

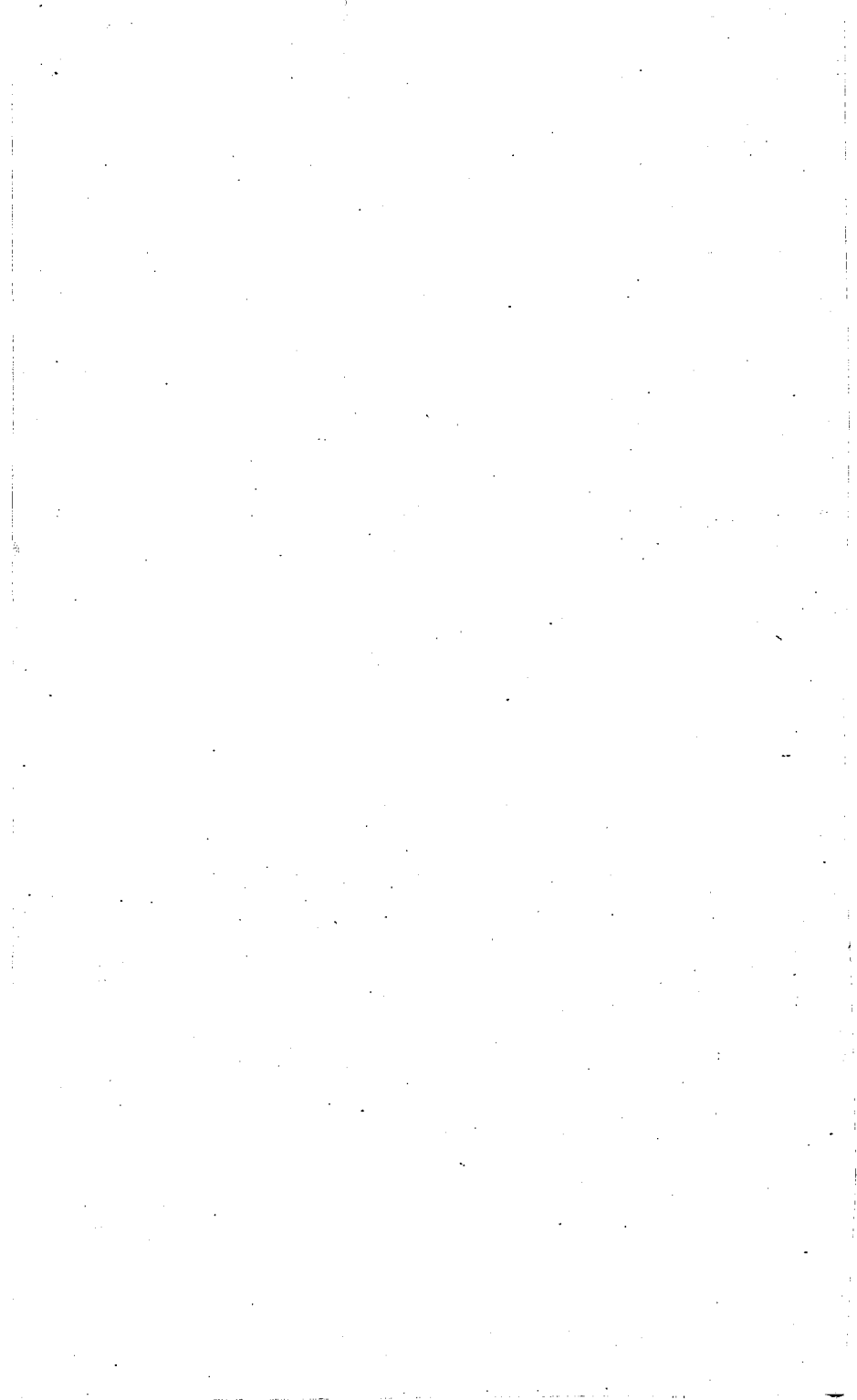
THE  
BOTANICAL LOCALITY  
RECORD CLUB.

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REPORT OF THE RECORDER  
FOR  
1877.

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LONDON:  
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1878.



THE  
BOTANICAL LOCALITY RECORD CLUB.

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Recorder. FREDERIC ARNOLD LEES, F.L.S., &c.  
*Market Rasen, Lincolnshire.*

Treasurer. THOMAS BATES BLOW.  
*Welwyn, Hertfordshire.*

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ADDITIONAL MEMBERS for 1877.

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FINANCIAL REPORT OF THE TREASURER  
FOR 1873-1876.

1873.							
DR.	£	s.	d.	CR.	£	s.	d.
Printing Circulars, Forms of Application, Rules, &c., at formation of Club	3	1	0	Subscriptions of Members	13	15	0
2,500 Labels	0	17	6				
Stationery, &c...	0	15	0				
Postage	2	1	6				
Printing Report	7	0	0				
	<u>£13</u>	<u>15</u>	<u>0</u>		<u>£13</u>	<u>15</u>	<u>0</u>

1874.							
£	s.	d.	£	s.	d.		
Stationery, Postage, &c...	1	0	0	Subscriptions of Members	13	5	0
Printing Report	13	15	0	Balance due to Treasurer	1	10	0
	<u>£14</u>	<u>15</u>	<u>0</u>		<u>£14</u>	<u>15</u>	<u>0</u>

1875.							
£	s.	d.	£	s.	d.		
Balance due to Treasurer from 1874	1	10	0	Subscriptions of Members	20	0	0
500 Labels	1	2	6	Balance due to Treasurer	1	8	0
1 Ream Mounting Paper	1	4	6				
2 Cabinets for Herbarium	2	5	0				
Stationery, Postage, &c...	1	14	0				
Printing Report	13	12	0				
	<u>£21</u>	<u>8</u>	<u>0</u>		<u>£21</u>	<u>8</u>	<u>0</u>

1876.							
£	s.	d.	£	s.	d.		
Balance due to Treasurer from 1875	1	8	0	Subscription of Members	15	2	6
Stationery, Postage, &c...	1	10	0	Sale of Reports to New Members	0	9	0
500 Copies London Catalogue of British Mosses	5	15	0	Sale of Moss Catalogues	1	15	0
Printing Report	9	16	0		<u>£17</u>	<u>6</u>	<u>6</u>
	<u>£18</u>	<u>9</u>	<u>0</u>	Balance due to Treasurer	1	2	6
					<u>£18</u>	<u>9</u>	<u>0</u>

THOMAS BATES BLOW.

Sept., 1878.

# REPORT FOR 1877.

By THE RECORDER.

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WITH this issue the Locality Record Club as a botanical body ends its first lustrum of life—brings to a close its first quinquennial volume. Within the limits—definite if, for safety, narrow—to which it has confined its work, it may, in the opinion of its recording Editor, fairly claim to have proved a success, to have supplied a want: that is, if it be fair to judge by the unwillingness with which a majority of its members would see it die.

In *Topographical Botany* (page 586) is expressed the belief that there are hardly fifty botanists who sufficiently comprehend the philosophy of plant-distribution to take any living interest in a series of data, the bases for future generalisation, such as the Record Club has striven to amass. That this verdict, however, if not too severe for the Past, is rapidly becoming inapplicable to the Present, the writer not only hopes but believes, taking as some proof the tide of botanical enthusiasm that during the past five years has undoubtedly risen in the country high above any previous level; shewing itself in the multiplication of Field Clubs: in the appearance of creditably-conducted Journals wholly devoted to Natural History: in the wave of willingness to make natural science of weight in modern education that has spread through our middle-class schools: in the largely increased number of entries for examination in Botany at South Kensington: in the greater call for works on botanical geography and biology; and (least

proof of all perhaps, yet a straw serving to shew which way the wind blows) in the success of our own particular venture—a Seedling that to thrive in the teeth of a wind of prejudice, such as has undoubtedly blown from an eastern quarter, must, one would think, possess some inherent not-at-once-evident source of vitality. The writer is inclined to believe that this power lies in a principle of equivalence and catholicity underlying all our operations, which, instead of flattering individual vanity, fosters an unselfish spirit of botanical *camaraderie*. We have attracted to our task most of the purely-british field botanists of Authority, and brought into communication with the older heads many who are (comparatively) tyros in the particular field of study opened out by questions of comital distribution; and directed, thus, the inquiries of not a few of our members into a channel that has more than doubled for them the charms of investigation in the field. One indirect result has been a gradual education on the matters treated of in *Cybele Britannica*, its *Compendium*, and *Topographical Botany* (one or other of which Works all our members possess); and a recognition of the fact—one that quiet workers isolated in country places are apt to overlook—that upon our common study, under our rules, *all* may be teachers as well as learners—all providers of botanical pabulum (according to opportunity) as well as assimilators of it. In brief, whilst giving our members something definite to do, the Club provides them with an incentive for doing it in the shape of a special receptacle—this yearly Report, for the results they arrive at; and the additional spur of confidence that observations, however fragmentary or few numerically, will not become as lost drops in the ocean of facts, practically wasted because unavailable for who may come aftertime, but meet with preservation in a matrix of similar matter, each in its niche according to a definite order, in such a way as to render reference useful and easy. Not few have been the botanists—some of them our best workers to-day—who have expressed themselves as

something more than glad to have "found out" the Record Club; for, wrote one, "it has shewn me what there is to do, and how, on certain lines, I can help do it." Our Club appeals in ways akin to these to one of the strongest springs of motive in human nature, whilst discouraging such selfish ones as are apt to be found in connection with collection of specimens for exchange. At any rate, though viols of critical wrath have been poured upon our methods of procedure, we are to-day, it is to be hoped, neither "conscience-less grubbers-up of rarities," nor "a kind of co-operative society for the repetition of already-published plant stations," this last being, perhaps, the cruelest of the unkind and intentionally unfair definitions of our *raison d'être* which have been given; and if our Reports look "dry" to those not in sympathy with us, one thing is still certain: no English botanical journal is scanned by British botanists with the interest with which our pages are studied and referred to by our members.

If, then, we have grounds for some mutual inter-gratulation, if our five seasons of concerted botanical effort have not been barren of results, still not a little remains to be done. Of this something may appropriately be suggested here: to express precisely our ideas as to what is next necessary to the development of our scheme, forming, perhaps, the fittest prelude to a promise, amongst ourselves, to accomplish it before our next quinquennial retrospect in 1883.

For three Scottish counties—*Wigtonshire*, *Peebles*, and *West Ross*—manuscript lists of species, personally vouched for from recent observation, are yet lacking; in completion of that scaffolding of comital record erected in *Topographical Botany*, to serve as bases for future additional records. Who will supply them to us? The lists of ascertained species for the shires of *Cardigan* and *Flint*, *South Lincoln*, and *South-east York* are, also, more or less imperfect as yet, although not complete blanks. Who will botanise peripatetically in these areas for our common benefit?

In *Topographical Botany*, on page 586, Mr. Watson intimates that it was originally his intention to consummate his Work and supplement his latest volume, by means of certain Maps in which selected plants (taken as standards of the various geographic types) would have their horizontal distribution indicated by a colour-washing of the counties in which they occur as natives; only naming the plan, however, to state that he had abandoned it in consequence of a belief already (page 197) alluded to. Less than fifty such standards would have sufficed to shew to the eye graphically, and at one glance, all the principal variations in distribution discernible in Britain. The writer believes twenty-five such maps would answer the purpose, for, although one of each species appears to have been thought requisite, in a dozen or more instances one map would do for two species where the area of their range did not overlap, as for example in the cases of *Oxytropis Uralensis* and *Asplenium lanceolatum*. Taking such a series as standards, it would be easy to summarise approximately the distribution of any species unchosen as a standard, by referring it to the species-subject of that map with which its comital area most nearly coincided. The Recorder believes every member of the Club will endorse his assertion that it is very much to be regretted Mr. Watson gave up all thought of carrying out such an admirable plan; but, if it may not even now be undertaken by its author, here, too, is a legitimate Work that the Record Club may most fittingly essay to perform; and this at once, ere it be too late to do it under the guidance of the Knowledge with which it originated. It seems worth while attempting for our own delectation if for that of no larger circle, although, at a low estimate, the botanists who would view such a series of maps with interest, and comprehend them readily because of their novel and graphic character—fixing types of distribution on the brain through the eye—would much exceed fifty.\* Of course

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\* An earnest worker for the Club, shewn these lines in MS., remarks: "If they wouldn't we must teach them; but I have no doubt we could sell 250 copies of such a series."



any member with inclination and industry could colour such maps for himself, with a copy of *Topog. Bot.*, our Reports, and two dozen outline copies of Mr. Watson's map before him; but it is probable few would have the time for so doing, although genuinely interested in the results certain to be prominently brought out; and further, uniformity of mental picture as to distribution would remain unattained, since the species selected as illustrative types would doubtless differ widely in many cases. This last disadvantage could only be avoided by the Club, aided by Mr. Watson's counsel, undertaking the preparation of the sets—the species-standards having, then, his as-it-were official sanction. Such a series—say five with each Report during the next quinquennial—may yet be presented to the members of the Club. Expense seems the greatest obstacle, and this might be surmounted by permission from Mr. Watson for sufficient copies of his outline map—that accompanying *Cybele Britannica*—to be struck off the original block (or a stereo of it) by us.

Concurrently with such illustration of distribution, almost as a consequence of it, would come a partitioning of our native British Flora into squads—Geographical Allies, presenting striking points of agreement in comital range. Having dealt with the three greatest and most evident Types—the Boreal, the South-eastern and the Western—or their eight Watsonian analogues, and their varieties, the factors in the sum of which are mainly climatal; we should then descend to collating agreements and differences in stational distribution in the counties themselves as distinct tracts not simply parts of a whole, here again discriminating other groups, Ammophilous, Hygrophilous, Xerophilous (with a subdivision for species in the economy of which *Lime* seems well-nigh a necessity), &c., according to their restrictions. From amongst the species classifiable in these categories we could isolate other, and lesser, groups—the Geographical Allies referred to, hitherto not thoroughly studied. These would fall, probably, into triplets or quartettes similar to

some discernible in areas sufficiently small to have been completely investigated, such as North and West Yorkshire, Surrey, Cambridge, Dorset, Middlesex, and Cheshire. As best known to the Recorder, let the Yorkshire vice-counties named be taken as, in some respects, best exemplifying this matter. There, certain species may be seen, by anyone who will carefully follow a collation of their absences and occurrences through subdivided river-basins and over different strata (such as Mr. Baker has furnished for North Yorks, or such as is in preparation for West Yorks) to fall naturally into groups, *the integers composing which agree in having an almost identical horizontal distribution, and often a very similar vertical range* as well. The species in a group will not always (though often) be found associated—actually side by side; but that they are stational allies from kindred preferences, finding the satisfaction they require combined in local conditions, will be perfectly clear. The exact nature of these preferences or conditions are not always so evident, however, as might be imagined, even to one closely acquainted with the climatal or lithological minutiae of the districts they affect.

The groups that follow are given as instances of these Geographical Allies—a provisional term only—in West Yorkshire. Some of them are borne out by Mr. Baker's published observations for North Yorkshire, some are not; but their trustworthiness for the area in question can be vouched for, spite of the fact that to southern botanists some of the bracketed species will appear in strange company. It should, however, be remembered that fact not fancy has coupled them, and the more surprisingly improbable they seem the less the likelihood of their being set down rashly, or under any compulsion save that to which close investigation has led.

Actæa spicata.	} And nearly allied, but } not ascending so high,	{ Atropa Belladonna. } Gagea lutea. } Carex digitata.
Aquilegia vulgaris.		
Helleborus viridis.		
Melica nutans.		
Thlaspi occitanum.	} And near to this group, } but descending lower,	{ Draba incana. } Galium sylvestre. } Sesleria cærulea.
Arenaria verna.		
Hutchinsia petraea.		

Cerastium arvense. Centaurea Scabiosa. Echium vulgare.	} Dry-loving, but not re- stricted to calcareous soil, and near them,	{ Anthyllis vulneraria. Campanula glomerata. Plantago media.
Stellaria nemorum. Crepis paludosa. Myrrhis odorata.	} And with a slightly dif- ferent but parallel dis- tribution,	{ RanunculusLenormandi. Trollius europæus. Carduus heterophyllus.
Thalictrum flexuosum. Geranium sylvaticum. Rubus saxatilis.	} And allied, but decidedly more frequent,	{ Geum rivale. Myosotis sylvatica. Allium Scorodoprasum.
Genista tinctoria. Malva moschata. Pimpinella magna.	} With a peculiar distribution, unlike any other, and showing no aversion to coal-measure tracts, although in places plentiful off them.	
Trifolium Fragiferum. Plantago Coronopus. Sclerochloa distans.	} With this couple very near them,	{ Ranunculus hirsutus. Coronopus Ruellii.
Sagina nodosa. Farnassia palustris. Anagallis tenella.	} And near these, but <i>not</i> accompanying them so low, or to coast, in York, although doing so in Durham,	{ Saxifraga granulata! Primula farinosa! Blysnus compressus.
Rhamnus catharticus. Ligustrum vulgare. Taxus baccata.	}	{ Corydalis claviculata. Spergularia rubra. Ornithopus perpusillus. Jasione montana.

Naturally these illustrative groups (about half of those clearly discernible) are made up of forms neither ubiquitous nor yet, as regards the county in question, very rare (though some, like *Actæa*, are so outside Yorkshire), since their occurrence in several places and their co-absence in others, is necessary to detection of them as "Allies" at all. The allies composing a group differ amongst themselves as to abundance of individuals, in many cases, of course; just as the groups vary in the frequency with which they manifest themselves. I do not know if the intra-comital agreements in distribution of the species grouped will prove similar, or the reverse, in other parts of the country: particulars as to this it will be interesting to be furnished with—if the result of well-digested observation; but the matter is pre-eminently one upon which no one without a thorough knowledge of a county ought to pass a judgment. On the other hand, in Yorkshire, a number of species occur which differ one from the other in distribution, and at the same

time cannot be coupled (since the facts will not attach them) with any of the groups whatever. Some of these species occur in so many stations that their notable singularity in distribution becomes peculiarly suggestive. Some such are—

*Hypericum Androsæmum.*

*Geranium lucidum*, the sp. coming nearest it being *Cystopteris*.

*Rhamnus Frangula*, „ „ „ *Stellaria glauca*.

*Antennaria dioica.*

*Wallenbergia hederacea.*

*Trientalis europæa*, the sp. nearest it being *Listera cordata*.

*Asplenium viride.* Etc.

I am here, I am aware, anticipating somewhat the publication of results which it comes more specially within the province of a local Flora to chronicle, but the subject is one not quite foreign to my purpose: that of suggesting a further botanical puzzle—connected with comital distribution—for the Record Club to unravel.

Pursuing these lines of inquiry we should gradually find ourselves concerned in agencies of dispersion, connected with the chemical or mechanical peculiarities of surface strata and soils, much more complex than those influencing plant-range in its broader aspects; but there is little doubt our labour in the grooves indicated would elicit not a few contrasts and correspondences alike instructive and interesting: some of the facts might even throw light upon the relative antiquity of the types found fused in the British Flora, and the sequence in which they overspread tracts already occupied, or previously denuded of vegetation by slowly-acting climatarthic agencies.

Finally, with regard to the scheme for the inclusion of Cryptogams broached in the Report for 1874, an explanation is the due of those members who, especially concerned with Bryology, joined us in the expectation of seeing Dr. Parsons' suggestion carried out ere this. In a limited sense the Cryptogamic Record has existed from the very first, since we have always taken cognizance of the county distribution of such

higher cryptogams as Ferns, Club-mosses and Equisetaceæ, stopping there, however; instead of which, a reference to Section V. of this Report will show that we have made a further step, and now draw the line at the genus *Chara*—a preliminary outline of the comital range of which Professor Babington has kindly furnished, drawn up upon the safe basis of specimens in his herbarium; but this year, again, it is found impossible to commence a systematic record of the Musci and Hepaticæ. There are two main reasons why such a commencement is not this year made. First, because of the prior promise to provide with this quinquennial Report a sort of supplement to *Topographical Botany*, in the shape of a Summary of all the New County Records authentically published since the 2nd Part of Mr. Watson's work was issued. That promise is now redeemed; but the Club lacks funds sufficient to give *both* the Supplement and a thirty-two or twenty-four page Cryptogamic Section in the same year. Second, under engagement to keep the one promise, the Recorder and Treasurer did not feel justified in using the funds at their disposal, for the greatest part contributed by phanerogamic botanists, to fulfil the other with. It is feared that hardly sufficient cryptogamic specialists have been attracted by the scheme into joining the Club to justify it in well-nigh doubling its printer's bill: it being assumed, of course, that a curtailment of the space now devoted to Flowering Plants and Ferns is not for one moment to be thought of. Cryptogamic botanists need not, however, despair of seeing their wishes realised. An effort is being made by Dr. H. F. Parsons, Mr. H. Boswell, Mr. C. P. Hobkirk, and others, to increase the number of cryptogamic specialists in the Club (now numbering ten) to twenty-five. If the attempt succeeds, next year the new scheme shall be inaugurated by a Section on Mosses, with basis moss-floras for a few counties to start with. Plenty of unpublished material has accumulated in the Recorder's hands, ready for use as soon as ever funds warrant. The Club has already published a respectable

*Catalogue of British Mosses* on the plan of the *London Catalogue of Flowering Plants*; but, as yet, without affixing census-numbers, indicative of county distribution, to the names of species. A standard of nomenclature and arrangement has thus been erected, in which work the compiler of the *Catalogue* had the valuable assistance of that accomplished bryologist, Mr. H. Boswell; but so far the publication has resulted in a small pecuniary loss to the Club, seeing that no considerable number of copies have been sold to outsiders. This augurs badly for a second edition—in which it is intended to include the *Hepaticæ*—and should not be, when the pains taken by the compilers to render it representative have been so considerable, and their labour so wholly one of love.

## I.

## NEW COUNTY RECORDS

ADDITIONAL TO TOPOGRAPHICAL BOTANY.

## PHANEROGAMIA.

- 1 *Clematis Vitalba*, L.  
 50 Denbigh. Bailey. 'Canal-side near Llangollen.'  
 2 *Thalictrum alpinum*, L.  
 03 Ebudes mid. Ross. 'Ben Buy, Mull.'  
 3 *T. flexuosum*. Bernh. (Majus, Bab. Man.)  
 48 Merioneth. Bailey. To indicate segregate.  
 64 York mid-west. W. N. Cheesman. 'Monk Fryston.'  
 65 York north-west. F. A. Lees. Inadvertently omitted from  
 Top. Bot.  
 4 *T. flavum*, L.  
 32 Northampton. Druce. 'Banks of River Nene.'  
 53 Lincoln south. Fowler and Lees. 'S. Kyme,' 'Fosdyke.'  
 6 *Anemone nemorosa*, L.  
 53 Lincoln south. Fowler.  
 11 *Ranunculus trichophyllus*, Chaix.  
 32 Northampton. Druce. 'Gayton Pond.'  
 54 Lincoln north. F. A. Lees. Near Brigg and Osgodby.  
 11 *R. diversifolius*, Gilib.  
 63 York south-west. A. Carr. 'Godronii.'  
 64 York mid-west. G. Webster. 'Godronii.'  
 11 *R. Drouetii*, Schultz.  
 63 York south-west. A. Carr. 'Kiveton Canal.'  
 11 *R. Baudotii*, Godr.  
 54 Lincoln north. W. Fowler. 'Ponds near Skegness.'  
 11 *R. fluitans*, L.  
 54 Lincoln north. Fowler. 'River Bain, Tattershall.'  
 63 York south-west. A. Carr. 'Stones-Dyke, Anston.'  
 64 York mid-west. W. West. 'River Aire, Saltaire.'  
 70 Cumberland. J. Hodgson. 'R. Eamont.'

- 14 *R. Ficaria*, L.  
 53 Lincoln south. Fowler.  
 16 *R. Lingua*, L.  
 53 Lincoln south. Fowler and Lees.  
 18 *R. auricomus*, L.  
 53 Lincoln south. Fowler and Lees. 'Eagle Wood.'  
 22 *R. hirsutus*, L.  
 63 York south-west. Parsons. 'Hook Road near Goole,  
 and also near Thorne.'  
 23 *R. sceleratus*, L.  
 08 Ebudes mid. Ross. 'Kinloch-Seridain, Mull.'  
 48 *Corydalis claviculata*, DC.  
 24 Buckingham. Druce. 'Buckhill Wood.'  
 30 Bedford. Druce. 'Aspley Wood.'  
 44 Carmarthen. Jones. 'Hedge at Trevaughan.'  
 54 Lincoln north. Fowler and Lees. 'Tattershall,' and  
 'Hamilton Wood, Rasen.'  
 50 *Fumaria Boræi*, Jord.  
 35 Suffolk east. Church, Babington. 'Edge of Breydon Water.'  
 50 Denbigh. Bailey. 'Road to Glyn Ceirig.'  
 61 York south-east. Parsons. 'Sandy fields, Skipwith.'  
 50 *F. confusa*, Jord.  
 35 Monmouth. Ley. 'Landogo, a garden weed.'  
 51 *F. officinalis*, L.  
 53 Lincoln south. Fowler.  
 53 *F. parviflora*, Lam.  
 80 Roxburgh.† Brotherston. A casual Colonist.  
 60 *Thlaspi arvense*, L.  
 11 Hants south. Marquand. To remove Qy. in *Top. Bot.*, p. 48.  
 65 *Teesdalia nudicaulis*, Br.  
 81 Berwick. Brotherston. 'Above Gaitheugh on bare rocky  
 places, truly wild.' To remove Qy. in *Top. Bot.*, p. 49.  
 69 *Lepidium Smithii*, Hook.  
 16 Kent west. J. Groves. 'Hedgebank near Hayes.'  
 32 Northampton. Druce. Not the type: see Gen. Loc. List.  
 70 *L. campestre*, Br.  
 53 Lincoln south. Fowler. 'Fields near Timberland.'  
 72 *Cochlearia anglica*, L.  
 53 Lincoln south. Fowler. 'Shore of the Wash.'  
 79 *Draba brachycarpa*, Jord. (D. præcox, Reich.)  
 57 Derby. Bailey. 'Millersdale.'  
 63 York south-west. A. Carr. 'Lindrick Common.'  
 64 York mid-west. T. J. Foggitt. 'Priest Lane, Ripon.'  
 86 *Cardamine sylvatica*, Link.  
 44 Carmarthen. Jones. 'Carmarthen.'  
 61 York south-east. Parsons. 'Riccall.'



- 88 *Arabis thaliana*, L.  
 82 Northampton. Druce. 'Hunsbury Hill.'  
 95 *Barbarea stricta*, Andrz.  
 53 Lincoln south. Fowler. 'Ditchside, Corby.'  
 54 Lincoln north. Lees. 'Ancholme bank, Brigg.'  
 99 *Nasturtium terrestre*, Br. (N. palustre, DC.)  
 53 Lincoln south! Fowler. 'Fosdyke near Boston and Lincoln.'  
 100 *N. sylvestre*, Br.  
 53 Lincoln south. Fowler. 'Crowland.'  
 106 *Erysimum cheiranthoides*, L.  
 32 Northampton. Druce. 'Railway bank, Kingsthorpe.'  
 54 Lincoln north. Fowler. 'Sandy fields, Twiggmoor.'  
 107 *E. Alliaria*, L.  
 53 Lincoln south. Fowler.  
 120 *Sinapis (Diplotaxis) tenuifolia*, DC.  
 32 Northampton. Druce. 'Northampton Castle walls.'  
 121 *S. muralis*, DC.  
 4 Devon north.† Rogers. 'Cliffs, Ilfracombe.'  
 80 Roxburgh.† Brotherston. 'Cultivated ground, Kelso.'  
 130 *Helianthemum canum*, Dunal.  
 64 York mid-west. F. A. Lees. 'Malham Cove ledges.'  
 133 *Viola permixta*, Jord.  
 19 Essex north. Blow. 'Saffron Walden.'  
 135 *V. Reichenbachiana*, Bor.  
 32 Northampton. Druce. 'Whittlewood Forest.'  
 63 York south-west. F. A. Lees. 'Roche Abbey valley.'  
 64 York mid-west. T. J. Foggitt. 'Glen at South Stanley.'  
 135 *V. flavicornis*, Sm. (*V. canina*, Bab.)  
 112 Shetland. R. M. Middleton. 'Balta Sound, Unst!'  
 135 *V. lactea*, Sm.  
 63 York south-west. Parsons. 'Rawcliffe rabbit-hills.'  
 137 *V. Curtisii*, Forst.  
 1 Cornwall west. Tellam. To remove Qy. *Top. Bot.*, p. 73.  
 141 *Polygala eu-vulgaris*, Syme.  
 4 Devon north. Rogers. 'Mortehoe Cliffs, Ilfracombe.'  
 8 Wilts south. Rogers. 'Chalk-bank, Stapleford.'  
 63 York south-west. Lees. Not rare in lowland.  
 64 York mid-west. Lees.  
 141 *P. oxyptera*, Reich.  
 4 Devon north. Rogers. 'Mossy turf, top of Hillsborough.'  
 63 York south-west. F. A. Lees. 'Firbeck.'  
 64 York mid-west. T. J. Foggitt. 'Field by Nidd below  
 Knaresborough.'  
 141 *P. depressa*, Wend.  
 16 Kent west. J. Groves. 'Keston Common.'  
 54 Lincoln north. Fowler. 'Boggy ground, Santon.'

- 155 *Silene anglica*, L.  
 4 Devon north. Rogers. 'By Saunton Sands.'  
 158 *S. conica*, L.  
 16 Kent west. Crespigny. 'Fallow field, Dartford.'  
 167 *Sagina apetala* (VERA), L.  
 4 Devon north. Rogers. 'Wall-top, Braunton.'  
 32 Northampton. Druce. 'Sandy field, Harleston.'  
 168 *S. ciliata*, Fr.  
 4 Devon north. Rogers. 'Cliffs, Ilfracombe.'  
 16 Kent west. H. Groves. 'Roadsides near Bickley.'  
 31 Huntingdon. Druce. 'Railway bank, Wainford.'  
 50 Denbigh. Bailey. 'Tyndwfr.'  
 54 Lincoln north. F. A. Lees. 'Wrawby Warren' and 'Sandy field, east end of Rasen.'  
 174 *Spergularia marginata*, Syme.  
 28 Norfolk west. Blow. 'Salt-marsh, Hunstanton.'  
 53 Lincoln south. Fowler. 'Seashore of Wash.'  
 179 *Arenaria tenuifolia*, L.  
 64 York mid-west. Wesley. "64 M. W. York, Baker sp.,"  
*Top. Bot.*, p. 90, should be 65 N. West York.  
 187 *Stellaria glauca*, With.  
 53 Lincoln south. Fowler and Lees. 'Bushy dried-up drain,  
 on west of G. N. Railway, 2 miles north of Lincoln.'  
 189 *S. uliginosa*, L.  
 32 Northampton. Druce. 'Harleston Heath.'  
 191 *Cerastium (Malachium) aquaticum*, Fr.  
 11 Hants south. Marquand. 'Ditch near Lymington.'  
 193 *C. triviale*, Link.  
 48 Merioneth. Bailey. 'Wall-top by Bala Lake.'  
 195 *C. arvense*, L.  
 40 Salop. Huish. To remove Qy. in *Top. Bot.*, p. 94.  
 204 *Malva moschata*, L.  
 32 Northampton. Druce. 'Potter's Park.'  
 46 Cardigan. Miss Huish. 'Craiglais Hill, Aberystwith.'  
 53 Lincoln south. Fowler. 'Braceborough.'  
 208 *Althæa officinalis*, L.  
 53 Lincoln south. Fowler. 'Fosdyke and Holbeach.'  
 211 *Tilia parvifolia*, Ehrh.  
 53 Lincoln south. † Lees. 'Skellingthorpe Wood in plenty.'  
 216 *Hypericum dubium*, Leers.  
 54 Lincoln north. F. A. Lees. Four stations near Rasen.  
 218 *H. humifusum*, L.  
 35 Monmouth. Ley. 'Woods near Llandogo.'  
 221 *H. hirsutum*, L.  
 47 Montgomery. F. A. Lees.  
 53 Lincoln south! Fowler. 'Common on oolites and lias.'

- 223 *H. elodes*, L.  
 63 York south-west! Carr. West. Three wide-apart stations.  
 228 *Erodium cicutarium*, Herit.  
 32 Northampton. Druce. 'Fotheringhay Castle Moat.'  
 231 *Geranium pratense*, L.  
 53 Lincoln south. Fowler. 'Belton.'  
 103 Ebudes mid. Ross. 'Bunnessan, Mull.'  
 232 *G. pyrenaicum*, L.  
 54 Lincoln north.\* F. A. Lees. 'Osgodby.'  
 234 *G. pusillum*, L.  
 53 Lincoln south. Fowler. 'Field near Bytham.'  
 238 *G. lucidum*, L.  
 42 Breconshire. Miss Huish. 'Aber-braw near Brecon town.'  
 245 *Euonymus europæus*, L.  
 53 Lincoln south! Fowler. Common on the limestones.  
 247 *Rhamnus Frangula*, L.  
 35 Monmouth. Ley. 'Wet hedge near Tintern.'  
 54 Lincoln north. Lees. In three stations near Rasen.  
 250 *Ulex eu-nanus*, Forster.  
 11 Hants south. Marquand. 'Brockenhurst.'  
 16 Kent west. J. Groves. 'Keston Common.'  
 32 Northampton. Druce. 'Harleston Heath.'  
 251 *Genista tinctoria*, L.  
 32 Northampton. Druce. 'Collyweston quarries.'  
 256 *Ononis reclinata*, L.  
 3 Devon south. J. H. Rossall. Introduced?  
 257 *Anthyllis vulneraria*, L.  
 31 Huntingdon. Druce. 'Wansford quarry.'  
 259 *Medicago falcata*, L.  
 70 Cumberland.† Brotherston. 'Silloth'—an Introduction.  
 272 *Trifolium medium*, L.  
 53 Lincoln south. Fowler. 'Roadside, Ponton.'  
 273 *T. hybridum*, L.  
 32 Northampton.\* Druce.  
 53 Lincoln south.† Fowler and Lees. 'Swinderby.'  
 275 *T. arvense*, L.  
 32 Northampton. Druce. 'Harleston quarries. Kingsthorpe.'  
 277 *T. striatum*, L.  
 16 Kent west. H. Groves. 'Heath near Dartford.'  
 282 *T. minus*, Relhan.  
 32 Northampton. Druce. 'Whittlewood Forest.'  
 35 Monmouth. Ley.  
 282 *T. filiforme*, L.  
 62 York north-east. Foggitt. 'Holmes Head, Thirsk.'  
 63 York south-west. Parsons. 'Rawcliffe rabbit-hills.' To confirm vice county.

