The Flora of Staffordshire, 2011.

Update No. 1 (February, 2012).

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Corrigenda and Addenda.

- Page 1. That area which is in the administrative county, but not in VC 39, is not shown on the map. The most significant example of this is the Borough of Tamworth, which is in VC 38. A corrected version appears as a separate file on this website.
- Page 1, 2nd column, paragraph 10. There was additional financial support as a donation from the remaining funds of the North Staffordshire Field Club, following its winding up.
- Page 4. 2nd column, line 6. "that" should be "than".
- Page 4. 2nd column, 8 lines from bottom. "hybird" should be "hybrid".
- Page 62. 2nd column, line 5 of final paragraph. "parley" should be "parsley".
- Page 68. Column 1, paragraph 2, line 15. A second closing brackets is required after "segetum".
- Page 95. Column 2, paragraph 3, line 7. "account of county's flora" should read "account of the county's flora".
- Page 101. "Chairman of the Field Club & responsibility of the botanical records of the Field Club" should read "Chairman of the Botanical Section of the Field Club and responsibility for their botanical records".
- Page 104. A map showing the approximate numbers of taxa recorded per tetrad (post-1994) went astray at the publication stage. It has been recovered and appears as a separate file on this website.
- Page 105. Column 2, line 1. Edees *Flora* contains a very small number of records that were made as late as 1971 and these are included in the figures quoted for that publication.

Page 136 Fumaria bastardii. The species account should read:

Fumaria bastardii Boreau

Tall Ramping Fumitory

1 2005 Casual

Found and identified by P.D. Stanley in a front garden, Baswich Crescent, Stafford, SJ9422, with three more plants at the base of a wall, Baswich Lane, in the same monad, four years later. A specimen, at **STO**, collected by K. Goodway, from imported soil on waste ground outside the Biology Department Buildings, Keele University, SJ8045, in 1965, was originally thought to be this species. It has recently been re-determined, by IJH, as *F. officinalis*.

- Page 152 *Cerastium arvense*: site should be "Lichfield Cathedral Close" not "Cathedral Chase" as given.
- Page 155 Silene nutans: status should be 6 (5) not "6 (3)".
- Page 158 *Persicaria minor*: should be "the shoreline of Knypersley Reservoir..." not "the shoreline of Knypersley Reservoir...".
- Page 180 Cardamine bulbifera: status should be 4 (2), not "5 (2)".
- Page 199 Saxifraga x urbium: status is 37 (2) rather than as "37 (1)".
- Page 215 Rubus caesius: grid reference for Shatterford is SO7980 not "SO7080.
- Page 216 *Potentilla recta*: status is **19** (2) rather than "**19** (1)".
- Page 216 Potentilla neumanniana: status should be 9 (5) not "9 (6)".
- Page 238 *Ononis spinosa*: status should be 3 (2) not "3 (1)".
- Page 247 *Epilobium* x *dacicum*: status of this hybrid should have been given as 1 (1) rather than just as "1".
- Page 265 *Impatiens parviflora*: status is **8** (2) rather than "**8** (1)".
- Page 270 Bupleurum rotundifolium: status is 1 (0) rather than just "1".
- Page 271 *Sison amonum*: status is **4** (4) not "**4** (3)".
- Page 278 Nymphoides peltata: status is 57 (2) rather than "57(1)".
- Page 280 *Lithospermum arvense*: "The Lithospermum appeared..." should be "The *Lithospermum* appeared...".
- Page 286 Galeopsis angustifolia: "M.H.Bigwood" should be "M.H. Bigwood".

