup entry **145** 60; **148** 67
- Jonathan Shanklin now sole VCR **141** 79
- V.c.30 Beds – Country Roundup entry **148** 65
- V.c.31 Hunts – Adventives & Aliens News **22** **146** 44; **23** **147** 44-45; **24** **148** 41
- Country Roundup entry **145** 60; **148** 65
- V.c.32 Northants – Country Roundup entry **142** 57; **143** 47; **145** 60; **148** 65, 66
- V.c.34 W. Gloucs – Country Roundup entry **146** 61; **148** 66
- V.c.35 Mons – Adventives & Aliens News **17** **141** 44; **18** **142** 44; **19** **143** 37; **21** **145** 46; **22** **146** 44; **23** **147** 45; **26** **150** 54
- Country Roundup entry **141** 61, 62; **142** 63; **143** 48; **144** 72; **145** 62; **146** 63; **148** 68; **149** 62
- V.c.36 Herefs – Adventives & Aliens News **22** **146** 45
- Country Roundup entry **143** 47; **146** 63
- Peter Garner & Heather Davis retire as VCRs (Biogs) **143** 57
- Stuart Hedley new VCR **143** 57
- V.c.38 Warks – Adventives & Aliens News **18** **142** 44; **26** **150** 54
- Country Roundup News **145** 61
- V.c.40 Salop – Adventives & Aliens News **23** **147** 45
- Country Roundup entry **142** 58; **145** 61
- V.c.41 Glam – *Allium ampeloprasum* var. *ampeloprasum* does not set seed on Flat Holm [Photos] **146** 50-51
- Country Roundup entry **141** 62; **143** 48
- V.c.41(E) Glam (E) – Adventives & Aliens News **150** 54
- Country Roundup entry **145** 62; **147** 60
- David Barden & Karen Williamson join Julian Woodman as joint-VCRs (Biogs) **144** 66
- Kenfig Dunes NNR conservation difficulties **146** 65

- Kenfig Dunes NNR new management agreement **147 61**
- *Wild Plants of Llantrisant Common and Y Gweira* by David Barden **147 60**
- V.c.42 Breccs – Adventives & Aliens News **19 143 37-38; 23 147 45**
- Country Roundup entry **141 61, 62; 142 62; 143 48; 145 62; 146 64; 147 60; 148 68; 149 63**
- County Rare Plant Register completed **147 60**
- V.c.43 Rads – Country Roundup entry **141 61; 142 62; 143 49; 144 72**
- V.c.44 Carms – Adventives & Aliens News **24 148 41**
- Country Roundup entry **142 62; 145 62; 146 64; 149 63**
- v.c.45 Pembs – Country Roundup entry **141 62; 147 60**
- V.c.46 Cards – Country Roundup entry **143 48; 145 63; 147 60; 148 68; 149 63**
- V.c.47 Monts – Adventives & Aliens News **150 55**
- Country Roundup entry **141 62; 142 63; 143 49; 145 63; 146 64; 147 60; 149 63**
- Flora group had three informal outings within Covid guidelines **146 64**
- Introducing my Vice County, [Photos] **141 31-35**
- Rare Plant Register revised & updated **145 63**
- V.c.48 Merioneth – Clark, Jo, joins Sarah Stille as Joint Recorder **142 76**
- Country Roundup entry **141 62; 142 63; 143 49; 144 72; 145 63; 148 69**
- Heather Garrett appointed as joint VCR with Jo Clark (Biog.) **150 76**
- Jo Clark joined by Sally Peacock as joint VCRs **143 57**
- Sarah Stille retires as VCR (Biog.) **143 57**
- V.c.49 Caerns – Country Roundup entry **142 62; 143 49; 145 63; 146 64; 148 70; 149 64**
- V.c.50 Denbs – Adventives & Aliens News **149 49; 150 55**
- Country Roundup entry **142 63; 145 63; 146 64; 148 69; 149 65**
- Rare Plant Register on BSBI website **149 65**
- V.c.51 Flints – Country Roundup entry **141 61**
- V.c.52 Anglesey – 9 first county records (all aliens or neophytes) **146 65**
- Adventives & Aliens News **149 49**
- Country Roundup entry **141 61; 142 62; 143 50; 146 65; 148 69**
- Porth Lleidiog *Limonium procerum* colony showing concretions and stages in regrowth following storm damage (Photos; plates 1-6) **146 30**
- V.c.54 N. Lincs – James Harding-Morris succeeds Paul Kirby as VCR (Biog.) **150 76**
- Paul Kirby retires after 20 yrs (Biog.) **148 60**
- V.c.55 Leics – Adventives & Aliens News **22 146 45**
- Country Roundup entry **142 58; 144 71; 145 60**
- V.c.57 Derbys – Adventives & Aliens News **21 145 47; 22 146 46; 23 147 46; 25 149 49; 26 150 55**
- *Centranthus ruber*: Spread of a non-native in the British Isles, with a focus on v.c.57 [Maps] [Photo] [Tables] **150 58-61**
- Country Roundup entry **142 58; 146 62; 149 62**
- V.c.58 Cheshire – Adventives & Aliens News **17 141 44-45; 18 142 44; 19 143 38; 20 144 53; 22 146 40, 46; 23 147 46**
- Country Roundup entry **145 61**
- V.c.59 S. Lancs – Adventives & Aliens News **18 142 44-45; 19 143 38; 24 148 42**
- Country Roundup entry **145 61**
- Exceptional diversity of strandline plants at Ainsdale-on-Sea, Merseyside [Graphs] [Photos] [Tables] **149 3-10**
- V.c.60 W. Lancs – Country Roundup entry **149 62**
- V.c.61 S.E. Yorks – Richard Middleton & Peter Cook retire as VCRs (Biog.) **143 57**
- Rohan Lewis new VCR **143 57**
- V.c.62 N.E. Yorks – Adventives & Aliens News **17 141 45; 22 146 46**