- 283 *Lotus tenuis*, Kit.  
 53 Lincoln south. Lees and Fowler.  
 54 Lincoln north. Fowler.  
 298 *Vicia angustifolia*, Roth.  
 44 Carmarthen. Jones. 'Hendre near Llanybri.'  
 315 *Prunus Padus*, L.  
 54 Lincoln north. Parsons. 'Near Frodingham.'  
 321 *Geum intermedium*, Ehrh.  
 6 Somerset north. Parsons. 'Asham Wood, Mendip.'  
 329 *Potentilla verna*, L.  
 62 York north-east. W. Foggitt. 'Yowlass Glen, Hawaby.'  
 332 *P. procumbens*, Sibth.  
 4 Devon north. Moyle Rogers. 'Lundy Is.' Untypical.  
 54 Lincoln north. F. A. Lees. 'Wrawby Warren.'  
 333 *P. Fragariastrum*, L.  
 53 Lincoln south. Fowler. 'Corby.'  
 335 *Fragaria vesca*, L.  
 53 Lincoln south. Fowler. 'Bourne and other woods.'  
 338 *R. saxatilis*, L.  
 34 Gloster W. Ley. 'Woods between Tintern and Llançant.'  
 340 *R. suberectus*, And.  
 63 York south-west. A. Carr. 'Wharmliffe Wood.'  
 340 *R. fissus*, Lindl.  
 38 Warwick. Bagnall. 'Sutton Park.'  
 54 Lincoln north. F. A. Lees. 'Linwood Warren.'  
 63 York south-west. A. Carr. 'Lane near Ecclesfield.'  
 340 *R. affinis*, W. and N.  
 38 Warwick. Bagnall. 'Sutton Park.' Local in Co.  
 54 Lincoln north. F. A. Lees. A common form.  
 63 York south-west. Carr. Common near Sheffield.  
 340 *R. Lindleianus*, Lees.  
 39 Stafford. Fraser. 'Hedges, Wolverhampton.'  
 340 *R. rhamnifolius*, W. and N.  
 38 Warwick. Bagnall. Type and vars.  
 54 Lincoln north. F. A. Lees. Var. *cordifolius*.  
 340 *R. imbricatus*, Hort.  
 38 Warwick. Bagnall. 'Var. *ramosus*.'  
 340 *R. thyrsoideus*, Wimm.  
 63 York south-west. A Carr. 'Hollow meadows.'  
 340 *R. leucostachys*, Sm.  
 54 Lincoln north. F. A. Lees. Nettleton, &c.  
 63 York south-west. A. Carr. A frequent form.  
 64 York mid-west. F. A. Lees. Not unfrequent.  
 340 *R. Salteri*, Bab.  
 38 Warwick. Bagnall. The type.  
 54 Lincoln north. F. A. Lees. Var. '*calvatus*.'  
 64 York mid-west. F. A. Lees. The type.

- 340 *R. carpinifolius*, W. and N.  
 54 Lincoln north. F. A. Lees. A rare form.  
 340 *R. macrophyllus*, Weihe.  
 38 Warwick. Bagnall. '*Umbrosus*' and '*amplificatus*.'  
 53 Lincoln south. Lees. 'Norton Wood.' '*Umbrosus*.'  
 54 Lincoln north. F. A. Lees. '*Umbrosus*,' common.  
 63 York south-west. Carr. Type 'Wharnccliffe Wood.'  
 64 York mid-west. Lees. '*Umbrosus*' is common.  
 340 *R. mucronulatus*, Bor.  
 54 Lincoln north. F. A. Lees. The type.  
 63 York south-west. Carr. Var. '*festivus*,' Wirtg.  
 64 York mid-west. F. A. Lees. The type.  
 340 *R. Bloxamii*, Bab.  
 63 York south-west. Carr. 'Upper Bradfield, Sheffield.'  
 340 *R. rosaceus*, Weihe.  
 38 Warwick. Bagnall. 'Moor Hall Park.'  
 340 *R. pygmæus*, Weihe.  
 64 York mid-west. Webster *spn.* 'Near Quaker's Wood.'  
 340 *R. rudis*, Weihe.  
 38 Warwick. Bagnall. 'Frequent in county.'  
 340 *R. radula*, Weihe.  
 38 Warwick. Bagnall. Type and two *vars.*  
 340 *R. Koehleri*, Weihe.  
 38 Warwick. Bagnall. Vars. '*verus*' and '*infestus*.'  
 63 York south-west. Carr. '*Pallidus*.'  
 340 *R. diversifolius*, Lindl.  
 63 York south-west. Carr.  
 340 *R. humifusus*, Weihe.  
 63 York south-west. Carr. 'Wharnccliffe Wood.'  
 340 *R. atro-rubens*, Wirtg.  
 63 York south-west. Carr. '*Foliosus*,' C. C. B.  
 340 *R. glandulosus*, Bell.  
 39 Stafford. Fraser. 'Bellardi.'  
 63 York south-west. Carr. 'Dentatus, Blox.' *auct.* C. C. B.  
 340 *R. corylifolius*, Sm.  
 38 Warwick. Bagnall. Vars. '*spinus*,' &c.  
 63 York south-west. Carr. Two *vars.*  
 343 *Rosa involuta*, Sm. 'Smithii, Baker.'  
 84 Linlithgow. Craig-Christie. 'Almond bank near Ratho.'  
 344 *R. mollissima*, Fries.  
 20 Herts. Blow. 'Between Woolmer Green and Welwyn.'  
 32 Northampton. Druce. 'Plain woods.'  
 38 Warwick. Bagnall. 'Coleshill Heath.'  
 54 Lincoln north. Lees. 'Firwood, 1½ mile N. of Rasen.'  
 345 *R. tomentosa*, Sm.  
 54 Lincoln north. F. A. Lees. 'Four-lane-ends, Bleasby.'

- 349 *R. micrantha*, Sm.  
 16 Kent west. H. Groves. 'Northfleet.'  
 80 Roxburgh. Brotherston. 'Roadside to Yetholm.'  
 81 Berwick. Brotherston. 'By road to Newthorn.'  
 350 *R. rubiginosa*, L.  
 16 Kent west. J. Groves. 'Near Shoreham.'  
 352 *R. systyla*, Bast.  
 16 Kent west. J. Groves.  
 63 York south-west. F. A. Lees.  
 351 *R. lutetiana*, Lem.  
 54 Lincoln north. F. A. Lees. 'Bleasby fields.'  
 63 York south-west. A. Carr. 'Not common.'  
 351 *R. dumalis*, Bechst.  
 54 Lincoln north. F. A. Lees. The commonest form.  
 63 York south-west. A. Carr. The commonest form.  
 351 *R. urbica*, Lem.  
 54 Lincoln north. F. A. Lees. Commoner than typical *lutetiana*.  
 63 York south-west. A. Carr. Commoner than typical *lutetiana*.  
 351 *R. biserrata*, Merat.  
 54 Lincoln north. F. A. Lees. 'Bleasby Lane, Linwood.'  
 63 York south-west. A. Carr. 'Bell Hagg,' 'Crosspool.'  
 351 *R. Reuteri*, Godet.  
 38 Warwick. Bagnall. 'Rare in the Co.'  
 54 Lincoln north. F. A. Lees. A common form.  
 63 York south-west. A. Carr. 'Wyoming brook.'  
 351 *R. coriifolia*, Fr.  
 92 Northampton. Druce.  
 54 Lincoln north. F. A. Lees. Several stations.  
 63 York south-west. A. Carr. 'Near Lindrick Common.'  
 351 *R. obtusifolia*, Desv.  
 38 Warwick. Bagnall. 'Marston Green.'  
 63 York south-west. A. Carr. 'Bell Hagg.'  
 351 *R. Watsoni*, Baker.  
 63 York south-west. A. Carr. 'Roadside near Redmires.'  
 351 *R. arvatica*, Puget.  
 32 Northampton. Druce. 'Stone-pit, Houghton Road.'  
 63 York south-west. A. Carr. 'Bell Hagg,' 'Blackburn.'  
 351 *R. Kosinciana*, Bess. 'Collina,' Angl. Auct.  
 63 York south-west. A. Carr. 'Grenoside,' 'Ecclesfield,' and  
 'Gulthwaite.'  
 351 *R. verticillacantha*, Merat.  
 63 York south-west. A. Carr. 'Redmires' and 'Cliff Rocher.'  
 351 *R. Borreri*, Woods.  
 38 Warwick. Bagnall.  
 353 *R. arvensis*, L.  
 53 Lincoln south. Fowler and Lees. Not rare.

- 354 *Agrimonia odorata*, Mill.  
 11 Hants south. Marquand. 'Brockenhurst.'  
 357 *Alchemilla alpina*, L.  
 108 Ebudes mid. Ross. 'Glen Sealeasdair, Mull.'  
 360 *Crataegus Oxyacanthoides*, Boreau.  
 53 Lincoln south. F. A. Lees. 'Skellingthorpe wood-sides.'  
 54 Lincoln north. F. A. Lees.  
 362 *Pyrus communis*, L.  
 54 Lincoln north.† Lees. 'Wold Road, Walesby.' Denizen.  
 365 *P. Aria*, Hooker.  
 32 Northampton.\* Druce. 'Abington pond-side.'  
 367 *Epilobium angustifolium*, L.  
 32 Northampton.\* Druce. Daston quarries—'brachycarpum.'  
 53 Lincoln south. Fowler and Lees. 'Moor near Hykeham.'  
 61 York south-east. Lees. 'Near Pocklington.'  
 368 *E. hirsutum*, L.  
 53 Lincoln south. Fowler. 'Near Walcot.'  
 373 *E. obscurum*, Schreb.  
 53 Lincoln south. Fowler. 'Thurlby.'  
 377 *Circaea lutetiana*, L.  
 53 Lincoln south. Fowler.  
 377 *C. intermedia*, Ehrh.  
 81 Berwick. Brotherston. 'Wooded bank, Gaitheugh.'  
 378 *C. alpina*, L.  
 65 York north-west. F. A. Lees. 'Low Gill, Howgill Fells.'  
 379 *Hippuris vulgaris*, L.  
 53 Lincoln south. Fowler. 'Kyme Eau,' and 'Bourne.'  
 381 *Myriophyllum spicatum*, L.  
 32 Northampton. Druce. 'Wakefield pond.' *Eu-spicatum*.  
 34 Gloster west. Ley. 'Cinderford.' *Eu-spicatum*.  
 385 *Callitriche obtusangula*, Le Gall.  
 1 Cornwall west. Tellam. 'Ditches, St. Mary's, Scilly.'  
 3 Devon south. Briggs and Rogers. 'Pool by Teign, Ashton.'  
 21 Middlesex. H. and J. Groves. 'Stream near Sunbury.'  
 54 Lincoln north. F. A. Lees. 'Brackish ditch, Gunness.'  
 388 *Ceratophyllum aquaticum*, E. B.  
 53 Lincoln south. Lees. 'In the Witham, below Lincoln.'  
 61 York south-east. Parsons. 'Brough.'  
 63 York south-west. Parsons.  
 388 *Ceratophyllum submersum*, L.  
 15 Kent east. Blow. To indicate segregate.  
 391 *Peplis Portula*, L.  
 32 Northampton. Druce. 'Pond-side; Farthingstone.'  
 401 *Ribes nigrum*, L.  
 11 Hants south.\* Marquand. As an alien.  
 54 Lincoln north.\* Fowler. As an alien.

- 406 *Ribes Grossularia*, L.  
 54 Lincoln north.† Fowler and Lees. 'Bromby Wood, and frequent about Rasen.'  
 412 *Sedum anglicum*, L.  
 65 York north-west. Lees. 'Howgill Fells, on slate.'  
 418 *Cotyledon Umbilicus*, L.  
 32 Northampton. Druce. Native?  
 54 Lincoln north.\* Fowler. Probably introduced.  
 425 *Saxifraga aizoides*, L.  
 103 Ebudes mid. Ross. 'Glen Sealeasdair, Mull.'  
 434 *Chrysosplenium oppositifolium*, L.  
 54 Lincoln north. Fowler. 'Wood, Tattershall.'  
 60 Lancaster west. Lees. 'Wennington.'  
 441 *Hydrocotyle vulgaris*, L.  
 32 Northampton. Druce. 'Harleston Heath—very rare.'  
 464 *Sium latifolium*, L.  
 53 Lincoln south. Fowler and Lees. 'S. Kyme.' 'Boston,' &c.  
 63 York south-west. Parsons. 'Whitgift. Goole. Adlingfleet.'  
 64 York mid-west. Parsons. 'Sedge Lane, Drax.'  
 470 *Cœnanthe fistulosa*, L.  
 35 Monmouth. Ley. 'Wet field, Trelleck.'  
 471 *Cœ. Lachenalii*, Gmel.  
 53 Lincoln south. Fowler and Lees. 'Fosdyke' and 'Dod-dington Car.'  
 478 *Silaus pratensis*, Bess.  
 53 Lincoln south. Fowler. 'S. Kyme.'  
 486 *Pastinaca sativa*, L.  
 53 Lincoln south. Fowler. 'Sea banks, Fosdyke.'  
 516 *Galium uliginosum*, L.  
 54 Lincoln north. Lees and Fowler. 'Nettleton Glen.'  
 522 *G. tricorne*, With.  
 3 Devon south. Moyle Rogers. 'Trusham and Ashton fields.'  
 528 *Asperula cynanchica*, L.  
 34 Gloster west. Ley. 'Birdlip.'  
 532 *Valeriana officinalis*, L.  
 53 Lincoln south. Fowler. 'Dogdyke.'  
 532 *V. Mikanii*, Bab.  
 54 Linc. north. F. A. Lees. 'Broughton Wood.' As segregate.  
 535 *Fedia carinata*, Lois.  
 3 Devon south. Briggs and Rogers. 'Hedge-bank, Bovey-Tracey.'  
 540 *Dipsacus pilosus*, L.  
 53 Lincoln south. Fowler. 'Little Ponton Wood.'  
 54 Lincoln north. F. A. Lees. 'Claxby Wood, plentiful.'  
 546 *Helminthia echioides*, Gaert.  
 50 Lincoln south. Fowler. 'Near Walcot.'



- 547 *Picris hieracioides*, L.  
 16 Kent west. J. Groves. 'Corn-field near Swanley.'  
 32 Northampton. Druce. 'Weldon quarries.'  
 50 Denb. Bailey. 'Tan-y-Castell.' To remove? *Top. Bot.*, p. 214.  
 573 *Hieracium vulgatum*, Fries.  
 34 Gloster west. Ley. 'Mitcheldean.'  
 574 *H. pallidum*, Backh.  
 4 Devon north. Mott. 'Rocks, Lynmouth.'  
 581 *H. crocatum*, Fr.  
 103 Ebudes mid. Ross. 'Erie, Mull.'  
 583 *H. rigidum*, Backh.  
 103 Ebudes mid. Ross. 'Heather-field, Mull.'  
 584 *H. umbellatum*, L.  
 54 Lincoln north. F. A. Lees. Common around Rasen.  
 584 *H. boreale*, Fries.  
 54 Lincoln north. F. A. Lees. Not so common as *umbellatum*.  
 63 York south-west. F. A. Lees. 'Near Tickhill.'  
 586 *Barkhausia taraxacifolia*, Thuill.  
 32 Northampton.† Druce. 'Near brickyard, Harleston Road.'  
 592 *Arctium majus*, Schkuhr.  
 53 Lincoln south. Fowler. 'Jericho Wood, Honington.'  
 54 Lincoln north. Lees and Fowler. 'Brickyard, Brigg, &c.'  
 63 York south-west. Lees. Waste ground by rail, Doncaster.  
 592 *A. minus*, Schkuhr.  
 34 Gloster west. Ley. 'Mitcheldean.'  
 53 Linc. south. Fowler and Lees. Crowland, Skellingthorpe, &c.  
 593 *Saussurea alpina*, DC.  
 48 Merioneth. J. Backhouse. 'Aran Mowddy' hills.  
 606 *Carduus acaulis*, L.  
 53 Lincoln south. Fowler. 'Braceboro', Corby, and Ponton.'  
 63 York south-west. Carr, Lees. 'Lindrick Common, Kiveton!'  
 609 *Carlina vulgaris*, L.  
 32 Northampton. Druce. 'Collyweston quarries.'  
 615 *Centaurea Calcitrapa*, L.  
 63 York south-west.\* West. Casual.  
 624 *Artemisia maritima*, L.  
 53 Lincoln south. Fowler. 'Sea-bank of Fosdyke Wash.'  
 639 *Erigeron acris*, L.  
 53 Lincoln south. Fowler. 'Bank near Fosdyke.'  
 641 *Aster Tripolium*, L.  
 53 Lincoln south. Fowler. 'Sea-bank of Wash.'  
 642 *Solidago Virgaurea*, L.  
 53 Lincoln south. Fowler and Lees. 'Lane near Norton Wood, Swinderby.'  
 54 Lincoln north. F. A. Lees. Frequent near Rasen.

- 644 *Senecio sylvaticus*, L.  
 35 Monmouth. Ley. 'Wood above Llandogo.'  
 653 *Doronicum Pardalianches*, L.  
 54 Lincoln north.\* Lees. 'Hedge near Kirkby Church.'  
 656 *Inula Conyza*, L.  
 54 Lincoln north. Lees. 'Normanby-le-Wold.'  
 668 *Anthemis arvensis*, L.  
 54 Lincoln north! Allen *spn.* Fields about Rasen.  
 680 *Campanula Trachelium*, L.  
 53 Lincoln south. Fowler. 'Oolitic woods near Braceboro'.  
 681 *C. glomerata*, L.  
 34 Gloster west. Ley. 'Near Birdlip.'  
 684 *C. hybrida*, L.  
 68 Cheviot.† Brotherston. 'Roadside, West Newton.' A Casual?  
 692 *Erica cinerea*, L.  
 32 Northampton. Druce. 'Kingsthorpe Bushes.'  
 719 *Gentiana Pneumonante*, L.  
 64 York mid-west. Fowler. 'Kingsley sp.' of *Top. Bot.*, p. 266,  
 was a mis-localisation.  
 722 *G. campestris*, L.  
 14 Sussex east. Roper. 'Down-top, Willingdon parish.'  
 727 *Menyanthes trifoliata*, L.  
 53 Lincoln south. Lees and Fowler. 'Fosdyke Drains.'  
 732 *Cuscuta europæa*, L.  
 63 York south-west. G. Roberts.  
 735 *C. Trifolii*, Bab.  
 32 Northampton.† Druce. 'Harleston.'  
 741 *Verbascum Lychnitis*, L.  
 39 Stafford. Horace Pearce and Fraser. 'Whittington Common.'  
 743 *V. nigrum*, L.  
 63 York south-west.\* W. West. A railway-bank Casual.  
 745 *V. virgatum*, With.  
 32 Northampton.\* Druce. 'Sandy-fields, Harleston.'  
 753 *Veronica scutellata*, L.  
 32 Northampton. Druce. 'Harpole Pond. Local.'  
 759 *V. hederifolia*, L.  
 53 Lincoln south. Fowler. 'Billinghay fields.'  
 762 *V. Buxbaumii*, Ten.  
 16 Kent west, H. Groves. 'Dartford.'  
 50 Denbigh. Bailey. A Colonist.  
 764 *Bartsia viscosa*, L.  
 44 Carmarthen. Jones. 'Kidwelly sandhills.'  
 767 *Rhinanthus Crista-galli*, L.  
 53 Lincoln south. Fowler. 'South Kyme.'  
 770 *Melampyrum pratense*, L.  
 53 Lincoln south. Fowler. 'Bourn, Braceboro', and Skelling-  
 thorpe woods.

- 772 *Pedicularis palustris*, L.  
 53 Lincoln south. Fowler and Lees. 'S. Kyme.' 'Fosdyke'  
 drains, Lincoln.
- 776 *Scrophularia Scorodonia*, L.  
 4 Devon north. Rogers. 'Lundy Island.'
- 780 *Antirrhinum Orontium*, L.  
 58 Cheshire.\* M. Ward. Amongst fodder. A casual?  
 782 *Linaria spuria*, Mill.
- 88 Warwick. Bagnall. 'Lane near Exhall, abundant.' To  
 remove Qy. *Top. Bot.*, p. 284.
- 53 Lincoln south. Fowler. 'Field at Braceborough.'  
 788 *L. Elatine*, Mill.
- 53 Lincoln south. Lees and Fowler. 'Barley-field, Swinderby.'  
 788 *Limosella aquatica*, L.
- 63 York south-west. Parsons. 'Rawcliffe rabbit-hills.'  
 802 *Mentha alopecuroides*, L.
- 68 Cheviotland.† Brotherston. 'College-water, Heathpool.'  
 804 *M. viridis*, L.
- 54 Lincoln north.\* F. A. Lees. Rase banks, east of Rasen.  
 A denizen here and elsewhere in the county.  
 805 *M. Piperita*, Huds. 'Vulgaris, Sole.'
- 54 Lincoln north. Lees. By clayey ponds in fields. A native.  
 807 *M. sativa*, L.
- 32 Northampton. Druce.  
 808 *M. arvensis*, L.
- 48 Merioneth. Bailey. 'Bala lake margin.'
- 53 Lincoln south. Fowler. 'Field at Bourn.'  
 810 *Thymus Chamædrys*, Fries.
- 32 Northampton. Druce. 'Plain woods.'  
 812 *Calamintha Acinos*, Clairv.
- 32 Northampton. Druce. 'Sandy fields, Harleston.'  
 818 *Teucrium Scorodonia*, L.
- 32 Northampton. Druce. 'Harleston Firs. Rare in Co.'
- 53 Linc. south. Lees and Fowler. 'Norton Wood. Quite rare.'  
 821 *T. Chamædrys*, L.
- 54 Lincoln north.\* Fowler and Lees. As a denizen.  
 827 *Lamium Galeobdolon*, Crantz.
- 53 Linc. south. Fowler and Lees. 'Thurlby' and 'Eagle Woods.'  
 832 *Galeopsis Ladanum*, L.
- 32 Northampton. Druce. 'Barnack.'
- 50 Derbigh. Bailey. 'Canal-side, Llangollen.'  
 833 *G. ochroleuca*, L.
- 54 Linc. north.† Fowler. 'Sandy field, Twigmoor; a Colonist.'  
 837 *Stachys ambigua*, Sm.
- 35 Monmouth. Ley. 'Wet hedge, Trelleck.'

- 840 *S. arvensis*, L.  
 103 Ebudes mid. Ross. 'Erie, Mull.'  
 845 *Scutellaria galericulata*, L.  
 53 Lincoln south. Fowler and Lees. 'Bourn Wood,' and  
 'by Foss near Lincoln.'  
 847 *Myosotis palustris*, With.  
 50 Denbigh. Bailey. 'By canal, Berwyn.'  
 848 *M. repens*, Don.  
 35 Monmouth. Ley. 'Trelleck.'  
 54 Lincoln north. Lees. 'Holton-le-moor.' 'Legsby.'  
 851 *M. sylvatica*, Ehrh.  
 54 Lincoln north. Lees. 'Elinor Wood, Linwood.'  
 859 *Symphytum officinale*, L.  
 53 Lincoln south. Fowler. 'Banks, Dogdyke to S. Kyme.'  
 860 *S. tuberosum*, L.  
 21 Middlesex.\* H. and J. Groves.  
 862 *Lycopsis arvensis*, L.  
 11 Hants south. Marquand. 'Common near Christchurch.'  
 874 *Pinguicula lusitanica*, L.  
 103 Ebudes mid. Ross. 'Ben Buy, Mull; frequent.'  
 875 *Utricularia vulgaris*, L.  
 53 Lincoln south. Lees and Fowler. 'Fosdyke.'  
 878 *Primula vulgaris*, Huds.  
 53 Lincoln south. Fowler. 'S. Kyme' and 'Skellingthorpe.'  
 884 *Trientalis europæa*, L.  
 64 York mid-west. Parsons. To remove Qy. *Top. Bot.*, p. 821.  
 886 *Lysimachia vulgaris*, L.  
 32 Northampton. Druce. 'Near Cosgrove.'  
 887 *L. thyrsiflora*, L.  
 59 Lancaster south.† R. H. Alcock. 'Possibly introduced.'  
 891 *Anagallis tenella*, L.  
 34 Gloster west. Ley. 'Near Mitcheldean.'  
 892 *Centunculus minimus*, L.  
 63 York south-west. Gerard E. Smith. 'Wood-rides, Maltby.'  
 894 *Glaux maritima*, L.  
 53 Lincoln south. Fowler. 'Shore of Fosdyke Wash.'  
 895 *Armeria maritima*, L.  
 53 Lincoln south. Fowler. 'Seashore of Wash.'  
 905 *Plantago Coronopus*, L.  
 53 Lincoln south. Fowler. 'Lane at Swinderby.'  
 917 *Chenopodium Bonus-Henricus*, L.  
 32 Northampton. Druce. 'Dallington.'  
 53 Lincoln south. Fowler and Lees. 'Roadside, Swinderby.'  
 918 *Obione Portulacoides*, L.  
 4 Devon north. Rogers. 'By salt water, Instow.'  
 53 Lincoln south. Fowler. 'Shore, Fosdyke Wash.'

- 922 *Atriplex deltoidea*, Bab.  
 32 Northampton. Druce.  
 923 *A. angustifolia*, Sm.  
 4 Devon north. Rogers. Ilfracombe.  
 924 *A. littoralis*, L.  
 53 Lincoln south. Fowler. 'Seashore of Wash.'  
 929 *Salicornia herbacea*, L.  
 53 Lincoln south. Fowler. 'Shore of Wash.'  
 930 *S. radicans*, Sm.  
 3 Devon south. Rogers. 'Tide-washed sand, Dawlish.'  
 937 *Polygonum Hydropiper*, L.  
 53 Lincoln south. Fowler and Lees. 'Skellingthorpe Wood.'  
 54 Lincoln north. Lees. 'Legsby Warren.' 'Linwood Wood.'  
 940 *P. maritimum*, L.  
 4 Devon north. Rogers. 'Sea-sands, Braunton Burrows.'  
 944 *Rumex aquaticus*, 'L.'  
 81 Berwick. Brotherston. 'Gaitheugh, Tweedside.'  
 944 *R. conspersus*, Hartm.  
 81 Berwick. Brotherston. 'On Tweedside.'  
 949 *R. pulcher*, L.  
 4 Devon north. Rogers. 'In turf, Capstone Hill, Ilfracombe.'  
 80 Roxburgh.\* Brotherston. An alien.  
 963 *Euphorbia platyphylla*, L.  
 64 York mid-west. West. 'Field by Bishop Wood.'  
 974 *Euphorbia amygdaloides*, L.  
 53 Lincoln south. Fowler. 'In Bourn Wood'!  
 976 *Mercurialis perennis*, L.  
 53 Lincoln south. Fowler. 'S. Kyme.' 'Eagle.'  
 990 *Carpinus Betulus*, L.  
 3 Devon south.† Rogers. 'By R. Teign near Crocombe.'  
 32 Northampton.† Druce. 'Upton.'  
 54 Lincoln north.\* Lees. Certainly alien.  
 993 *Betula verrucosa*, Ehrh.  
 53 Lincoln south. Lees. Common.  
 54 Lincoln north. F. A. Lees. Common.  
 100 Clyde-isles. Bailey. 'Glen Sannox, Arran.'  
 993 *B. pubescens*, Ehrh.  
 53 Lincoln south. Lees. Common.  
 54 Lincoln north. Lees. Common.  
 997 *Populus tremula*, L.  
 11. Hants south.† Marquand. 'Roydon.' Occasional, but probably often planted.'  
 53 Lincoln south. Fowler and Lees. 'Coppice by the Foss.'  
 54 Lincoln north. F. A. Lees. 'Abundantly native on heaths.'  
 999 *Salix pentandra*, L.  
 54 Linc. north. Fowler. 'Skier's Flash, Haxey.' 'Gt. Coates.'

- 1005 *S. purpurea*, L.  
 53 Lincoln north. F. A. Lees. Foss-side above Lincoln.  
 54 Lincoln north. Fowler. 'Skier's Flash, Haxey.'  
 1007 *S. stipularis*, Sm.  
 68 Cheviot. Brotherston. 'Between Wooler and Common Burn.'  
 80 Roxburgh. Brotherston. 'Bowmont water.' 'Peatrig Bog.'  
 81 Berwick. Brotherston. 'Coldingham Loch.'  
 1011 *S. aurita*, L.  
 54 Lincoln north. Lees and Fowler. Common on sandy heaths.  
 1012 *S. caprea*, L.  
 53 Lincoln south. Fowler.  
 1016 *S. ambigua*, Ehrh.  
 54 Lincoln north. F. A. Lees. 'Sandy heaths near Rasen.'  
 1017 *S. repens*, L.  
 16 Kent west. J. Groves. 'Keston Common.'  
 53 Linc. south. Fowler and Lees. '*Ascendens*,' and '*argentea*.'  
 54 Lincoln north. Fowler and Lees. '*Ascendens*' '*prostrata*,'  
 and '*argentea*.'  
 80 Roxb. Brotherston. '*Ascendens*,' '*prostrata*,' and '*argentea*.'  
 1081 *Taxus baccata*, L.  
 13 Sussex west. Oakeshott. 'Cissbury Ring, Broadwater.'  
 1088 *Listera ovata*, Br.  
 53 Lincoln south. Fowler. 'South Kyme.'  
 1089 *Epipactis latifolia*, Bab.  
 11 Hants south. Marquand. Var. *purpurata*, Sm.  
 53 Lincoln south. Fowler. 'Jericho Wood, Honington.'  
 1045 *Orchis Morio*, L.  
 53 Lincoln south. Fowler. 'Meadow, S. Kyme.'  
 1051 *O. pyramidalis*, L.  
 50 Denbigh. Bailey. 'Tan-y-Castell.'  
 1052 *O. majalis*, Top. Bot. (EU-LATIFOLIA).  
 53 Lincoln south. Fowler. 'Meadow, S. Kyme.'  
 54 Lincoln north. F. A. Lees. 'Barnetby, wet waste ground.'  
 1052 *O. incarnata*, L.  
 44 Carmarthen. Jones. 'Kidwelly sand-hills.'  
 54 Lincoln north. Fowler. 'Skier's Flash.' 'Near Thealby.'  
 59 Lancaster south. F. A. Lees. 'Southport sand-hills.'  
 1053 *O. maculata*, L.  
 53 Lincoln south. Fowler.  
 1055 *Habenaria eu-bifolia*, Bab.  
 44 Carmarthen. Jones. 'Upland pastures, Llangunnoch.'  
 54 Lincoln north. Fowler and Lees. 'Skier's Flash, Haxey.'  
 'Heathy lane, Rasen.'  
 1055 *H. chlorantha*, Bab.  
 32 Northampton. Druce. 'Wakerley Wood.'  
 53 Lincoln south. Fowler. 'Boothby Wood.'

- 1056 *H. viridis*, Br.  
 108 Ebudes mid. Ross. 'Runa-gal, Mull.'  
 1063 *Malaxis paludosa*, Sw.  
 59 Lancaster south. J. Percival. 'Whiteley Dene, Rochdale.'  
 1086 *Allium ursinum*, L.  
 53 Lincoln south. Fowler. 'Braceboro.'  
 89 Perth east. Druce. 'Killiecrankie, east side of R. Garry.'  
 1089 *Ornithogalum nutans*, L.  
 62 York north-east.\* T. J. Foggitt. A denizen.  
 1092 *Scilla autumnalis*, L.  
 4 Devon north. Rogers. 'Cliffs between Mortehoe and Wollacombe.'  
 1093 *Hyacinthus non-scriptus*, L.  
 53 Lincoln south. Fowler. 'S. Kyme.'  
 1102 *Polygonatum officinale*, All.  
 48 Merion. Jas. Backhouse. 'Between Harlech and Barmouth.'  
 1103 *Paris quadrifolia*, L.  
 53 Lincoln south. Fowler. 'Bourn Wood.'  
 1110 *Alisma ranunculoides*, L.  
 53 Lincoln south. Fowler. 'Ditch, S. Kyme.'  
 1115 *Triglochin maritimum*, L.  
 53 Lincoln south. Fowler. 'Seashore, Fosdyke Wash.'  
 1116 *T. palustre*, L.  
 32 Northampton. Druce. 'Foxhall,' &c.  
 1119 *Potamogeton flabellatus*, Bab.  
 53 Lincoln south. Fowler. 'Pools near Wash bank.'  
 1122 *P. compressus*, L. (*Mucronatus*, Schrad.)  
 32 Northampton. Druce. 'In the R. Nene.'  
 64 York mid-west. F. A. Lees. 'Selby 'Cut' Canal.'  
 1123 *P. obtusifolius*, M. et K.  
 14 Sussex east. Roper. 'Ditch between Hailsham and Magham Down.'  
 32 Northampton. Druce. 'Wakefield Pond.'  
 54 Lincoln north. F. A. Lees. 'Ancholme, Bishopbridge.'  
 63 York south-west. A. Carr. 'Kiveton Canal, Sheffield.'  
 1129 *P. heterophyllus*, Schreb.  
 54 Lincoln north. Fowler. 'Double rivers, near Crowle station.'  
 1131 *P. rufescens*, Schrad.  
 64 York mid-west. W. West.  
 1132 *P. eu-natans*, Syme.  
 14 Sussex east. Roper. 'Pond near Folkingham.'  
 32 Northampton. Druce. 'Delapre ponds.'  
 34 Gloster west. Ley. 'Marsh, Cinderford.'  
 1133 *P. polygonifolius*, Pourr.  
 16 Kent west. J. Groves. 'Keston Common.'  
 34 Gloster west. Ley. 'Marsh, Cinderford.'

- 1184 *P. plantagineus*, Ducros.
- 54 Lincoln north. F. A. Lees. 'Drain near Barnetby.'  
1186 *Zannichellia eu-palustris*, L.
- 64 York mid-west. Parsons. To shew segregate.  
1187 *Zostera marina*, L.
- 103 Ebudes mid. Ross. 'Dooling, Drumfin, Mull.'  
1140 *Lemna polyrhiza*, L.
- 16 Kent west. H. Groves. 'Ditch near Greenhithe.'  
1142 *Arum maculatum*, L.
- 53 Lincoln south. F. A. Lees. 'Eagle Wood.'  
1142 *A. italicum*, Mill.
- 1 Cornwall west. J. Ralls. 'Love lane, Penzance.' 'T'rereife.'  
1146 *Sparganium ramosum*, Huds.
- 53 Lincoln south. Fowler. 'S. Kyme.'  
1148 *Typha angustifolia*, L.
- 53 Lincoln south. Fowler and Lees. 'Ditches near Fosdyke.'  
1159 *Juncus supinus*, Moench.
- 32 Northampton. Druce. 'Harleston Heath; the *only* loc. in Co.'  
1160 *J. compressus*, Jacq.
- 32 Northampton. Druce. Wakefield Lawn.
- 63 York s.w.! G. E. Smith. 'Roche Abbey water-meadows.'  
1160 *J. Gerardi*, Loisel.
- 11 Hants south. Marquand. To indicate segregate.
- 28 Norfolk west. Blow. 'Salt-marsh, Hunstanton.'
- 61 York south-east. Parsons. To confirm record, p. 48.  
1162 *J. bufonius*, L.
- 48 Merioneth. Bailey. 'Bala lake margin.'  
1169 *Luzula sylvatica*, Bichen.
- 53 Lincoln south. Fowler. 'Braceborough Wood.'  
1170 *L. pilosa*, Willd.
- 53 Lincoln south. Fowler. 'Bourn Wood.'  
1173 *L. multiflora*, Koch.
- 8 Wilts south. Rogers. 'Alderbury Common bog.'  
1178 *Cladium Mariscus*, Br.
- 54 Lincoln north. Fowler. 'Turf-pits, Haxey; bog below Manton,' &c.  
1179 *Schœnus nigricans*, L.
- 32 Northampton. Druce. 'Marsh near Wittering.'  
1180 *Rhynchospora alba*, Vahl.
- 54 Lincoln north. Lees and Fowler. 'Linwood Warren' and 'Scotter Common.'
- 1182 *Blysmus compressus*, Panz.
- 20 Herts. Crespigny. 'Rickmansworth Moor.'
- 32 Northampton. Lewin and Druce. 'Foxhall bog.'  
1184 *Scirpus lacustris*, L.
- 53 Linc. south. Lees and Fowler. 'Ponds S.W. of Lincoln.'