- Page 292 *Callitriche obtusangula*: status is 17 (2) rather than "17 (3)".
- Page 293 Littorella uniflora: status is 13 (2) rather than "13 (1)".
- Page 295 *Verbascum blattaria*: status is 4 (1) rather than "4 (2)" as given.
- Page 297 *Mimulus moschatus*: text should read "Cuckoostones" not "Cuckoost ones"; also "from the previous site" rather than "from the porevious site".
- Page 304 *Orobanche rapum-genistae*: status should be **2** (0) not "**1** (0)"; also "1851 list..." rather than "1951 list...".
- Page 304 *Pinguicula vulgaris*: status should be 1 (3) not "1(3)".
- Page 343 *Petasites albus*: status should have been given as **6** (4) and not as "**6** (3)".
- Page 344 *Helianthus petiolaris*: status should be 3 not "3 (3)".
- Page 350 Potamogeton filiformis: first record was in 1892 not "1893".
- Page 354 *Juncus subnodulosus*: status is **8** (2) rather than "**8** (1)"
- Page 359 *Carex divulsa*: status is 7 (5) rather than "7 (2)".
- Page 376 Bromus hordeaceus ssp. divaricatus: status should be (*1) not "(1)".
- Page 365 *Festuca altissima*: status should be **3** (1) and not "**3**(1)" as given.
- Page 379 *Hordelymus europaeus*: status is 2 (3) and not "2 (1)".
- Page 385 *Tulipa sylvestris*: text should read "during the 20th Century..." and not as given "during the 20th Century...".
- Page 396 *Coeloglossum viride*: status is **6** (7) not "**5** (7)".
- Page 399 Ophrys apifera: "Var trollii" should read "Var. trollii".
- Page 412 "Pinguicula vulgaris 305" should be in bold type.

Additions and modifications relating to pre-1995 data.

Ian Hopkins has been further researching pre-1930 records and consequently adds the following information.

The Edees paper *Staffordshire Additions to the Comital Flora* appeared in the *Report of the Botanical Exchange Club* for 1941-42. It seems very strange that Edees did not see fit to reference it in the index for his *Flora*!

Going through that particular Edees paper, and the old documents and material referenced in that work of which I have copies, I find the following that would seem perhaps to require correction or comment with reference to the new *The Flora of Staffordshire*:

Page 124 Aristolochia clematitis L. Birthwort

The family *Aristolochiaceae* is not included in the new *Flora*. However, Garner (1878) mentions *Aristolochia clematatis* as growing in an old garden at Wolstanton (presumably as a relic) and this entry should now be added.

Page 125 Nuphar spp.

In his 1878 paper entitled *The Staffordshire Flora*, Garner also mentions a claim of "*Nymphaea rubra*, warm engine pit at Newcastle". He also refers to "*Nuphar kalmiana*" being present in a pool at Madeley. Presumably the latter taxon was introduced (along with *Stratiotes aloides*) by T.W. Daltry and persisted for a few years. What he actually meant by "*Nuphar kalmiana*" in the absence of herbarium material must remain a mystery: it could have been *Nuphar pumila*, *Nuphar x spenneriana*, or the alien *Nuphar advena*, Spatterdock.

Page 183 Camelina sativa

An earlier record for this certainly exists: Dickenson in Shaw (1798), as *Moenchia sativa*. "Blymhill, amongst flax".

Page 203 Rubus saxatilis

An earlier first record than 1871 is known, if what Garner (1844) wrote about it is accepted: "Flowers greenish. Abundant on broken limestone in the valleys of the Hamps and Manyfold. Fruit red". Given the extreme likelihood of there being many more open rocky places and very different grazing or scrub/woodland management regimes then than now (backed up by what Garner wrote about his visit to this area c.1832 with two companions as later described in his later *Holiday Excursions of a Naturalist* (1867)), I find it very difficult to reject this claim. I'm surprised Edees passed over it for his *Flora* when, for example, he was happy to include Garner's claim for *Antennaria dioica* from the Wetton Valley. Similarly, he also failed to include Garner's claim for *Melica nutans*.

Page 218 Sanguisorba minor ssp. muricata

There must be considerable doubt that Pitt actually saw this taxon in the wild in 1794.

Page 225 *Prunus cerasus*

Garner (1844) certainly cannot be relied on here despite his use of the specific name. He makes no mention of *P. avium* at all!

Page 252 Buxus sempervirens

Brown in Mosley (1863) might be an earlier reference: "It grows freely in plantations, but it is not indigenous to the district". However, Brown's "area" extended well into Derbyshire, and the only record quoted is for Gopsall (Derbyshire) on the authority of Andrew Bloxam.

Page 257 Staphylea pinnata

Brown in Moseley (1863) would be an earlier reference (but see the preceding comment): "May sometimes be found self-established in hedge-rows".