- Beginners botany with Nan Skyes **142 13**
- Country Roundup entry **143 47; 145 61; 147 58; 148 67; 149 62**
- Rare Plant Register produced by Dave Barlow **147 58**
- V.c.63 S.W. Yorks – Adventives & Aliens News **21 145 47; 22 146 46; 23 147 46; 24 148 42-43; 25 149 49; 26 150 55**
- Aquatic plants and dredging in the Huddersfield Broad Canal [Photos] [Table] **143 5-12**
- Country Roundup entry **146 62; 148 66**
- V.c.64 Mid W. Yorks – Adventives & Aliens News **17 141 46; 18 142 45; 19 143 38-39; 20 144 53-54; 22 146 46; 23 147 46; 24 148 43; 25 149 51; 26 150 56**
- Country Roundup entry **142 57; 143 47**
- V.c.65 N.W. Yorks – Country Roundup entry **146 63**
- V.c.66 Co. Durham – Adventives & Aliens News **20 144 53-54**
- Country Roundup entry **142 57; 143 47; 147 59; 148 66**
- V.c.67 S. Northumb – Adventives & Aliens News **22 146 46; 23 147 47; 24 148 43**
- Country Roundup entry **143 46, 47; 145 61; 146 61; 148 67; 149 61**
- John Richards remains as joint VCR **143 57**
- Margaret (Megs) Rogers new joint VCR **143 57**
- Quentin Groom retires as joint VCR (Biog.) **143 57**
- V.c.68 N. Northumb – Adventives & Aliens News **23 147 47**
- James Common joins Chris Metherell as joint VCR **149 58**
- V.c.69 Westmorland – Adventives & Aliens News **17 141 46-47; 20 144 54**
- Country Roundup entry **146 62**
- V.c.70 Cumberland – Country Roundup entry **143 46; 146 62; 149 62**
- V.c.72 Dumfriess – Country Roundup entry **141 60; 148 70**
- V.c.73 Kirkcudbrights – Country Roundup entry **141 59; 145 65; 147 62; 148 70**
- VCR David Hawker has new address **142 76**
- V.c.74 Wigtowns – Alan Silverside retires as VCR after 42 years **144 65**
- Country Roundup entry **141 59; 144 73**
- Michael Jeeves is new VCR **145 58**
- Rare Plant Register in preparation **147 62**
- V.c.75 Ayr – Country Roundup entry **146 67; 147 62**
- Introducing my Vice-county [Photos] **144 41-45**
- Rare Plants Register updated **145 65**
- V.c.77 Lanarks – Adventives & Aliens News **19 143 39**
- Country Roundup entry **144 73; 145 64; 147 61; 148 70**
- Peter Wiggins joins Michael Philip as joint VCR **149 58**
- V.c.78 Peebles – Country Roundup entry **141 59; 143 51; 147 62**

- V.c.79 Selkirks – Adventives & Aliens News **150** 57
 – Country Roundup entry **141** 60; **146** 66
 – New Flora in preparation **147** 62
- V.c.80 Roxburghs – Country Roundup entry **141** 59, 60; **148** 70
 – *Linaria vulgaris* grows above the River Tweed at Gaitheugh, opposite the old Melrose Abbey (Photo) **142** 18
 – New Flora in preparation **147** 62
- V.c.81 Berwicks – *BSBI Botanical Site Register* 2013 (CBSR) (Descr.) **145** 28
 – CBSR – colour slides & digital images used in PowerPoint presentations for each hectad **145** 28
 – New & Rediscovered species 2014-2019 (Table) **144** 22
 – New orchids and broomrapes - remarkable botanical finds, 2014-2019 [Map, Photos, Table] **144** 21-24
 – photos project, A cupboardful of photographs [Graph, Photos, Table] **145** 28-30
 – Rare or scarce localities added 2014-2019 (Map) **144** 23
 – Robin Crowe is new VCR **144** 21
- V.c.82 E. Lothian – Adventives & Aliens News **149** 52
 – Country Roundup entry **142** 59; **145** 64; **147** 62; **148** 70
 – Helen Jackson retires after 40 yrs as VCR **149** 58
 – Marian Moir becomes sole VCR **149** 58
 – Marion Moir new joint VCR (Biog.) **143** 58
- V.c.83 Midlothian – Adventives & Aliens News **19** **143** 39; **20** **144** 54-55; **21** **145** 47; **24** **148** 43; **25** **149** 52
 – Country Roundup entry **147** 60
 – County Rare Plant Register & Botanical Site Register available online **149** 67
- V.c.85 Fife – Country Roundup entry **142** 59; **145** 64; **146** 67; **148** 71
- V.c.86 Stirlings – Country Roundup entry **141** 59; **147** 62
- V.c.87 W. Perth – Adventives & Aliens News **23** **147** 47; **24** **148** 43
 – Country Roundup entry **141** 59; **145** 64; **146** 66; **147** 62
- V.c.88 Mid Perth – Country Roundup entry **141** 59; **144** 73; **148** 70
- V.c.89 E. Perth – Country Roundup entry **145** 64
- V.c.90 Angus – *Alchemilla glaucescens* & *Alchemilla acutiloba* **142** 26
 – Country Roundup entry **141** 59; **147** 61
- V.c.91 Kincardines – Country Roundup entry **146** 66; **147** 62
 – Rare Plant Register in preparation **147** 62
- V.c.92 S. Aberdeen – Adventives & Aliens News **20** **144** 54-55
 – Country Roundup entry **142** 61
- V.c.94 Banffs – Adventives & Aliens News **149** 52
 – Country Roundup entry **141** 60
- V.c.95 Moray – Adventives & Aliens News **19** **143** 39-40; **22** **146** 46; **25** **149** 53
 – Country Roundup entry **147** 62
 – New Flora in preparation **147** 62