- 1194 *S. multicaulis*, Sm.  
 54 Lincoln north. F. A. Lees. 'Linwood Warren.'  
 1205 *Carex pulicaris*, L.  
 32 Northampton. Druce. 'Foxhall bog.'  
 1206 *C. pauciflora*, Lightf.  
 103 Mull mid. Ross. 'Marsh, south side of Ben Buy.'  
 1209 *C. stellulata*, Good.  
 32 Northampton. Druce. 'Kingsthorpe; Foxhall.'  
 1211 *C. ovalis*, Good.  
 53 Lincoln south. F. A. Lees. 'Witham side below Lincoln.'  
 1214 *C. remota*, L.  
 32 Northampton. Druce. 'Canal-side, Blisworth.'  
 53 Lincoln south. Fowler. Bourn, Ponton, &c.  
 1216 *C. Boeninghausenia*, Weihe.  
 70 Cumberland. R. Wood. 'Eskalt near Whitehaven.'  
 1219 *C. divisa*, Huds.  
 63 York south-west. Parsons. 'Waste ground by Ouse, Goole.'  
 1223 *C. teretiusecula*, Good.  
 11 Hants s. Buckell and J. Groves. 'Marshy field, Mottisfont.'  
 1224 *C. paniculata*, L.  
 54 Lincoln north. Lees. 'Woodhill, Rasen.'  
 1228 *C. vulgaris*, Fries.  
 100 Clyde-isles. Bailey. 'Var. *uliginosa*, Corrie, Arran.'  
 1232 *C. acuta*, L.  
 32 Northampton. Druce. 'Swampy field, Harleston.'  
 1234 *C. eu-flava*, Syme.  
 32 Northampton. Druce.  
 1234 *C. Oederi*, Ehrh.  
 53 Lincoln south. Lees and Fowler. 'Drain on the west bank of G. N. Railway, 2 miles N. of Lincoln.'  
 63 York south-west. A. Carr.  
 1236 *C. pallescens*, L.  
 53 Lincoln south. Fowler. 'Bourn Wood.'  
 1237 *C. fulva*, Auct. (Hornschuchiana, Hoppe.)  
 32 Northampton. Druce. 'Foxhall bog.'  
 1238 *C. distans*, L.  
 63 York south-west. G. E. Smith. 'Wet, boggy place, Maltby.'  
 1240 *C. lævigata*, Sm.  
 57 Derby. Whitehead. 'Swampy wood, Charlesworth.'  
 1241 *C. panicea*, L.  
 32 Northampton. Druce. 'Common.' Simply overlooked.  
 53 Lincoln south. Fowler. 'S. Kyme.'  
 1243 *C. capillaris*, L.  
 64 York mid-west. West. 'Gordale Scar.'!  
 1247 *C. sylvatica*, Huds.  
 53 Linc. south. Fowler and Lees. 'Bourn,' 'Skellingthorpe, &c.'

- 1249 *C. Pseudo-Cyperus*, L.  
 32 Northampton. Druce. 'Nene bank, Delapre meadows.'  
 53 Linc. s. Fowler and Lees. 'Fosdyke drains above Lincoln.  
 1255 *C. digitata*, L.  
 57 Derby. Rogers and Percival. Recent confirmation.  
 1256 *C. filiformis*, L.  
 103 Ebudes mid. Ross. 'Loch Pelek, Mull.'  
 1258 *C. ampullacea*, Good.  
 35 Monmouth. Ley. 'Trelleck bog.'  
 1259 *C. vesicaria*, L.  
 53 Lincoln south. Lees and Fowler. 'Fosdyke, south side.'  
 103 Ebudes mid. Ross. *Ampullacea-vesicaria* intermediates.  
 1260 *C. paludosa*, Good.  
 53 Lincoln south. Fowler and Lees. Fosdyke ditches.  
 1261 *C. riparia*, Curtis.  
 53 Lincoln south. Fowler and Lees. 'S. Kyme,' 'Fosdyke.'  
 1270 *Anthoxanthum Puelii*, Lec. et. Lam.  
 37 Worc.\* Thompson & Matthews. Hazley. } A Casual becom-  
 39 Stafford. Fraser. Whittington Common. } ing a Colonist?  
 1287 *Milium effusum*, L.  
 54 Lincoln north. F. A. Lees. 'Legsby Wood.'  
 1296 *Arundo Epigejos*, L.  
 14 Sussex east. Roper. 'Rail-side, Polegate to Folkingham.'  
 1800 *Aira cæspitosa*, L.  
 8 Wilts south. Rogers. 'Stapleford.'  
 1802 *A. uliginosa*, Weihe.  
 11 Hants south. Groves and Marquand. 'Bog, Brockenhurst.'  
 1803 *A. caryophyllea*, L.  
 32 Northampton. Druce. 'Harleston Firs.'  
 1804 *A. præcox*, L.  
 4 Devon north. Flower. Rogers. 'Capstone Hill' and  
 'Lee,' near Ilfracombe.  
 32 Northampton. Druce. 'Cosgrove quarries.'  
 53 Lincoln south. F. A. Lees. 'Lane, Norton Wood.'  
 54 Lincoln north. Fowler and Lees. 'Tower-moor.' 'Rasen.'  
 1809 *Avena pratensis*, L.  
 32 Northampton. Druce. 'Cosgrove quarries.'  
 1810 *A. pubescens*, L.  
 14 Sussex east. Roper. 'Jevington Holt, on the Downs.'  
 1814 *Holcus mollis*, L.  
 4 Devon north. Rogers. 'Ilfracombe and Watermouth.'  
 53 Lincoln south. Fowler. 'Bourn Wood.'  
 1815 *Triodia decumbens*, Beauv.  
 32 Northampton. Druce. 'Foxhall bog.'  
 1817 *Melica uniflora*, Retz.  
 53 Lincoln south. Fowler. 'Bourn Wood.'

- 1819 *Molinia cærulea*, Mönch.  
 32 Northampton. Druce. 'Wittering marsh.'  
 1822 *Glyceria plicata*, Fr.  
 64 York mid-west. F. A. Lees. 'Drying-up plash, Askham bog.'  
 1823 *Scierochloa maritima*, Lindl.  
 53 Lincoln south. Fowler. 'Seashore of Wash.'  
 1824 *S. distans*, Bab.  
 53 Lincoln south. Fowler. 'Shore, Fosdyke Wash.'  
 1830 *Poa alpina*, L.  
 64 York mid-west. Lees and W. West. Whernside, on the  
 N.E. shoulder, at about 1900 ft. elevation.  
 1833 *P. compressa*, L.  
 54 Lincoln north. F. A. Lees. 'Turf-wall top, Walesby village.'  
 1841 *Festuca sciuroides*, Roth.  
 32 Northampton. Druce. 'Daston pits.'  
 54 Lincoln north. F. A. Lees. 'Wood-hill, on Legsby Road.'  
 1842 *F. ovina*, L.  
 32 Northampton. Druce. 'Barnack Heath.'  
 1853 *Bromus erectus*, Huds.  
 58 Cheshire.\* Whitehead. 'By canal, Big-wood.' A Casual.  
 1861 *Triticum pungens*, Pers.  
 53 Lincoln south. Fowler. 'Seashore near Fosdyke.'  
 1861 *T. acutum*, DC.  
 53 Lincoln south. Fowler. 'Shore of Fosdyke Wash.'  
 1862 *T. junceum*, Bab.  
 3 Devon south. Rogers. 'Exmouth sands.'  
 4 Devon north. Rogers. 'Woollacombe sands.'  
 18 Essex south. Crespigny. To indicate segregate.  
 49 Carnarvon. Druce. To indicate segregate.  
 53 Lincoln south. Fowler. 'Shore of Fosdyke Wash.'  
 1869 *Hordeum maritimum*, With.  
 53 Lincoln south. Fowler. 'Sea-bank near Fosdyke.'  
 1871 *Lepturus filiformis*, Trin.  
 53 Lincoln south. Fowler. 'Seashore of Wash.'  
 63 York s.w. † W. West. 'Ouse-bank, Goole': a Casual?

#### CRYPTOGAMIA.

- 1873 *Woodsia ilvensis*, R. Br.  
 48 Merioneth. Jas. Backhouse. 'Precipices of Cader Idris.'  
 1874 *Polypodium vulgare*, L.  
 53 Lincoln south. Fowler and Lees. 'Bank of Norton Wood.'  
 1885 *Lastrea Thelypteris*, Presl.  
 54 Lincoln north. Lees and Fowler. 'Boggy wood, Nettleton  
 Glen,' in plenty, amongst *Carex paniculata*.  
 1890 *L. spinulosa*, Presl.  
 53 Lincoln south. Fowler. 'Boothby Wood.'

- 1894 *Athyrium Filix-femina*, Roth.  
 32 Northampton. Druce. 'Delapre Woods.'  
 1898 *Asplenium lanceolatum*, Huds.  
 63 Yorks.w.† Reginald Gatty. 'Agden Clough, Upper Bradfield'  
 1401 *A. septentrionale*, Hull.  
 3 Devon south. Roberts and Rogers.  
 48 Merioneth. Pugh and Horace Pearce. 'Cader-Idris.'  
 1406 *Trichomanes radicans*, Sw.  
 48 Merioneth. Jas. Backhouse. 'Native.'  
 1410 *Botrychium Lunaria*, Sw.  
 44 Carmarthen. Jones. 'Upland, Llangunnoch.'  
 1411 *Ophioglossum vulgatum*, L.  
 53 Lincoln south. Fowler. 'Meadow, S. Kyme.'  
 1416 *Lycopodium Selago*, L.  
 11 Hants south. H. and J. Groves.  
 1423 *Equisetum sylvaticum*, L.  
 54 Lincoln north. F. A. Lees. 'Glen above Tealby.'  
 1 *Chara flexilis*, L.  
 64 York mid-west. F. A. Lees. 'Stream, Seven Arches, Adel.'  
 2 *C. capitata*, A. Br.  
 64 York mid-west. F. A. Lees. 'Malham Tarn bog.'  
 66 Durham. F. A. Lees. W. Todd. 'Boggy pool, Widdy Bank Fell.'  
 2 *C. syncarpa*, Thuil.  
 11 Hants south. J. Groves. 'Stream near Lyndhurst.'  
 19 Essex north. Varenne and Groves. 'Pond near Kelvedon.'  
 3 *C. translucens*, Pers.  
 11 Hants south. J. Groves. 'Stream near Brockenhurst.'  
 17 Surrey. J. Groves. 'Ashstead Common.'  
 64 York m. w. F. A. Lees. 'Drain near Sherburn Ry. Station.'  
 7 *C. glomerata*, Desv.  
 15 Kent east. A. Bennett and J. Groves. 'Pond, Folkestone Warren.'  
 21 Middlesex. H. Groves. 'Staines Moor.'  
 61 York south-east. H. F. Parsons. 'Ditch by the Humber between Broomfleet and Brough.'  
 10 *C. crinita*, Walk.  
 41 Glam. E. A. Lees. 'Salt-stell between Cardiff and Penarth.'  
 11 *C. foetida*, A. Br.  
 16 Kent west. J. Groves. 'Bromley.'  
 21 Middlesex. H. Groves. 'Finchley Common.'  
 55 Leicester. F. T. Mott. 'Pond at Beaumont Leys.'  
 61 York south-east. Parsons. 'Pool, Staddlethorpe.'  
 63 York south-west. A Carr. 'Pools, Lindrick Common.'  
 64 York mid-west. F. A. Lees. 'Sherburn brick-ponds.'  
 32 *Mitella Druce*.

12 *C. hispida*, L.

- 11 Hants south. H. Groves. 'Ashley Common.'  
 16 Kent west. J. Groves. 'Pond near Bromley.'  
 26 Suffolk west. Church. Babington. 'Barton Mere, Pakenham.'  
 32 Northampton. Druce. 'Abington Pond.'  
 64 York mid-west. F. A. Lees. 'Malham Tarn.'

14 *C. aspera*, Willd.

- 63 York south-west. H. F. Parsons. 'Pond, Hook Grange.'

15 *C. fragilis*, Desv.

- 11 Hants south. J. Groves. 'Lyndhurst.'  
 17 Surrey. H. and J. Groves. 'Tooting Common.'  
 19 Essex north. Varenne and Groves. 'Pond near Kelvedon.'  
 54 Lincoln north. Lees. 'Clay-pool, Linwood.'  
 63 York south-west. Lees. 'The Lake, Askern.'  
 64 York mid-west. Lees. 'Malham Tarn.'

80. Northampton - Northampton

*Chara flexilis*

63. York South-west. H. F. Parsons

*C. supracampa* (Key.)

63. York South-west. H. F. Parsons 1878  
 92. Aberdeen south. Druce.

*C. hispida*

80. Northampton - Northampton

II.

GENERAL LOCALITY LIST.

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**Thalictrum flexuosum**, Bernh. Four to five feet in height, in an exposed situation on north-eastern shore of Bala Lake, Merioneth. *C. Bailey*. Is this the *T. minus* of old *Botanists' Guide* for which the same locality is given?—By roadside near Monk Fryston, Mid. W. Yorks, on Permian strata. *W. N. Cheesman*.—By the Tees-side, Lonton, N. W. Yorks. *F. A. Lees*.

**T. flavum**, L. Swamp near Lodge in Broughton Wood; drain by railway near Trent Bridge, Torksey; and ditches on S.W. side of Fossdyke opposite 'Pyewipe' Inn, Lincolnshire. *W. Fowler* and *F. A. Lees*.

**Ranunculus elongatus**, Hiern, Mon. Tweed near Sprouston, Roxburgh. *A. Brotherston*.—An intermediate form nearest *peltatus* as to floating-leaf outline, but which, if Hiern's key be strictly followed, is *elongatus* by virtue of slender much-drawn-out peduncles.

**R. submersus**, Hiern (*R. heterophyllus* without floating leaves). Rapid brook, Asham Wood, Mendip Hills, N. Somerset. *H. F. Parsons*.—*R. 'submersus'*, Gayton Ponds, Northampton, May, 1877, *G. C. Druce*, is merely immature *floribundus*, opening its first flower, and would doubtless produce floating leaves later on.

**R. Godronii**, Gren. Ditch by the Don between Sprotbro' and Doncaster. *A. Carr*.—Prof. Babington saw this with some other of Carr's plants sent to him by me for his opinion.—Ditches at Askham Bog near York. *G. Webster*.—Both these are clearly *trichophyllus* developing floating leaves, some much and radiately divided; and all with adpressed hairs on the underside; exactly what is to be expected of a form whose submerged capillary leaves are generally more conspicuously pilose than any other small-flowered one. *F. A. L.*

**R. Drouetii**, Schultz. Ditch near canal at Kiveton, S.W. Yorks. *A. Carr*.

**R. trichophyllus**, Chaix. Pond near Hampstead Heath, in a field to right of the lane leading to Fortune Green. *E. de Crespigny*. This is typical.

**R. Baudotii**, Godr. Ponds near Skegness, North Lincoln. *W. Fowler*.

**R. Lenormandi**, Schultz, var. Wet ground by streamlet, Norland Moor near N. Dean, S.W. Yorkshire, Sept. 1877. *H. F. Parsons*.—A small, curious form, with leaves mostly opposite [Dr. Boswell in *E. B.* vol. i. 1863, remarks upon never having seen them so arranged in this species] and in facies exactly simulating *tripartitus*, the leaves being all deeply trifid with wedge-shaped tri- or quadri-fid lobes, utterly unlike the larger and blunter-lobed subpeltate leaves of ordinary Yorkshire *Lenormandi*. As I have seen the type, however, on the same moor, blooming in June, I have no doubt Dr. Parsons' plant is a state of it, although the specimen had flowered and shed its carpels apparently before gathered, and I am unable to tell whether the withered receptacles which remain were hispid or glabrous.

**R. Lingua**, L. Wet hedge and ditch a field's length west of the G.N. Railway, half a mile out of Lincoln city towards Skelthorpe. *W. Fowler* and *F. A. Lees*.

**R. hirsutus**, L. Roadside at Thornton-le-moor near Kelsey, N. Lincoln, growing with *Coronopus Ruellii*. Not a new county record but quite a rare plant in Lincolnshire, as also in West Yorkshire, away from the banks of tidal rivers, &c. I did not know it at all for the West Riding of York until Dr. Parsons shewed it me in the station which follows:—Goole Fields, Hook road by Ouse, Goole, and near Thorne, S.W. Yorks. *H. F. Parsons*. To Yorkshire botanists quite a notable addition to the flora, so much rarer a plant is it than in the south.

**Papaver Argemone**, var. *GLABRUM*, Koch. Sandy cornfields on the Greensand east of Rasen, more abundant than the type on some lands, and both commoner than *P. Rhæas*. *F. A. Lees*. In this variety the heads are almost devoid of the usual bristles: the young half-grown capsules generally have a *very few* bristles crowning them, but these seem to drop off later, so that in many cases the mature capsule becomes as naked as that of *Lamottei*. The upper part of the peduncles are also less hairy than in the type, but nevertheless have adpressed hairs similar to *Lamottei*; and the stem-leaves, although far from glabrous, are of a greyer green and somewhat glaucous beneath.

**Sinapis nigra**, L. Field and ditch banks in the fen districts. *W. Fowler*. Not common inland in N. Lincoln.

**Barbarea stricta**, Andr. On the banks of the Ancholme, near Brigg. *W. Fowler* and *F. A. Lees*. Quite the plant that in West York is becoming so common, yet spreads only along the lines of water-traffic. Probably introduced by barges, &c., from the Ouse, or Aire, or York canals, itself to those, I believe, originally alien. I have never met with it by the smaller stream-

sides, uninvaded by boats, in the rural districts. For these and other reasons I regard it as possibly non-indigenous in England, although now, not alone in Yorkshire, it has taken as firm a hold of the soil as any Native could possibly do. The petals of this species, by-the-bye, are of a fuller orange in colour than those of *B. eu-vulgaris*, not 'paler yellow' as Dr. Syme remarks in his E. B. description, until they fade when, truly, they blanch somewhat. *F. A. Lees.*

*Cardamine impatiens*, L. Dry bank in lane, Trusham, S. Devon. *W. M. Rogers.*—Wall-top, S. Elm, N. Somerset. *H. F. Parsons.*

*Nasturtium amphibium*, Br. Foss-dyke bank between Saxilby and Drinsey Nook and Drain, near Haxey Station, N. Lincoln. *W. Fowler.*—Swamp by R. Crimble, Ribston, M.W. York. *J. S. Wesley.*

*Cochlearia danica*, L. Rocks at Gower and the Worm's Head, Glamorgan. *T. B. Flower.*

*Thlaspi arvense*, L. Railway banks, Market Harboro', just in Leicestershire. *G. C. Druce.*

*Lepidium* '*Smithii*, Hook.' Railway bank between Brampton and Kingsthorpe, Northampton. *G. C. Druce.* Not quite the typical plant, as remarked by the sender, but a curious intermediate form which I at first (from the locality whence gathered) thought might be correlated to some continental form. It resembles *Smithii* sufficiently, in the largish flowers with long style and strongly-toothed stem leaves, to rank as that species; but it differs in the anthers being yellow as in *campestre*, and recedes in the direction of that species in other minor points. The scaly papillæ on the silicle so characteristic of *campestre* are, however, absent.

*Teesdalia nudicaulis*, Br. On Legsby Warren, and turf banks by foot-road from Rasen to Tealby. *F. A. Lees.*

*Viola Reichenbachiana*, Bor. Wold Wood, Claxby, and Elinor Wood, Linwood, N. Lincoln. *F. A. Lees.*

*V. eu-canina*, Bab. Morton Bog, near Hambleton Hough, Mid-west York. *F. A. Lees.* A quite rare plant in West Yorkshire, only once previously seen within its limits by myself, and then only a single tuft amongst Furze in Askham Bog.—Balta Sound, Unst. *R. M. Middleton.*

*V. lactea*, Sm. Rawcliffe 'Rabbit Hills,' S.W. York. *H. F. Parsons.* Mr. H. C. Watson saw the specimen, and inclined to give it the above name. I do not know the *intermedia* variety, but for my own part thought Dr. Parsons' plant receded in the direction of *flavicornis*, Sm. *V. lactea*, however, stands recorded in Baines' Flora for Thorne Moor, on Mr. James Blackhouse's authority—the moor being not more than four or five miles distant



from Rawcliffe; and although the old record has never been confirmed, I have little doubt the two refer to the same species, whatever name future investigation shall decide it should bear. With us in the North these Violets occur at best very sparingly, often only singly, on a class of ground rapidly becoming enclosed and 'improved', and can rarely be found a second year in the same spot. Dr. Parsons has, I believe, failed to again find the Rawcliffe plant. *F. A. Lees.*

**V. Curtisii**, Forst. On the sand-hills at Kidwelly Carmarthen. *H. L. Jones.*—St. Martin's, Scilly Isles, *R. V. Tellam.*

**Helianthemum canum**, Dunal. Malham Cove, Mid-west York, in crevices of ledges of scar limestone rock, at about 1000 to 1200 ft., almost inaccessible, 1876. Reported in 1862 in Miall and Carrington's Flora (and see *Naturalist*, 1st series, vol i., p. 212, 1864) for the Cove by the first-named gentleman, who seems to have been the discoverer of it there, for I can find no earlier notice. I doubted it somewhat, until I could verify the species in the station myself, although I had seen a specimen localised from 'the Cove' in the Herbarium of Mr. William Kirkby of Leeds; and I failed to find it in 1869, 1870, and 1871. *F. A. Lees.*

**Drosera intermedia**, Hayne. Linwood Warren, N. Lincoln, in small quantity, and, like *Hypericum elodes* and *Rhynchospora alba*, on the same small area of sphagnous bog, apparently dying out. *F. A. Lees.*

**Silene puberula**, Jord. Collyweston quarries, Northampton. *G. C. Druce.*

**S. noctiflora**, L. Corn-field between Whitton and Alkborough, N. Lincoln. *H. F. Parsons.*—At Rasen. *F. A. Lees.*

**Moenchia erecta**, Sm. Harleston Firs, Northampton: very rare. *G. C. Druce.*

**Cerastium arvense**, L. Risby Heath, W. Suffolk, *Churchill Babington.* Banks of roads and fields in many places to the east of Rasen, on the Greensand, N. Lincoln. *F. A. Lees.*—Very fine on hills near Church Stretton, Salop, with *Teesdalia* abundant. *Margaret Huish.*

**Stellaria aquatica**, Scop. Ancholme Banks, Brigg, N. Lincoln; and climbing a wet hedge-bank, four feet in height, in the station for *Ran. Lingua* and *Sium latifolium*, half a mile N.W. of Lincoln. *W. Fowler.*

**S. Borœana**, Jord. Denton, Northampton. *G. C. Druce.*—Frodingham Common, N. Lincoln. *H. F. Parsons.*

**Arenaria tenuifolia**, L. On the railway line, between the sleepers, near Wetherby Station, Mid-west York. *J. S. Wesley.*—Platform, Swinderby Station, S. Lincoln. *W. Fowler.*—Risby village and heath, W. Suffolk. *Churchill Babington.*

**Sagina ciliata**, Fr. Wall, Littleington. A more decided East Sussex station than Mr. Warren's at Brighton, and unrecorded for E. Cuckmere district in Hemsley's *Outline Flora*. *F. C. S. Roper*.

**Spergularia rupestris**, Lebel. Rocks by sea-shore at Kirkandrew, Kirkcudbright: in some quantity. *A. Craig Christie*.

**S. neglecta**, Syme. Sea-shore of Wash, that part in S. Lincoln. *W. Fowler*.

**Hypericum perforatum**, L. *a. genuina*, E. B. Pengwern, near Llangollen, Denbigh. *C. Bailey*.—*Var. angustifolium*, Syme. Loxley valley and by the Don, near Wadsley Bridge, Sheffield. *A. Carr*.

**H. dubium**, Leers. Road-bank near Legsby; and lane near second Railway Gatehouse, N. of Rasen. *F. A. Lees*. Commoner in this district of N. Lincoln than I have seen it elsewhere.—Rivelin Valley, and by Don, near Parkgate, near Sheffield. *A. Carr*. Confirmation of an old station.

**H. linariifolium**, Vahl. Ravine in Christow parish, and on rocks above R. Teign, Trusham, S. Devon. *W. M. Rogers*.

**H. montanum**, L. Wentbridge, S.W. York, on Permian strata. *H. F. Parsons*.—Gordale, Mid-west York, in a precipitous place, on Scar Limestone, at over 1000 feet. *W. West*.

**H. elodes**, L. Linwood Warren, sparingly, with *Sphagnum rigidum* and *papillosum*, N. Lincoln. *F. A. Lees*.—Rabbit-hills, Rawcliffe, *W. West*.—Gulliver's Swamp, near Greenfield. *J. Whitehead*.—Boggy place in Rivelin Valley, above Sheffield. *A. Carr*. The three last stations all in S.W. York, for which vice-county it was not known at all when *Topographical Botany* was published.

**Geranium pyrenaicum**, L. Frequent in Llangollen neighbourhood, near Valle Crucis Abbey, Denbigh. *C. Bailey*.—Hedge-bank, Osgodby Village, N. Lincoln. *F. A. Lees*. Only a Denizen in last locality.

**G. columbinum**, L. Dry-bank, Wentbridge, S.W. York. *H. F. Parsons*.

**Rhamnus catharticus**, L. Border of Broughton Wood, near 'the Reed's' farm, N. Lincoln. *W. Fowler*. In many localities about Market Rasen. *F. A. L.*

**R. Frangula**, L. Wet hedge, near Tintern, Monmouthshire, *A. Ley*.—Legsby Wood, and in some plenty by, and in, a firwood bordering the railway, a mile and a half north of Rasen station, N. Lincoln. *F. A. Lees*.

**Ulex nanus**, Forst. Very abundant on the heaths between Brockenhurst and Sway; also on Beaulieu plain, S. Hants. *F. D. Marquand*.

*Genista anglica*, L. Linwood Warren, and heathy lanes north of Rasen, N. Lincoln: common. *F. A. Lees*.

*Ononis reclinata*, L. Near Daddy Hole, Torquay, S. Devon. *J. H. Rossall*. I have seen doubts expressed as to the indigenuity of this species in Devon, but as to this the contributor makes no remark. Is there any reason why it should be less a possible native of the Peninsular Provinces than *Trifolium strictum* or *Bocconi*? Mr. Rossall's specimen has branches from two to four inches in height. I received a smaller one from Mr. E. M. Holmes about 1870, from Berry Head. I fancy, but I write this from memory, not having access to my general herbarium.

*Trifolium ornithopodioides*, DC. Valle, Guernsey. *G. C. Druce*.

*T. Molinerii*, Balb. Islet in Portelet Bay, Jersey, with *Bromus rigidus*, Roth. *G. C. Druce*.

*T. scabrum*, L. Risby heath, West Suffolk. *Church. Babington*.

*T. arvense*, L. Sandy ground, Spofforth, Mid-West York. On millstone-grit strata. *J. S. Wesley*. On Greensand rocks by roadside at Tealby, N. Lincoln. *F. A. Lees*.

*T. hybridum*, L. Farthoe, Northampton. Getting well established in this county. *G. C. Druce*.—Fields at Swinderby, S. Lincoln. *F. A. Lees*.

*Lotus tenuis*, Kit. Sandy ground, Humberstone, N. Lincoln; and damp bed of a dried-up drain immediately west of the G.N. Railway-bank, two miles N.W. of Lincoln towards Saxilby. *W. Fowler*.—The plants in these stations are not quite the same as that sent in 1876 by Mr. Foggitt from Harrogate, but are, I believe, the true plant as described and figured in E. B. The habit is decumbent and straggling, the calyx hairier, the leaflets narrower, acuter, and hairier, with the keel less deep because not so sharply bent, than in the Harrogate examples. Professor Babington has doubts about Mr. Foggitt's plant, the habit of that being suberect, the leaves almost too broad to be stylable elliptical-linear-acute, and looking as if they were succulent when growing: the calyx, too, is nearly glabrous, but the wings and keel are, nevertheless, much more like those of *tenuis* than *corniculatus*, as the parts are figured in E. B. As respects the Harrogate form, my observations in the north of England go well with Mr. Briggs's suspicion that it may be an alien sown with imported seed (and I think the presence of the other alien, *Crepis nicaensis*, in the same Harrogate 'pasture,' lends additional probability to the supposition), for I possess specimens precisely similar, picked on Hartlepool ballast-hills, and others from a Saintfoin field. These have the facies of a spindly *corniculatus*;

but I have tried unsuccessfully to match them with types or descriptions of any Continental form. *F. A. Lees.*

*Astragalus hypoglottis*, L. Linton Common, Wetherby, M. W. York. *J. S. Wesley.*

*A. glycyphyllus*, L. Plentiful in the lane leading up from Castlethorpe Bridge, near Brigg, to Broughton Village. *W. Fowler.*

*Ornithopus perpusillus*, L. Baildon Green, on grit-rock, Mid-west York. *W. West.*

*Spiræa Filipendula*, L. Risby heath, W. Suffolk. Not nearly so common in county as any one would suppose from the 'Flora.' *Ch. Babington.*—Grassy lane, on Kimmeridge Clay, between Middle-Rasen and Lissington, near the railway bridge, N. Lincoln. *F. A. L.*

*Potentilla procumbens*, E. B. Lundy Island, N. Devon. *W. M. Rogers.* An untypical intermediate, retaining the corymbose cyme and small tetramerous flowers of ordinary *Tormentil*, yet since its stem-leaves are all stalked and ternate, with broad obovate leaflets, it is as impossible to deny it the varietal name as it is to give it that of *T. sylvestris*, Neck.

*Rubus rhamnifolius*, W. & N. Sutton Park, Warwick: rather local in the county; var. *cordifolius*, Coleshill Heath, near Marston Green. *J. E. Bagnall.*—Lane near Leggsby Wood, N. Lincoln. Not so frequent as *affinis*. *F. A. Lees.*

*R. ramosus*, Blox. Minworth, near Coleshill, Warwick. Named by Professor Babington, confirmed by Rev. A. Bloxam. *J. E. Bagnall.*—I may here remark that all the Rubi from Carr for Sheffield district, and myself from others, entered in the New Co. Records, have been seen by Professor Babington. In this difficult genus I record no name on my own responsibility. *F. A. Lees.*

*R. thyrsoideus*, Wimm. Hollow Meadows, at head of Rivelin valley above Sheffield. Alt. near 1000 feet. *Amos Carr.*

*R. Salteri*, Bab. Arley Wood, near Nuneaton, Warwick. Rare in co. An identical plant from a coppice near Solihull. *J. E. Bagnall.*—Hedge between Wigglesworth and Tosside Chapel, M. W. York. *F. A. Lees.*—Var. *calvatus*, Blox. Sandy lane between Osgodby and Middle Rasen. *F. A. Lees.*

*R. carpiniifolius*, W. and N. Heathlands, Sutton Park, Warwick. The foregoing name is Professor Babington's: Mr. J. G. Baker considers it *R. rhamnifolius*, var. *microphyllus*. *J. E. Bagnall.* Very untypical; but going by the not-narrow panicle, leaves hardly felted beneath, and the angular bloomy-red stem with stout, curved, declining, yellow-tipped prickles, I should regard its affinity with the species to which Mr. Baker refers it as clearly revealed.—Wooded lane parallel with rail, on

firwood border, one and a half miles N. of Rasen, N. Lincoln. The plant from this station named for me, without any expressed doubt, by Professor Babington, has prickles on old stem and panicle of a very different character, viz., slender, straight, and conical, although somewhat declining. *F. A. L.*

**R. macrophyllus**, Weihe. Shelly, near Solihull, Warwick. The type. Local in the county: and *var. AMPLIFICATUS*, Lees. Whewporridge lane, near Solihull. An abundant plant in the northern part of the county. *J. E. Bagnall.*

**R. mucronulatus**, Bor. The type. Nova Scotia warren, near Osgodby, N. Lincoln; and lane near the Park-gates, Meantwood, Mid-West York. *F. A. Lees.*—*Var. FESTIVUS*, Mull et Wirtgen, Wharnccliffe Wood, and Endcliffe Wood, near Sheffield, S.W. York. *A. Carr.* Professor Babington appends a note—"I consider these are the *R. festivus* (Mull & Wirtg.), but not really distinguishable from *R. mucronulatus* (Bor.), which is an older name. The thinner and more coarsely and doubly-dentate leaves seem to me the only tangible differences." The Hon. J. L. Warren remarks on a slip accompanying the Wharnccliffe specimen—the one Professor Babington characterises (*Journ. Bot.* April, 1878, p. 116) as having "minutely and doubly-dentate leaves,"—"This form is prevalent in Cheshire." Professor Babington has called attention to the fact that the two specimens, both classed *festivus* by Mr. Warren, differ from one another. They do so in glandulosity as well as in leaf-shape and serration, for whilst the neat and finely-serrate leaved one has numerous gland-tipped setæ and unequal acicles on the panicle and such barren stem (not a very mature one) as there is, the Endcliffe Wood example has few glands but more hairs: these differences inclining me to regard Mr. Warren's *festivus* not so much a name for a particular form as a convenient term for a group of forms made up of states of *mucronulatus*, divergent from the type in the direction of *pallidus* or *Guntheri*; and, if correct in this view, the discrepancies in character between the Yorkshire plants named *festivus* and Wirtgen's description of it as a species seem to be accounted for—in part at least. *F. A. Lees.*

**R. radula**, *Var. LEIGHTONI*, Lees. Nut Hurst, Sutton Park, Warwick. More local than type; and *var. microphylla*, Baker, an abundant form on Heath lands, near Sutton and Baxterley. *J. E. Bagnall.*

**R. Koehleri**, *var. INFESTUS*, Bab. Merivale near Atherston, Warwick. *J. E. Bagnall.*

**R. diversifolius**, Lindl. Rivelin valley, near Flour Mill, above Sheffield, S.W. Yorks. *A. Carr.*

**R. atro-rubens**, Wirtg. Cliff Rocher, Loxley Valley; and

Wharnccliffe Wood, near Sheffield, S.W. Yorks. *A. Carr.* Professor Babington remarks—"I think these will prove to be the *foliosus* of Weihe."