Page 266 Astrantia major

An earlier record exists: for Burton, by RC, given in BEC 1926 Report (1927).

Page 272 Caucalis platycarpos

An additional record exists: for Burton, by GCD, given in BEC 1928 Report (1929).

Page 342 Senecio viscosus

There is an earlier record, but <u>only</u> if one believes Garner (1844): "Flowers yellow. Common. Stoke". Bagnall (1901) stated that he had never seen it in Staffordshire, but he admittedly spent rather little of his time in the north of the county, whilst Ridge subsequently remarked that "common" seemed hardly the case in his day, and only gave a couple of records in his *The Flora of North Staffordshire* (1922-29). In his *Flora*, Edees indicates his belief that Garner was mistaken, yet as a centre of a railway network with coal workings in the area, Stoke is a place where this species might perhaps have been expected to turn up quite early on. It remains a puzzle!

Page 350 Potamogeton filiformis

As noted in the text, this is a likely mistake (and was considered so by Edees), but the supposed finders were J.R.B. Masefield and S. Bostock, and the report appeared in TNSFC for 1891-92.

Page 353 Juncus compressus

Claimed by Garner (1844) as "common", but he was no doubt mistaken. His only localised record was for "*Var Bothnicus*" at Kingston Pool, which would certainly have been *J. gerardii* as confirmed by later workers.

Page 389 Leucojum vernum

A record for "Dovedale, North Staffordshire Naturalists Field Club, but I fear there is some error " was quoted by Garner (1878), but this was included by Edees only in an "Appendix of Supposed Errors" in *Staffordshire Additions to the Comital Flora*. It would seem to be a very doubtful claim.

Page 397 Dactylorhiza incarnata

Edees *Flora* only mentions the 1954 record for this species from Loynton Moss. The Stanton site for ssp. *pulchella* found by G.J.V. Bemrose in 1932, and from where plants were seen and collected by Edees himself in 1938 is not mentioned in his *Flora* although the records were given in TNSFC, and mentioned in Edees' 1967 Presidential address to the Field Club entitled *The Wild Orchids of Staffordshire*. The status "1 (2)" instead of 1 (1) in the new *Flora* thus reflects Edees' acceptance of the Stanton records, rather than the actual information given in his *Flora*.

A list of further records of less common taxa up until the end of 2011.

During the latter days of preparing the *Flora* it was possible to add records of the rarer taxa (recorded in fewer than about 40 tetrads) made in the first half of 2011. The following treatment adds all additional records of taxa, previously recorded for fewer than 150 tetrads, accumulated up until the end of 2011.

- Page 115 Polystichum setiferum SJ85H, SJ9234
- Page 125 Helleborus foetidus SJ8649
- Page 128 Ranunculus auricomus SJ8939, SJ9026, SJ9234, SK1545
- Page 128 Ranunculus lingua SJ8652, SJ8855
- Page 130 Ranunculus aquatilis SJ7951, SJ85G
- Page 133 Berberis darwinii SJ9152
- Page 133 Papaver pseudoorientale SJ8553
- Page 139 Cannabis sativa SJ75W
- Page 140 Parietaria judaica SK0539
- Page 140 Soleirolia soleirolii SJ8959
- Page 145 Chenopodium bonus-henricus SJ8644
- Page 146 Chenopodium ficifolium SJ8644
- Page 151 Stellaria neglecta SK1039, SK1545
- Page 154 Spergularia marina SJ8657
- Page 154 Spergularia rubra SO8297
- Page 154 Agrostemma githago SJ8852
- Page 156 Saponaria officinalis SJ8550, SJ8858
- Page 158 Persicaria capitata SJ8654
- Page 158 Fagopyrum esculentum SJ8654, SO8792
- Page 160 Rumex alpinus SK0053
- Page 161 Rumex cristatus Still present at its Castletown site, SJ9123, in 2011
- Page 162 Rumex maritimus SJ8550, SJ9026
- Page 163 Hypericum androsaemum SJ8836
- Page 164 Hypericum hirsutum SJ9234
- Page 165 Tilia platyphyllos SJ8353
- Page 165 *Tilia tomentosa* A mature tree, Shugborough Estate, SJ9921,
 - J. Woodward, 2007; south end of Bathpool Park SJ85K, SRH, 2007