- V.c.96 Easternness – Adventives & Aliens News **24** **148** 43
 – Andy Amphlett now joint VCR (Biog.) **143** 57
 – Country Roundup entry **142** 59; **149** 65
- V.c.97 Westernness – Adventives & Aliens News **149** 53
 – Country Roundup entry **141** 59, 60; **142** 59; **143** 51; **145** 64; **148** 71; **149** 66
- V.c.98 Argyll – Country Roundup entry **142** 59; **147** 62
- V.c.99 Dunbartons – Country Roundup entry **148** 71
 – Michael Philip becomes VCR **149** 58
 – Pam Murdoch retires as joint VCR (Biog.) **141** 79; **143** 58
- V.c.100 Clyde Is – Country Roundup entry **142** 60; **145** 65; **146** 67
 – Discovery of a second extant plant of *Sorbus pseudomeinichii* [Photos] **146** 15-16, 67
 – VCR Angus Hannah has new address **142** 76
- V.c.101 Kintyre – Country Roundup entry **144** 73; **148** 72
- V.c.102 S Ebudes – Country Roundup entry **141** 59; **144** 73; **149** 66
 – Simon Smart new joint VCR (Biog.) **143** 58
- V.c.103 Mid Ebudes – Country Roundup entry **144** 73; **145** 65
- V.c.104 N. Ebudes – Adventives & Aliens News **19** **143** 40; **24** **148** 44
 – Country Roundup entry **141** 59, 60; **144** 73; **145** 65; **147** 62; **148** 72
- V.c.105 W. Ross – Adventives & Aliens News **21** **145** 48
 – Country Roundup entry **141** 60
- V.c.106 E. Ross – Adventives & Aliens News **23** **147** 47
 – Country Roundup entry **148** 72
 – Habitat of *Eleocharis parvula* in [Photos, Table] **141** 26-29
- V.c.107 E. Sutherland – Adventives & Aliens News **21** **145** 48
 – Country Roundup entry **147** 62
 – online Flora updated **141** 60
- V.c.107/108 Sutherland – Country Roundup entry **141** 59
- V.c.108 W. Sutherland – Country Roundup entry **143** 51; **147** 62
- V.c.109 Caithness – Country Roundup entry **144** 73
- V.c.110 Outer Hebrides – Adventives & Aliens News **18** **142** 46
 – Country Roundup entry **141** 60; **142** 60; **147** 62; **148** 72
 – Introducing my vice-county [Photos] **146** 34-39
 – Machair of South Uist (Photo) **141** 38
- V.c.111 Orkney – Country Roundup entry **141** 59; **142** 59; **147** 62; **148** 73; **149** 67
 – new plants checklist completed **145** 65
- V.c.112 Shetland – Country Roundup entry **147** 62; **149** 66
- V.c.113(G) Guernsey – Adventives & Aliens News **150** 57
 – Country Roundup entry **148** 66
- V.c.113(J) Jersey – Country Roundup entry **145** 61
- V.c.H1 S. Kerry – Adventives & Aliens News **17** **141** 47
 – Country Roundup entry **142** 65; **149** 68
- V.c.H2 N. Kerry – Adventives & Aliens News **17** **141** 47
- V.c.H2 N. Kerry – Country Roundup entry **145** 66; **146** 68; **149** 68
- V.c.H3 W. Cork – Clare Heardman has a new email address **147** 55
 – Country Roundup entry **142** 63; **143** 52
 – new county page on BSBI website **147** 63
- V.c.H5 E. Cork – Country Roundup entry **143** 53; **145** 66; **146** 68; **148** 73
 – Edwina Cole's correct email address **150** 76
 – new county page on BSBI website **147** 63
- V.c.H6 Co. Waterford – Country Roundup entry **145** 66; **146** 68; **148** 74
 – Paul Green retires as VCR (Biog.) **143** 58
- V.c.H7 S. Tipperary – new email address for VCR Rosaleen Fitzgerald **148** 60; correction to email address **149** 58

- V.c.**H8** Co. Limerick – 2500 first and historical records submitted to DDB **145** 66
 – Country Roundup entry **145** 66
 – Sylvia Reynolds retires after 40 years as VCR (Biog.) **150** 76
- V.c.**H9** Co. Clare – 3 new trainees trying out VCR role: Phoebe O'Brien, Donncha Ó Catháin & Hannah Mulcahy **145** 58
 – Country Roundup entry **148** 74
 – new county page on BSBI website **147** 63
 – Sharon Parr & Stephen Ward retire as joint VCRs **143** 58
- V.c.**H11** Co. Kilkenny – Country Roundup entry **143** 53; **147** 63; **148** 73
 – Attendees at an aquatic plant workshop in, 2018 (Photo) **141** 63
- V.c.**H12** Co. Wexford – Adventives & Aliens News **18** **142** 46; **19** **143** 40
 – Country Roundup entry **142** 65; **143** 53; **146** 68; **149** 69
- V.c.**H13** Co. Carlow – Country Roundup entry **142** 65; **146** 68
- V.c.**H14** Laois – Country Roundup entry **145** 66; **148** 73
- V.c.**H16** W. Galway – Country Roundup entry **148** 74; **149** 69
- V.c.**H18** Co. Offaly – Country Roundup entry **148** 74
- V.c.**H20** Co. Wicklow – Country Roundup entry **148** 73
- V.c.**H21** Co. Dublin – Adventives & Aliens News **23** **147** 47
 – Country Roundup entry **142** 65
 – *Pilea microphylla* as a weed/contaminant with a potted palm plant, Dublin (Photo) **144** 58
- V.c.**H23** Co. Westmeath – Country Roundup entry **146** 68
- V.c.**H24** Co. Longford – Country Roundup entry **146** 68