*R. glandulosus*, var. *DENTATUS*, Blox. Wharnccliffe Wood, Sheffield, S.W. Yorks. *A. Carr.*

*R. corylifolius*, var. *SPINOSISSIMUS*, Müll. Monks-path, near Shirley, Warwick. So named by the Rev. A. Bloxam: abundant here, but not found elsewhere in the co. *J. E. Bagnall.* Clearly a corylifolian form, but so beset with unequal prickles and glands, that I am surprised Professor Babington does not mention it as a variety, unless he removes it altogether from the *Cæsii* section.

*R. tomentosa*, Sm. Hedge of accommodation lane between Middle Rasen and Buslingthorpe, N. Lincoln. *F. A. Lees.*—*Var. sylvestris*, Woods. Green Lane, Harborough Magna, near Rugby. *A. Bloxam.*

*R. Reuteri*, Godet. Lane from Solihull to Shirley, Warwick. *J. E. Bagnall.*

*R. systyla*, Bast. Joyden's Wood, Bexley, W. Kent. *J. Groves.*—Brushwood above the quarries between Conisboro' and Sprotboro', S.W. Yorks. One bush only seen. *F. A. Lees.*

*R. coriifolia*, Fries. Rothersthorpe, Northampton. *G. C. Druce.*

*R. Borreri*, Woods. Baulk Lane, Berkswell, Warwick. *J. E. Bagnall.*

*Cratægus oxyacanthoides*, Auct. In many stations (chiefly road-side hedges) about Owersby, Walesby, Kirkby-cum-Kingerby, Legsby and Claxby Woods, &c., N. Lincoln, both as type and with crossed characters. The type certainly flowers earliest, but some two-styled forms, evidently hybrids, may be found in bloom as late as any. *F. A. Lees.*

*Pyrus torminalis*, Ehrh. Hedge by road, Bonnyleigh Hill, N. Somerset. *H. F. Parsons.*

*Peplis Portula*, L. Bala Lake margin, Merioneth. *C. Bailey.*

*Cotyledon Umbilicus*, L. Walls of the castle at Tattershall, N. Lincoln. Plentiful and well established, although not truly native. *W. Fowler.*—Old walls, Broadwater Village, W. Sussex. *C. A. Oakeshott.*

*Saxifraga granulata*, L. Remarkably abundant in lanes and meadows all around Rasen, N. Lincoln. On the Greensand, flowering a week later than *Ran. acris*. *F. A. Lees.*—Moist bank, Welton, S.E. York. *H. F. Parsons.*

*Eryngium maritimum*, L. Along the shore eastward of Lymington, S. Hants. *E. D. Marquand.*

*Sison Amomum*, L. Cockfield, W. Suffolk. *Churchill*

*Babington*.—Hedge-banks near Faldingworth, and also near Cadney, and in Lincoln Lane, Middle Rasen, N. Lincoln. *W. Fowler* and *F. A. Lees*.—West Cowick, S.W. York. *H. F. Parsons*.

*Pimpinella magna*, L. In lanes and hedges on the south and east of Rasen (on the Greensand), N. Lincoln: comparatively rare on the Clays. *F. A. Lees*.

*Sium latifolium*, L. Pond at Bonnybridge, Stirlingshire, *A. Craig-Christie*.—Sedge Lane, Drax, Mid-west York. *H. F. Parsons*.—About South Kyme and Boston. *W. Fowler*.—Foss-dyke and drains parallel, N.W. of Lincoln towards Saxilby, in both N. and S. Lincoln. *F. A. Lees*.

*Ligusticum scoticum*, L. Bunnessan and Ardtun, Isle of Mull. *G. Ross*.

*Saussurea alpina*, L. High ledges of Cader Idris and Aran Mowddy range, Merioneth; forming great sheets, but none in flower. *James Backhouse*.

*Torilis infesta*, Spreng. Boro' Hill, Daventry, Northampton. Generally distributed. *G. C. Druce*.—This species is little more than a corn-field casual in West Yorkshire, occurring so rarely that during many years' experience of my native Riding I never met with it myself. *F. A. Lees*.

*Carduus acaulis*, L. About Braceboro', Ponton, and Corby, on the oolites of S. Lincoln. *W. Fowler*.—On Lindrick Common, west end, near Kiveton, S.W. York. On magnesian limestone. *A. Carr*.

*C. pratensis*, Huds. Firwood ditch, Walesby Road, near Rasen; and on Linwood Warren with *C. palustris* and *arvensis*, and hybridising with it. *F. A. Lees*.—Turf-pits near Haxey, N.W. corner of Lincolnshire, one specimen with four flower-heads. *W. Fowler*.

*Asperula cynanchica*, L. Lane from Linton, near Wetherby, to Stockeld, in plenty; Mid-west York. *J. S. Wesley*.

*Serratula tinctoria*, L. Side of high-road through Broughton Wood, opposite gate of Lodge. *W. Fowler*.—Legsby Warren, amongst furze; and in field near Keeper's house, Linwood; also on ditch-bank near Moor-top Farm, Usselby. All in N. Lincoln. *F. A. Lees*.

*Tanacetum vulgare*, L. Hedge-bank of high-road between Rasen and Willingham; and by Ancholme, near Brigg, N. Lincoln. Doubtfully native in above stations, but the Rev. *W. Fowler* informs me it occurs on the Trent's sandy banks for miles. *F. A. Lees*.

*Filago minima*, Fries. L'Ancrese, Guernsey. *G. C. Druce*. Not recorded for this island in *Primitia Flora Sarnica*.

*Gnaphalium sylvaticum*, L. Wrawby Warren, and also in

sandy fields on the Greensand, near Rasen, N. Lincoln, but not common. *F. A. Lees.*

***Bidens tripartita***, L. Cockfield, W. Suffolk. *Ch. Babington.*

***Erigeron acris***, L. Walls, Wentbridge, S.W. York. *H. F. Parsons.*

***Inula Pulicaria***, L. Lyndhurst, S. Hants. *T. Walker.*

***Picris hieracioides***, L. On the Bakewell Road, Buxton, Derby. *Church. Babington.*

***Taraxacum lævigatum***, DC. Sutton Park, Warwick. *J. E. Bagnall.*

***Hieracium umbellatum***, Fr. Sandy bank between Carlton Bridge and Hirst Courtney, M.W. Yorks. *H. F. Parsons.*

***Pyrola minor***, L. In all the fir-woods around Rasen, upon the Greensand stratum, but not elsewhere so far as I have seen. N. Lincoln. Associated in one fir-wood with abundance of fine *Cetraria Islandica*. *F. A. Lees.*

***Erythraea Centaurium***, L., *var.* St. Agnes' Island, Scilly. *R. V. Tellam.* The stunted, somewhat latifoliate form, sent as '*latifolia*, Sm.', as has so often been done before.

***Chlora perfoliata***, L. Sandy field (on alluvium) near Haze station, N. Lincoln. *W. Fowler.*

***Gentiana Pneumonanthe***, L. Morton Bog, near Hambleton, on drift above New Red Sandstone, M.W. Yorks. *W. Fowler.* Really a New Co. Record for Mid-West York, since '*Kingsley sp.*'—the authority given for that vice-co. *Top. Bot.* p. 266—depended upon a mis-reference of '*Heslington Fields*,' near York to M.W. instead of south-east division.

***G. Amarella***, L. Blisworth, Northampton. *G. C. Druce.*

***Cicendia filiformis***, Reich. Near Lyndhurst, S. Hants. *T. Walker.*

***Cuscuta europæa***, L. On Hops, Bury St. Edmunds. *Ch. Babington.*—On cultivated Tares in a field at Outwood, near Lofthouse, S.W. York. *Geo. Roberts.*

***Solanum nigrum***, L. Ampton, in waste ground. Not found by any means so universally in Suffolk as the '*Flora*' intimates. *Ch. Babington.*

***Hyoscyamus niger***, L. Sandy shore between Faversham Creek and Whitstable, Kent east. *E. de Crespigny.*—Cliffs near St. Hilda's Abbey, Whitby, N.E. York. *H. F. Parsons.*—Ryther Wood, after being cut down, near Ulleskelf, Mid-West York. *W. N. Cheesman.*

***Antirrhinum Orontium***, L. Potato-fields, near Bath, N. Somerset. Very local in the neighbourhood, and often not noticed for several seasons. *T. B. Flower.*

***Orobanche rubra***, Sm. Cliffs at Bloody Bay, Isle of Mull, Mid. Eubudes; on *Thymus*. *G. Ross.*



**O. major**, L. (*O. RAPUM*, Thuill). In woods on limestone, Castell Dinas Bran, Denbigh. *C. Bailey*.—Sent as *O. elatior*, Sutt., but Mr. H. C. Watson decides it not to be so. For *O. major*, Denbigh is recorded in *Top. Bot.* on Mr. Bowman's authority. *O. elatior* has also been reported, but on "insufficient authority."—On *Ulex Gallii*, in a field near Baildon Common, M.W. Yorks. *W. West*.—Lotherton Moor, Micklefield, amongst Furze, M.W. York also. *G. Webster*.

**Verbena officinalis**, L. Bank by R. Aire, Newland, M.W. York. On warp. *H. F. Parsons*. Is it not unusual for this to occur off limestone?

**Calamintha menthifolia**, Host. On limestone, Castell Dinas Bran, Denbigh. *C. Bailey*.

**Nepeta Cataria**, L. Abundant in lane between Broughton Village and Castlethorpe Bridge, N. Lincoln; growing with *Ballota*; and elsewhere in the vice-county, undoubtedly indigenous I think. *F. A. Lees*.

**Scutellaria minor**, L. Kinloch-Seridain, Isle of Mull. *G. Ross*.—Gulliver's Swamp in Greenfield Valley, S. W. York. *F. A. Lees*.—Walkley Bank, near Sheffield, S.W. York. *A. Carr*.

**Lithospermum arvense**, L. Sandy fields about Gilstead, near Bingley, M.W. Yorks. *W. West*.

**Utricularia vulgaris**, L. Drains parallel with G.N. Railway, and Fosdyke, above Lincoln. In both N. and S. Lincolnshire. *W. Fowler* and *F. A. Lees*.

**U. neglecta**, Lehm? Kippilaw Pond, Roxburgh. *A. Brotherton*.—Probably this species, judging from its size, slenderness, and small bladders, but not determinable with certainty because flowerless. *F. A. Lees*.

**Lysimachia thyrsoflora**, L. Pilsworth, near Bury, S. Lancashire. *R. H. Alcock*. The contributor adds, *in litt.*, "I think it has been introduced, but as it quite occupies the ground, and there are hundreds of plants, it must have been many years ago."—By Canal, Winchburgh, Linlithgow. *A. Craig-Christie*.

**Sueda fruticosa**, Forsk. St. Sampson's Saltpans, Guernsey, sparingly. *G. C. Druce*. Confirmatory to an extent of a previous record, by Carré, which Professor Babington notices in his Sarnian Flora (1839), but was inclined to regard with some doubt.

**Atriplex Babingtonii**, Woods. Breydon Water, Yarmouth, E. Suffolk. *Ch. Babington*.—Muddy shores of tidal river, Kidwelly, Carmarthen. *H. L. Jones*.

**Polygonum amphibium**, L., var. TERRESTRE. Border of Langley Mill-pool, Middleton, Warwick. *J. E. Bagnall*.

**Daphne Laureola**, L. Fryston Woods, near Pontefract, S.W. Yorks. *H. F. Parsons*.

*Ceratophyllum aquaticum*, L. Ponds in Sedge Lane, Drax, Mid-W. York. *H. F. Parsons*.—In the Witham, south bank, below Lincoln. *F. A. Lees*.

*Salix ambigua*, Ehrh. Lane near fir-wood adjoining Nova Scotia Common, near Rasen, N. Lincoln. Not rare on the sandy heaths of the Greensand, since *S. aurita* and *S. repens* are in such places ubiquitous and commingled. *F. A. Lees*.

*S. repens*, L., var. ARGENTEA. Sandy ground, Frodingham, N. Lincoln, *W. Fowler*.—Lurgie Loch, Berwick. *A. Brotherston*.

*S. repens*, L., var. PROSTRATA? Moorland road-side, Fairnington, Roxburgh. *A. Brotherston*. Rev. J. E. Leefe adds a note: "May be *prostrata*, but style and stigmas peculiar. Worthy of further observation."—Linwood Warren, N. Lincoln. *F. A. Lees*.

*S. repens*, L., var. ASCENDENS. Tower Moor, Woodhall, S. Lincoln. *W. Fowler*.—Pasture near Baildon Moor, Eldwick, M.W. York. *W. West*.—Primside bog, near Yetholm, Roxburgh; and Fairnington, Roxburgh. *A. Brotherston*.

*Typha angustifolia*, L. Clay-bottomed pool by side of high-road between Rasen and Caistor, near Moor-top Farm, Usselby; and in swamp at Woodhill, near Rasen. *F. A. Lees*.

*Lemna polyrrhiza*, L. Pool, Four-lane-ends, Bleasby Moor, Linwood, N. Lincoln. *F. A. Lees*.

*Potamogeton rufescens*, Schrad. In the Leeds and Liverpool Canal, a mile below Shipley towards Apperley, M.W. York. *W. West*. This appears to be the var. *homophyllus*, of E. B.—A state induced by growth in deep water rather than a variety, I think.

*P. pusillus*, L. In the canal at Manningham, S.W. Yorks. *W. West*.

*Zannichellia eu-palustris*, Syme. Kingsthorpe Spring Northampton.—*G. C. Druce*.—In a stream between Monk Fryston and Hambleton.—*W. Fowler*.

*Alisma ranunculoides*, L. Pool in field at Woodhill, near Rasen: also in station for *Typha angustifolia* given above. N. Lincoln. *F. A. Lees*.

*Hydrocharis Morsus-ranæ*, D. Ponds in Sedge Lane, Drax, Mid-W. Yorks. *H. F. Parsons*.

*Orchis ustulata*, L. Risby Heath, W. Suffolk. *Church. Babington*.

*Habenaria chlorantha*, Bab. Hawksworth, in a meadow towards Baildon Moor, Mid-W. Yorks. *W. West*.

*Epipactis palustris*, L. Sand-hills, Kidwelly, Carmarthenshire. *H. L. Jones*.—Wet field by road between Wetherby and Spofforth, Mid-W. Yorks. *J. S. Wesley*.

*Cephalanthera ensifolia*, Rich. Wood on east side of Loch-na-Gourapin, Drumfin, Isle of Mull. *G. Ross*.

*Spiranthes autumnalis*, L. Linton Common, near Wetherby; M.W. Yorks. *J. S. Wesley*.—Lindrick Common, S.W. Yorks. *Amos Carr*.

*Allium oleraceum*, L. Field-edge, adjoining towing-path of canal between Shipley and Apperley, M.W. Yorks. *W. West*.

*Rhynchospora fusca*, R. and S. Plentiful in the bogs near the river, east of Holmsley station, S. Hants. *E. D. Marquand*.

*Scirpus setaceus*, L. Bunessan and several places near Tobermory, Mull. *G. Ross*. This, sent as *S. Savii*, is only the commoner species with solitary spikelets.

*S. Savii*, S. and M. In lane leading from Arnwood Bridge to the Church at Hordle, S. Hants. *E. D. Marquand*.

*S. sylvaticus*, L. Side of a marsh near Ribston, Mid-W. Yorks. *J. S. Wesley*.

*Eriophorum latifolium*, Hoppe. By River Aire, in a boggy field a little below Malham Village. M.W. York. *W. West*.

*Carex stellulata*, Good. "*Var. brunescens*, Fries." Catacol Bay, Isle of Arran, Clyde Isles. *C. Bailey*. This so-named variety was submitted to Mr. H. C. Watson, who appends a note on label as follows:—"In this I see only the ordinary state of *C. stellulata*. The scales are 'brownish' on all the fifteen specimens glued down in my herbarium."

*C. eu-muricata*, Syme. Road-side, Pengwern, Denbigh. *C. Bailey*.

*C. ovalis*, Good. Bray du Valle, Guernsey. Not recorded for Guernsey in *Prim. Flora Sarmica*. *G. C. Druce*.

*C. fulva*, Auct., '*var. speirostachya*.' In watery places, Sutton Park, Warwick. *J. E. Bagnall*. This seems to me simply *Hornschuchiana*, Hoppe, as Mr. R. A. Pryor has very conclusively proved the type *fulva* should be called. (See *Journ. Bot.* Dec. 1876.) *F. A. L.*

*C. xanthocarpa*, Degl. Oughton Head Moor, near Hitchin, Herts. *T. B. Blow*. I am informed that there is a specimen of this probable hybrid 'from the N. of England' amongst the Carices of G. S. Gibson: there is no example amongst my numerous specimens from Durham, Yorkshire, and Westmoreland—the accumulation of twelve years collecting; but in past years I may have passed it—very probably I think—as a form of *eu-flava*. *F. A. L.*

*C. capillaris*, L. Gordale Cove, M.W. York, at an alt. of about 1000 feet, on the left side of the gorge in ascending, above the great mass of rubble. *W. West*.—A most interesting new county record, and one extending the range of this plant, in England, fully forty miles further south.

*C. eu-flava*, Syme. Foxhall Bog, Northampton; a very local plant in the county. *G. C. Druce*.

*C. lepidocarpa*, Tausch. Harlow Hill, Harrogate, M.W. York. *T. J. Foggitt*.—St. Mary's, Scilly Islands. *R. V. Tellam*.—Of this latter, an intermediate form, Mr. H. C. Watson remarks: "*C. flava* passing into *C. lepidocarpa*, or *vice versa*; differs from the latter by its distinctly separated and stalked spikes."

*C. Oederi*, Ehrh. Sandy bed of a nearly-dry drain by the G. N. Railway line about two miles north of Lincoln towards Saxilby. Growing with *Lotus tenuis*.—By the R. Loxley, Lower Bradfield, S.W. Yorks. Alt. 900 ft. ! *A. Carr*.—Mr. Carr sent this as *lepidocarpa*, but it seemed to me quite the coast form; so I submitted it, without comment, to Prof. Babington along with other plants; and he has written on the label "*Oederi*, I think." I think so too, and, although somewhat surprised at this subspecies occurring inland at such an elevation, the fact of other sand-loving species with marine preferences occurring not far away, such as *Samolus Valerandi* at Hollow Meadows, near Redmires, inclines me to regard them as relics attesting the truth of the geological history of the district, like the *Silene* and *Armeria maritima* forty miles further north on the Craven hills.

*C. vesicaria*, L. Swampy thicket at Woodhill, a mile from Rasen, on right of road to Legsby, N. Lincoln. *F. A. L.*

*C. vesicaria-ampullacea*; *vel hybrida* P "North Ben Buy, Mull.—No. 2"; "Loch Snail, Mull.—No. 3." *George Ross*. Two (slightly varying) forms of an unnamed intermediate, bearing the same relation to *vesicaria*, as *involuta* to *ampullacea*; and, I think, meriting the distinction of a name quite as fully as the Hale Moss variety. That might be roughly characterised as an *ampullacea* with stalked, terminal male spike, and fruit in shape *vesicaria*-like: Mr. Ross's forms as a *vesicaria* in leaf, glume and facies, with stalked terminal male spike, but in sub-asperity and female spike *ampullacea*-like. By reason of crossed characters they are irreferable to either supposed parent species, yet not in accord with *involuta*—as represented by a type specimen from Mr. C. Bailey in my herbarium. That some hybridisation has been at work is, I think, probable, from none of Mr. Ross's specimens (although otherwise well developed) having nuts in the perigynia. I have received a similar intermediate to Mr. Ross's 'No. 2,' from Clova, gathered by Mr. Geo. Horn; and observed a plant also identical, and barren, to grow with *C. vesicaria* and *C. ampullacea* on the shore of the Lower Dam at Adel, near Leeds. The agreements and contrasts to be seen in Mr. Ross's two forms are as follows:—'No. 2, Ben Buy.' This agrees with *vesicaria* in aspect, in breadth and colour of leaves, and in the shape of its perigynia; but differs from it in the stem being smooth and hardly triquetrous, in the long-

stalked terminal male spike, and in the leaves being given off from the stem almost all together, the sheaths (as in *ampullacea*) reaching to about the same height and overlying one another. Stem smooth below lowest female spikelet, that being slenderer and laxer than in *vesicaria* proper, and the whole plant of smaller size. The empty perigynia are nearest those of *involuta* in size and shape, but the glumes are darker, larger, and broader, and the leaves are not folded as in that form.

'No. 3, Loch Snail.' This is the more remarkable plant of the two, looking as to its leaves,  $\frac{1}{4}$  to  $\frac{1}{3}$  inch broad, like a large stout *vesicaria*, but the stem only bluntly-angled and almost smooth, hardly rough even between the spikelets. The leaves are hardly asperous on their margins. There are three male spikes, the topmost with a stalk of two-thirds inch. The female spikelets are three, the lowest long-stalked, all long, slender, and lax-flowered. The perigynia are green, ribbed, and in size and aspect rather *ampullacea*-like, being somewhat abruptly narrowed into the beak, but not so suddenly as in *ampullacea* proper. The female glumes are those of *vesicaria*.

Mr. Ross also sends from 'Ben Buy' a plant like *ampullacea* in the fruit, with narrow folded leaves and a sessile terminal male spike; but differing from the type in the leaves being given off alternately one above the other, and in the glumes being larger, dark purple-brown, with a distinctly scarious border, as well as a pale midrib. *F. A. Lees.*

**C. Pseudo-Cyperus**, L. Amongst wet thickets of Sallows by the Fosdyke drains (west side) about two miles above Lincoln towards Saxilby, S. Lincoln. *W. Fowler.*

**Agrostis Spica-venti**, L. Sandy fields, Skipwith, South-east Yorks. *H. F. Parsons.*

**Avena pratensis**, L. Risby Heath, W. Suffolk, with *A. pubescens*. *Ch. Babington.*

**Festuca rubra**, var. **ARENARIA**, Godr. (*F. oraria*, Dum.) Sandy coast, Clacton-on-Sea, N. Essex. *Ch. Babington.*

**Brachypodium sylvaticum**, var. **PUBESCENS**, Syme. Amongst broken limestone, foot of Pen-y-Garr, Llangollen, Denbigh. *C. Bailey.*

**B. pinnatum**, Beauv. About Market Rasen in hedge-banks, both upon sand, gravelly drift, and Kimmeridge clays, N. Lincoln. *F. A. Lees.*

**Triticum acutum**, DC. Coast, Clacton-on-Sea, N. Essex. *Ch. Babington.*—Shore, Fosdyke Wash, S. Linc. *W. Fowler.*

**Hordeum sylvaticum**, Huds. On the Bakewell Road, Buxton, Derby. *Ch. Babington.*

**Asplenium septentrionale**, Hull. Rocks facing north, between Chudleigh and Dartmoor, S. Devon. *W. M. Rogers.*

**A. lanceolatum**, Huds. Agden Clough, Upper Bradfield, S. W. Yorks. *Reginald A. Gatty*. Spores perhaps introduced by S. W. winds, but it is now well established, having evidently occupied its ground many years. I counted over twenty different plants, in gritstone crevices, scattered over an area of about a hundred yards. Two miles lower down the Bradfield valley *Cotyledon Umbilicus* occurs in a similar kind of station but by the stream; a second instance in the district of a plant about whose indigenuity there must always be some slight doubt. I fancy the botanists or herbalists of seventy to a hundred years back were somewhat given to planting species from a distance in likely localities near their homes where they could study them, as Tofield certainly did some plants near Doncaster; but it is only fair to say that Mr. J. Backhouse of York holds *Trichomanes radicans* (still existent in S. W. Yorks) a Native, and *Asplenium lanceolatum* quite as likely to be so. Mr. Newbould, too, wrote to me lately—" *Trichomanes* must be native: it can be traced from its discovery till early in this century, and they did not cultivate ferns then." *F. A. L.*

**Woodsia ilvensis**, Br. Precipices of Cader-Idris, Merioneth; with fronds seven inches high. *Jas. Backhouse*.

**Scolopendrium vulgare**, Sm. Hedge-bank, Camblesforth, N. W. York, on alluvial sand. *H. F. Parsons*. Rare in the vice-county off limestone, and in such cases rather doubtfully native also.

**Nephrodium spinulosum**, Desv. Boggy dyke-banks in the fir-wooded and heathy districts about Rasen, common; and in a wood near Tower Moor, Woodhall, N. Lincoln. *F. A. L.* and *W. Fowler*.

**N. æmulum**, Baker. Bunessen, Isle of Mull. *Geo. Ross*.

**Polypodium Dryopteris**, L. Woods at Tintern, Monmouth. Not generally distributed. *T. B. Flower*.

**P. Robertianum**, Hoffm. Moel-y-Geraint, near Llangollen, Denbigh. *C. Bailey*.

**Ophioglossum vulgatum**, *var. AMBIGUUM*, G. et G. Growing on high ground facing to the north, St. Martin's Island, Seilly; on black turfy soil resting on decomposed granite. *R. V. Tellam*. A new locality to that in which found in 1863 by Mr. Townsend.

## III.

## EXTINCTIONS AND REAPPEARANCES.

26 *Ranunculus Lingua*, L. Harpole, Northampton, July, 1876. It is now extinct in the old locality, on faith of which it is inserted as a Northants species in *Topographical Botany*. *G. C. Druce*.

531 *Cotyledon Umbilicus*, L. Very plentiful on every wall in and about Litchboro', Northampton. Extinct at Kingsthorpe. *G. C. Druce*.

✓ 572 *Sium latifolium*, L. Warping-drain, Jerry Lane, Goole fields; and also by the King's Causeway, and about Whitgift and Adlingfleet, all in South-west Yorks. First noticed by *T. Birks, jun.*, and *H. F. Parsons*. A new record for vice-county 63 of *Top. Bot.*, but one of the above stations is a very old one: it may even have been referred to some other vice-county, for "[64]" appears for this *Sium* in *Top. Bot.* as therefor insufficiently vouched. In Turner and Dillwyn's old *Botanists' Guide* (1805) the *Rev. W. Wood's* name follows a record of its occurrence "Near Whitgift, on the banks of the Yorkshire Ouse." Baines and Baker curiously omit to refer to, or quote this in their Yorkshire Floras of 1840 and 1854; and as I had never made personal acquaintance with the plant within the area concerned, when marking for Mr. Watson a Catalogue for the vice-county, I did not include it as an integer in the flora. Neither, until 1877, had Mr. Wood's locality ever been confirmed, nor had it been reported for any other, save (in error for *Helosciadium nodiflorum*) from "a brookside between Keighley and Haworth"—a station most improbable in itself, and which would never have been published had a knowledge of plant-distribution, sufficient for a discrimination between the likely and the unlikely, led to investigation of the report. *F. A. L.*

879 *Verbascum Lychnitis*, L. Whittington Common, Staffordshire, Aug., 1877. I am not aware that this plant has been seen in this county for twenty or thirty years. Mr. Horace Pearce found it this year on a remote part of Whittington Common, Kinver, and introduced me to it. It was a grand sight to see 500 to 600 specimens of this stately plant growing on the same slope. There were a few plants of *V. Thapsus* with it, and also of a hybrid, probably between the two. *John Fraser*.

1043 *Trientalis europæa*, L. Rombald's Moor, near Bingley, Mid-west Yorks. Alt. about 1000 feet, July 14, 1877. Very scarce: a single specimen only seen in flower. *H. F.*

*Parsons, M.D.* The confirmation, so long wanted, for the non-extinction of this species in the vice-county. It had not been found for many years. (See p. 27, 1873 Rep.) The station is really a very old one of Ray's. 'Bingley' is named for it in Prof. T. Martyn's Yorkshire List given as one of the appendices to *Planta Cantabrigienseis* (Lond., 1768)—that list, however, being almost altogether a compilation, mainly from Ray. *F. A. L.*

1074 *Chenopodium olidum*, Curt. Near the Sewage Works, Northampton. The old locality on which inserted in *Top. Bot.* is destroyed. *G. C. Druce.*

1384 *Cladium Mariscus*, Br. Turf-pits about Haxey, Isle of Axholme; and in a bog below Manton near Kirton; N. Lincoln. *W. Fowler.* This is not the first time *Cladium* has been recorded as occurring in North Lincoln, although a new vice-county record for *Top. Bot.* The station "East Fen" (a tract now brought under cultivation, I believe) is given for it in the old *Botanist's Guide*, and quoted under Lincolnshire in *New Bot. Guide*; but Mr. Watson (as though in doubt to which vice division to refer 'East Fen') only gives "Lincoln. . . ?" for it in *Top. Bot.*, p. 420.

1447 *Carex digitata*, L. Monsal-dale, Derbyshire. *Messrs. Rogers and Percival.* Recent record of this species was much wanted. I have reason for believing that the '*digitata*' of Salt's time was the species recently recognised as *ornithopoda*. Last autumn, when looking through the Salt Herbarium at Sheffield (then lodged with the Lit. and Phil. Society; now at the Weston Park Museum) I noticed a specimen of *ornithopoda*, alone on a sheet but without date, locality, or collector's name, as is the case with many of the specimens in that herbarium. Time prevented me from going more than three-quarters through Salt's plants, however; so that I am not prepared to assert no *digitata* is preserved therein. The fact named is the origin for a statement—perhaps too hastily made—in "West Yorkshire" (vol. i., p. 254). *F. A. Lees.*

1611 *Asplenium septentrionale*, Hull. Under 'the Saddle' on Cader Idris, Merioneth. Collected by *J. Pugh* for *Horace Pearce*, F.L.S., Aug., 1877. Not given in *Top. Bot.*, personal voucher to Mr. Watson being lacking, but previously found 'near Dolgelly' by Rev. T. Salwey in 1842, and in 1867 by a Mrs. Barlow.

1656 *Lycopodium Selago*, L. Heath, New Forest, near Lyndhurst Road Station, South Hampshire. *H. and J. Groves.* A relic on this southern heath of a boreal flora, destined to disappear, doubtless; as *Lycopodium alpinum*, a similar relic, has done in N. Lincolnshire from Crossby Warren, which ironworks have now usurped. *F. A. L.*



## IV.

## ALIENS, CASUALS, AND ESCAPES.

**Isatis tinctoria**, L. Risby Heath, amongst Sainfoin, Suffolk, W. *Ch. Babington.*

**Sisymbrium pannonicum**, Jacq. By the Thames opposite Chiswick, Surrey. *E. de Crespigny.*

**Lepidium Draba**, L. New Daston, Northampton: an introduction likely to survive. *G. C. Druce.*

**Alyssum calycinum**, L. Seed-field by foot-road from Market Rasen to Tealby, N. Lincoln. *F. A. Lees.*

**A. maritimum**, L. St. Aubyn's, Jersey. *G. C. Druce.*

**Barbarea præcox**, Br. Railway-banks, Kingsthorpe, Northampton. *G. C. Druce.*—Road-side, Stanmore Heath, Middlesex. *E. de Crespigny.*

**Saponaria Vaccaria**, L. By the railway-line, Wetherby, Mid-W. Yorks. *J. S. Wesley.*—Among corn-mill refuse, near Staleybridge, Cheshire. *J. Whitehead.*

**Silene anglica**, L. Railway-embankment, Sutton Park, Warwick; a casual, rather abundant here, but rare in the county. *J. F. Bagnall.*

**Geranium phæum**, L. Bank of R. Aire above Cottingley Bridge towards Bingley, Mid-west York. *W. West.* Has been well established here for many years.

**Lavatera sylvestris**, Brot. Tresco and St. Agnes' Islands, Scilly Is., now well established, as well as at St. Mary's. *R. V. Tellam.* I repeat two published stations to thus pointedly give this plant a place amongst Casuals and Aliens. Because a Casual becomes established thoroughly in a south-western corner of Britain that has a few really indigenous species peculiar to it, we must not therefore conclude it native. In the 1876 Report it was improperly placed in the Gen. Loc. List, and inserted in N. C. Records (see p. 159, and affix an asterisk after 'Scilly Isles'), as if undoubtedly indigenous, whilst in reality the probabilities are all the other way.

**Malva borealis**, Wallm. Amongst corn-mill refuse, near Staleybridge, Cheshire. *J. Whitehead.*

**Mellilotus alba**, Lam. Banks of Nene, near Sewage works, Northampton. *G. C. Druce.*

**Medicago falcata**, L. Silloth, Cumberland, in considerable plenty, but probably introduced with ballast. *A. Brotherton.*—On corn-mill refuse, Staley Bridge, Cheshire. *J. Whitehead.*

**Cicer arietinum**, Willd. With the last, on corn refuse. *J. Whitehead.*—On waste ground, Huddersfield. *J. Tindall.*

**Trigonella hamosa**, L. With the last at Staleybridge. *J. Whitehead.*

**Onobrychis sativa**, Lam. Rocky-sides of a cutting for a road, Wentbridge, S.W. York. *H. F. Parsons.*—Wetherby, M.W. York, in plenty. *J. S. Wesley.*

**Spiræa salicifolia**, L. Hedgerows on the N.W. margin of Bala Lake, Merioneth; with *every appearance* of having been planted. *C. Bailey.* I do not know quite how much revelation the two words underlined imply, but undoubted non-wildness has been evident wherever I have seen the *Spiræa*—in the Lake District, N. Yorks, &c. No plant on slenderer grounds for inclusion ever found a place in the Lond. Cat. or E. B., I think. The botanists of the generation before 1820—with whom grades of citizenship were still unconsidered trifles—too hastily introduced into our island Floras many species (in the same category as the *Spiræa*), as if Denizens thoroughly naturalized, which would now be considered only as Aliens purely: and English Botany to-day, loth to disregard precedent, retains most of them, although if announced now on no stronger ground than the *Spiræa* of old, they would have little chance of inclusion. But more than this, partly perhaps owing to a recoil in opinion from the looser practice in the direction of a careful stringency, many species worthy to take the place of the retained ones are not included—plants with the claims of perfect naturalisation on their side, such as *Potentilla norvegica*, so abundantly established as to have become over not small areas practically ineradicable, like home weeds.

**Sedum reflexum**, L. Walls of Tattershall Castle, N. Lincoln. *W. Fowler.*

**Ammi majus**, L. Eastbourne, E. Sussex, with Lucerne. *E. A. Lomax.*—Cockfield, W. Suffolk, in Lucerne field. *Ch. Babington.*

**Cornus alba**, Willd. Plantation bordering Malham Tarn, M.W. Yorks; and young plants springing up in the neighbouring bog. *H. F. Parsons.*

**Centaurea solstitialis**, L. Field near Mill Gap, Upperton, E. Sussex. *F. C. S. Roper.*—Field at Daston, Northampton. *G. C. Druce.*

**C. Calcitrapa**, L. In a corn-field, Brighouse, S.W. Yorks. *W. West*.—Has been reported almost year after year for some time from this district, but why so recurrent a Casual (unless becoming a Colonist?), I do not know. *F. A. L.*

**C. Jacea**, L. In the Cemetery at Dukinfield, Cheshire; growing with *C. nigra* and other wild plants. Introduced with grass-seed? *J. Whitehead*.