- Page 166 *Tilia 'Petiolaris'* About 30 trees planted around the edge of The Green, Coalpit Hill, Talke Pits, SJ8253, SRH, 2010
- Page 166 *Malva parviflora* Five, as weeds in a flower bed, High Street, Burton, SK2422, MES, 2011
- Page 166 *Malva pusilla* About ten plants in a rose bed, Burton Day Centre, Byrkley Street/Waterloo Street, SK2423, MES, 2011. Known there since c. 2008, but previously weeded out before flowering.
- Page 167 Malva neglecta SJ8254
- Page 168 Viola odorata SO8383
- Page 176 Salix aurita SK1161
- Page 177 Sisymbrium altissimum SK2524
- Page 178 Erysimum cheiranthoides SJ8352
- Page 182 Aubrieta deltoidea SJ9054
- Page 188 Rapistrum rugosum SJ8352
- Page 190 *Gaultheria mucronata* Birchenwood Park, Goldenhill, SJ8454, SRH, 2010
- Page 191 Vaccinium myrtillus x vitis-idaea (V. x intermedium) SK0407
- Page 192 *Monotropa hypopitys* Under mature Salix caprea, on the bank of a pool, SJ8249; also many more to the south, at the site of the previous iron works, Apedale, SJ8248, where it was recorded in the mid-1980s: both IJH, 2011
- Page 193 Cyclamen hederifolium SJ8651
- Page 194 *Cyclamen coum* In the woodland strip along the bottom of Birchenwood Road, Packmoor, SJ8653, SRH, 2011
- Page 195 Philadelphus x virginalis (P. coronarius x microphyllus x pubescens) SJ8756
- Page 196 *Ribes nigrum* SJ8048, SJ8254, SJ9053, SK03P
- Page 196 Ribes sanguineum SJ8045, SJ8051, SJ8556
- Page 197 Crassula helmsii SJ83Y
- Page 198 Sedum telephium Still present at its Betley site, SJ7448, JEH, 2011
- Page 200 Saxifraga tridactylites SK2324
- Page 200 Tellima grandiflora SJ8045
- Page 202 *Spiraea* x *arguta* A probable garden throw-out, by a level crossing, west of Abbey Hulton, SJ9045, SRH, 2011
- Page 203 *Rubus chamaemorus* Still present at its only Staffordshire site, SK0267, IJH, 2011
- Page 215 Potentilla fruticosa SJ8648, SJ8254
- Page 219 Alchemilla xanthochlora SJ9362
- Page 220 Rosa multiflora SJ8354
- Page 220 Rosa pimpinellifolia SJ8354
- Page 228 *Sorbus croceocarpa* Amenity plantings in SJ84T, U, Y & Z; SJ85B, C, F, G, H, K, L, Q, R, T & U
- Page 228 Sorbus latifolia Amenity plantings in SJ84T, W, X, Y & Z; SJ85G
- Page 228 Sorbus torminalis SJ8746, SJ8942, SJ9042
- Page 229 Cotoneaster frigidus x salicifolius (C. x watereri) SJ9856
- Page 229 Cotoneaster dammeri SJ8254
- Page 230 Cotoneaster horizontalis s.s. SJ95B
- Page 230 Cotoneaster hjelmqvistii SJ85G
- Page 230 Cotoneaster rehderi SJ7548, SJ8757, SJ8859
- Page 231 Cotoneaster sternianus SJ8220, SK0539
- Page 232 Crataegus laevigata SJ9234, SK1110
- Page 232 Robinia pseudoacacia SJ9044
- Page 233 *Onobrychis viciifolia* SJ85R, SJ9023
- Page 236 Vicia faba SJ85G