- V.c.**H25** Co. Roscommon – Country Roundup entry **146** 68
- V.c.**H27** W. Mayo – Country Roundup entry **149** 68
 – Eoin McGreal replaces Gerry Sharkey as VCR **147** 63
- V.c.**H27/H28** E. & W. Mayo – Gerry Sharkey retires as VCR **146** 60
 – joint county page on BSBI website **147** 63
- V.c.**H28** Co. Sligo – Country Roundup entry **143** 53; **145** 66
 – report of death of Don Cotton, VCR for 16 years (Biog.) **150** 76
- V.c.**H30** Co. Cavan – Robert Northridge retires as VCR **145** 58
- V.c.**H31** Co. Louth – Cliona Byrne & Kate Harrington new joint VCRs **143** 58
 – Country Roundup entry **142** 63; **147** 63
 – new county page on BSBI website **147** 63
- V.c.**H32** Co. Monaghan – Adventives & Aliens News **22** **146** 47
- V.c.**H33** Co. Fermanagh – Country Roundup entry **146** 68
 – Introducing my Vice-county [Photos] **150** 45-49
- V.c.**H34** E. Donegal – Country Roundup entry **142** 63; **146** 68; **149** 69
 – Oisín Duffy & Mairead Crawford have a new address **147** 55
- V.c.**H35** W. Donegal – VCR Ralph Sheppard has a new email address **147** 55
- V.c.**H36** Tyrone – Country Roundup entry **148** 74; **149** 68
 – Sharon Spratt joins retiring VCR Ian McNeill **145** 58
- V.c.**H37** Co. Armagh – Country Roundup entry **146** 68; **148** 74
- V.c.**H38** Co. Down – Country Roundup entry **148** 74
 – VCR Graham Day has new address **147** 55
- V.c.**H39** Co. Antrim – Country Roundup entry **143** 53; **145** 66; **146** 68
 VCR deaths **145** 58-59
 VCR vacancies – (9 listed) **141** 79; (8 listed) **142** 76; (8 listed) **143** 58; (11 listed) **144** 66; (11 listed) **145** 58; (12 listed) **146** 60; (11 listed) **147** 55; (11 listed) **148** 61; (12 listed) **149** 58; (14 listed) **150** 76
- Vegetation du Nord de la France: Guide de Determination* (by Emmanuel Cateau, Julien Buchet & ten others (Rev.) **149** 77
- Vegetative Characters, Grasses: A Guide to Identification Using*, (by Hilary Wallace) (Rev.) **148** 83
- Vegetative plant ID quiz (Exbt 2019) **143** 56
- Velander, Kathy, & Jay Mackinnon – ‘Molly has hairy knees’ and other curious ways to remember plants [Illus.] **148** 63
- Ventenata dubia* (Descr.) (v.c.**87**) **147** 47
- Verbascum* – Referees sought **147** 55
- Verbascum creticum* (Descr.) (Photo) (v.c. **9**) **145** 42
- Verbascum densiflorum* (1st record v.c.**46**) **145** 63
- Verbascum lychnitis* (v.c.**35**) **149** 63
- Verbascum phlomoides* (v.c.**25**) **142** 50
- Verbascum pulverulentum* (Descr.) (v.c.**26, 29**) **142** 50
 – and *V. speciosum*, The distinction between, (Photos) **142** 50-51
- Verbascum speciosum* (Descr.) (Photos) (v.c.**25, 29**) **142** 50, 51
- Verbascum thapsus* (v.c.**25**) **142** 50
- Verbascum virgatum* (v.c.**35**) **143** 49
- Verbena bonariensis* (v.c.**15**) **148** 39; (v.c.**49**) **149** 64; (v.c.**58**) **147** 23
- Verbena hastata* (v.c.**14**) **143** 35
- Verbena incompta* (Descr.) **148** 39; (1st record v.c.**4**) **148** 37; (1st record v.c.**15**) **148** 39
- Verbena officinalis* (v.c.**59**) **149** 4
- Veronica* – Referees sought **147** 55
- Veronica agrestis* (v.c.**79**) **146** 66
- Veronica alpina* (v.c.**9**) **141** 30; (v.c.**92**) **142** 61
- Veronica beccabunga* (v.c.**63**) **143** 8, 11
- Veronica persica* (v.c.**58**) **147** 23
- Veronica polita* (v.c.**41**) **143** 49
- Veronica scutellata* (v.c.c.**41, 43**) **143** 49
- Veronica spicata* ssp. – Moved from Red Data Waiting to Parking List (2019-2020) **147** 34
- Veronica verna* (v.c.**26**) **142** 56
- Verrall, Mrs P.K. – Report of death of **148** 80
- Viburnum* – now in Adoxaceae in Stace 4 **141** 11, 12
- Viburnum rhytidophyllum* (v.c.**67**) **148** 43
- Viburnum tinus* (v.c.**62**) **146** 46; (1st record v.c.**H32**) **146** 47
- Vice-counties be metricated?, Should, **145** 84
- Vice-county boundaries – could be based on monads (OS 1km squares) **145** 84
- Vice-county Recorders reports on BSBI Website **141** 58, 59
- Vice-county Recorders, Panel of, **141** 79; **142** 76; **143** 57; **144** 65-66; **145** 58-59; **146** 60; **147** 55; **148** 60-61; **149** 57-581; **150** 76
- Vice-county, Introducing my, – Ayrshire (v.c.**75**): Recorders: Gill Smart, Dave Lang & Carol Crawford [Photos] **144** 41-45
 – Fermanagh, Co. (v.c.**H33**): (Recorders: Robert Northridge & Ralph Forbes) [Photos] **150** 45-49

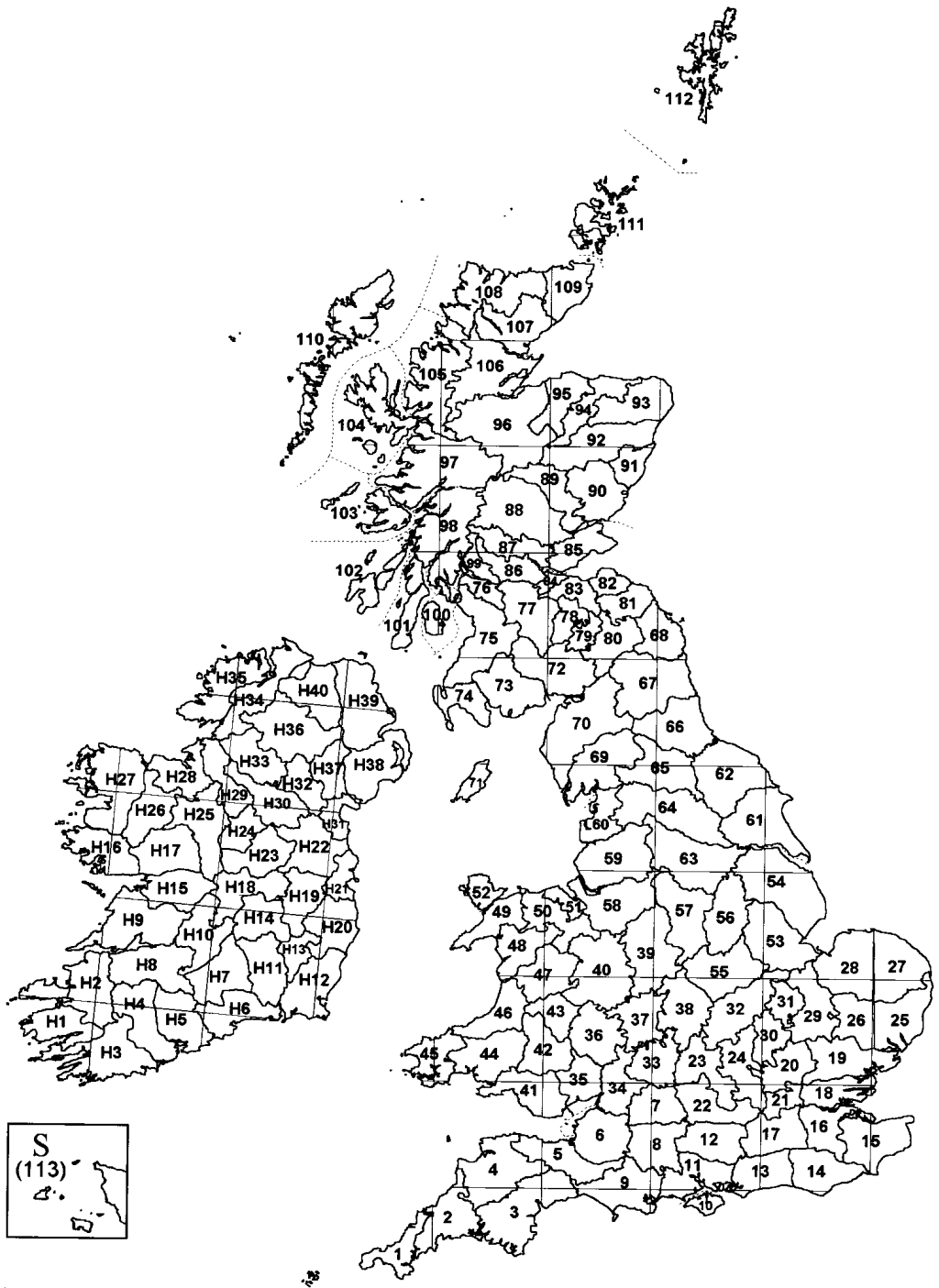
- Middlesex (v.c.21) Recorder: Mark Spencer [Illus., Photos] **145** 33-38
- Monts (v.c.47); Recorders: Kate Thorne & Gill Foulkes [Photos] **141** 31-35
- Outer Hebrides (v.c.110) Recorder: Paul A Smith [Photos] **146** 34-39
- Wilts, N&S (v.cc.7 & 8); Recorders: Sharon Pilkington, Co-recorder: Richard Aisbitt [Photos] **142** 33-37