**Gnaphalium Margaritaceum**, L. Swampy ground near Haxey, N. Lincoln. *W. Fowler*. An escape doubtless.

**Hieracium pratense**, Tausch. Road-side east of Edinburgh in very large quantity. *A. Craig-Christie*.

**Cichorium divaricatum**, Willd. Amongst corn-mill refuse, Staleybridge, Cheshire. *J. Whitehead*.

**Senecio saracenicus**, L. Banks of R. Aire, Snaith, S.W. Yorks. *H. F. Parsons*.

**Anthemis tinctoria**, L. Clover-field, near Thorp-Arch, M.W. York, with *Berteroa incana*. *Jas. Abbott*.—Field near Welwyn, Herts. *T. B. Blow*.

**Xanthium spinosum**, L. On wool-refuse heaps, Boothroyd's Mill, Ridge foot, Meanwood, M.W. York; with *Echinopspermum lappula*, *Medicago pentacycla*, &c. *F. A. Lees*.

**Vinca major**, L. Stoke Bruerne, Northampton: naturalising here and elsewhere by the canal side. *G. C. Druce*.

**Verbascum nigrum**, L. Railway embankment at Frizinghall, near Shipley, S.W. Yorks. *W. West*. Not often grown in gardens in Yorkshire, I think; and the first time this species has been gathered in West Yorkshire. I regard it as a Casual merely.

**V. virgatum**, With. Sandy fields, Harleston, Northampton. *G. C. Druce*.

**Leonurus cardiaca**, L. Garden-escape, Pengwern, Denbigh. *C. Bailey*.

**Teucrium Chamædrys**, L. Well established, and in quantity, on the railway embankment near the 2nd Gatehouse-crossing, a mile N. of Rasen; N. Lincoln. *F. A. Lees*. On hillocky limestone ground, a quarry formerly, near 'the Reeds' Farm, east side of Broughton Wood, N. Lincoln. *W. Fowler*. Recorded by Mr. Fowler many years ago in *Phytologist*, republished now to shew it retains its place: *Hippocrepis comosa* grows with it.

**Amsinckia lycopsoides**, Lehm. On a rubbish heap in a field near the Locks at Gilstead, M.W. Yorks. *W. West*.—Among refuse from a corn-mill near Staleybridge, Cheshire. *A. Wood*. A rather remarkable alien to turn up in same season, independently, in Yorks and Cheshire, and doubtful how brought: with West American grain? Mr. Watson had some difficulty in

getting Mr. West's specimen named, even at Kew; and Mr. Wood's was sent labelled *Onosma tauricum*. The genus is West American, Chili to Oregon, Mr. Watson informs me; but in *Decandolle's Prodrromus* (x., 118), 1846, the abbreviation for 'Country unknown' follows the description of *A. lycopsoides*.

*Symphytum tuberosum*, L. Ditch near Walton Bridge, Middlesex. *H. and J. Groves*.

*S. tauricum*, Willd. In a plantation, Bradfield-Combust, W. Suffolk, not wild. *W. Jordan*.

*Rumex pulcher*, var. *DIVARICATUS*. Rubbish heaps, Kelso, Roxburgh. *A. Brotherston*. Leaf cordate-oblong, not fiddle-shaped.

*R. alpinus*, L. Roadside, Greenland, near Snaith, S.W. Yorks. *H. F. Parsons*.

*R. dentatus*, L. Corn-mill refuse, Staleybridge, Cheshire. *J. Whitehead*.

*Cannabis sativa*, L. Waste ground, Chambercombe, N. Devon. *W. R. Rogers*. This species, again, the merest impermanent Casual conceivable, has a place and figure in *E. B.* If this, why not also hundreds of other aliens now quite as frequent (and more permanent because of constant reinforcement) about all manufacturing towns on the waste heaps of tan-yards, woollen and corn-mills, bleach-grounds, &c.?

*Ornithogalum nutans*, L. Purple Walk, Sowerby, near Thirsk, N.E. Yorks. *T. J. Foggitt*.

*Setaria glauca*, Beauv. By limekiln close to sea, near Ilfracombe, N. Devon. *W. M. Rogers*.

*S. viridis*, Beauv. Bexley, Kent. *E. de Crespigny*.

*Phalaris minor*, Retz. Corn-mill refuse, Staleybridge, with *P. paradoxa*, L. *J. Whitehead*.

*Bromus tectorum*, L. On wool-refuse heaps, Boothroyd's Mill, Meanwood, M.W. Yorks. *F. A. Lees*.

## V.

## COUNTY CATALOGUES, BASIS LISTS, &amp;c.

NOTE.—The *Characeæ* not being included in the scheme of *Topographical Botany*, it becomes necessary to give some outline of their comital distribution, to serve as a basis for such new records as may be hereafter authenticated by specimens. (Such specimens, however, will always be submitted to competent authority, for verification of name, before insertion). No list could form so reliable a basis as one solely founded on herbarium specimens; and, therefore, by request, Professor Babington has kindly furnished the following list which will, perhaps, more admirably serve the purpose of the Club than any other could possibly have done.

## DISTRIBUTION OF CHARA.

AS SHEWN BY SPECIMENS IN MY HERBARIUM.

BY C. CARDALE BABINGTON, M.A., F.R.S., F.L.S.

[Drawn up in May, 1878.]

- 1 *Chara flexilis*, L.
  - COUNTY 17 *Surrey*, Wimbledon. H. Groves.
  - 18 *E. Essex*, Woodford. H. Groves.
  - 29 *Cambridgeshire*. C. C. B.
  - 38 *Warwick*, Coventry. T. Kirk.
  - 148 *Antrim*, Lough Neagh. D. Moore.
- 2 *C. capitata*, A. Braun.
  - 17 *Surrey*, Mitcham. H. Groves.
  - 49 *Carnarvon*, Llyn Idwal. C. C. B.
- 2\* *C. syncarpa*, Thuil.
  - 17 *Surrey*, Croydon. H. Groves.
  - 29 *Camb.*, Gamlingay. C. C. B.
  - 88 *Perth mid.* W. Nichol.
  - 113 *Kerry*, Killarney. D. Moore.
  - 116 *Cork*. I. Carroll.
  - 133 *Westmeath*. D. Moore.
  - 135 *W. Galway*, Ma'am. C. C. B.
  - 148 *Antrim*, Lough Neagh. D. Moore.

- 2\*\**C. opaca*, A. Br.  
17 *Surrey*, Croydon. H. Groves.
- 3 *C. translucens*, Pers.  
18 *Essex*, Hainault Forest. C. C. B.  
87 *Perth west*; Loch Lubnaig. C. C. B.  
116 *Cork*. I. Carroll.  
133 *Westmeath*. D. Moore.  
149 *Derry*. D. Moore.
- 4 *C. mucronata*, A. Br.  
13 *Sussex w.*, West Grinstead. W. Borrer.
- 5 *C. gracilis*, Sm.  
13 *Sussex w.*, St. Leonard's Forest. W. Borrer.  
125 *Dublin*. D. Orr (doubtful).
- 6 *C. tenuissima*, Desv.  
29 *Cambridge*, Fen country. C. C. B.
- 7 *C. glomerata*, Desv.  
11 *Hants s.*, Hayling Island. W. Borrer.  
16 *Kent w.*, Plumstead. H. Groves.  
19 *Essex*, Copford. C. C. B.  
27 *Norfolk w.*, Burnham and Cley. W. W. Newbould.
- C. SMITHI*, Bab.  
13 *Sussex w.*, Lancing. W. Borrer (I do not possess this specimen).
- 8 *C. intricata*, Roth.  
29 *Cambridge*, Knapwell. J. B. Wilson. Near Cambridge, C. C. B.  
125 *Dublin*. D. Moore.
- 9 *C. alopecuroides*, Del.  
10 *Isle of Wight*, Newtown. A. G. More.
- 10 *C. crinita*, Wallr.  
1 *Cornwall w.*, Falmouth. W. L. Garnons.  
~~116 *Cork*, Ballycotton. I. Carroll.~~
- 11 *C. foetida*, A. Br.  
1 *Cornwall w.*, Lizard. H. Groves.  
5 *Somerset w.* C. C. B.  
8 *Wilts s.* C. C. B.  
10 *Isle of Wight*. A. G. More.  
11 *Hants s.*, Lymington. H. Groves.  
17 *Surrey*. H. Groves.  
23 *Oxford*. W. R. Linton.  
29 *Cambridge*. C. C. B.  
38 *Warwickshire*, Coventry. T. Kirk.  
45 *Pembrokeshire*. C. C. B.  
70 *Cumberland*. W. Christy.  
125 *Dublin*. J. Ball.

- 12 *C. hispida*, L.  
 6 *Somerset n.* C. C. B.  
 29 *Cambridge.* C. C. B.  
 90 *Forfarshire, Dundee.* W. Gardiner.  
 112 *Upper N. Isles, Unst.* R. Tate.  
 123 *Wicklow.* D. Moore.  
 148 *Antrim, Lough Neagh.* D. Moore.
- 12\* *C. hispida (polyacantha ?)*  
 1 *Cornwall w., Lizard Point.* J. Ralfs.  
 62 *Yorkshire n. e.* J. G. Baker.  
 63 *Yorkshire s. w.* F. A. Lees.†  
 130 *E. Galway.* A. G. More.  
 133 *Westmeath.* D. Moore.
- 13 *C. tomentosa*, L.  
 131 *Tipperary, Shannon by Portumna.* D. Moore.  
 133 *Westmeath.* D. Moore.
- 14 *C. aspera*, Willd.  
 1 *Cornwall w., Falmouth.* W. L. Garnons.  
 17 *Surrey, Pirbright.* H. Groves.  
 52 *Anglesea.* W. Borrer.  
 112 *Upper N. Isles, Shetland.* R. Tate.  
 123 *Wicklow.* D. Moore.  
 141 *Fermanagh, Lough Erne.* D. Moore.  
 148 *Antrim, Lough Neagh.* D. Moore.
- 15 *C. fragilis*, Desv.  
 1 *Cornwall w., Falmouth.* L. Squire. Scilly Is.  
 F. Townsend.  
 6 *Somerset n.* Bath. C. C. B.  
 13 *Sussex w.* M. J. Berkeley.  
 14 *Sussex e.* Pullborough and East Grinstead. C. C. B.  
 28 *Norfolk w.* C. C. B.  
 38 *Warwickshire.* A. Bloxam.  
 40 *Shropshire.* C. C. B.  
 60 *Lancashire w., Lancaster.* W. Wilson.  
 69 *Westmoreland, Derwentwater.* E. A. Holmes.  
 83 *Edinburgh.* J. H. Balfour.  
 112 *Upper N. Isles, Shetland.* R. Tate.  
 114 *Kerry n., Brandon.* D. Moore.  
 115 *Cork w.* J. Carroll.  
 123 *Wicklow.* D. Moore.  
 133 *Westmeath.* D. Moore.
- 16 *C. fragifera*, Dur.  
 1 *Cornwall w.* J. Ralfs.

† I have not presumed to alter Professor Babington's MSS., but Dr. H. F. Parsons, of Goole, was the discoverer of this Chara in a pond at "Hook Grange." I was merely the transmitter of it for verification. F. A. L.

## CORRECTIONS AND ADDENDA.

**R. 'Bachii, Wirtg.'** (p. 115, 1875 Report), from Tweed, so named by Dr. Boswell, Professor Babington decides to be *confusus* Godr. (Bot. Exchange Club Rep. for 1876, p. 5). Mr. Brotherston's '*salsuginosus*, Dum.', from same locality (p. 175, 1876 Rep.)—a plant without any floating leaves, and hispid as to its receptacle—Professor Babington decides to be "probably correct according to Hiern's nomenclature, but a state of *confusus*." Dr. Boswell, however, in Report alluded to, p. 7, is stated to have decided it 'not *salsuginosus*, which is *R. confusus* without floating leaves.' Possibly the plant may be designated differently yet again, when a dry or a wet season, or some other circumstance, shall alter for a time the local conditions under which it lives; but seeing that both gatherings by Mr. Brotherston were from the same locality and (barring the few floating leaves on the 1875 specimens) have a similar facies, a method in Professor Babington's diagnosis is evident, and it may, perhaps, be not unsafe to assume that his name if right in one case is also correct in the other. In that case, *R. fruitans* as a New Co. Record for 80 must be deleted for the present from page 97 of our 1875 Report.

**R. 'penicillatus, Hiern.'**, localised by Mr. Bagnall (p. 175, 1876 Rep.), from 'R. Blythe, near the Bridge,' Warwick, is said by Dr. Boswell (*Bot. Ex. Club Rep.* for 1876, p. 5) to be *R. fruitans*. Following Hiern, I certainly thought the latter species to have a glabrous or glabrescent receptacle and stamens shorter than the pistils. *In the specimens sent to the Record Club* by Mr. Bagnall the receptacle is clearly and *markedly* hispid, and the stamens exceed the pistils.

**R. 'radians, Rev.'**, from 'pond at Floors' (p. 175, 1876 Rep.), should be *Godronii* according to the Exchange Club Report (p. 6), quoted from above, where Mr. Brotherston's name reads as if corrected by Dr. Boswell (Professor Babington coinciding), with the remark, "See the hairs on the under side of the floating leaves." Now, when 'passing' Mr. Brotherston's plant for



our last Report as correctly determined, previous to sending Mr. Blow the year's contributions, I did notice the appressed hairs; and, in consequence, following Mr. Hiern's key to the forms,—a definite, if somewhat artificial guide,—judged it *radians*, since that name is coupled by him with the character "floating leaves rather thick, often hairy beneath," in preference to *Godronii* given as having "glabrous thin leaves." Dr. Boswell's note seems to associate the hairs with *Godronii*, if it does not quite imply that in *radians* they would be wanting. Yet Mr. Hiern's differentiation suggests the very opposite. I do not, of course, presume to question the justice of the final verdict—*Godronii*—passed; I simply do not understand it. If Mr. Hiern's key formulates a distinction where no difference exists in reality—expresses an idea in place of a fact, then the two names are essentially synonyms, and the later one, Revel's of 1853, should be dropped, unless some reason (such as want of definite description of the older name) exists for not doing so, in which case the opposite course might be taken. But if the two are synonyms, I fail to see the advantage of the alteration of the name apart from a precise indication of the reason for such alteration; if the two names are not synonymous, as Mr. Hiern implies, and the distinctions he draws valueless, it would be interesting to know something definite as to how they differ. But perhaps the only exact knowledge anyone has of the confusing forms of the *Batrachium* section of *Ranunculus* is the fact of their delightful indefiniteness.

As, however, I do not like, year by year, to have to alter names attached to contributions of the previous Report, and cannot pretend to judge of their fixity or falsity myself, in the interests of reliable record—my first wish and greatest anxiety, I must ask members to send for insertion in our Reports no *Ranunculi* of this section until they have first submitted them to at least two of three authorities, Professor Babington, Dr. Boswell, Mr. Hiern, and only then in cases where there has been complete agreement as to name. *F. A. L.*

*Lavatera sylvestris*, L. (Page 159, 1876 Report). Append asterisk to 'Scilly Isles': it must not be supposed to be indigenous without any doubt.

*Trifolium fragiferum*, L. (See p. 160, 1876 Report). There, under the name of this species, '65 York north-west' should be 64 York mid-west; and as the record is not strictly a new one Dr. Parsons' name ought to have been followed in the same line by—"To remove? Top. Bot. p. 124.' *F. A. L.*

*Vicia Orobus*, DC. (Page 160, 1876 Report). Devon north (not south as printed). The locality is given correctly on p. 177.

*Lotus tenuis*, Kit. (Pp. 160 and 177, 1876 Report). It is

doubtful if Mr. Foggitt's plant, from the same field as the *Crepis nicaensis* inserted rightly in Alien and Casual List, be really Kitaibel's *tenuis*. (See p. 235 of this Report.) *F. A. L.*

**Galium glaucum, L.** This species is recorded in the Report for 1874, p. 77, erroneously under the name of *Galium erectum*, Huds. In 1877 Mr. Julian Neve shewed me a specimen of the same species which he had picked by the Thames below Hampton Court, Middlesex; doubtless a Casual there. It is the *Asperula galioides* of Bieberstein; a change of generic name which sufficiently suggests the immediate character of the plant. *H. C. Watson.*

September 15, 1878.

1878.

## QUINQUENNIAL APPENDIX.

A SUMMARY OF

## COUNTY DISTRIBUTION

ADDITIONAL TO 'TOPOGRAPHICAL BOTANY.'

## INTRODUCTORY AND EXPLANATORY.

In presuming to present the student of plant-distribution with a Summary which is practically a Supplement to Mr. Watson's latest Work, some explanation will doubtless be expected from the compiler in justification of the *principle* upon which selection of records has been made: consisting, as the Summary does, merely of an enumeration, in systematic form, of those native British Flowering Plants and Ferns, to the distribution of which (as laid down in *Topographical Botany*) one or more new counties have been added.

To render such a collection even approximately complete, something seemed advisable beyond a bald *resumé* of the counties added by the Botanical Record Club during its first quinquennial—although more numerous than all those elsewhere-published put together; and yet a glance over the sea of Journalistic records shewed 'rocks ahead' by no means easy to avoid, and giving but small hope of bringing to port a cargo whose component parts should have an equal value, unless some fixed course might be strictly followed by which reliability of record should be in no danger of wreckage from an overloading of the Summary with items intended to give it weight and symmetry. Only after long consideration it was decided that *the line of inclusion should be drawn at specimen-vouched notices*: thus admitting on terms of equality with those of the Record Club

Reports *only* such as the Botanical Exchange Club has published. By doing this a line of safety seemed easiest kept, and the spirit of *Topographical Botany* most nearly adhered to.

The reasons coercing the compiler to draw the line thus—if drawing it at all—are sufficiently obvious. The specimens upon which are based such additional comital records as the Exchange Club has registered, differ widely from the bulk of those in botanical literature generally, inasmuch as they are not usually solitary examples; and, further, having all passed the scrutiny of such competent observers as Professor Babington, Mr. Baker, Dr. Boswell, Mr. Briggs and Mr. Pryor, the likelihood of correct nomenclature is raised to a maximum. Besides this, to have attempted more than the one addition ventured on would have made it very difficult to fix any practicable or justifiable line of exclusion; and, wherever drawn, offence—through an implied untrustworthiness of what was rejected—would inevitably have been given somewhere.

It needed some little firmness, however, to resist the temptation to make an exception in the case of such additions to *Topographical Botany* as have chanced to alone appear (not sent ultimately to the Exchange or Record Club) in the one official Journal of Botany in Britain; but the necessity for avoidance of all invidious distinction, coupled with the fact that the records to be found only in that Journal are very few indeed, should surely reconcile those for whom this compilation is intended, to their exclusion, in pursuance of a fixed principle. If some little matter of value has been lost by such rigid adherence to rule, the gain in trustworthiness possibly more than compensates for it; and, in any case, to have made the summary a general repertory of *all* the additions to *Top. Bot.*, 'reported' since 1873, would have entailed labour as prolonged and difficult as it would certainly have been thankless (since uncalled for) and wasted.

It only remains to say that, as in *Top. Bot.*, only species thought to be native in some at least of the counties they occur

in, are dealt with—no note being taken of such as are quasi-wild or undoubtedly alien everywhere in Britain; and that the plan and method after which their distribution is expressed, purposely imitates that of *Topographical Botany* itself. Under the number and name (those of the *sixth* Edition of the *London Catalogue of Plants*) of the species, the known range of which has been extended, the comital extension is indicated by the numbers of the counties on Mr. Watson's *Outline Map*, and by the names also—the one affording a check against (or possibly indication of) error in the other; after which is given in the case of Locality Club records the name of the collector in such county, as that of the 'personal authority' standing sponsor for its bona-fide occurrence. When, however, the additions relate to very common species, presumably occurring in every county, hitherto unrecorded simply because overlooked, the county reference is made by giving its number only. This curtailment is made to save space; and for such well-nigh ubiquitous species (but for them only) the Catalogues of Common Plants, contributed to the Record Club for Breconshire, Radnor, Merioneth, Selkirkshire, Stirling, and the Mid-Ebudes islands, by competent botanists, are sometimes quoted; although the species in those catalogues are not in every case represented by specimens. There seemed to the compiler no danger in using them for such plants as *Anemone nemorosa* or *Asplenium Trichomanes*, since if the contributors may not be trusted in regard to such well-known species they are unfit to draw up catalogues at all. Basis-lists for the counties named were lacking whilst *Top. Bot.* was being compiled, but had they been forthcoming would doubtless have been accepted by Mr. Watson; and, in such a Summary as this, *not* to put them to the legitimate use for which they were supplied, viz. in completion of the scaffolding of *Topographical Botany*, would seem an excess of caution amounting to almost absurd timidity.

The numbers, where solely used to indicate the range of common species, have been sufficiently scrutinized in 'proof,' that no

error might creep in ; and the county intended by each one will be disclosed, by a glance over adjacent pages (where distribution is indicated in full) until the number wanted is seen in juxtaposition with the shire for which it serves as a numerical synonym. For these very common species, too, quotation of the personal sponsor has been thought unnecessary: those who wish to know it, or are curious as to the locality in the county for which it is stylable 'New,' will have to refer back to that one of the five B. L. R. C. Reports wherein it was first published. Stational record, as distinguished from comital, forms no part of the plan of this Summary.

County additions extracted from the Reports of the *Exchange Club* meet with a somewhat different treatment, advisedly to distinguish them. Mostly relating to critical species they are nowhere made use of without indication of their source. They will be found incorporated with the other records, in due order; but in place of the collector's surname after the shire in which found, the general—not the personal—source of the record is preferentially shewn by the abbreviations (varied to get the quotation into the half line) of Ex. C. Rep., E. C. Rep., or E. C. R., and the date of the Report (contracted to two figures) in which the county addition in question can be found. The space at disposal would not serve for indication of *both* dated 'Fact' *and* 'Authority'—so, like as when in other conjunctions the claims of the two are opposed, the latter yields place to the former.

Only one abbreviated indication of a 'personal authority' is ventured on. The mark of exclamation (!) appended in fifty or sixty instances to the name of a shire (or its corresponding numeral) is intended to serve as a second personal authority—that of the writer: indicating that the compiler has also seen it himself in the area in question. The corroboration may be held to have little value, seeing that an actual specimen is the basis of the original record; but is, perhaps, permissible as it occupies no more space than a Period would do, and may occasionally even prove useful.

## SUMMARY.

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1 *Clematis Vitalba*.  
50 Denbigh. Bailey.

2 *Thalictrum alpinum*.  
03 Ebudes mid. Ross.

3 *T. flexuosum*.  
48 Merioneth. Bailey.  
64 York mid w. Cheesman.  
65 York north w. Lees.  
80 Roxburgh. Brotherston.

3 *T. maritimum*.  
44 Carmarthen. Jones.  
54 Lincoln north. Fowler.  
98 Argyle. Ross.

4 *T. flavum*.  
32 Northton. Druce.  
53 Lincoln south. Fowler.

5 *Anemone Pulsatilla*.  
54 Lincoln north. Fowler.

6 *A. nemorosa*.  
Counties 43, 53, 60, 79, and 103.

9 *Adonis autumnalis*.  
20 Herts.† Blow.  
80 Roxburgh.\* Brotherston.

11 *Ranunculus*  
*trichophyllus*.  
14 Sussex east. Roper.  
20 Herts. Blow.  
30 Bedford. Blow.

32 Northton. Druce.  
33 Gloster east. Duthie.  
80 Roxburgh. Brotherston.  
54 Lincoln north. Lees.

11 *R. Drouetii*.  
2 Cornwall east. Tellam.  
16 Kent west. Groves.  
54 Lincoln north. Blow.  
63 York south-west. Carr.  
64 York mid-west. Lees.

11 *R. circinatus*.  
42 Brecon. Ley.  
64 York mid-west. Lees.

11 *R. Godronii*.  
20 Herts. Blow.  
21 Middlesex. Blow.  
63 York south-west. Carr.  
64 York mid-west. Webster.  
80 Roxburgh. Brotherston.

11 *R. Baudotii*.  
2 Cornwall east. Tellam.  
5 Somerset south. Blow.  
16 Kent west. H. Groves.  
53 Lincoln south. Fowler.  
54 Linc. n. Fowler and Blow.

11 *R. fluitans*.  
3 Devon south. Rossall.  
54 Lincoln north. Fowler.  
63 York south-west. Carr.  
64 York mid-west. W. West.  
70 Cumberland. Hodgson.

- 11 *R. tripartitus*, DC.  
 2 Corn. east. Tellam. *Type*.  
 14 Sus. e. Roper. Var. *interm.*
- 12 *R. Lenormandi*.  
 84 Gloster west. Ley.
- 14 *R. Ficaria*.  
 Counties 43, 47, 48, 53, 60, 69!  
 79, 86, and 103.
- 15 *R. Flammula*.  
 Counties 43, 47, 48, 79, 86 & 103.
- 16 *R. Lingua*.  
 8 Wilts south. Hussey.  
 53 Linc. s. Fowler and Lees.
- 18 *R. auricomus*.  
 53 Lincoln south. Lees.  
 79 Selk. Farquharson *cat.*
- 21 *R. bulbosus*.  
 Cos. 43, 53!, 60, 69, 79, 86, 103.
- 22 *R. hirsutus*.  
 63 York south-west. Parsons.  
 80 Roxburgh.† Brotherston.  
 81 Berwick.† Brotherston.
- 23 *R. sceleratus*.  
 Counties 60, 86, and 103.
- 25 *R. arvensis*.  
 80 Roxburgh.\* Brotherston.
- 26 *Caltha palustris*.  
 Counties 43, 48, 60, 79, 86 & 103.
- 26 *C. Guerangerii*.  
 3 Devon s. E. C. Rep. 1876.  
 86 Hereford. Ley.
- 27 *Trollius europæus*.  
 79 Selkirk. Farquharson *cat.*  
 03 Ebudes m. (Mull.) Ross.
- 30 *Helleborus foetidus*.  
 81 Berwick.\* Brotherston.
- 31 *Aquilegia vulgaris*.  
 43 Radnor. Ley *cat.*  
 (79 Selk.\* Farquharson *cat.*)
- 35 *Berberis vulgaris*.  
 5 Somerset south.† Parsons.
- 36 *Nymphæa alba*.  
 79 Selkirk. Farquharson *cat.*  
 86 Stirling.\* Croall.  
 103 Mull. Ross *cat.*
- 37 *Nuphar lutea*.  
 60 Lanc. west! Linton *cat.*  
 79 Selkirk. Farquharson *cat.*  
 86 Stirling. Croall.  
 103 Eb. m. (Mull.) Ross *cat.*
- 41 *Papaver Lecoqii*.  
 16 Kent w. E. C. Rep. 1866.  
 17 Surrey. Groves.  
 20 Herts. Blow.  
 24 Bucks. E. C. Rep. 1867.  
 29 Camb. Bab. Blow *spn.*  
 30 Bedford. Blow.  
 38 Warwick. E. C. R. '67.  
 62 York north-east. Foggitt.  
 85 Fife. E. C. Rep. '71.
- 41 *P. Lamottei*.  
 Counties 17, 20, 29, 30, 31, 54,  
 62, 63! 64! To indicate seg.
- 42 *P. Rhoëas*.  
 Counties 42, 60 and 86.
- 46 *Glaucium luteum*.  
 44 Carmarthen. Jones.  
 48 Merioneth. Ley *cat.*
- 48 *Corydalis claviculata*.  
 24 Bucks. Druce.  
 30 Bedford. Druce.



- 44 Carmarthen. Jones.  
 54 Linc. north. Lees. Fowler.  
 60 Lanc. west! Linton *cat.*

50 *Fumaria pallidiflora.*

Jordani, Syme.

- 19 Essex north. Groves.  
 79 Selkirk. Brotherston.  
 80 Roxburgh. E. C. R. '76.

50 *F. Boræi*, Jord.

- 2 Corn. east. Ex. C. R. '76.  
 11 Hants south. Blow.  
 25 Suff. east. Ch. Babington.  
 36 Hereford. Ley.  
 44 Carmarthen. Jones.  
 48 Merioneth. Ley.  
 50 Denbigh. Bailey.  
 61 York south-east. Parsons.  
 80 Roxburgh. Brotherston.  
 81 Berwick. Brotherston.  
 86 Stirling. Croall.

50 *F. confusa.*

- 5 Som. south. Flower.  
 85 Monmouth. Ley.  
 36 Hereford. E. C. R. '76.  
 48 Merioneth. Ley.  
 85 Fife. E. C. Rep. for '72-4.  
 87 Perth w. E. C. R. '72-4.

50 *F. muralis.*

- 59 Lanc. south. Lewis

51 *F. officinalis.*

- Counties 43, 53, 79, and 103.

52 *F. micrantha.*

- 63 York s. w. † Lees Rep. '73.

53 *F. parviflora.*

- 30 Bedford. Blow.  
 80 Roxburgh. † Brotherston.

54 *F. Vaillantii.*

- 30 Bedford. Blow.

57 *Coronopus didyma.*

- 36 Hereford. Ley.  
 42 Brecon. Ley.  
 63 York south-west.\* Parsons.

60 *Thlaspi arvense.*

- 11 Hants s. Marquand. Cnfrm.  
 63 York south-west. Parsons.  
 'Colonist.'

63 *Capsella*

Bursa-pastoris.

- Counties 43, 47, 48, 79, and 103.

65 *Teesdalia*

nudicaulis.

- 54 Linc. north. Fowler. Lees.  
 81 Berwick. Brotherston. Con-  
 firmation.

66 *Iberis amara.*

- 14 Sussex east. Oakeshott.

69 *Lepidium Smithii.*

- 16 Kent west. Groves.  
 32 Northton. Druce.  
 54 Linc. north. Fowler.  
 63 York south-west. Lees.  
 79 Selkirk. Brotherston.  
 80 Roxburgh. Brotherston.  
 86 Stirling. Duthie.

70 *L. campestre.*

- 53 Linc. south. Fowler.  
 54 Linc. north. Fowler.

71 *L. ruderale.*

- 13 Sussex west.\* Warren.  
 20 Herts. Blow.

72 *Cochlearia*

officinalis.

- 69 Westmorland. Bailey.

72 *C. danica.*

- 13 Sussex west. Warren.

- 72 *C. alpina*.  
48 Merioneth. Ley.
- 73 *C. anglica*.  
53 Linc. south. Fowler.  
54 Linc. north. Fowler.
- 74 *Subularia aquatica*.  
03 Ebudes mid. Ross.
- 78 *Draba muralis*.  
80 Roxb.\* Brotherston. Intrad.
- 79 *D. eu-verna*.  
Counties 43, 79 and 86.
- 79 *D. brachycarpa*.  
38 Warw. E. C. Rep. 1875.  
57 Derby. Bailey.  
63 York south-west. Carr.  
64 York mid w. Foggitt.  
66 Durham. Lees.
- 200 85 *Cardamine pratensis*.  
Counties 42, 43, 79, and 103.
- 86 *C. hirsuta*.  
54 Linc. north. Fowler.  
80 Roxburgh. Brotherston.  
86 Stirling. Croall.  
03 Eb. mid. Ross cat.
- 86 *C. sylvatica*.  
Counties 44, 47, 48, 61, 79, 80,  
and 103.
- 88 *Arabis thaliana*.  
Counties 32, 43, 54, 60, 79, 86,  
and 103.
- 92 *A. hirsuta*.  
Counties 5, 43, 48, 54, 79, 103.
- 95 *Barbarea stricta*.  
53 Linc. south. Fowler.  
54 Linc. north. Lees.
- 95 *B. vulgaris*.  
Counties 42, 43, 47! and 79.
- 99 *Nasturtium terrestre*.  
42 Brecon. Ley.  
53 Linc. south. Fowler.  
54 Linc. north. Fowler.
- 100 *N. sylvestre*.  
53 Linc. south. Fowler.
- 101 *N. amphibium*.  
64 York mid w. Parsons.  
87 Clackmannan. Ex. C. '72-4.
- 104 *Sisymbrium Sophia*.  
14 Suss. e. E.C.R. '76. Cnfrm.  
32 Northton. Blow.  
80 Roxburgh.† Brotherston.
- 106 *Erysimum cheiranthoides*.  
Counties 32, 49, 54, 60, and  
80, all.\*
- 107 *E. Alliaria*.  
Counties 43, 47, 53, 60, 79,  
and 86.
- 117 *Sinapis alba*.  
80 Roxburgh. Brotherston.
- 120 *S. tenuifolia*.  
32 Northton. Druce.  
45 Pembroke. Bailey.  
75 Ayr.\* Horn.
- 121 *S. muralis*.  
4 Dev. north.\* Rogers.  
11 Hants south.† Groves.  
13 Sussex west. Warren.  
14 Sussex east. Warren.  
36 Hereford.\* Ley.  
63 York s. w.\* Parsons.  
75 Ayr.\* Horn.  
80 Roxburgh.† Brotherston.

- 122 *S. monensis*.  
37 Worcester. Fraser. Relic?
- 123 *Raphanus*  
*Raphanistrum*.  
Counties 48, 79, and 103.
- 124 *R. maritimus*.  
44 Carmarthen. Jones.
- 128 *Helianthemum*  
*vulgare*.  
Counties 43, 60 and 79.
- 130 *H. canum*.  
64 York mid-west. Lees.
- 132 *Viola palustris*.  
34 Gloster west. Ley.  
54 Linc. north. Fowler.  
80 Roxburgh. Brotherston.  
86 Stirling. Croall.
- 133 *V. odorata*.  
80 Roxb.† Brotherston.
- 133 *V. permixta*, Jord.  
3 Devons. E. C. Rep. '65.  
11 Hants south. Groves.  
17 Surrey. Groves.  
19 Essex north. Blow.  
20 Herts. Blow.  
36 Hereford. Ley.
- 135 *V. Reichenbachiana*.  
30 Bedford. Blow.  
32 Northton. Druce.  
34 Gloster west. Ley.  
54 Lincoln north. Fowler.  
63 York south-west. Lees.  
64 York mid-west. Foggitt.
- 135 *V. flavicornis*, Sm.  
54 Lincoln north. Fowler.  
112 Shetland. M. Middleton.
- 135 *V. lactea*.  
3 Devon s. E. C. Rep. '76.  
34 Gloster west. Ley.  
63 York south-west. Parsons.
- 136 *V. eu-tricolor*.  
03 Ebudes mid. Ross.
- 137 *V. Curtisii*.  
1 Scilly. Tellam. Confirmn.
- 138 *Drosera rotundifolia*.<sup>300</sup>  
Counties 43, 47, 48, 79 and 86.
- 139 *D. intermedia*.  
44 Carmarthen. Jones.  
61 York south-east. Parsons.  
63 York south-west. Parsons.
- 140 *D. anglica*.  
54 Lincoln north. Fowler.
- 141 *Polygala eu-vulgaris*.  
Counties 4, 8, 20, 30, 40, 45, 49,  
63 and 64.
- 141 *P. oxyptera*.  
2 Cornwall east. Tellam.  
4 Devon north. Rogers.  
15 Kent east. Duthie.  
35 Monmouth. Ley.  
49 Carnarvon. Ley.  
50 Denb. E. C. Rep. '72-4.  
63 York south-west. Lees.  
64 York mid-west. Foggitt.
- 141 *P. depressa*.  
8 Wilts south. Rogers.  
14 Sussex east. Warren.  
16 Kent west. J. Groves.  
20 Herts. Blow.  
34 Gloster west. Ley.  
49 Carnarvon, Linton.  
54 Lincoln north. Fowler.  
86 Stirling. Duthie.