- Page 237 Lathyrus linifolius SK2200
- Page 237 Lathyrus grandiflorus SJ8754
- Page 237 Lathyrus sylvestris SK2200
- Page 237 Lathyrus latifolius SJ7948
- Page 239 Melilotus albus SJ85B
- Page 242 Trifolium striatum SO9686
- Page 245 Elaeagnus umbellata New Vice County record: see end of this list
- Page 246 Lythrum salicaria SP2099
- Page 248 Epilobium tetragonum SJ8936
- Page 248 Epilobium roseum SJ83Y
- Page 251 Aucuba japonica SJ8848
- Page 253 Euphorbia lathyris SJ8836
- Page 256 Linum usitatissimum SJ8354, SJ8955
- Page 260 Oxalis exilis SK0724
- Page 262 Geranium sanguineum SJ8649
- Page 264 Impatiens capensis SK2103
- Page 265 Hedera colchica SJ7949
- Page 266 Hydrocotyle vulgaris SK0407
- Page 272 Heracleum mantegazzianum SJ7948
- Page 274 Vinca minor SJ9049, SJ9948
- Page 274 Vinca major SJ8758
- Page 274 Lycium barbarum SJ9222
- Page 275 *Physalis alkekengi* Garden escape, wall base, Back Lane, Hill Top, Brown Edge, SJ9054, SRH, 2011
- Page 275 Physalis philadelphica New Vice County record: see end of this list
- Page 275 Lycopersicon esculentum SJ85H
- Page 276 *Solanum chenopodioides* New Vice County record: see end of this list
- Page 277 Calystegia sepium x silvatica (C. x lucana) SJ8354
- Page 278 Menyanthes trifoliata SJ8551, SJ8554, SJ9652
- Page 278 Nymphoides peltata SK04E
- Page 280 Pulmonaria officinalis SJ8553, SJ8653, SJ8754
- Page 281 Symphytum grandiflorum SJ8354
- Page 282 Borago officinalis SJ8141
- Page 284 Stachys palustris x sylvatica (S. x ambigua) SK2328
- Page 288 *Clinopodium ascendens* Garden escape, by the western gatepost of Biddulph Grange Gardens, SJ8959, SRH, 2011
- Page 288 Origanum vulgare SJ8649
- Page 289 Mentha arvensis SJ8955
- Page 293 Plantago coronopus SJ8350, SJ9025
- Page 294 Forsythia suspensa x viridissima (F. x intermedia) SJ8149, SJ8253, SJ8651
- Page 295 *Verbascum blattaria* A single plant on a bank bordering the car park of Servosteel, Dudley, B. Laney, conf. P.D. Stanley, SO9289, 2011
- Page 296 Verbascum nigrum SJ8836
- Page 297 Mimulus guttatus SJ8753
- Page 297 Antirrhinum majus SJ8254
- Page 303 *Pedicularis palustris* Still present near Spout Farm, SK0860, IJH, 2011
- Page 306 Campanula persicifolia SJ9053
- Page 307 Lobelia erinus SJ8254
- Page 310 Sambucus racemosa SJ7951, SJ7953
- Page 311 *Viburnum lantana* SJ84T, SJ84X, SJ84Z, SJ8254, SJ85K, SJ85L, SJ85Q, SJ85S