- Vicia* – dark purple blotches in centre of green stipules (Illus.) **144** 29
 - splits into *Vicia*, *Ervilla* and *Ervum* in Stace 4 **141** 12
- Vicia benghalensis* – (crop impurity, v.c.10) **145** 43
- Vicia cracca* – Phenology of *Vicia sepium* &, **148** 8
- Vicia dumetorum* (1st BI record in wild v.c.67) **143** 47
- Vicia erivata* (Descr.) (crop impurity, v.c.10) **145** 43
- Vicia lens* (Descr.) **145** 43
- Vicia orobus* (v.c.3) **142** 57; (Photo) (v.c.47) **141** [i], 35; **142** 63
- Vicia pannonica* (Descr.) (Photo) (v.c.16) **142** 42
 - (crop impurity, v.c.10) **145** 43
- Vicia parviflora* (v.c.23) **145** 60
- Vicia sepium* – Phenology of, & *Vicia cracca* **148** 8
- Vicia sepium* var. *ochroleuca* (1st records v.cc.H2, H6) **146** 68
- Vicia villosa* (Photo) (v.c.12) **150** 51, 52
- VICKERY, ROY – Bridge the Gap **143** 76-77
 - Norman Keith Bonner Robson (1928-2021) (Obit.) (Photo) **150** 81-83
 - Rev. of *Foraging Pocket Guide* (by Marlow Renton & Eric Biggame) **148** 81
 - Rev. of *The Wild Food Plants of Ireland: The Complete Guide to their Recognition, Cooking, History and Conservation* by Tom Curtis & Paul Whelan **146** 81
- Vickery, Roy – *Vickery's Folk Flora: An A-Z of the Folklore and Uses of British and Irish Plants* (Rev.) **143** 72-73
 - demonstrating ‘Granny jump out of bed’ with flower of *Calystegia silvatica*, Wimbledon Common, London (Photo) **143** 77
- Vickery's Folk Flora: An A-Z of the Folklore and Uses of British and Irish Plants* by Roy Vickery (Rev.) **143** 72-73
- Videos, Botanical, on BSBI's YouTube Channel **148** 61
- Viola* × *bavarica* (*V. reichenbachiana* × *V. riviniana*) (Photo) (1st record v.c.47) **149** 64
- Viola hirta* (v.c.52) **142** 62
- Viola lutea* (v.c.42) **148** 68; (v.c.47) **141** 31; (v.c.85) **145** 29
 - Page from *Identify Mountain Flowers of Britain and Ireland* by Alan R. Walker (Illus.) **142** 72
- Viola persicifolia* (v.c.H9) **148** 74
- Viola rupestris* – Teesdale national rarity (v.c.65) **144** 45
- Viola tricolor* ssp. *curtisii* – Loch Hallan SSSI (v.c.110) **146** 36
- Viola tricolor* ssp. *tricolor* (v.c.10) **148** 27
- Violaceae – Notable family with stipules **144** 30
- Virtual Annual Exhibition Meeting, BSBI's first, [2020] talks & exhibits available online and YouTube **146** 58-59
- Viscum album* – Burnham Beeches, Buckinghamshire [v.c.24] (Illus.) **142** 31
 - Dash Cam shot showing the imprinted data (Photo) **146** 33
 - good local survey species in winter **150** 2
 - hot-spots and not-spots in south Buckinghamshire (v.c.24) [Photos, Table] **141** 19-21
 - Painting of infested tree (Illus.) **142** 31
 - Preliminary survey in Suffolk [v.c.25] [Charts, Map, Photo, Table] **143** 25-28
 - male plant in the foreground and female with flowers and berries behind (Photo) **141** 58
 - winter search in v.c.36 **141** 58-59
 - with or without hot-spots [Photos] **142** 28-30
- Viscum album* ssp. *album* – 452 host taxa recorded worldwide **142** 30
- Visually-impaired, Nature for the, (Exbt 2019) **143** 56
- Vitis vinifera* (1st record v.c.52) **148** 69
- Vulpia bromoides* (v.c.85) **145** 64
- Vulpia myuros* (v.c.46) **149** 63; *Vulpia myuros* (v.c.97) **145** 64
- Wahlenbergia hederacea** – 1st British record from Machynlleth (v.c.47) in 1632 **141** 31
 - (1st recent record v.c.10) **146** 62; **148** 29
- Wales Annual Meeting 2019 (Rpt) **142** 61
- Wales Country Roundups, (Photos) **147** 60-61; (Photos) **148** 68-70; (Photos) **149** 62-65
- Wales Cymru, Country Roundups, (Photo) **141** 61-62; (Photo) **142** 61-63; (Photos) **143** 48-50; (Photo) **144** 72; **145** 62-64; (Photo) **146** 63-65
- Wales Officer post ended **145** 62
- Wales, 101 Rare Plants of*, by Lauren Marrinan & Tim Rich (Rev.) **145** 77-78
- Walker, Alan – *Identify Mountain Flowers of Britain and Ireland*; downloadable PDF **150** 89
 - *Identify Mountain Flowers of Britain and Ireland* (Rev.) (Illus.) **142** 72
- WALKER, KEVIN – Beyond mapping: the BSBI's work on invasive non-native species [Photos] **142** 3-7
 - BSBI and plant conservation **147** 3-4
 - BSBI and Plant Conservation - a Response **148** 88
- WALKER, KEVIN, BECKY TRIPPIER & CLARE PINCHES – Right tree, right place: using botanical heat-maps to inform tree planting [Maps] [Photo] [Table] **150** 40-44
- WALKER, KEVIN & MARSH, LOUISE – BSBI New Year Plant Hunt 2019 [Charts, Graphs, Maps, Photo, Table] **141** 14-18
 - BSBI New Year Plant Hunt 2020 [Graph, Photo] **144** 3-4
 - The National Plant Monitoring Scheme: What's in it for BSBI Members? [Photo] **144** 69-70
- WALKER, KEVIN, LYNNE FARRELL & TOM HUMPHREY – Members' Access to the BSBI's Distribution Database **147** 54