- 141 *P. calcarea*.  
 14 Sussex east. Roper.
- 146 *Dianthus Armeria*.  
 44 Carmarthen. Oakeshott.  
 (80 Roxburgh.\* Brotherston.)
- 153 *Silene maritima*.  
 44 Carmarthen. Bailey.  
 54 Lincoln north. Lees.
- 155 *S. anglica*.  
 4 Devon north. Rogers.
- 157 *S. noctiflora*.  
 7 Wilts north.† Preston.  
 14 Sussex east.† Oakeshott.  
 33 Gloster e. E. C. Rep. '67.  
 80 Roxburgh. Brotherston.
- 158 *S. conica*.  
 13 Sussex west. Warren.  
 16 Kent west.† Crespigny.
- 166 *Mcenchia erecta*.  
 64 York mid-west. Lees.
- 167 *Sagina maritima*.  
 14 Sussex east. Warren.
- 167 *S. apetala*.  
 4 Devon north. Rogers.  
 8 Wilts south. Rogers.  
 14 Sussex east. Roper.  
 32 Northton. Druce.
- 168 *S. ciliata*.  
 4 Devon north. Rogers.  
 8 Wilts south. Rogers.  
 14 Sussex east. Warren.  
 16 Kent west. Groves.  
 31 Hunts. Druce.  
 33 Gloster e. E. C. Rep. '67.  
 36 Hereford. Ley.  
 42 Brecon. Ley.  
 50 Denbigh. Bailey.
- 54 Lincoln north. Lees.  
 86 Stirling. Duthie.
- 169 *S. subulata*.  
 86 Stirling. Croall.
- 171 *S. nodosa*.  
 11 Hants south. Groves.
- 172 *Spergula arvensis*.  
 Counties 43, 47, 48, 60, 79 & 103.
- 174 *Spergularia marginata*.  
 15 Kent east. Blow.  
 28 Norfolk west. Blow.  
 44 Carmarthen. Jones.  
 49 Carnarvon. Bailey.  
 53 Lincoln south. Fowler.  
 54 Lincoln north. Fowler.  
 69 Westmorland. Bailey.  
 103 Ebudes mid. Ross.
- 174 *S. neglecta*.  
 14 Sussex east. Warren.  
 61 York south-east. Parsons.  
 63 York south-west. Parsons.  
 74 Wigton. Horn.  
 81 Berwick. Brotherston.
- 174 *S. rupestris*.  
 11 Hants south. Groves.  
 45 Pembroke. Bailey.  
 74 Wigton. Horn.
- 175 *S. rubra*.  
 Counties 48, 60 and 103.
- 178 *Arenaria leptoclados*  
 24 Bucks. Ex. C. Rep. 1867.
- 179 *A. tenuifolia*.  
 57 Derby. Whitehead.  
 64 York mid-west. Wesley.  
 N.B.—The record for vice-  
 co. '64, Baker sp.', in *Top.*

*Bot.*, p. 90, should be transferred to vice-county 65, north-west York.

182 *A. trinervia*.  
Counties 43, 79, 80, 86, and 103.

184 *Stellaria nemorum*.  
46 Cardigan. Ley.  
54 Linc. north. Fowler.

185 *S. media*.  
Counties 42, 43, 47, 48, 79 and 103.

185 *S. umbrosa*, Opitz.  
3 Devon s. E. C. Rep. 1876.  
6 Som. n. E. C. Rep. 1871.  
18 Essex south. E. C. R. '71.  
36 Hereford. E. C. R. '71.  
38 Warwick. Bagnall.  
85 Fife. E. C. Rep. 1871.

186 *S. Holostea*.  
Counties 42, 43, 48, 60, 79, 86, and 103.

187 *S. glauca*.  
37 Worcester. Lees.  
53 Linc. south. Fowler.

189 *S. uliginosa*.  
Counties 32, 35, 43, 47, 48, 79, 80, 86, and 103.

191 *Cerastium*  
*aquaticum*.  
11 Hants south. Marquand.  
14 Sussex east. Warren.

192 *C. glomeratum*.  
Counties 42, 43, 48, 79, 86, & 103.

193 *C. triviale*.  
Counties 42, 47, 48, 79, and 103.

194 *C. semidecandrum*.  
3 Devon s. Rogers. Cnfrmtry.  
80 Roxburgh. Brotherston.

194 *C. tetrandrum*.  
54 Linc. north. Lees.  
96 Easterness. E. C. Rep. '75,

194 *C. pumilum*.  
33 Gloster east. Duthie.

195 *C. arvense*.  
9 Dorset. Mansell-Pleydell.  
40 Salop. Huish.

196 *C. alpinum*.  
96 Easterness. Ley.

197 *C. latifolium*.  
87 Perth w. Ley. 'Smithii.'

202 *Linum catharticum*.  
Counties 43, 47, 48, 79, 86 & 103.

203 *Radiola millegrana*.  
54 Linc. north. Fowler.  
66 Durham. Lees.

204 *Malva moschata*.  
32 Northton. Druce.  
46 Cardigan. Huish.  
53 Linc. south. Fowler.

205 *M. sylvestris*.  
Counties 42, 43, 47, 48 and 86.

206 *M. rotundifolia*.  
35 Monmouth. Ley.  
61 York south e. Parsons.

208 *Althæa officinalis*.  
53 Linc. south. Fowler.

209 *A. hirsuta*.  
6 Somerset north. Baker.

400

- 210\* *Lavatera sylvestris*.  
1 Corn. w. (Scilly). † Curnow.
- 211 *Tilia parvifolia*.  
5 Som. south. Lees.  
53 Linc. s.\* Lees. Not wild.  
69 Westmorland. Bailey.
- 214 *Hypericum*  
*Androsæmum*.  
87 Perth west. Druce.  
103 Ebudes mid. Ross.
- 215 *H. perforatum*.  
Counties 47, 48, 53! 79, 86 & 103.
- 216 *H. quadrangulum*.  
Counties 47, 48, 79, 86, & 103.
- 216 *H. dubium*, Lees.  
54 Linc. north. Lees.  
79 Selkirk. Brotherston.  
80 Roxburgh. Brotherston.
- 218 *H. humifusum*.  
35 Monmouth. Ley.  
80 Roxburgh. Brotherston.  
86 Stirling. Duthie.
- 220 *H. pulchrum*.  
Counties 43, 47, 48, 79, 86 and  
103.
- 221 *H. hirsutum*.  
35 Monmouth. Ley.  
47 Montgom. Lees.  
53 Linc. south! Fowler.
- 222 *H. montanum*.  
44 Carmarthen. Oakeshott.  
54 Linc. north. Fowler.
- 223 *H. elodes*.  
54 Linc. north! Fowler.  
63 York s. w.! Carr. West.
- 228 *Erodium*  
*cicutarium*.  
32 Northton. Druce.  
80 Roxburgh. Brotherston.  
Also 48 and 103 *cat. auct.*
- 229 *E. moschatum*.  
(31 Hunts.\* Blow.)
- 231 *Geranium pratense*.  
53 Linc. south. Fowler.  
54 Linc. north! Fowler.  
103 Ebudes mid. (Mull). Ross.
- 232 *G. pyrenaicum*.  
54 Linc. north.\* Lees.  
57 Derby. Bailey.  
80 Roxburgh. Brotherston.
- 234 *G. pusillum*.  
53 Linc. south. Lees.  
80 Roxburgh. Brotherston.  
86 Stirling. Duthie.
- 235 *G. molle*.  
Counties 43, 48, 79 and 103.
- 236 *G. dissectum*.  
Counties 43, 48, 79, 86 & 103.
- 238 *G. lucidum*.  
42 Breconshire. Huish.
- 239 *G. Robertianum*.  
Counties 43, 47, 48, 79 & 103.
- 240 *G. sanguineum*.  
86 Stirling. Duthie.
- 243 *Oxalis Acetosella*.  
Cos. 43, 47, 48, 53! 60, 79, 103.
- 245 *Euonymuseuropæus*  
53 Linc. south! Fowler.  
60 Lanc. west. Bailey.

500

- 247 *Rhamnus Frangula*.  
35 Monmouth. Ley.  
54 Linc. north. Lees.
- 248 *Spartium Scoparium*  
Counties 42, 43, 47, 48, 79 & 103.
- 249 *Ulex europæus*.  
Counties 43, 47, 48, 79 & 103.
- 250 *U. eu-nanus*.  
8 Wilts south. Rogers.  
16 Kent west. Groves.  
20 Herts. Blow.  
32 Northton. Druce.  
39 Stafford. Lees.  
63 York s. w. ! West.
- 250 *U. Galii*.  
27 Norf. east. Bailey.
- 251 *Genista tinctoria*.  
32 Northton. Druce.  
43 Radnor. Ley *cat.*  
80 Roxburgh. Brotherston.
- 253 *G. anglica*.  
54 Lincoln north ! Fowler.
- 254 *Ononis arvensis*.  
Counties 48 and 79.
- 255 *O. spinosa*.  
54 Lincoln north. Fowler.
- 256 *O. reclinata*.  
3 Devon s. Rossall. Wild ?
- 257 *Anthyllis vulneraria*.  
31 Hunts. Druce.  
44 Carmarthen. Jones.  
Also 48, 79 and 103 *in cat.*
- 257 *A. Dillenii*.  
2 Cornwall east. Huish.  
13 Sussex east. Warren.
- 259 *Medicago falcata*.  
(70 Cumberlnd.\* Brotherston.)
- 260 *M. lupulina*.  
Counties 47, 48 and 79.
- 261 *M. maculata*.  
11 Hants south. Groves.  
54 Lincoln north. Fowler.
- 262 *M. denticulata*.  
(20 Herts.\* Blow and Groves.)
- 264 *Melilotus officinalis*.  
(80 Roxburgh.\* Brotherston.)
- 265 *M. vulgaris* (alba).  
(Counties 39, 63 and 80 as \*)
- 266 *Trigonella  
ornithopodioides*.  
37 Worcester. Fraser.
- 267 *Trifolium repens*.  
Counties 43, 47, 48, 79 and 103.
- 271 *T. pratense*.  
Counties 42, 43, 47, 48, 79 and  
103.
- 272 *T. medium*.  
Counties 53, 54, 79, 80 and 103.
- 273 *T. hybridum*.  
32 Northton.\* Druce.  
53 Lincoln south. Fowler.
- 274 *T. maritimum*.  
10 Isle of Wight. Groves.
- 275 *T. arvense*.  
32 Northton. Druce.  
69 Weston (Lake Lanc). † Lees.
- 276 *T. scabrum*.  
13 Sussex east. Warren.

- 33 Gloster east. Duthie.  
54 Lincoln north. Fowler.
- 277 *T. striatum*.  
16 Kent west. Groves.  
54 Lincoln north. Lees.  
69 Westm. (Lake Lanc.) Bailey.
- 280 *T. fragiferum*.  
35 Monmouth. Ley.  
64 York mid-west. Parsons.
- 281 *T. procumbens*.  
Counties 35, 43, 48, 79 and 103.
- 282 *T. minus*.  
Counties 32, 35, 42, 43, 47, 48,  
79, 80 and 103.
- 282 *T. filiforme*.  
62 York north-east. Foggitt.  
63 York south-west. Parsons.  
Confirmation.  
80 Roxburgh. Brotherston.
- 283 *Lotus corniculatus*.  
Counties 43, 47, 48, 79 and 103.
- 283 *L. tenuis*.  
11 Hants south. Groves.  
31 Hunts. Blow.  
44 Carmarthen. Jones.  
53 Lincoln south. Lees.  
54 Lincoln north. Fowler.  
61 York south-east. Abbott.  
69 Westm. (Lake Lanc.) Lees.  
80 Roxburgh. Brotherston.
- 284 *L. major*.  
Counties 47, 48, 79, 86 and 103.
- 286 *Astragalus glycyphyllus*.  
54 Lincoln north. Fowler.  
86 Stirling. Duthie.
- 287 *A. hypoglottis*.  
32 Northton. Druce.  
54 Lincoln north. Fowler.
- 291 *Ornithopus perpusillus*.  
44 Carmarthen. Jones.  
54 Lincoln north! Fowler.
- 293 *Hippocrepis comosa*.  
54 Lincoln north! Fowler.
- 294 *Onobrychis sativa*.  
54 Linc. n.† Fowler & Lees.
- 295 *Vicia Orobus*.  
4 Devon north. Husband.  
11 Hants south. Groves.  
43 Radnor. Ley.
- 296 *V. sylvatica*.  
80 Roxburgh. Brotherston.
- 297 *V. Cracca*.  
Counties 42, 43, 47, 48, 79 & 103.
- 298 *V. angustifolia*.  
44 Carmarthen. Jones.
- 299 *V. lathyroides*.  
80 Roxburgh. Brotherston.
- 301 *V. sepium*.  
Cos. 42, 43, 47, 48, 79, 86, 103.
- 303 *V. hirsuta*.  
Counties 35, 43, 47, 48, 54, 79,  
86 and 103.
- 304 *V. tetrasperma*.  
47 Montgomery. Lees.  
103 Eb. mid. (Mull.)† Ross.
- 304 *V. gracilis*.  
6 Somerset north. Fraser.



- 37 Worcester. Fraser.
- 305 *Lathyrus Aphaca*.  
14 Sussex east. Roper.
- 307 *L. hirsutus*.  
(75 Ayr.\* Horn.)
- 308 *L. pratensis*.  
Counties 42, 43, 47, 48, 79  
and 103.
- 310 *L. sylvestris*.  
14 Sussex east. Oakeshott.
- 312 *Orobus tuberosus*.  
Counties 43, 47, 48, 60, 79, 86  
and 103.
- 314 *Prunus spinosa*.  
Counties 43, 47, 48, 79 & 103.
- 315 *P. Padus*.  
54 Lincoln north. Parsons.  
103 Ebudes mid. Ross.
- 316 *P. Avium*.  
Counties 43, 79\*, 86†, & 103\*.
- 317 *Spiræa Ulmaria*.  
Counties 42, 43, 47, 48, 79, 86  
and 103.
- 321 *Geum urbanum*.  
Counties 42, 43, 48, 79 & 103.
- 321 *G. intermedium*.  
6 Somerset north. Parsons.  
8 Wilts south. Rogers.  
80 Roxburgh. Brotherston.
- 327 *Potentilla anserina*.  
Counties 42, 43, 47, 48, 79 & 103.
- 328 *P. argentea*.  
3 Devon south. Rogers.
- 39 Stafford. Fraser.  
80 Roxburgh. Brotherston.
- 329 *P. verna*.  
62 York n. east. Foggitt.
- 330 *P. alpestris*.  
49 Carnarvon. Ley.
- 331 *P. reptans*.  
Counties 48 and 79.
- 332 *P. procumbens*.  
4 Devon north. Rogers.  
54 Lincoln north. Lees.  
61 York south-east. Lees.  
69 Westmoreland. Lees.  
80 Roxburgh. Brotherston.
- 332 *P. Tormentilla*.  
Counties 43, 60, 79 and 103.
- 333 *P. Fragariastrum*.  
Counties 43, 53, 60, 79, 80 & 103.
- 334 *Comarum palustre*.  
53 Lincoln south. Lees.  
86 Stirling. Duthie.
- 335 *Fragaria vesca*.  
Counties 42, 43, 47, 48, 53, 60,  
79, 86 and 103.
- 338 *Rubus saxatilis*.  
34 Gloster west. Ley.  
35 Monmouth. Ley.  
54 Lincoln north. Lees.  
85 Fife. Ex. C. Rep. 1875.  
03 Ebudes mid. Ross.
- 339 *Rubus Idæus*.  
Counties 11, 43, 47, 60, 79, 86  
and 103.
- 339 *R. Leesii*, Bab.  
Counties 4, 5, 38 and 69.

- 340 *R. fruticosus*.  
The divisions for the segregate  
'species' are as follows:
- R. suberectus*, And.  
14 Sussex east. Oakeshott.  
39 Stafford. Fraser.  
63 York south-west. Carr.
- R. fissus*, Lindl.  
38 Warwick. Bagnall.  
54 Lincoln north. Lees.  
63 York south-west. Carr.
- R. affinis*, W. & N.  
38 Warwick. Bagnall.  
54 Lincoln north. Lees.  
63 York south-west. Carr.  
64 York mid-west. Lees.
- R. Lindleianus*, Lees.  
15 Kent east. Blow.  
39 Stafford. Fraser.  
61 York south-east. Parsons.  
64 York mid-west. Lees.
- R. rhamnifolius*, W. & N.  
38 Warw. Bagnall. 3 forms.  
54 Lincoln north. Lees.
- R. imbricatus*, Hort.  
3 Devons. E.C.R.'74. *ramosus*.  
38 Warw. Bagnall. *ramosus*.
- R. incurvatus*, Bab.  
2 Corn e. E. C. Rep. 1876.
- R. thyrsoideus*, Wimm.  
63 York south-west. Carr.
- R. leucostachys*, Sm.  
20 Herts. Blow.  
39 Stafford. Fraser.  
54 Lincoln north. Lees.  
63 York south-west. Carr.  
64 York mid-west. Lees.
- R. Salteri*, Bab.  
38 Warwick. Bagnall. Type.  
54 Lincoln n. Lees. '*calvatus*.'  
64 York m. w. Lees. Type.
- R. carpinifolius*, W. & N.  
38 Warwick. Bagnall.  
39 Stafford. Fraser.  
54 Lincoln north. Lees.
- R. villicaulis*, W. & N.  
3 Dev. s. E. C. R. 1874-5.  
'*adscitus*,' *Genev*.  
64 York m.w. Lees. '*vulgaris*,  
Lind.' *auct. Bloxam*.
- R. macrophyllus*, W.  
38 Warw. Bagnall. 3 vars.  
39 Staf. Fraser. '*amplificatus*.'  
53 Linc. s. Lees. 2 vars.  
54 Linc. n. Lees. '*umbrosus*.'  
63 York south-west. Carr.  
Type and var.  
64 York m.w. Lees. '*umbrosus*.'
- R. mucronulatus*, Bor.  
39 Stafford. Fraser.  
54 Lincoln north. Lees.  
63 York s. w. Carr. '*festivus*.'  
64 York mid-west. Lees.
- R. Sprengelii*, W.  
39 Stafford. Fraser.  
64 York mid-west. Lees.
- R. Bloxamii*, Lees.  
63 York south-west. Carr.
- R. rosaceus*, Weihe.  
38 Warwick. Bagnall.
- R. scaber*, Weihe.  
38 Warwick. E. C. Rep. 1876.
- R. pygmæus*, Weihe.  
64 Yk. m.w. Webster. *Fide* Bab.

- R. rudis**, Weihe.  
38 Warwick. Bagnall
- R. radula**, Weihe.  
3 Dev. s. E. C. R. '74.  
38 Warw. Bagnall. 3 forms.
- R. Kœhleri**, Weihe.  
2 Corn. east. E. C. R. 1876.  
38 Warw. Bagnall. And vars.  
63 Yk. s.w. Parsons. '*pallidus*.'
- R. Briggsii**, Blox.  
38 Warw. Bagnall. '*Bagnalli*.'
- R. diversifolius**, Ld.  
63 York south-west. Carr.  
64 York mid-w. F. A. Lees.  
86 Stirling. Croall.
- R. pyramidalis**, Bab.  
2 Corn. east. E. C. R. 1876.  
3 Devon south. E. C. R. '76.  
38 Warwick. E. C. R. 1876.  
49 Carnarvon. E. C. R. 1871.  
69 Westm. Baker in E. C. R. '71.
- R. Lejeunii**, W.  
39 Stafford. Fraser.
- R. Guntheri**, W.  
15 Kent east. Blow.  
39 Stafford. Fraser.
- R. humifusus**, W.  
63 York south-west. Carr.
- R. atro-rubens**, Wirt.  
15 Kent east. Blow.  
38 Warwick. Bagnall.  
63 York south-west. Carr.
- R. glandulosus**, Bell.  
34 Gloster west. Ley.  
39 Stafford. Fraser.  
63 York s.w. Carr. '*dentatus*.'
- R. corylifolius**, Sm.  
38 Wrw. Bagnall. '*spinosis*' &c.  
63 York south-west. Carr. 2 vars.
- R. cæsius**, L.  
57 Derby. Bailey.  
80 Roxb. Brotherston. Vars.
- 341 **Rosa spinosissima**.  
42 Brecon. Ley.  
(Also 60, 79 and 103 on authority of *cat.*.)
- 343 **R. Sabini**.  
39 Stafford. E. C. R. 1872 & 1876. '*Smithii*.'  
84 Linlithgow. C. Christie. '*Smithii*.'
- R. pomifera**, Herrm.  
80 Roxburgh†. Brotherston.
- 344 **R. mollissima**, Fr.  
11 Hants south. T. Groves.  
20 Herts. Blow.  
32 Northampton. Druce.  
36 Hereford. Ley.  
37 Worcester. Lees.  
38 Warwick. Bagnall.  
42 Brecon. Ley.  
44 Carmarthen. Jones.  
47 Montgomery. Ley.  
54 Linc. north. Lees.  
80 Roxburgh. Brotherston.  
86 Stirling. Croall.
- 345 **R. tomentosa**, Sm.  
26 Suffolk w. Ch. Babington.  
54 Lincoln north. Lees.  
60 Lanc. west! Lees.  
61 York south-east. Parsons.  
80 Roxburgh. Brotherston.  
(Also 43, 79 and 103 on the authority of catalogues, but not specimens.)

- 349 *R. micrantha*.  
 11 Hants south. H. Groves.  
 16 Kent west. Groves.  
 30 Bedford. Blow.  
 80 Roxburgh. Brotherston.  
 81 Berwick. Brotherston.
- 350 *R. rubiginosa*.  
 16 Kent west. J. Groves.
- 350 *R. canina*.  
 The counties and vice-counties reported for the Bakerian segregates in the Reports of the Exchange and Record Clubs are so far from complete that it is not thought worth while summarising them until the second Quinquennial Report.
- 352 *R. systyla*.  
 2 Cornw. e. E. C. Rep. '75.  
 11 Hants south. Groves.  
 16 Kent west. J. Groves.  
 63 York south-west! Lees.
- 353 *R. arvensis*.  
 61 York south-east. Parsons.  
 53 Lincoln south! Fowler.  
 81 Berwick. Brotherston.
- 354 *Agrimonia odorata*.  
 11 Hants south. Marquand.  
 15 Kent e. Ex. C. Rep. 1875.
- 354 *A. Eupatoria*.  
 Counties 47, 48, 79, 86, & 103.
- 356 *Alchemilla vulgaris*.  
 26 Suffolk west. Jordan.  
 Also 43, 48, 60, 79 and 103, on authority of catalogues.
- 357 *A. alpina*.  
 03 Ebudes mid. (Mull.). Ross.
- 358 *A. arvensis*.  
 Counties 43, 48, 79, 86 & 103.
- 360 *Cratægus oxyacanthoides*, Thuil.  
 17 Surrey. Watson. E.C.R.'72.  
 53 Lincoln south.† Lees.  
 54 Lincoln north. Lees.  
 55 Leicester. Ley.  
 57 Derby.† Bailey. Two locs.  
 58 Cheshire. E. C. Rep. '76.  
 62 York n. e.† Lees. 'Mulgrave Woods.'  
 66 Durham.† Lees.
- 362 *Pyrus communis*.  
 2 Cornwall east. E. C. R. 1874. 'Briggsii.'  
 3 Dev. s. E.C.R.'76. 'Briggsii.'  
 54 Lincoln north. Lees.
- 363 *P. Malus*.  
 35 Monmouth. Ley. 'Acerba.'  
 (Also counties 43, 48 and 79 queried by Farquharson in catalogue.)
- 365 *P. Aria*, Hook.  
 32 Northton.\* Druce.  
 34 Gloster west. Ley.
- 365 *P. rupicola* (*segregate*).  
 39 Stafford. Fraser.  
 42 Brecon. E. C. R. '72-4.  
 60 Lanc. west. Bailey.  
 61 York s. east.\* Parsons.  
 66 Durham. Lees.  
 69 Wstm. & Lake Lanc. Bailey.  
 81 Berwick. Brotherston.
- 365 *P. latifolia* (*scandica*).  
 34 Gloster west. Ley.  
 35 Monmouth. Ley.
- 366 *P. Aucuparia*.  
 Cos. 43, 47, 48, 60, 79, 86 & 103.

- 367 *Epilobium angustifolium*.  
32 Northton.\* Druce.  
53 Linc. s. Lees. 'Hykeham.'  
61 York south-east. Lees.  
(Also 43, 47, and 79 in *cats*.)
- 368 *E. hirsutum*.  
Counties 43, 53, 79 and 86.
- 369 *E. parviflorum*.  
Counties 79, 86, & 103 in *cats*.
- 370 *E. montanum*.  
Counties 42, 43, 47, 48, 79 & 103.
- 372 *E. palustre*.  
Counties 42, 46, 54, 79, 86 & 103
- 373 *E. eu-tetragonum*.  
11 Hants south. Groves.  
18 Essex s. Blow & Groves.  
20 Herts. Blow.  
54 Lincoln north. Fowler.
- 373 *E. obscurum*.  
9 Dorset. Mansel-Pleydell.  
20 Herts. Blow.  
53 Lincoln south. Fowler.  
54 Lincoln north. Fowler.  
63 York south-west! Lees.
- 377 *Circœa lutetiana*.  
44 Carmarthen. Jones.  
47 Montgomery. Ley.  
48 Merioneth. Ley.  
53 Lincoln south! Fowler.  
Also 43, 47, 48, 79, 86 and 103  
in *catalogues*.
- 377 *C. intermedia*.  
81 Berwick. Brotherston.
- 378 *C. alpina*.  
65 York north-west. Lees. In  
the West Riding, but that
- Northern corner near How-  
gill slate fells, included by  
H. C. Watson in vice-  
county 65.
- 03 Ebudes mid. Ross *cat*.
- 81 *Myriophyllum spicatum*.  
Counties 32, 34, 42 and 53!
- 379 *Hippuris vulgaris*.  
53 Lincoln south. Fowler.
- 382 *M. alterniflorum*.  
80 Roxburgh. Brotherston.
- 384 *Callitriche platycarpa*.  
Counties 47, 48, 54 and 86.
- 383 *C. obtusangula*.  
1 Corn. w. (Scilly.) Tellam.  
3 Devon s. Rogers & Briggs.  
11 Hants south. Groves.  
15 Kent east. Duthie.  
16 Kent west. Groves.  
17 Surrey. Groves.  
20 Herts. Blow.  
21 Middlesex. Groves.  
29 Cambridge. Bab. & Blow.  
34 Gloster. w. E. C. R. '72-4.  
54 Lincoln north. Lees.  
58 Cheshire. E. C. R. 1876.
- 385 *C. hamulata*.  
Counties 11 and 20.
- 386 *C. autumnalis*.  
80 Roxburgh. Brotherston.
- 388 *Ceratophyllum aquaticum*.  
53 Lincoln south. Lees.  
61 York south-east. Parsons.  
63 York south-west. Parsons.  
64 York mid-west. Abbott.

- 388 *C. demersum*.  
 17 Sur. E. C. R. } To indic.  
 '1872 to 1874.' } segreg.  
 20 Herts. Blow. }
- 388 *C. submersum*.  
 14 Sussex e. Roper.  
 15 Kent east. Blow.
- 390 *Lythrum Salicaria*.  
 79 Selkirk. Soutter.  
 (Also 47, 48, and 103 on *catalogue* authority.)
- 391 *Peplis Portula*.  
 Counties 32, 35, 48, 54, 79, 86  
 and 103.
- 399 *Scleranthus annuus*.  
 54 Lincoln north. Fowler.  
 79 Selkirk. Farquharson *cat.*
- 401 *Ribes nigrum*.  
 (Counties 11, 54 & 79, but alien.)
- 405 *R. alpinum*.  
 (Counties 80 and 81, not wild.)
- 406 *R. grossularia*.  
 (Counties 43, 54, 60, but alien.)
- 409 *Sedum Telephium*.  
 43 Radnor. Ley. *cat.*  
 54 Lincoln north.† Fowler.
- 410 *S. villosum*.  
 79 Selkirk. Farquharson *cat.*  
 80 Roxburgh. Brotherston.
- 412 *S. anglicum*.  
 47 Montgomery. Ley.  
 65 York north-west. Lees.  
 The locality is in the West  
 Riding, but on the slate falls  
 of that north-west corner,
- north of Sedbergh, taken as a  
 part of the north-west vice-  
 county by Mr. Watson.  
 86 Stirling. Duthie.
- 414 *S. acre*.  
 Counties 42, 43 and 103.
- 416 *S. Forsterianum*.  
 5 Som. s. Flower. To nega-  
 tive the doubt expressed in  
*Top. Bot.*
- 418 *Cotyledon*.  
*Umbilicus*.  
 32 Northampton. Druce. To  
 remove Qy. in *Top. Bot.*  
 54 Lincoln south.† Fowler.
- 425 *Saxifraga aizoides*.  
 03 Ebudes mid. Ross.
- 426 *S. oppositifolia*.  
 65 York north-west! Lees. In  
 that part—Howgill Fell—of  
 W. Riding considered as one  
 with v.-co. of n.w. Yrk. proper.
- 427 *S. granulata*.  
 6 Somerset north. Flower.  
 Counties 43 and 79 *cat. auct.*
- 429 *S. rivularis*.  
 96 Easterness. Ley.
- 430 *S. tridactylites*.  
 43 Radnor. Ley *cat.*  
 54 Lincoln north. Fowler.
- 431 *S. hypnoides*.  
 98 Argyle, main. Alcock.
- 432 *S. sponhemica*.  
 48 Merioneth. Ley.  
 49 Carnarvon. Ley.

- 434 *Chrysosplenium oppositifolium*.  
Counties 43, 47, 48, 53, 54, 60,  
79, 86 and 103.
- 435 *C. alternifolium*.  
54 Linc. north. Lees. 1878!  
80 Roxburgh. Brotherston.  
86 Stirling. Croall.
- 436 *Parnassia palustris*.  
53 Lincoln north! Fowler.
- 438 *Hedera Helix*.  
Counties 42, 43, 47, 48, 79, 86  
and 103.
- 439 *Cornus sanguinea*.  
44 Carmarthen. Jones.
- 441 *Hydrocotyle vulgaris*.  
Counties 32, 43, 47, 48, 54, 60,  
79, 80, 86 and 103.
- 442 *Sanicula europæa*.  
Counties 42, 43, 60, 79 and 86.
- 445 *Eryngium campestre*.  
15 Kent east. E. C. R. 1875.
- 446 *Conium maculatum*.  
Counties 47, 48, 79 and 103.
- 448 *Smyrniolum Olusatrum*.  
36 Hereford.\* Ley.
- 450 *Apium graveolens*.  
63 York south-west. Parsons.  
Native. 'Goole.'  
64 York mid-west.\* Parsons.  
Escapes in this vice-county.  
87 Perth w. E. C. R. '72-4.
- 454 *Helosciadium repens*, *Schultz.*  
61 York south-east! Parsons.
- 456 *Sison Amomum*.  
70 Cumb. E. C. R. 1872-4.
- 457 *Ægopodium Podagraria*.  
Counties 43, 60, 79 and 103.
- 458 *Carum Carui*.  
36 Hereford. Ley. 'Native!'  
63 York south-west.\* Parsons.  
Established.  
66 Durh.\* Lees. Naturalised.
- 461 *Bunium flexuosum*.  
Counties 43, 53, 79, 80 and 86.
- 462 *Pimpinella Saxifraga*.  
Counties 47, 48 and 79.
- 463 *P. magna*.  
80 Roxburgh † Brotherston.  
'Introduced?'
- 464 *Sium latifolium*.  
53 Lincoln south! Fowler.  
63 York south-west! Parsons.  
64 York mid-west. Parsons.
- 465 *S. angustifolium*.  
Counties 11 and 42.
- 469 *Bupleurum rotundifolium*.  
(80 Roxburgh.\* Brotherston.)
- 470 *Oenanthe fistulosa*.  
35 Monmouth. Ley.
- 471 *O. pimpinelloides*.  
8 Wilts south. Rogers.

- 471 **OE. Lachenalii.**  
17 Surrey. Warren. Watson.  
53 Linc. s. ! Fowler. Lees.
- 473 **OE. crocata.**  
Counties 43, 47, 48, 60, 86 & 103.
- 475 **Æthusa Cynapium.**  
86 Stirling. Duthie.  
Also 43, 47 & 79 *cat. auct.*
- 478 **Silaus pratensis.**  
53 Lincoln south. Fowler.
- 482 **Angelica sylvestris.**  
Counties 43, 47, 48, 79, 86 & 103.
- 484 **Peucedanum  
palustre.**  
28 Norfolk west. Bray.  
54 Lincoln n. Fowler *spn.!*
- 486 **Pastinaca sativa.**  
53 Lincoln south. Fowler.  
54 Linc. n. ! Fowler. Native.  
61 York south-east. Lees.
- 487 **Heracleum  
Sphondylium.**  
Counties 42, 43, 47, 48, 79 & 103.
- 488 **Tordylium  
maximum.**  
18 Essex south. † Crespigny.  
A Casual ?
- 489 **Daucus Carota.**  
Counties 42, 43, 47, 48, 79 & 103.
- 490 **D. gummifer.**  
13 Sussex west. Warren.  
61 York south-east. Parsons.
- 491 **Caucalis daucoides.**  
(Gloster. E. C. R. '68. Casual ?)  
38 Warw. E. C. R. '75. Casual ?
- 493 **Torilis Anthriscus.**  
Counties 42, 43, 47, 48, 79 and  
103.
- 495 **T. nodosa.**  
80 Roxburgh. Brotherston.
- 496 **Scandix Pecten.**  
Counties 42, 43 and 86.
- 497 **Anthriscus vulgaris.**  
37 Worcester. Lees.  
54 Lincoln north. Fowler.  
60 Lanc west ! Linton *cat.*  
80 Roxburgh. Brotherston.
- 498 **A. sylvestris.**  
Counties 43 and 79 in *cat.*
- 500 **Chærophyllum  
temulentum.**  
Counties 43, 47, 48 and 79.
- 501 **Myrrhis odorata.**  
42 Breconshire. Ley *cat.*  
54 Lincoln north. † Fowler.
- 503 **Viscum album.**  
13 Sussex west. Warren.  
41 Glamorgan. Lees.
- 504 **Sambucus nigra.**  
Counties 42, 43, 47, 48, 79 and  
103.
- 506 **Viburnum Opulus.**  
Counties 43, 47 and 103.
- 507 **V. Lantana.**  
35 Monmouth. Lees.  
61 York south-east. † Parsons.
- 508 **Lonicera  
Periclymenum.**  
Counties 43, 47, 48, 79, 86 and  
103.