- Page 311 *Viburnum rhytidophyllum* Three self-sown, scattered plants along the line of the Trent & Mersey Canal, Etruria, SJ8647, SRH, 2011
- Page 312 Leycesteria formosa SJ8551, SJ9053, SJ9054
- Page 312 *Weigela florida* In three places west of Stonebank Wood, Goldenhill, SJ8553, SRH, 2010
- Page 312 Lonicera pileata SJ8746, SJ9922
- Page 312 Lonicera nitida SJ8453, SJ8653, SK0638
- Page 313 Valerianella locusta SK1139
- Page 313 Valerianella carinata SK1039
- Page 315 Knautia macedonica New Vice County record: see end of this list
- Page 319 Centaurea cyanus SJ85W
- Page 320 Cichorium intybus SJ85G
- Page 321 Picris echioides SJ8842, SP1998
- Page 322 Lactuca virosa SK1929
- Page 322 Cicerbita macrophylla SK0751, SK0814
- Page 329 *Pilosella peleteriana* ssp. *tenuiscapa* Still present at Wetton Mill, SK0956, IJH, 2011
- Page 336 Erigeron annuus New Vice County record: see end of this list
- Page 336 Erigeron acer SJ85H, SO8596
- Page 337 *Olearia avicenniifolia* x *moschata* (*O.* x *haastii*) Western end of woodland strip, south side of Linley Road, Talke, SJ8253, SRH, 2011
- Page 339 Chrysanthemum segetum SK1016
- Page 339 *Mauranthemum paludosum* New Vice County record: see end o this list
- Page 340 *Cotula coronopifolia* 21 shoots, edge of River Sow, Doxey Marshes, SJ9124, IJH & MFG, 2011
- Page 341 Senecio erucifolius SJ8254
- Page 343 Petasites fragrans SJ8843
- Page 343 Ambrosia artemisiifolia SJ8750, SJ8959
- Page 344 Guizotia abyssinica SJ85G, SK1109
- Page 344 Helianthus annuus SJ9856
- Page 344 Galinsoga quadriradiata SJ7831
- Page 345 Bidens cernua SJ92D
- Page 345 Bidens tripartita SJ9026
- Page 346 Eupatorium cannabinum SJ85H
- Page 346 Sagittaria sagittifolia SJ8050, SJ8551, SO7582
- Page 347 Stratiotes aloides SJ8551
- Page 348 Lagarosiphon major SJ8050
- Page 351 Acorus calamus SK13E
- Page 356 *Eleocharis quinqueflora* Still in Oldacre Valley, SJ9718, T. Holland, 2011
- Page 357 Scirpus sylvaticus SJ92C, SK0048
- Page 357 Schoenoplectus tabernaemontani SJ92C
- Page 357 Isolepis setacea SK0414
- Page 358 Cyperus longus SJ7948
- Page 359 Carex spicata SK0749
- Page 359 Carex disticha SJ9026
- Page 360 Carex curta SK0407, SK0830
- Page 361 Carex pseudocyperus SJ92C
- Page 361 Carex strigosa SJ9234
- Page 366 *Festuca filiformis* Acid grassland, close to western edge of Penn Golf Course, SO8994, ICT, 2011

Page 366 Festuca pratensis x Lolium perenne (X Festulolium Ioliaceum) SK1158 Page 373 Phalaris canariensis SK85G Page 380 Cortaderia selloana SJ8349 Page 382 Setaria viridis SJ8354 Page 384 *Hemerocallis fulva* On an island, Minnie Lake, Halmer End, SJ7948, SRH, 2011 Fritillaria meleagris SO8199 Page 385 Page 385 *Lilium pyrenaicum* A clump with 50 shoots, A52 verge between Thorswood and Rue Hill, SK1047, IJH, 2011 Page 386 Polygonatum multiflorum x odoratum (P. x hybridum) SJ8041 Page 387 Muscari armeniacum SJ8051, SJ85G, SK1544 Page 396 Gymnadenia conopsea SJ8852 Page 398 Dactylorhiza praetermissa SK1039 Page 399 Ophrys apifera SJ8684 Elaeagnus umbellata Thunb. Elaeagnus Neophyte Seven plants of varying size scattered along the Greenway, possibly originating from a standard in the adjacent Tunstall Park, SJ8651, SRH. Physalis philadelphica Lam. Large-flowered Tomatillo 2011 Casual In a strawberry bed mulched with compost provided by Stafford Borough Council, Cotonfields Allotments, Stafford, SJ9223, J.Gale, det. GMK. Solanum chenopodioides Lam. Tall Nightshade Casual 2011 30 or 40 plants on the perimeter of a field, Trysull, SO8593, A. Ferguson, conf. CBW& ICT. Knautia macedonica Griseb. Knautia, Red Scabious 2011 Neophyte Established on waste ground at southern end of Christchurch Street, Fenton, SJ8944, SRH. Tall Fleabane Erigeron annuus (L.) Pers. Neophyte Several plants at edge of the grounds of an old ironworks, bank of River Stour, SO8984, APD. Mauranthemum paludosum (Poir.) Vogt & Oberprieler Annual Marguerite 2004 Neophyte In paving cracks and at foot of brickwork, small front garden, Poplar Road, Bearwood, possibly

originating from a hanging basket, SP0286, MWP, det. EJC.