- WALKER, KEVIN, & ROBERT NORTHRIDGE – BSBI Post-atlas 2020 projects **144** 67-68
- Walker, Kevin, with Peter Stroh *et al.* – *Grassland Plants of the British and Irish Lowlands* (Rev.) **143** 68
- Walker, Peter, with Barry Dickerson & Roger Orbell – *The Orchid Flora of Huntingdonshire and the Soke of Peterborough* (Rev.) **143** 71-72
- Wallace, Hilary – *Grasses: A Guide to Identification Using Vegetative Characters* (by Hilary Wallace) (Rev.) **148** 83
- Wallace, Miss R.M. – report of death of **143** 67

- Waller, Mike & Sean Cole – *Britain's Orchids*. A Field Guide to the Orchids of Great Britain and Ireland by, (Rev.) **147** 73-74
- Wallis, Mr Howard W., – Report of death of **149** 75
- WALLS, ROBIN – *Mentha pulegium* as a pavement weed [v.c.9] [Photo] **142** 32
– *Symphytotrichum squamatum* in Broadmayne, Dorset [v.c.9], [Photos] **147** 52
- Walls, Robin – *Delairea odorata* (pseudostipules) and *Robinia pseudoacacia* (stipules modified into spines) (Illus.) del. **144** 29
– Examples of interpetiolar stipules: *Buddleja davidii* and *Coprosma repens* (Illus.) del. **144** 29
– Pavement weeds in Broadmayne, Dorset [Graph, Photo, Table] **141** 29-30
– *Persicaria hydropiper* with ochrea, characteristic of Polygonaceae (Illus.) del. **144** 29
– *Robinia pseudoacacia* showing stipels (Illus.) del. **144** 30
– Stipules with glands: *Vicia sativa* and *Impatiens glandulifera* (Illus.) del. **144** 29
– Typical paired stipules of *Rubus fruticosus* agg. and *Crataegus monogyna* (Illus.) del. **144** 28
- Walton, Prof. D.H.W. – Report of death of (Biog.) **142** 68
- Ward, Stephen, & Sharon Parr – retire as joint VCRs for Co. Clare (v.c.H9) **143** 58
- Ware, Seeds from, 2021 **146** 60
- WARREN, JOHN – Training and Education Committee (T&E) **144** 66
- WATSON, JOHN & FLORES, ANITA – ×*Glebiantthemum*, a new intergeneric hybrid [Photo] **141** 56-57
- Watts, Sarah, & Jim McIntosh monitoring *Melampyrum sylvaticum* by Loch Ossian, (v.c.97) (Photo) **148** 71
- Waxwing – potential distributor of vector of *Viscum album* **143** 28
- WEBB, APRIL – Plant Alert [March 2020] [Photo] **144** 64
– Plant Alert – August 2020 update [Table] [Photo] **145** 56
– Plant Alert, March 2021 update [Photo] **147** 53
– Plant Alert, March 2022 update [Photos] **150** 72
- Webb, Dr Judy, – congratulated on award of BEM in New Year's Honours List **147** 2
- WEBB, JEANNE & RO FITZGERALD – Robert Desmond Meikle, OBE, LLB (1923-2021) (Obit) (Photo) **149** 72-75
- Weber, Prof. Dr Heinrich E. – Report of death of (Biog.) **145** 75; (Obit notes) **146** 76
- Webinars, Irish, – all available on BSBI YouTube Channel **145** 66
- WEBSTER, MARK & IAN WOODWARD – A 'natural regeneration' approach to wild flower meadow creation results in the appearance of *Helosciadium repens* in West Suffolk [v.c.26] [Photos] **146** 3-6
- Weekes, Lynda, Aquatic Plant Project training day with, at Lavistown Study Centre (Photo) **142** 64
- Welsh & Scottish Gaelic place names on UK Ordnance Survey web page **150** 36
- Welsh Microfungi Group – *White Moulds*, Ramularia and Phacellium Anamorphs, in Wales and Britain: a Guide and Welsh Census Catalogue **149** 65
- Welsh National Herbarium, Part of the National *Taraxacum* collection in 2007 with Tim Rich (Photo) **149** 25
- Westgate, Mr J.M. – Report of death of **144** 77
- Wharfedale Naturalists Society – 'monitors' spread of *Impatiens glandulifera* at Ilkley (v.c.64) **142** 79
- Whelan, Paul & Tom Curtis – *The Wild Food Plants of Ireland*: The Complete Guide to their Recognition, Cooking, History and Conservation by Tom Curtis & Paul Whelan (Rev.) **146** 81
- WHELAN, PAUL, & TOM CURTIS – *The Wild Food Plants of Ireland* **147** 80
- WHILD, SARAH – Rev. of *Bedfordshire - Our Changing Habitats and Wildlife*. A Photographic Record by Richard Revels, Graham Bellamy & Chris Boon **147** 75-76
– Rev. of *Grasses: A Guide to Identification Using Vegetative Characters* (by Hilary Wallace) **148** 83
- Whitby herbarium – description of collection dating from 1600s to mid-1930s **144** 31
- Whitby Museum – Botany class at the, (Photo) **144** 31
- White, Jim, introducing members of the public to wild flowers in a Dorset reserve, as part of a series of wild flower walks (Photo) **142** 12
- Who Discovered the "Teesdale Rarities"?* (by Frank Horsman) (Rev.) **148** 85
- Whole Story, The., Painting More Than Just the Flowers* by Christina Hart-Davies (Rev.) **147** 78
- Widdowson, Kevin – differences between species of ragworts *Senecio* and *Jacobaea* (Exbt 2019) **143** 56
- Wiggins, Peter, joins Michael Philip as joint VCR for v.c.77 **149** 58