512 *Rubia peregrina*.  
11 Hants south. Groves.  
44 Carmarthen. Jones.

513 *Galium verum*.  
Counties 43, 47, 48, 79 & 103.

513 *G. ochroleucum*.  
3 Devon s. E. C. R. 1865.  
15 Kent e. E. C. Rep. 1875.  
20 Herts. Blow.

514 *G. cruciatum*.  
Counties 43, 79 and 103.

515 *G. palustre*.  
Counties 42, 43, 48, 49, 79 & 103.

516 *G. uliginosum*.  
54 Lincoln north. Lees.  
86 Stirling. Croall.

517 *G. saxatile*.  
Cos. 43, 47, 48, 60, 79, 86, 103.

518 *G. erectum*.  
20 Herts. Blow.  
40. Salop.† Jones.  
63 York s.w.† Amos Carr sp.!

522 *G. tricornis*.  
3 Devon s.† Rogers. A Col.?  
59 Lanc. s.\* Lewis. Casual.

523 *G. Aparine*.  
Counties 42, 43, 47, 48, 79 & 103.

526 *Sherardia arvensis*.  
Counties 43, 48, 79, 86 & 103.

527 *Asperula odorata*.  
Counties 47, 60, 79, 86, 103.

528 *A. cynanchica*.  
34 Gloucester west. Ley.

531 *Valeriana dioica*.  
5 Somerset south. Lees.  
(Also 60 and 79 on *cat. auth.*)

532 *V. officinalis*.  
(*sambucifolia*).  
Counties 42, 47, 53, 60, 79, 86  
and 103.

534 *Fedia olitoria*.  
Counties 45, 53! and 103.

537 *F. dentata*.  
81 Berw. Brotherston.. 'Col.'

538 *F. carinata*.  
1 Cornw. w. E. C. Rep. '76.  
2 Cornw. e. E. C. Rep. '76.  
3 Devon s. E. C. Rep. '75.

540 *Dipsacus pilosus*.  
53 Lincoln south. Fowler.  
54 Lincoln north. Lees.

541 *Scabiosa succisa*.  
Counties 42, 47, 48, 79, 86  
and 103.

542 *S. columbaria*.  
5 Somerset south. Lees.

546 *Helminthia*  
*echioides*.  
44 Carmarthen. Jones.  
53 Lincoln south. Fowler.  
80 Roxb.\* Brotherston. Intro-  
duced.

547 *Picris hieracioides*.  
16 Kent west. Groves.  
32 Northampton. Druce.  
50 Denbigh. Bailey. To con-  
firm the co. rec. in *Top. Bot.*  
80 Roxburgh.\* Brotherston.  
'Arvalis.'

- 550 *Leontodon autumnalis*.  
85 Monmouth Ley.  
(Also in 43, 79, 86 and 103 on *cat.* authority.)
- 551 *Hypochæris glabra*.  
59 Lanc. south. Lewis.
- 553 *H. radicata*.  
Counties 43, 47, 48, 60 & 79.
- 554 *Lactuca virosa*.  
2 Cornwall east. Tellam.  
54 Linc. north! Fowler.
- 557 *L. muralis*.  
3 Devon south. Rossall.  
54 Lincoln north. Fowler.  
81 Berw. Brotherston 'native'!  
Also 43, 47 and 60 on *cat.* auth.
- 559 *Sonchus arvensis*.  
Counties 47, 48, 79 86 & 103.
- 563 *Crepis virens*.  
80 Roxburgh.† Brotherston.  
Also 47, 48, 79 and 103 on *cat.* authority.
- 563 *C. nicæensis*, Balb.  
3 Dev. s.\* E. C. Rep. '72-4.  
64 York mid-west.† Foggitt.  
80 Roxburgh. Brotherston.
- 564 *C. biennis*.  
66 Dur.† Robson & Soutter.  
80 Roxburgh.† Brotherston.
- 567 *C. paludosa*.  
Counties 47, 60, 79 and 86  
on catalogue authority.
- 568 *Hieracium Pilosella*.  
Counties 43, 47, 48, 79 & 103.
- 569 *H. pratense*, Tausch.  
collinum, Fr.,  
dubium, Bab. Man.  
83 Edin.† Cr.-Christie. Wild?  
95 Elgin. Keith spn. ! (E. C.  
Rep. 1870).
- 573 *H. vulgatum*.  
34 Gloster west. Ley.  
03 Ebudes mid. Ross.
- 575 *H. cæsium*, Fr.  
70 Cumberland. Ley.  
The Snowdon plants recorded  
as this sp. in 1876 Report  
are declared by Dr. Boswell  
to be pallidum.
- 575 *H. pallidum*.  
4 Devon north. Mott.  
49 Carnarvon. Ley.  
80 Roxburgh. Brotherston.  
81 Berwick. Brotherston.
- 576 *H. anglicum*.  
03 Ebudes mid. (Mull). Ross.
- 579 *H. prenanthoides*.  
42 Breconshire. Ley.
- 580 *H. crocatum*.  
48 Merioneth. Ley.  
79 Selkirk. Brotherston.  
80 Roxburgh.\* Brotherston.  
03 Ebudes mid. (Mull). Ross.
- 581 *H. strictum*.  
03 Eb. mid. Ross. 'rigidum.'  
11 Orkney. E. C. Rep. '76.
- 581 *H. Dewari*, Syme.  
86 Stirling. E. C. Rep. '76.  
87 Perth w. E. C. Rep. '76.  
99 Dunbarton. E. C. Report,  
1876.

582 *H. tridentatum*.  
44 Carmarthen. Ley.  
48 Merioneth. Ley.

584 *H. umbellatum*.  
97 Worcester. Lees.  
54 Lincoln north. Lees.  
63 York south-west. Parsons.  
80 Roxburgh. Brotherston.  
Also counties 47, 48, 60 on *cat.*  
authority.

584 *H. boreale*.  
Counties 26, 47, 48, 54, 60, 63  
and 79.

586 *Barkhausia*  
*taraxacifolia*.  
15 Kent east. Blow.  
20 Herts. Blow.  
32 Northampton. † Druce.  
80 Roxburgh.\* Brotherston.

588 *Taraxacum*  
*erythrospermum*.  
20 Herts. Blow.

588 *T. officinale*.  
Counties 42, 43, 47, 48, 79  
and 103.

590 *Lapsana communis*.  
Counties 43, 47, 48, 79 and 103.

592 *Arctium majus*.  
11 Hants south. Groves.  
30 Bedford. Blow,  
34 Gloster west. Ley.  
53 Lincoln south. Fowler.  
54 Linc. n. Fowler & Lees.  
63 York south-west. Lees.

592 *Arctium minus*.  
Counties 11, 30, 34, 42, 43, 47,  
48, 53 & 54.

592 *A. intermedium*, Bab.  
3 Dev. s. E. C. Rep. '72-4.  
17 Surrey. Groves.  
21 Middlesex. Blow.  
44 Carmarthen. Oakeshott.

592 *A. nemorosum*, Lej.  
15 Kent east. Blow.  
20 Herts. Blow.

593 *Saussurea alpina*.  
48 Merioneth. Backhouse.  
09 Caithness. G. Horn.

594 *Serratula tinctoria*.  
54 Lincoln north! Fowler.

597 *Carduus tenuiflorus*.  
20 Herts. Warren.

599 *C. lanceolatus*.  
Counties 43, 47, 48, 79 & 103.

601 *C. palustris*.  
Counties 42, 43, 47, 48, 79  
and 103.

602 *C. arvensis*.  
Counties 42, 43, 47, 48, 79  
and 103.

604 *C. pratensis*.  
54 Lincoln north! Fowler.

605 *C. tuberosus*.  
7 Wilts north. Preston.

606 *C. acaulis*.  
3 Dev. s. Rossall. Confirmn.  
53 Linc. south. Fowler.  
63 York south-west! Carr.

607 *C. heterophyllus*.  
79 Selkirk. Farquharson.  
03 Ebudes mid. (Mull.) Ross.

- 608 *Onopordum Acanthium*.  
63 York s. w.\* Parsons. Alien.
- 609 *Carlina vulgaris*.  
32 Northton. Druce.  
35 Monmouth. Ley.  
79 Selkirk. Farquharson.
- 611 *Centaurea nigra*.  
Counties 43, 47, 48, 79 & 103.
- 612 *C. Cyanus*.  
54 Lincoln north. Fowler.
- 615 *C. Calcitrapa*.  
(63 York s. w. West. Casual.)
- 617 *Bidens cernua*.  
44 Carmarthen. Jones.  
54 Lincoln north. Fowler.  
64 York mid-west. Less.
- 618 *B. tripartita*.  
45 Pembroke. Jones.  
54 Lincoln north. Fowler.
- 619 *Eupatorium cannabinum*.  
Counties 47, 48, 60 and 86 on authority of catalogues.
- 621 *Artemisia vulgaris*.  
Counties 43, 48, 79, 86 & 103.
- 624 *A. maritima*.  
53 Linc. south. Fowler.
- 627 *Gnaphalium dioicum*.  
54 Linc. north. Fowler.  
99 Dunbarton. Alcock.
- 630 *G. sylvaticum*.  
Counties 54, 60, 79, 86 & 103.
- 632 *G. uliginosum*.  
Counties 48, 79 86, and 103.
- 634 *Filago minima*.  
Counties 54, 79 and 86.
- 635 *F. spathulata*.  
11 Hants south. Groves.
- 635 *F. eu-germanica*.  
Counties 43, 79 and 86.
- 636 *Petasites vulgaris*.  
Counties 43, 79, 86 & 103.
- 637 *Tussilago Farfara*.  
Counties 42, 43, 47, 48, 79, 86 (a *var.*) and 103.
- 639 *Erigeron acris*.  
53 Lincoln south. Fowler.
- 641 *Aster Tripolium*.  
Counties 53, 63, 86 and 103.
- 642 *Solidago Virgaurea*.  
Counties 43, 44, 47, 48, 53! 54! 79, 86 and 103.
- 643 *Senecio vulgaris*.  
Counties 43, 47, 48, 79 & 103.
- 644 *S. sylvaticus*.  
Counties 35, 47, 48, 60, 79, 86 and 103.
- 645 *S. viscosus*.  
69 Westm. (Walney Is.) Lees.
- 647 *S. erucifolius*.  
35 Monmouth. Ley.  
80 Roxburgh. Brotherston.
- 648 *S. Jacobæa*.  
Counties 43, 47, 48, 79 & 103.

- 648 *S. aquaticus*.  
Counties 35! 43, 47, 48, 79, 86  
and 103.
- 652 *Cineraria*  
*campestris*.  
53 Lincoln south. Streatfeild  
*spn.* 1873.
- 656 *Inula Conyza*.  
54 Lincoln north. Lees.
- 658 *I. dysenterica*.  
47 Montgomery. Ley.
- 661 *Chrysanthemum*  
*segetum*.  
31 Hunts. Blow.  
(Also 47, 48, 86 and 103 on *cat.*  
authority).
- 662 *C. Leucanthemum*.  
Counties 43, 47, 48, 79 & 103.
- 663 *C. Parthenium*.  
Counties 43, 47, 48, 54! and 79,  
all Alien.
- 664 *Tanacetum vulgare*.  
54 Lincoln north! Fowler.  
Native in some localities, I  
think; but as certainly an  
escape in many others.  
(Also counties 43, 47, 48, 60  
and 103 on *cat.* authority).
- 665 *Matricaria inodora*.  
Counties 47, 48, 79, 86 & 103.
- 666 *M. Chamomilla*.  
80 Roxb.\* Brotherston. Casual.  
(Also counties 48, 60 and 86\*  
on *cat.* authority).
- 668 *Anthemis arvensis*.  
54 Linc, north! Allen *spn.*
- 669 *A. Cotula*.  
35 Monmouth. Ley.
- 670 *Achillea Ptarmica*.  
Counties 47, 48, 79, 86 & 103.
- 671 *A. millefolium*.  
Counties 43, 47, 48, 79 & 103.
- 675 *Campanula*  
*rotundifolia*.  
Counties 5, 43, 47, 48, 79 and  
103.
- 678 *C. latifolia*.  
Counties 60 (Linton) and 79  
on *cat.* authority.
- 680 *C. Trachelium*.  
43 Radnor. Ley.  
53 Lincoln south. Fowler.  
54 Lincoln north! Fowler.
- 681 *C. glomerata*.  
5 Somerset south. Lees.  
34 Gloster west. Ley.
- 684 *C. hybrida*.  
54 Lincoln north. Fowler.  
68 Cheviotlnd.† Brotherston.
- 687 *Jasione montana*.  
54 Lincoln north! Fowler.  
Truly wild on the sandy  
heaths of the Greensand,  
although I appended † to it  
when Mr. Fowler sent it me  
from the Oolite. F. A. L.  
60 Lanc. west! Linton.  
Also Counties 42, 43, 47, 48  
on authority of Ley's cata-  
logues in 1874-5.
- 689 *Lobelia*  
*Dortmanna*.  
08 Ebudes mid. (Mull). Ross.

1560

- 690 **Erica Tetralix.**  
 54 Lincoln north! Fowler.  
 60 Lanc. west. Lees.  
 Also Counties 43, 47, 48, 79  
 and 103 by *cats.*
- 692 **E. cinerea.**  
 32 Northton. Druce.  
 54 Lincoln north! Fowler.  
 60 Lanc. west. Lees.  
 Also 47, 48, 79 & 103 by *cats.*
- 695 **Calluna vulgaris.**  
 Counties 43, 47, 48, 54, 60!  
 79 and 103.
- 699 **Andromeda polifolia.**  
 44 Carmarthen. Jones.
- 701 **Arbutus Uva-ursi.**  
 57 Derby. Whitehead. Confir.
- 704 **Vaccinium**  
**Myrtillus.**  
 Counties 43, 47, 48, 60! 79 and  
 103 on authority of *cats.*  
 Not yet detected in N. Lincoln  
 by myself or Mr. Fowler,  
 though specially looked-out  
 for during two seasons. It  
 may of course survive in  
 some moory place, yet it  
 must be very rare.
- 705 **V. Vitis-idaea.**  
 35 Monmouth. Ley.  
 60 Lanc. west. Lees.  
 Also 79 and 103 on *cat.* auth.
- 706 **V. Oxycoccus.**  
 Cos, 47, 60 and 103 on *cat.* auth.
- 708 **Pyrola media.**  
 64 York mid-west. Foggitt  
 69 Westmoreland. Lees.
- 709 **P. minor.**  
 14 Sussex west. Roper.  
 54 Lincoln north. Lees.  
 86 Stirling. Croall.  
 08 Sutherland. Horn.
- 710 **P. secunda.**  
 35 Monmouth. Ley.
- 713 **Ilex aquifolium.**  
 Counties 43, 47, 48, 53! 60  
 and 79.  
 Not seen by Croall in 86, nor by  
 Ross in 103.
- 715 **Fraxinus excelsior.**  
 Cos. 42, 43, 47, 48, 79 & 103.
- 718 **Gentiana verna.**  
 69 Westmoreland! Todd.
- 719 **G. Pneumonante.**  
 64 York m.w. Parsons. Fowler.  
 This vice-county has so far  
 rested on a mis-localisation.  
 The "Kingsley sp." of *Top.*  
*Bot.* was from a station near  
 York outside the West  
 Riding.
- 721 **G. Amarella.**  
 44 Carmarthen. Jones.
- 722 **G. campestris.**  
 6 Som. n. Parsons. Cnfinn.  
 14 Sussex east. Roper.  
 Also 79 and 86, *cat. auct.*
- 724 **Erythræa**  
**Centaurium.**  
 Counties 47, 48, 60 and 103
- 725 **Chlora perfoliata.**  
 44 Carmarthen. Jones.  
 66 Durham.† Robson.

- 727 *Menyanthes trifoliata*.  
 34 Gloster west. Ley.  
 53 Lincoln south. Lees.  
 Also 79, 86 and 103 *cat. auct.*
- 729 *Convolvulus arvensis*.  
 Counties 60 and 103 (Ross *cat.*)
- 730 *C. sepium*.  
 48 Merioneth. Ley.  
 86 Stirling. Croall. Wild?  
 03 Eb. m. (Mull.) Ross. Wild?
- 731 *C. Soldanella*.  
 5 Somerset south. Huish.  
 44 Carmarthen. Jones.
- 732 *Cuscuta europæa*.  
 63 York s.w.† Roberts *sp.*  
 on Vetch.  
 80 Roxb.† Brotherston. On  
*Vicia*.
- 735 *C. Trifolii*. Bab.  
 1 Corn. w. Curnow. Wild.  
 3 Devon s. E. C. Rep. '66.  
 8 Wilts south.\* Rogers.  
 13 Sus. w. Warren. On nettle.  
 24 Bucks. E. C. Rep. '67.  
 26 Suffolk west. Ch. Bab.  
 32 Northton. Druce.  
 54 Lincoln north. Fowler.  
 63 York south-west. Parsons.  
 64 York mid-west. Abbott. On  
 clover amongst Flax.  
 85 Fife. E. C. Rep. 1870  
 87 Perth w. E. C. Rep. '70.
- 737 *Solanum nigrum*.  
 48 Merioneth. Ley *cat.*  
 54 Lincoln north.† Fowler.
- 738 *S. Dulcamara*.  
 86 Stirling. Croall.
- 739 *Atropa Belladonna*.  
 7 Wilts north. Flower.  
 61 York south-east. Parsons.
- 740 *Verbascum Thapsus*.  
 54 Lincoln north. Fowler.
- 741 *V. Lychnitis*.  
 39 Stafford. Fraser.
- 743 *V. nigrum*.  
 63 York s.w.\* West *spn.* Den.
- 744 *V. virgatum*.  
 24 Bucks.\* E. C. Rep. '67.  
 32 Northton.\* Druce.
- 744 *V. Blattaria*.  
 11 Hants south.\* E. C. R. '71.
- 747 *Veronica arvensis*.  
 Counties 43, 47, 48, 79 and 103.
- 750 *V. eu-serpyllifolia*.  
 Counties 43, 47, 48 and 79
- 750 *V. humifusa*.  
 49 Carnarv.? Yes. Ley *spn.*
- 753 *V. scutellata*.  
 Counties 32, 54, 79, 86 and 103.
- 755 *V. Beccabunga*.  
 Counties 42, 43, 79, 86 and 103.
- 756 *V. officinalis*.  
 Counties 35, 43, 60!, 79 & 103.
- 759 *V. hederifolia*.  
 53 Lincoln south. Fowler.
- 761 *V. polita*.  
 Counties 30, 35, 47, 48 and 80.
- 762 *V. Buxbaumii*.  
 16 Kent west.† Groves.

- 30 Bedford.\* Blow. Groves.  
 35 Monmouth.\* Ley.  
 48 Merioneth. Ley.  
 50 Denbigh.\* Bailey.  
 53 Lincoln south.† Fowler.  
 54 Lincoln north.† Fowler.  
 69 Westmorland.\* Bailey.  
 80 Roxburgh.\* Brotherston.
- 764 *Bartsia viscosa*.  
 44 Carmarthen. Jones.
- 765 *B. Odontites*.  
 Counties 47, 48, 79, 86 and 103.
- 766 *Euphrasia officinalis*  
 Counties 47, 48, 79, 86 and 103.
- 767 *Rhinanthus*  
*Crista-galli*.  
 Counties 43, 47, 48, 79, 86 & 103.
- 767 *R. major*, Ehrh.  
 54 Lincoln north.† Fowler.
- 770 *Melampyrum*  
*pratense*.  
 53 Lincoln south! Fowler.  
 Also 43, 47, 48, 60, 79 and 103,  
*cat. auct.*
- 772 *Pedicularis palustris*  
 Counties 43, 47, 48, 53, 60, 79,  
 86 and 103.
- 773 *P. sylvatica*.  
 Counties 60, 79, 86 and 103
- 774 *Scrophularia nodosa*  
 Cos. 43, 47, 48, 79, 86 and 103.
- 776 *S. Scorodonia*.  
 4 Dev. n. (Lundy Is.) Rogers.
- 778 *Digitalis purpurea*.  
 Cos. 43, 47, 48, 53, 60, 79, 103.
- 780 *Antirrhinum*  
*Orontium*.  
 14 Sussex east.† Warren.  
 53 Chester.\* Ward.  
 80 Roxburgh.† Brotherston.
- 782 *Linaria spuria*.  
 38 Warwick. Bagnall.  
 53 Lincoln south. Fowler.
- 783 *L. Elatine*.  
 53 Lincoln south! Fowler.  
 54 Lincoln north. Fowler.
- 785 *L. vulgaris*.  
 Counties 43, 47, 48, 79 and 86.
- 787 *L. minor*.  
 42 Breconshire. Ley.  
 44 Carmarthen.† Jones.
- 788 *Limosella aquatica*.  
 63 York south-west. Parsons.
- 793 *Orobanche eu-minor*  
 45 Pemb. Jones. Confirmn.
- 793 *O. Hederæ*.  
 44 Carmarthen. Jones.
- 797 *Lathræa squamaria*.  
 34 Gloster west. Ley.  
 35 Monmouth. Lees.  
 79 Selkirk. Farquharson *cat.*
- 798 *Verbena officinalis*.  
 31 Hunts. Blow.  
 (Also cos. 47 & 48 in Ley's cats.)
- 799 *Salvia Verbenaca*.  
 13 Sussex west. Warren.
- 802 *Mentha*  
*alopecuroides*.  
 17 Surrey.† E. C. R. '72-4.  
 86 Cheviotland.† Brotherston.



805 *M. piperita*.  
54 Lincoln north. Lees.

806 *M. rubra*.  
8 Devon s. E. C. Rep. '72-4.  
38 Warwick. E. C. R. '72-4.  
68 York south-west. E. C. R.  
64 York mid-west. Lees.

806 *M. aquatica*.  
Cos. 43, 47, 79, 86 and 103.

807 *M. sativa*.  
8 Wilts south. Rogers.  
32 Northton. Druce.  
42 Breconshire. Ley.

808 *M. arvensis*.  
Counties 43, 47, 48, 53!, 60,  
79 and 103.

809 *M. Pulegium*.  
14 Sussex east. Warren.  
61 York south-east! Parsons.

810 *Thymus*  
*Serpyllum*.  
Counties 47, 48, 60 and 103.

810 *T. Chamædrys*.  
11 Hants south. Groves.  
20 Herts. Blow.  
30 Bedford. Blow.  
32 Northton. Druce.  
62 York north-east. Foggitt.  
80 Roxburgh. Brotherston.

812 *Calamintha Acinos*.  
32 Northton. Druce.  
80 Roxburgh. Brotherston.

814 *C. menthifolia*.  
(*officinalis*.)  
44 Carmarthen. Jones. Not  
extinct: an answer to Qy.  
in *Top. Bot.*, page 298.

818 *Teucrium*  
*Scorodonia*.  
Counties 32, 43, 44, 47, 48, 53!  
(rare), 54! 60 and 103.

822 *Ajuga reptans*.  
Counties 43, 60! 79, 86 & 103.

825 *Ballota ruderalis*.  
14 Sussex east. Roper.

827 *Lamium*  
*Galeobdolon*.  
43 Radnor. Ley *cat*.  
47 Montgomery. Ley *cat*.  
53 Lincoln south! Fowler.

828 *L. album*.  
Counties 43, 47, 60 and 79.

830 *L. amplexicaule*.  
Counties 54, 79, 86 and 103

830 *L. intermedium*.  
80 Roxburgh. Brotherston.

831 *L. purpureum*.  
Cos. 35! 43, 47, 48, 79 & 103.

831 *L. incisum*.  
Counties 54 and 80.

832 *Galeopsis Ladanum*.  
Counties 32 and 50.

833 *G. ochroleuca*.  
54 Linc. n.† Fowler. Colonist.

834 *G. Tetrahit*.  
Cos. 35, 47, 48, 60, 79 & 103.

835 *G. versicolor*.  
Counties 47, 48, 60, 79 and 103.

836 *Betonica officinalis*.  
Counties 43, 47 and 48. Not yet

recorded for any new Scot-  
tish county: not in the *cats*.  
for Selkirk, Stirling or Mull.

837 *Stachys palustris*.  
Counties 47, 48, 79, 86 and 103.

837 *S. ambigua*.  
35 Monmouth. Ley.  
36 Hereford. Ley.  
42 Breconshire. Ley.  
69 Lake Lanc. Lees.

838 *S. sylvatica*.  
Cos. 42, 43, 47, 48, 79 and 103.

840 *S. arvensis*.  
Counties 48, 53 and 54.  
03 Mull. (Eb. mid.) Ross *spn.*!

841 *Glechoma*  
*hederacea*.  
Cos. 43, 47, 48, 79, 86 and 103.

842 *Nepeta Cataria*.  
6 Som. n. Painter. Cnfirmn.  
31 Hunts, Blow.  
54 Linc. north! Truly wild.  
61 York south-east. Parsons.

844 *Prunella vulgaris*.  
Cos. 47, 48, 79 and 103 *auct. cat.*

845 *Scutellaria*  
*galericulata*.  
Counties 44, 53! 60, 79 & 103.

846 *S. minor*.  
54 Lincoln north. Fowler.  
03 Ebudes mid. Ross.

847 *Myosotis palustris*.  
Counties 50, 79, 86 and 103.

848 *M. repens*.  
6 Som. north. Parsons.

84 Gloster west. Ley.  
35 Monmouth. Ley.  
37 Worcester. Lees.  
40 Salop. Jones.  
54 Lincoln north! . Fowler.  
80 Roxburgh. Brotherston.

849 *M. cæspitosa*.  
Counties 60, 79, 80 and 103.

851 *M. sylvatica*.  
54 Lincoln north. Lees.  
80 Roxburgh. Brotherston.

852 *M. arvensis*.  
Cos. 42, 43, 47, 48, 79 and 103.

853 *M. collina*.  
Counties 30, 60 and 80.

854 *M. versicolor*.  
Counties 30, 69! 80, 86 & 103.

855 *Lithospermum*  
*officinale*.  
Counties 35 and 54!

859 *Symphytum*  
*officinale*.  
53 Lincoln south. Fowler.  
80 Rox.† Brotherston. '*Patens.*'

860 *S. tuberosum*.  
21 Middlesex.\* Groves.  
80 Roxburgh. Brotherston.  
86 Stirling. Croall.

862 *Lycopsis arvensis*.  
Counties 6, 11, 60, 79 and 86.

870 *Echium*  
*plantagineum*.  
1 Corn. w. E. C. R. '72-4.

872 *Pinguicula vulgaris*.  
Counties 60! and 103.

- 874 *P. lusitanica*.  
8 Wilts s. ? Yes. Rogers *sp.*  
08 Ebudes mid (Mull). Ross.
- 875 *Utricularia*  
*vulgaris*.  
36 Hereford. Ley.  
53 Lincoln south ! Fowler.
- 875 *U. neglecta*.  
2 Cornwall east. Tellam.  
15 Kent east. Blow.  
18 Essex south. E. C. Rep. '76.  
[33 Glos. e. ? E. C. Rep. '67.]
- 877 *U. minor*.  
18 Sussex west. Warren.  
44 Carmarthen. Jones.
- 878 *Primula vulgaris*.  
Counties 43, 47, 48, 53, 60 !  
79, 86 and 103.
- 880 *P. veris*.  
Counties 43 and 60 on catalogue  
authority.
- 884 *Trientalis europæa*.  
County 64 confirmed in 1877.
- 886 *Lysimachia*  
*vulgaris*.  
32 Northton. Druce.
- 887 *L. thyrsiflora*.  
59 Lanc. south. † Alcock.
- 889 *L. nemorum*.  
Counties 43, 47, 48, 79 and 86.
- 890 *Anagallis arvensis*.  
Counties 47, 48, 60, 86 and 103.
- 891 *A. tenella*.  
34 Gloster west. Ley.  
Also 47, 60 and 103 *cat. auct.*
- 892 *Centunculus*  
*minimus*.  
68 York s.w. G. E. Smith.
- 893 *Samolus Valerandi*.  
32 Northton. Blow.  
64 York mid-west. Abbott.  
08 Ebudes mid (Mull). Ross.
- 894 *Glaux maritima*.  
53 Lincoln south. Fowler.  
63 York south-west. Parsons.  
08 Mid Ebudes (Mull). Ross.
- 895 *Armeria maritima*.  
53 Lincoln south. Fowler.  
Also 48 and 103 in the *cats*.
- 898 *Statice Bahusiensis*.  
58 Chester. E. C. Rep. 1876.
- 899 *S. binervosa*.  
69 Westmorland (Lake Lanc.)  
Hodgson. Very rare !
- 901 *Plantago major*.  
Cos. 42, 43, 47, 48, 79 and 103.
- 903 *P. lanceolata*.  
Cos. 42, 43, 47, 48, 79 and 103.
- 904 *P. maritima*.  
63 York south-west. Parsons.
- 905 *P. Coronopus*.  
53 Lincoln south ! Fowler.  
64 York mid-w. Lees. 'Rare.'  
Also 48 and 103 in *cats*.
- 906 *Littorella lacustris*.  
54 Lincoln north. Fowler.  
80 Roxburgh. Brotherston.
- 908 *Chenopodium*  
*olidum*.  
13 Sussex west. Warren.

- 909 *C. polyspermum*.  
(81 Berwick.\* Brotherston).
- 912 *C. murale*.  
5 Somerset south. Gifford.
- 913 *C. hybridum*.  
8 Wilts s.† Rogers. See p. 24.  
(80 Roxburgh.\* Brotherston).
- 914 *C. album*.  
Cos. 43, 47, 48, 79 and 103.
- 917 *C. Bonus-Henricus*.  
Cos. 32, 47, 48, 53, 60 and 79.
- 918 *Obione*  
*portulacoides*.  
4 Devon north. Rogers.  
53 Lincoln south. Fowler.
- 920 *Atriplex arenaria*.  
11 Hants south. Groves.
- 922 *A. deltoidea*, Bab.  
32 Northton. Druce.
- 923 *A. angustifolia*.  
4 Devon north. Rogers.
- 924 *A. littoralis*.  
53 Lincoln south. Fowler.  
63 York south-west.\* Parsons.
- 924 *A. marina*.  
13 Sussex west. Warren.
- 926 *Salsola Kali*.  
60 Lanc. west! Linton *cat.*  
03 Ebudes mid (Mull). Ross.
- 927 *Sueda maritima*.  
03 Ebudes mid (Mull). Ross.
- 928 *S. fruticosa*.  
(75 Ayr.\* Horn.)
- 929 *Salicornia herbacea*.  
Counties 48, 53 and 61!
- 930 *S. radicans*.  
3 Devon south. Rogers.
- 931 *Polygonum Bistorta*.  
Counties 60! and 79† *cat. auct.*
- 934 *P. lapathifolium*.  
86 Stirling. Croall.
- 935 *P. Persicaria*.  
Counties 47, 48, 79, 86 and 103.
- 936 *P. mite*.  
23 Oxford. Linton.
- 937 *P. Hydropiper*.  
Counties 47, 53! 54! 79, 86  
and 103.
- 938 *P. minus*.  
44 Carmarthen. Jones.  
87 Perth west. E. C. Rep. '75.
- 939 *P. aviculare*.  
Counties 47, 48, 79 and 103.
- 940 *P. maritimum*, L.  
4 Devon north. Rogers.
- 941 *P. Convolvulus*.  
Cos. 47, 48, 60, 79, 86 and 103.
- 942 *P. dumetorum*.  
11 Hants south. Buckell.
- 943 *Rumex*  
*Hydrolapathum*.  
81 Berwick. Brotherston.  
88 Perth mid. E. C. Rep. 1870.
- 943 *R. maximus*, Schreb.  
2 Corn. east. E. C. Rep. '75.  
8 Wilts s. Warner & Warren.

18 Sussex west. Jenner *spn.*  
18 Essex south. E. C. R. '76.

944 *R. crispus.*  
Counties 47, 48, 79 and 103

944 *R. aquaticus.*  
80 Roxburgh. Brotherston.  
81 Berwick. Brotherston.

944 *R. conspersus.*  
80 Roxburgh. Brotherston.  
81 Berwick. Brotherston.

945 *R. pratensis.*  
80 Roxburgh. Brotherston.  
87 Perth west. E. C. Rep. '75.  
111 Orkney. E. C. Rep. '72-4.

947 *R. obtusifolius.*  
(*Friesii*).  
Counties 35 (Ley) and 37! 42,  
47, 48 and 79.

947 *R. sylvestris*, Wallr.  
18 Essex south. E. C. R. '76.  
20 Herts. Blow.  
17 Perth w. E. C. Rep. '76.

948 *R. sanguineus.*  
49 Carnarvon. Bailey.  
'*Genuinus*,' Koch.'

948 *R. conglomeratus.*  
Counties 30 (Blow) 69! & 103.

948 *R. rupestris*, Le Gal.  
1 Corn. w. E. C. Rep. '75.  
2 Corn. e. E. C. Rep. '76.  
3 Devon s. E. C. Rep. '75.  
Jersey. Blow.

949 *R. pulcher,*  
4 Devon north. Rogers.  
37 Worcester! F. A. Lees.  
(80 Rox.\* Brotherston. Alien.)

950 *R. maritimus.*  
26 Suffolk w. Ch. Babington.  
42 Breconshire. Ley.  
63 York south-west. Parsons.  
68 Cheviotland. Brotherston.  
81 Berwick.\* Brotherston.

951 *R. Acetosa.*  
Counties 42, 43, 47, 48, 79 and  
103.

952 *R. Acetosella.*  
Cos. 42, 43, 47, 48, 79 and 103.

954 *Hippophae*  
*rhamnoides.*  
08 Sutherland west.† Horn.

962 *Euphorbia*  
*Helioscopia.*  
Counties 47, 48, 60, 79, 86 and  
103.

963 *E. platyphylla.*  
64 York mid-west. West *sp!*  
As much a Colonist in sandy  
fields in 63 and 64 as in  
any other counties, I think.  
F. A. L.

969 *E. Paralias.*  
44 Carmarthen. Jones.

971 *E. exigua.*  
69 Westmorland. Bailey.

972 *E. Peplus.*  
Counties 79, 86 and 103.

974 *E. amygdaloides.*  
53 Lincoln south. Fowler.

976 *Mercurialis*  
*perennis.*  
Counties 42, 43, 47, 48, 53, 60!  
79 and 103.

*2000*

- 977 *M. annua*.  
26 Suffolk w. Ch. Babington.  
(63 York south-west.\* Jessop  
*sp!* Casual).  
(80 Roxburgh.\* Brotherston).
- 978 *Urtica urens*.  
Counties 48, 79 and 103.
- 979 *U. dioica*.  
Counties 42, 43, 47, 48, 79 and  
103.
- 984 *Ulmus montana*.  
Counties 42, 43, 47, 48 and 103.
- 988 *Quercus*  
*pedunculata*.  
44 Carmarthen. Jones.  
54 Lincoln north. Lees.  
(Also 47, 48 and 86 in *cats*.)
- 990 *Carpinus Betulus*.  
3 Devon south.† Rogers.  
32 Northton.† Druce.  
54 Lincoln north.\* Lees.
- 991 *Corylus Avellana*.  
Counties 42, 43, 47, 48, 79, 86  
*spn.*, and 103.
- 992 *Alnus glutinosa*.  
Cos. 42, 43, 47, 48, 79 and 103.
- 993 *Betula verrucosa*,  
Ehrh.  
53 Lincoln south. Lees.  
54 Lincoln north. Lees.  
00 Clyde Isles. Bailey.
- 993 *B. glutinosa*,  
*pubescens*.  
35 Monmouth. Ley.  
53 Lincoln south. Lees.  
54 Lincoln north. Lees.
- 997 *Populus tremula*.  
11 Hants south. Marquand.  
35 Monmouth. Ley.  
53 Lincoln south. Lees.  
54 Lincoln north. Lees.  
Also counties 43, 48, 79, 86  
and 103 on the authority of  
catalogues only.
- 999 *Salix pentandra*.  
54 Lincoln north. Fowler.  
57 Derby. Bailey.  
79 Selkirk. Brotherston.  
80 Roxburgh. Brotherston.
- 1001 *Salix fragilis*.  
Counties 42, 47 and 48
- 1003 *S. triandra*.  
Counties 80 and 81 in Scotland.
- 1003 *S. undulata*.  
17 Surrey. E. C. Rep. '67.  
21 Middlesex. E. C. Rep. '67.  
39 Stafford. Fraser.  
77 Lanark. E. C. R. '72-4.  
80 Roxburgh. Brotherston.  
81 Berwick. Brotherston.
- 1005 *S. purpurea*.  
Counties 11, 53! 54! 79 & 86.
- 1006 *S. rubra*.  
Counties 39, 79 and 80.
- 1007 *S. stipularis*.  
Counties 68, 80 and 81, *certe*.
- 1008 *S. ferruginea*.  
63 York south-west.† Lees.  
80 Rox. Brothn. '*Rugosa*' also.  
87 Clackman. E. C. R. '75.
- 1010 *S. cinerea*.  
Counties 61, 79, 86 and 103.

1011 *S. aurita*.  
Counties 54, 60! 61! and 103.

1012 *S. caprea*.  
Counties 53 and 60! 86 and 103.

1013 *S. nigricans*.  
38 Warwick. E. C. R. '75 & '76  
80 Roxb. Brotherston. 2 vars.

1014 *S. laurina*.  
38 Warwick. E. C. Rep. '75.  
99 Dunbarton. E. C. R. '72-4.

1015 *S. phyllicifolia*.  
79 Selk. Brothn. '*Weigeltiana*.'  
80 Roxburgh. Brotherston.  
81 Berwick. Brotherston.

1016 *S. ambigua*.  
54 Lincoln north. Lees.  
61 York south-east! Parsons.  
80 Roxburgh. Brotherston.  
81 Berwick. Brotherston.

1017 *S. repens*.  
16 Kent west. Groves.  
53 Lincoln south! Fowler.  
54 Lincoln north. Lees.  
79 Selkirk. Farquharson *cat.*  
80 Roxburgh. Brotherston.  
03 Mull. Ross.

1028 *Myrica Gale*.  
54 Lincoln north. Fowler.  
Also 60, 79 and 103 *cat. auct.*

1029 *Pinus sylvestris*.  
61 York south-east! Parsons.  
Still existent native, Dr.  
Parsons contends, on the  
ground of the present trees  
being immediate successors  
of unplanted trees; they  
recurring on one, if not  
two, sandy heaths, which

are yet in aboriginal con-  
dition—not having been  
overlaid by peat as was  
the greater part of the  
sand beds near sea-level on  
all which the *Pinus* once  
grew in plenty.

1030 *Juniperus nana*.  
03 Ebudes mid (Mull). Ross.

1031 *Taxus baccata*.  
13 Sussex west. Oakeshott.  
68 York south-west! Parsons.  
03 Mull.\* Ross.

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1036 *Neottia*  
*Nidus-Avis*.  
5 Somerset south. Lees.

1038 *Listera ovata*.  
53 Lincoln south. Fowler.  
Also 79 and 103 *cat. auct.*

1039 *Epipactis*  
*latifolia*.  
Counties 53 and 103.

1042 *Cephalanthera*  
*ensifolia*.  
87 Perth west. E. C. Report,  
'72-4.  
98 Argyle, main. Ross.

1045 *Orchis Morio*.  
53 Lincoln south. Fowler.

1046 *O. mascula*.  
Counties 47, 48, 79 and 80.

1048 *O. ustulata*.  
54 Lincoln north. Fowler.

1051 *O. pyramidalis*.  
50 Denbigh. Bailey.

- 1052 *O. majalis*.  
*eu-latifolia*.  
 53 Lincoln south. Fowler.  
 54 Lincoln north. Lees.  
 86 Stirling. Duthie.  
 08 Ebudes mid. Ross.
- 1052 *O. incarnata*.  
 8 Wilts south. Rogers.  
 20 Herts. Blow.  
 44 Carmarthen. Jones.  
 54 Lincoln north. Fowler.  
 59 Lanc. south. Lees.  
 61 York south-east. Parsons.  
 68 Cheviotland. Brotherston.  
 79 Selkirk. Brotherston.  
 80 Roxburgh. Brotherston.
- 1053 *O. maculata*.  
 Counties 43, 53, 79 and 103.
- 1054 *O. conopsea*.  
 79 Selk. Farquharson *cat.*  
 08 Ebudes mid. Ross.
- 1055 *Habenaria*  
*eu-bifolia*.  
 11 Hants south. Groves.  
 15 Kent east. Crespigny.  
 44 Carmarthen. Jones.  
 54 Linc. north! Fowler.  
 61 York south-east. Parsons.  
 69 Westmorland (Lake Lanc.)  
 Parsons.  
 80 Roxburgh. Brotherston.  
 88 Perth mid. Ley.  
 08 Ebudes mid. Ross.
- 1055 *H. chlorantha*.  
 32 Northton. Druce.  
 49 Carnarvon. Ley.  
 53 Lincoln south. Fowler.  
 86 Stirling. Duthie.  
 88 Perth mid. Ley.  
 08 Ebudes mid. Ross.
- 1056 *H. viridis*.  
 3 Devon s. E. C. R. 1876.  
 08 Ebudes mid. Ross.
- 1057 *H. albida*.  
 08 Ebudes mid. Ross.
- 1059 *Herminium*  
*Monorchis*.  
 6 Somerset north. Parsons:  
 recently.
- 1063 *Malaxis paludosa*.  
 59 Lanc. south. Percival.  
 68 York s. w.! Whitehead.
- 1072 *Allium*  
*Ampeloprasum*.  
 1 Cornwall west. E. C. R.  
 1872-4.
- 1080 *A. Babingtonii*.  
 1 Corn. w. E. C. R. '72-4.
- 1082 *A. oleraceum*.  
 17 Surrey. E. C. Rep. '72-4.  
 44 Carmarthen. Oakeshott.  
 54 Lincoln north. Fowler.
- 1083 *A. vineale*.  
 43 Radnor. Ley.  
 14 Sussex east. Oakeshott.
- 1084 *A. schcenoprasum*.  
 2 Corn. e. Huish '*sibiricum*'.
- 1086 *A. ursinum*.  
 Counties 79, 89 and 103.
- 1087 *Gagea lutea*.  
 32 Northton. Druce.  
 86 Stirling. Croall.
- 1092 *Scilla autumnalis*.  
 4 Devon north. Rogers.



- 1093 *Hyacinthus non-scriptus*.  
Counties 43, 47, 48 and 79.
- 1096 *Asparagus officinalis*.  
45 Pem. Jones. '*prostratus*.'
- 1099 *Convallaria majalis*.  
34 Gloster w. Ley. 'Wild.'
- 1102 *Polygonatum officinale*.  
48 Merioneth. James Backhouse.
- 1103 *Paris quadrifolia*.  
53 Lincoln south. Fowler.
- 1105 *Colchicum autumnale*.  
54 Lincoln north. Fowler.
- 1107 *Hydrocharis Morsus-ranæ*.  
61 York south-east. Parsons.
- 1110 *Alisma ranunculoides*.  
53 Lincoln south. Fowler.
- 1115 *Triglochin maritimum*.  
Counties 53 and 103.
- 1116 *T. palustre*.  
32 Northton. Druce.
- 1117 *Scheuchzeria palustris*.  
40 Salop. Jones.
- 1119 *Potamogeton flabellatus*.  
53 Lincoln south. Fowler.
- 1121 *P. pusillus*.  
Counties 60 and 69.
- 1122 *P. compressus mucronatus*, Schrad.  
32 Northton. Druce.  
64 York mid-west. Lees.
- 1123 *P. obtusifolius*.  
14 Sussex east. Roper.  
32 Northton. Druce.  
54 Lincoln north. Lees.  
63 York south-west. Carr.  
87 Perth west. E. C. Rep. 1875.
- 1126 *P. lucens*.  
80 Roxburgh. Brotherston.
- 1127 *P. prælongus*.  
80 Roxburgh. Brotherston.
- 1129 *P. heterophyllus*.  
54 Lincoln north. Fowler.
- 1129 *P. nitens*.  
68 Cheviotland. Brotherston.  
80 Roxburgh. Brotherston.  
81 Berwick E. C. R. 1876.  
11 Orkney. E. C. Report 1872-4.
- 1131 *P. rufescens*.  
11 Hants south. Groves.  
54 Line. north! Fowler.  
64 York mid-west! Lees.
- 1132 *P. eu-natans*.  
Counties 11, 14, 20, 32, 34, 53!  
54!, 62, 63! and 64!
- 1133 *P. polygonifolius*.  
Counties 16, 34, 54! 80 and 86.
- 1134 *P. plantagineus*.  
54 Lincoln north. Lees.

- 1135 *Ruppia eu-spiralis*.  
11 Hants south. Warren.
- 1135 *R. rostellata*.  
1 Corn. w. Curnow, *spn.*  
3 Devon s. E. C. R. 1876.  
15 Kent east. E. C. R. 1875.  
48 Merioneth. Ley.  
58 Cheshire. Lewis.
- 1136 *Zannichellia eu-palustris*.  
*brachystemon*, Gay.  
Some of the vice-counties given in *Top. Bot.* for the aggregate '*palustris*' are here repeated to indicate which segregate occurs.  
8 Wilts south. Warren.  
11 Hants s. E. C. R. 1876.  
13 Sussex west. E. C. R. '76.  
38 Warwick. E. C. R. 1876.  
39 Stafford. Lees.  
57 Derby. E. C. R. 1876.  
62 York n. e. E. C. R. 1876.  
64 York mid-west. Parsons.  
80 Roxburgh. Brotherston.
- 1136 *Z. pedicellata*, Fr.  
2 Corn. e. E. C. Rep. 1876.  
13 Sussex west. Warren.  
14 Sussex east. Warren.  
15 Kent east. E. C. R. 1876.  
16 Kent west. E. C. R. 1876.  
63 York south-west! Parsons.  
87 Perth west. E. C. R. 1876.
- 1136 *Z. polycarpa*, Nolte.  
11 Orkney. E. C. Rep. '75.  
Also 148 Belfast co. E.C.R.'76.
- 1137 *Zostera marina*.  
03 Ebudes mid. Ross.
- 1140 *Lemna polyrhiza*.  
16 Kent west. Groves.
- 1141 *L. trisulca*.  
11 Hants south. Groves.
- 1142 *Arum maculatum*.  
County 53 additional.
- 1142 *A. italicum*.  
1 Cornw. west. Ralfs, &c.
- 1144 *Sparganium minimum*.  
11 Hants south. Groves.  
69 Westmorland. Bailey.
- 1145 *S. simplex*.  
Counties 42, 60 and 69.
- 1146 *S. ramosum*.  
Counties 53 and 86.
- 1148 *Typha angustifolia*.  
8 Wilts south. Blow.  
53 Linc. south! Fowler.
- 1151 *Juncus conglomeratus*.  
Counties 42, 60 and 103.
- 1152 *J. glaucus*.  
Counties 35 and 80.
- 1154 *J. maritimus*.  
Counties 48 (Ley) & (70 Bailey).
- 1156 *J. acutiflorus*.  
County 80 additional.
- 1157 *J. lamprocarpus*.  
Counties 35, 86 and 103.
- 1159 *J. supinus*.  
Counties 32, 35, 54 and 86.
- 1160 *J. cœnosus*.  
*Gerardi*, Lois.  
11 Hants s. To ind. segreg.

28

[24 Bucks. (?) E. C. R. '67].

28 Norfolk west. Blow.

48 Merioneth. Ley.

61 York south-east! Parsons.

63 York south-west! Parsons.

69 Westm. (Lake Lanc.) Lees.

1160 *J. compressus*, Jacq.

[24 Bucks. (?) E. C. Rep. '67].

32 Northton. Druce.

55 Leicester. Mott.

63 Yorks.w.! G. E. Smith *spn.*

80 Roxburgh. Brotherston.

1162 *J. bufonius*.

Counties 48 and 103.

1164 *J. castaneus*.

97 Westernness. Sadler.

1169 *Luzula sylvatica*.

Counties 8, 43, 53, 60, 86, 103.

1170 *L. pilosa*.

Counties 43, 53, 86 and 103.

1171 *L. Forsteri*.

8 Wilts south. Rogers.

1172 *L. campestris*.

Counties 53, 60 and 86.

1173 *L. multiflora*.

Counties 8, 54, 80, 86, 103.

1178 *Cladium Mariscus*.

54 Linc. n. Fowler. Three locs.

02 Ebudes south. (Islay). E.

C. R. 1872-4.

1179 *Schoenus**nigricans*.

32 Northton. Druce.

54 Lincoln north. Fowler.

60 Lanc. west. Bailey.

1180 *Rhyncospora alba*.

8 Wilts south. Rogers.

54 Lincoln north! Fowler.

03 Ebudes mid. Ross.

1182 *Blysmus**compressus*.

20 Herts. Crespigny.

32 Northton. Lewin &amp; Druce.

1183 *B. rufus*.

54 Lincoln north. Fowler.

1184 *Scirpus lacustris*.

Counties 53, 60, 69, and 80.

1184 *S. glaucus*.*Tabernæmontani*.

42 Breconshire. Ley.

44 Carmarthen. Jones.

48 Merioneth. Ley.

63 York south-west. Parsons.

1184 *S. carinatus*.

2 Cornw. e. E. C. Rep. '75.

3 Devon. s. E. C. Rep. '75.

1185 *S. triqueter*.

2 Cornw. e. E. C. Rep. '75.

3 Devon s. E. C. Rep. '75.

1186 *S. sylvaticus*.

80 Roxburgh. Brotherston.

1187 *S. maritimus*.

63 York south-west! Parsons.

64 York mid-west. Parsons.

69 Westmorland. Bailey.

03 Ebudes mid. Ross.

1189 *S. setaceus*.

Cos. 53! 54! 60, 80 and 103.

1190 *S. Savii*.

03 Ebudes mid. Ross.

- 1191 *S. acicularis*.  
42 Breconshire. Ley.
- 1192 *S. palustris*.  
Counties 53 and 69!
- 1193 *S. uniglumis*.  
15 Kent east. E. C. Report  
1870.
- 1194 *S. multicaulis*.  
48 Merioneth. Ley.  
54 Lincoln north. Lees.  
63 York south-west! Lees.  
'Thorne Moor.'
- 1195 *S. pauciflorus*.  
34 Gloster west. Ley.  
42 Breconshire. Ley.  
86 Stirling. Croall.
- 1196 *S. cæspitosus*.  
Counties 54 and 60!
- 1198 *S. fluitans*.  
54 Lincoln north! Fowler.
- 1200 *Eriophorum*  
*vaginatum*.  
Counties 54! and 80.
- 1201 *E. latifolium*.  
35 Monmouth. Ley.
- 1203 *Kobresia caricina*.  
87 Perth west. E. C. Report  
1872-4.
- 1204 *Carex dioica*.  
03 Ebudes mid (Mull). Ross.
- 1205 *C. pulicaris*.  
Counties 32, 35, 80, 86 & 103.
- 1206 *C. pauciflora*.  
03 Ebudes mid (Mull). Ross.
- 1209 *C. stellulata*.  
Counties 32, 43, 54, 60, 79, 80  
and 103.
- 1211 *C. ovalis*.  
Cos. 43, 53, 54, 60; 79, 80 & 86.
- 1212 *C. curta*.  
Counties 79 and 86 (Croall).
- 1213 *C. elongata*.  
38 Warwick. Bagnall.
- 1214 *C. remota*.  
Counties 32, 42, 43, 53, 54, 80  
and 103.
- 1215 *C. axillaris*.  
11 Hants south. Groves.
- 1216 *C. Bœnninghausen-*  
*iana*.  
58 Chester. Yes. Whitehead.  
70 Cumberland. Hodgson *syn.*
- 1217 *C. intermedia*.  
8 Wilts south. Rogers.  
11 Hants south. Buckell.  
80 Roxburgh. Brotherston.  
86 Stirling. Duthie.
- 1218 *C. arenaria*.  
Counties 60! 69! and 103.
- 1219 *C. divisa*.  
63 York south-west! Parsons.
- 1220 *C. muricata*.  
Counties 8, 80 and 86.
- 1221 *C. divulsa*.  
8 Wilts south. Rogers.
- 1222 *C. vulpina*.  
Counties 69 (Lake Lanc!), 86  
and 103.

2500

1223 *C. teretiuscula*.  
 11 Hants s. Buckell. Jones.  
 80 Roxburgh. Brotherston.  
 98 Argyle main. Ross.  
 99 Dunbarton. Horn.

1224 *C. paniculata*.  
 Counties 54 !, 80 and 103.

1228 *C. vulgaris*.  
 Counties 45, 60, 80, 100 and  
 103.

1229 *C. rigida*.  
 48 Merioneth. Ley.

1230 *C. aquatilis*.  
 80 Roxburgh. Brotherston.  
 09 Caithness. Horn.

1230 *C. Watsoni*.  
 68 Cheviotland. Brotherston.  
 79 Selkirk. Brotherston.  
 81 Berwick. Brotherston.

1232 *C. acuta*.  
 32 Northton. Druce.  
 80 Roxburgh. Brotherston.

1234 *C. eu-flava*.  
 Counties 20, 32, 45, 48, 54 ! 69,  
 86 and 103.

1234 *C. lepidocarpa*.  
 Counties 3, 8, 35, 49, 54 ! 61.

1234 *C. Oederi*.  
 53 Lincoln south. F. A. Lees.  
 61 York south-east ! Parsons.  
 63 York south-west ! Carr.  
 96 Easternness. Ley.

1235 *C. extensa*.  
 54 Lincoln north. Fowler.  
 69 Westmorland. Bailey.

1236 *C. pallescens*.  
 49 Carnarvon. Ley.  
 53 Lincoln south. Fowler.  
 54 Lincoln north. Fowler.

1237 *C. fulva*.  
*Hornschurchiana*.  
 32 Northton. Druce.  
 54 Lincoln north ! Fowler.  
 57 Derby. Whitehead.  
 03 Ebudes mid. Ross.

1237 *C. xanthocarpa*.  
 20 Herts. Blow.  
 11 Orkney. E. C. Rep. '76.

1238 *C. punctata*.  
 2 Cornw. east. Tellam *spn.* !  
 3 Devon s. E. C. Rep. '75.

1238 *C. distans*.  
 8 Wilts south. Rogers.  
 20 Herts. Blow.  
 35 Monmouth. Ley.  
 38 Warwick. Bagnall.  
 54 Lincoln north. Fowler.  
 63 Yorks.w. G. E. Smith *spn.* !  
 69 Westm. and Lake Lanc.  
 Bailey.  
 03 Ebudes mid (Mull). Ross.

1239 *C. binervis*.  
 Counties 60 ! 80 and 103.

1240 *C. laevigata*.  
 43 Radnor. Ley.  
 49 Carnarvon. Ley.  
 57 Derby. Whitehead.  
 88 Perth mid. Ley.

1241 *C. panicea*.  
 Counties 32, 53, 54 ! 63, 86.

1243 *C. capillaris*.  
 64 York m.w. W. West *spn.*

- 1244 *C. eu-limosa*.  
40 Salop. Jones.  
63 York south-west! Parsons.  
64 York mid-west! Lees.  
80 Roxburgh. Brotherston.  
81 Berwick. E. C. Rep. '75.
- 1247 *C. sylvatica*.  
Counties 53! 54! 60 and 103.
- 1248 *C. pendula*.  
5 Som. s. Lees. 'Cheriton.'
- 1249 *C. Pseudocyperus*.  
32 Northton. Druce.  
53 Lincoln south! Fowler.
- 1250 *C. glauca*.  
Counties 48, 79, 86 and 103.
- 1251 *C. præcox*.  
Counties 45, 80 and 86.
- 1251 *C. ericetorum*.  
26 Suff. west. Bennett *spn.*
- 1252 *C. pilulifera*.  
Counties 49, 54! 80 and 86.
- 1255 *C. digitata*.  
57 Derby. Rogers and Percival  
*spn.*, 1878, to confirm the  
old record.
- 1255 *C. ornithopoda*.  
57 Derby. Whitehead.
- 1256 *C. filiformis*.  
80 Roxburgh. Brotherston.  
81 Berwick. Brotherston.  
96 Easternness. Ley.  
03 Ebudes mid (Mull). Ross.
- 1257 *C. hirta*.  
Counties 43, 53! 60, 61! 80  
and 86.
- 1258 *C. ampullacea*.  
Counties 35, 42, 54, 80 and  
103 (Mull: Ross *spns.* some  
approaching, if not quite  
*involuta*, Bab.)
- 1259 *C. vesicaria*.  
53 Lincoln south! Fowler.  
80 Roxburgh. Brotherston.  
03 Ebudes mid (Mull). Ross.
- 1260 *C. paludosa*.  
Counties 53! 61! and 69 (Lake  
Lanc.)!
- 1261 *C. riparia*.  
53 Lincoln south. Fowler.  
57 Derby. Bailey.
- 1270 *Anthoxanthum*  
*Puelii*.  
3 Dev. south.\* E. C. R. '75.  
17 Surrey.\* Groves.  
37 Worcester.\* Fraser.  
39 Stafford.\* Fraser.  
58 Chester.\* E. C. Rep. '76.  
80 Roxburgh.\* Brotherston.
- 1274 *Phleum*  
*arenarium*.  
44 Carmarthen. Jones.  
69 Westm. (Lake Lake.) Lees.  
'Walney.'
- 1276 *P. Boehmeri*.  
80 Bedford. Blow & Groves.
- 1280 *Alopecurus fulvus*.  
14 Sussex east. Warren.
- 1282 *A. agrestis*.  
80 Roxburgh.† Brotherston.
- 1286 *Polypogon*  
*monspeliensis*.  
(59 Lanc. s.\* Lewis. Casual.)

- 1287 *Milium*  
*effusum*.  
54 Lincoln north. Lees.  
60 Lanc. west. Linton.  
79 Selkirk. Soutter.  
80 Roxburgh. Brotherston.
- 1290 *Agrostis canina*.  
Counties 47, 48, 54, 79 & 80.
- 1291 *A. vulgaris*.  
Counties 43, 47, 48, 79, 80, 86  
and 103.
- 1292 *A. alba*.  
Counties 42, 79, 80 and 103.
- 1295 *Arundo*  
*Calamagrostis*.  
54 Lincoln north. Fowler.
- 1296 *A. Epigejos*.  
14 Sussex east. Roper.  
34 Gloster west. Flower.  
69 Westm. (Lake Lanc.) Lees.
- 1299 *Sesleria cærulea*.  
60 Lanc. west. Bailey.
- 1300 *Aira cæspitosa*.  
Counties 8, 42, 43, 48, 79 and  
103.
- 1301 *A. alpina*.  
96 Easternness. Ley.
- 1302 *A. flexuosa*.  
Counties 43, 47, 48, 54, 79,  
86 and 103.
- 1032 *A. uliginosa*.  
11 Hants s. Groves. Marquand.
- 1303 *A. caryophyllea*.  
Counties 32, 35, 43, 47, 60, 79,  
86 and 103.
- 1304 *A. præcox*.  
Counties 4, 32, 43, 47, 48, 53,  
54, 60, 79, 86 and 103.
- 1308 *Avena strigosa*.  
80 Roxburgh.† Brotherston.  
98 Argyle, main.† Ross.  
03 Mull.\* Ross.
- 1309 *A. pratensis*.  
32 Northton. Druce.
- 1310 *A. pubescens*.  
14 Sussex east. Roper.  
35 Monmouth. Ley.  
80 Roxburgh. Brotherston.  
98 Argyle, main. Ross.  
03 Ebudes mid (Mull). Ross.
- 1311 *Trisetum*  
*flavescens*.  
Counties 60 and 79.
- 1312 *Arrhenatherum*  
*avenaceum*.  
Counties 47, 48 and 79. Not  
marked by Ley as seen in  
42 and 43; nor noted as  
a plant of 86; nor for 103.
- 1314 *Holcus mollis*.  
Counties 4, 53, 79, 86 and 103.
- 1315 *Triodia*  
*decumbens*.  
Cos. 32, 43, 48, 79, 86 & 103.
- 1316 *Koeleria cristata*.  
54 Lincoln north! Fowler.  
80 Roxburgh. Brotherston.  
86 Stirling. Duthie.
- 1317 *Melica uniflora*.  
Counties 42, 43, 47, 53, 54, 60,  
79, 85 (H. C. R. '72-4), 86  
and 103.

- 1818 *M. nutans*.  
54 Lincoln north. Fowler.
- 1819 *Molinia caerulea*.  
Counties 32, 47, 48, 79, 86  
and 103.
- 1821 *Glyceria aquatica*.  
Counties 61!, 86 and 103.
- 1822 *G. fluitans*.  
Counties 42, 43, 47, 48, 49, 60,  
79 and 103.
- 1822 *G. plicata*.  
35 Monmouth. Ley.  
80 Roxburgh. Brotherston.  
64 York mid-west. Lees.
- 1823 *Sclerochloa*  
*maritima*.  
53 Lincoln south. Fowler.  
54 Lincoln north! Fowler.  
63 York south-west. Parsons.
- 1824 *S. distans*.  
53 Lincoln south. Fowler.
- 1824 *S. Borreri*.  
15 Kent east. Blow.
- 1825 *S. procumbens*.  
15 Kent east. Blow.
- 1826 *S. rigida*.  
35 Monmouth. Bailey.
- 1827 *S. loliacea*.  
54 Linc. north! Whitehead.
- 1830 *Poa alpina*.  
64 York mid-west. Lees and  
West.
- 1831 *P. pratensis*.  
Counties 43, 79 and 103.
- 1833 *P. compressa*.  
54 Lincoln north! Fowler.  
Lees.
- 1834 *P. nemoralis*.  
80 Roxburgh. Brotherston.  
86 Stirling. Croall.
- 1835 *Briza media*.  
Counties 47, 60, 79 and 86.
- 1837 *Cynosurus*  
*cristatus*.  
Counties 44, 47, 48, 60 and 79.
- 1841 *Festuca*  
*sciuroides*.  
32 Northton. Druce.  
54 Lincoln north. Lees.  
80 Roxburgh. Brotherston.
- 1841 *F. Pseudo-myurus*.  
42 Brecon†. Ley.  
(80 Roxb.\* Brotherston).
- 1842 *F. ovina*.  
Counties 32, 42, 43, 47, 48, 79  
and 103.
- 1843 *F. duriuscula*.  
Counties 49 and 86.
- 1845 *F. sylvatica*.  
34 Gloster west. Ley.  
35 Monmouth. Ley.  
57 Derby. Whitehead.
- 1846 *F. elatior*.  
Counties 35, 79 and 103.
- 1847 *F. pratensis*.  
Counties 42, 79, 80 and 103.
- 1848 *Bromus*  
*giganteus*.  
Counties 79, 80, 86 and 103.



1349 *B. asper*.  
Counties 79, 86 and 103.

1350 *B. sterilis*.  
Counties 42, 43, 79 and 80.

1353 *B. erectus*.  
58 Chester.\* Whitehead.  
80 Roxburgh.\* Brotherston.

1356 *B. commutatus*.  
80 Roxburgh. Brotherston.

1357 *Brachypodium*  
*sylvaticum*.  
Counties 43, 47, 60, 79, 80, 86  
and 103.

1361 *Triticum pungens*.  
11 Hants south. Groves.  
53 Lincoln south. Fowler.

1361 *T. acutum*.  
2 Cornwall west. E. C. Rep.  
1876.  
53 Linc. south. Fowler.  
58 Cheshire. E. C. Rep. '75.

1362 *T. eu-junceum*.  
3 Devon south. Rogers.  
4 Devon north. Rogers.  
18 Essex south. Crespigny.  
49 Carnarvon. Druce.  
53 Linc. south. Fowler.  
66 Dnr. Lees. '*Acutum*' also.  
69 Westm. (Walney Is.) Lees.  
08 Ebudes mid (Mull). Ross.

1365 *Elymus arenarius*.  
61 York s. e. Lees. 'Spurn.'

1369 *Hordeum*  
*maritimum*.  
53 Lincoln south. Fowler.

1370 *Nardus stricta*.  
Counties 42, 43, 47, 48, 54! 60,  
79 & 103.

1371 *Lepturus filiformis*.  
53 Lincoln south. Fowler.  
63 York south-west.† West.  
85 Fife. E. C. Rep. 1872-4.

1373 *Woodsia ilvensis*.  
48 Merioneth. Jas. Backhouse.

1374 *Polypodium*  
*vulgare*.  
Counties 43, 48, 53! 79 & 103.

1375 *P. Phegopteris*.  
5 Somerset south, vel. 8 Wilts  
south. Parsons. The sta-  
tion, just on the county  
boundary, is 'Below Alfred's  
Tower, near Bruton.'  
35 Monmouth. Ley.

1377 *P. calcareum*.  
37 Worcester. Fraser.

1379 *Cystopteris fragilis*.  
6 Somerset north. Parsons.

1385 *Lastrea*  
*Thelypteris*.  
54 Lincoln north! Fowler  
and Lees.

1386 *L. Oreopteris*.  
8 Wilts south. Rogers.  
35 Monmouth. Ley.  
54 Linc. north! Fowler.

1390 *L. spinulosa*.  
35 Monmouth. Ley.  
53 Lincoln south. Fowler.  
54 Linc. n! Fowler. Lees.

1391 *L. dilatata*.  
Counties 43, 47, 48, 54, 60, 79,  
and 103.

1394 *Athyrium*  
*F. foemina*.  
Counties 32, 42, 43, 47, 48, 53,  
79 and 103.

1395 *Asplenium viride*.  
48 Merioneth. Ley.  
63 York s. w.? Yes: Fowler  
*spn.* to Lees, but now, if not  
formerly, very rare.

1396 *A. Trichomanes*.  
43 Radnor. Ley *cat.*, p. 86.  
61 York south-west. Parsons.  
79 Selkirk. Farquharson *cat.*  
86 Stirling. Croall *cat.*, p. 149  
08 Eb. mid (Mull). Ross *cat.*,  
p. 192.

1397 *A. marinum*.  
44 Carmarthen. Oakeshott.

1398 *A. lanceolatum*.  
63 York south-west!† Gatty.

1399 *A. Adiantum-*  
*nigrum*.  
Counties 43, 48, 79, 86 and  
103, according to the cata-  
logues for those counties  
which the Record Club has  
published. Many botanists  
seem to regard this as  
amongst the commoner  
ferns: my experience in  
the N. of England leads  
me to look on it as amongst  
the rarer ones, rather having  
a very wide horizontal and  
vertical distribution. In  
mid-west, north-west, and  
south-west York it is very

scarce, much less familiar  
than many far rarer species;  
if *ever* (which I doubt) so  
frequent as Floras seem to  
represent, it must have  
undergone a rapid process  
of extinction during the  
last fifteen years. Yet  
neither on rockeries, &c.,  
under cultivation, is it at  
all as common in 'the county  
of broad acres' as further  
south and west.

1400 *A. Ruta-muraria*.  
Counties 43, 60 and 103.

1401 *A. septentrionale*.  
3 Dev. s. Roberts and Rogers.  
48 Merioneth. Pugh & Pearce.

1402 *Scolopendrium*  
*vulgare*.  
79 Selkirk. Farquharson *cat.*

1403 *Blechnum boreale*.  
Counties 43, 60! 86 and 103.

1405 *Adiantum*  
*Capillus-Veneris*.  
"6 Som. north?" *Top. Bot.*, p.  
499. Anent this Dr. H. F.  
Parsons writes:—"I have  
known *Thalictrum saxatile*  
reported by mistake for this  
fern at *Cheddar*! Is *Adiantum*  
said to occur *elsewhere* in N.  
Somerset?"

1406 *Trichomanes*  
*radicans*.  
48 Mer. J. Backhouse. 'Wild.'

1408 *Hymenophyllum*  
*unilaterale*.  
86 Stir. Duthie *sp.* Croall *cat.*

- 1409 *Osmunda regalis*.  
 36 Hereford. Ley.  
 54 Lincoln north. Fowler.
- 1410 *Botrychium Lunaria*.  
 44 Carmarthen. Jones.  
 54 Lincoln north. Fowler.
- 1411 *Ophioglossum vulgatum*.  
 53 Lincoln south. Fowler.  
 86 Stirling. Croall.
- 1411 *O. ambiguum*.  
 1 Cornw. w. (Scilly). Tellam.  
 11 Orkney. Ex. C. Report, 1870.
- 1412 *Lycopodium clavatum*.  
 43 Radnor. Ley cat., p. 86.  
 45 Pembroke. Jones.  
 54 Lincoln north! Fowler.  
 03 Eb. mid (Mull). Ross.
- 1414 *L. inundatum*.  
 54 Lincoln north! Fowler.
- 1415 *L. alpinum*.  
 45 Pembroke. Jones.  
 [54. Extinct. Has occurred on a sandy warren near Crosby—seen there in 1857 by Rev. W. Fowler, not since—but is almost certainly now destroyed.]
- 1416 *L. Selago*.  
 11 Hants s. H. and J. Groves!  
 42 Brecon. Ley cat., p. 86.  
 45 Pembroke. Jones.
- 1417 *L. selaginoides*.  
 79 Sel. Farquharson cat., p. 86.  
 03 Ebudes mid (Mull). Ross.
- 1418 *Isoetes lacustris*.  
 40 Salop. Phillips.  
 03 Ebudes mid (Mull). Ross.  
 'Echinospora?'
- 1419 *Pilularia globulifera*.  
 63 York south-west! Parsons.
- 1420 *Equisetum maximum*.  
 35 Monmouth. Ley.  
 54 Lincoln north! Fowler.
- 1422 *E. arvense*.  
 Cos. 35, 42, 43, 79, 86 and 103.
- 1423 *E. sylvaticum*.  
 11 Hants south. Groves.  
 47 Montgom. Ley cat., p. 146.  
 54 Lincoln north. Lees.  
 79 Selkirk. Farquharson cat.  
 86 Stirling. Croall.
- 1426 *E. hyemale*.  
 87 Clackman. (W. Perth). E. C. Report, '75.  
 96 Easternness. Croall spm.

3000 ?  
 abh