- Wigginton, Mr Martin J. – report of death of (Biog.) **143** 67
- Wilberforce Lizzie –appointed Plantlife Cymru Lead (Biog.) **149** 65
- Wilberforce, Mr P.W. – congratulated on 60 yrs membership **149** 55
- WILCOX, MICHAEL – *Holcus lanatus* & *H. mollis* - and reassessing the distribution of *H. × hybridus* (Photo) **147** 25-26
– Request for specimens **148** 64
– Subspecies of *Mibora minima* in Britain [Photos] **148** 15-17
- WILCOX, MICHAEL & RUHSAM, MARKUS – The genus *Cymbalaria* Hill (Toadflaxes) in Britain and the discovery of *C. muralis* × *C. pallida* [Photos] [Table] **143** 13-21
- Wild flower meadow creation, A 'natural regeneration' approach to, results in the appearance of *Helosciadium repens* in West Suffolk [v.c.26] [Photos] **146** 3-6
- Wild flower walks – Jim White introducing members of the public to wild flowers in a Dorset reserve, as part of a series of, (Photo) **142** 12
- Wild flowers of Britain and Northern Europe, A naturalists' guide to the*, 2nd edition by Andrew Cleave (Rev.) **141** 77
- Wild Food Plants of Ireland, The*, – comment on review **147** 80
– The Complete Guide to their Recognition, Cooking, History and Conservation by Tom Curtis & Paul Whelan (Rev.) **146** 81
- Wild Orchids of Kent* by David Johnson (Rev.) **142** 73
- Wildflower seed market in Scotland (technically) illegal **145** 82
- Wildflower seed mixtures contents **145** 21

- Wild-flowers – better knowledge generally a Century ago than now **142** 12
- teachers had knowledge of local flora **142** 12
 - were taught in Primary & Secondary schools **142** 12
- Wildflowers of the Sefton Coast* (by Philip H. Smith) (Rev.) **149** 78-79
- Wildlife and Natural Environment (Scotland) Act 2011 – problems with aliens **145** 82
- Wilkinson, David M. – *Ecology and Natural History* (Rev.) **149** 77-78
- Wilkinson, Karen, & David Barden – new Joint Recorders with Julian Woodman for v.c.**41(E)** **145** 62
- WILLIAMS, DELYTH – BSBI DIARY 2019-20 **142** 78
- BSBI Diary & Exhibition Meeting [2019-2020] **141** 2
 - Congratulations [Photo] **141** 80
- Williams, Delyth – thanked for her time as Honorary General Secretary **143** 3
- Williams, Dr L.H. – Report of death of **145** 75
- Williamson Karen, & David Barden join Julian Woodman as joint-VCRs for Glam (E) (v.c.**41(E)**) (Biogs) **144** 66
- Wilmore, Geoffrey Thomas Duerden, (1941-2018) (Obit.) (Photo) **141** 71-74
- WILSON, CAROL – Visit to my local herbarium [Photos] **144** 31-32
- WILSON, CAROL – Comment: Mind the gap [Photo] **142** 12-13
- Wilson, Robert, (1943-2018) (Obit.) **141** 74-75
- Wiltshire Botanical Society **142** 37
- Wiltshire, Historic records of *Carex filiformis* in, [Illus., Map, Photo] **145** 23-25
- Winchester allotment [v.c.**11**], Some interesting plant records from a, [Photos] **149** 38-41
- Winter storms decimate landscape in NW England **149** 2
- Winter Talks – held via Zoom; recordings on website **149** 57
- Wirral [v.c.**58**], Pavement plants in the, [Photos] [Tables] **147** 22-24
- typical street in Heswall, with garden wall, pavement, grass verge, street and garden trees (Photo) **147** 23
- Wirral Garden Flora (v.c.**58**)(Photos)(Tables) **150** 10-17
- Wisteria* – has stipels, stipule-like outgrowths **144** 29-30
- Wollemia nobilis* (v.c.**79**) **141** 60
- WONHAM, MARGARET – An urban plant project in Hill Head, (v.c.11) [details available] **149** 59
- WOOD, ELSA & STEPHANIE J. TYLER – Country Roundups – Wales Cymru **145** 62-64; (Photo) **146** 63-65
- Wood, Jeffrey James (1952-2019) (Obit.) (Photo) **142** 67-68
- Wood, Mr J.R.I. – congratulated on 60 yrs membership **149** 55
- Wood, Mr Nigel – report of death of **143** 67
- Woodcock, Mr A. – Report of death of **147** 72
- Woodland and scrub, A field guide to the, of the Ballyhoura mountains* [Co. Limerick] R. Lynch (Rev.) **141** 77
- Woodland Flowers*. Colourful Past, Uncertain Future by Keith Kirby (Rev.) **147** 74
- WOODS, SARAH – BSBI Supporter Survey **149** 55
- Finance Manager Fundraising for BSBI's Hardship Fund **150** 74
 - Paperless Membership **150** 73
 - Partnership with Greenwings [Wildlife Holidays] **150** 73
 - Supporter Survey 2021 **148** 60
- Woods, Sarah – new Fundraising Manager welcomed to post **146** 2; **147** 54
- Woodsia alpina* (Photo) (v.c.**97**) **148** 71, 72
- Woodsiaceae – Cystopteridaceae & Athyriaceae – split from, in Stage 4 **141** 12
- WOODWARD, IAN – A population of *Mibora minima* in urban Thetford (v.c.**28**) - a first for Norfolk (Photos) **148** 16
- WOODWARD, IAN & MARK WEBSTER – A 'natural regeneration' approach to wild flower meadow creation results in the appearance of *Helosciadium repens* in West Suffolk [v.c.**26**] [Photos] **146** 3-6
- Wool aliens?, The last of, [Photo] **147** 51
- Wool shoddy (Descr.) **147** 51
- World War II, *Plants Go to War*. A Botanical History of, by Judith Sumner (Rev.) **144** 79-80
- Wrightson, Mr B. – report of death of **141** 75
- WYNNE, GORONWY – Looking Back with a Smile [Photo] **147** 79
- Rev. of *101 Rare Plants of Wales* by Lauren Marrinan & Tim Rich **145** 77-78
- Wynne, Goronwy – Blodau Cymru won the Welsh Book of the Year award **142** 80
- congratulated on award of the Linnean Society's H.H. Bloomer medal **142** 80
- Xanthium* wool aliens with few new records; why? **147** 51
- Xanthium spinosum* Almeria, Spain (Photo) **147** 51
- Xanthocyparis* – merged into *Cupressus* in Stage 4 **141** 13
- Xanthorrhoeaceae – becomes Asphodelaceae in Stage 4 **141** 12
- Y**ellow composites, A beginner's guide to, When is a Dandelion not a Dandelion? [Photos] **147** 37-39
- Yorkshire perspective, Canals, plants and people: a*, (Photo) (Rev.) **141** 77
- Young, Mr A. – Report of death of **148** 80
- YOUNGMAN, RON & LYNNETTE – Anne Horsfall (1927-2021) (Obit.) (Photo) **149** 70-72
- YouTube – Channel for webinars, conferences and botanical Videos **145** 57, 66; **146** 59, 66; **147** 56; **148** 61
- Yucca filamentosa* (Descr.) (Photo) (v.c.**3**) **147** 40
- Yucca gloriosa* (Descr.) **147** 40
- Zannichellia obtusifolia* (v.c.**19**) **141** 5
- added to Red Data List (2017-2018) **141** 4
- Zannichellia palustris* (v.c.**8**) **142** 35; (v.c.**52**) **143** 50
- Zarco, C. Romero, *et al.* (eds of this volume) – *Flora Iberica. Plantas Vasculares de la Peninsula Iberica e Islas Baleares, Volume XLIX (2), Gramineae (partim)* (S. Castroviejo (Coordinador General) (Rev.) **150** 87-88
- Zizania latifolia* (Descr.) (1st record v.c.**36**) **143** 47
- Zoom meetings – staff and volunteers thanked for setting things up **146** 2
- Zostera* – Eelgrasses in Somerset **141** 24
- Zostera angustifolia* – now lumped with *Z. marina* **141** 24
- Zostera marina* – (Descr.) (Photo) (v.c.**5**) **141** 25, 26
- believed extinct in N & S Somerset (v.c.**4** & **5**) **141** 24
 - most mysterious & seldom seen native plant **141** 23
 - refound at Derek Ranwell's 1957 site **141** 24
 - UK distribution & habitat **141** 24
- Zostera noltei* – UK distribution & habitat **141** 24

VICE-COUNTIES OF THE BRITISH ISLES

CHANNEL ISLES		47	Monts.	99	Dunbarton
113 (J)	Jersey	48	Merioneth	100	Clyde Is.
113 (G)	Guernsey	49	Caerns.	101	Kintyre
113 (A)	Alderney	50	Denbs.	102	S. Ebudes
113 (S)	Sark	51	Flints.	103	Mid Ebudes
ENGLAND I		52	Anglesey	104	N. Ebudes
1a	W. Cornwall	ENGLAND II		105	W. Ross
1b	Scilly	53	S. Lincs.	106	E. Ross
2	E. Cornwall	54	N. Lincs.	107	E. Sutherland
3	S. Devon	55	Leics.	108	W. Sutherland
4	N. Devon	56	Notts.	109	Caithness
5	S. Somerset	57	Derbys.	110	Outer Hebrides
6	N. Somerset	58	Cheshire	111	Orkney
7	N. Wilts.	59	S. Lancs.	112	Shetland
8	S. Wilts.	60	W. Lancs.	IRELAND	
9	Dorset	61	S.E. Yorks.	H1	S. Kerry
10	Wight	62	N.E. Yorks.	H2	N. Kerry
11	S. Hants.	63	S.W. Yorks.	H3	W. Cork
12	N. Hants.	64	Mid-W. Yorks.	H4	Mid Cork
13	W. Sussex	65	N.W. Yorks.	H5	E. Cork
14	E. Sussex	66	Co. Durham	H6	Co. Waterford
15	E. Kent	67	S. Northumb.	H7	S. Tipperary
16	W. Kent	68	N. Northumb.	H8	Co. Limerick
17	Surrey	69	Westmorland	H9	Co. Clare
18	S. Essex	70	Cumberland	H10	N. Tipperary
19	N. Essex	ISLE OF MAN		H11	Co. Kilkenny
20	Herts.	71	Man	H12	Co. Wexford
21	Middlesex	SCOTLAND		H13	Co. Carlow
22	Berks.	72	Dumfriess.	H14	Laois
23	Oxon	73	Kirkcudbrights.	H15	S.E. Galway
24	Bucks.	74	Wigtowns.	H16	W. Galway
25	E. Suffolk	75	Ayrs.	H17	N.E. Galway
26	W. Suffolk	76	Renfrews.	H18	Offaly
27	E. Norfolk	77	Lanarks.	H19	Co. Kildare
28	W. Norfolk	78	Peebles.	H20	Co. Wicklow
29	Cams.	79	Selkirks.	H21	Co. Dublin
30	Beds.	80	Roxburghs.	H22	Meath
31	Hunts.	81	Berwicks.	H23	Westmeath
32	Northants.	82	E. Lothian	H24	Co. Longford
33	E. Gloucs.	83	Midlothian	H25	Co. Roscommon
34	W. Gloucs.	84	W. Lothian	H26	E. Mayo
35	see Wales	85	Fife & Kinross.	H27	W. Mayo
36	Hrefs.	86	Stirlings.	H28	Co. Sligo
37	Wores.	87	W. Perth	H29	Co. Leitrim
38	Warks.	88	Mid Perth	H30	Co. Cavan
39	Staffs.	89	E. Perth	H31	Co. Louth
40	Salop	90	Angus	H32	Co. Monaghan
WALES		91	Kincardines.	H33	Fermanagh
35	Mons.	92	S. Aberdeen	H34	E. Donegal
41	Glam.	93	N. Aberdeen	H35	W. Donegal
42	Breccs.	94	Banffs.	H36	Tyrone
43	Rads.	95	Moray	H37	Co. Armagh
44	Carms.	96	Easterness	H38	Co. Down
45	Pembs.	97	Westerness	H39	Co. Antrim
46	Cards.	98	Main Argyll	H40	Co. Londonderry



Camera-ready copy produced by Gwynn Ellis and printed by J. & P. Davison, 2 James Place, Treforest, Pontypridd, Mid Glamorgan CF37 1SQ. Tel.: 01443 400585; email: davison.litho@gmail.com