

Malva sylvestris	Solanum Dulcamara
Genista tinctoria	Melampyrum pratense
Anthyllis Vulneraria	Mentha velutina
Vicia sativa	Plantago maritima
Comarum palustre	Atriplex Babingtonii
Hydrocotyle vulgaris	Polygonum lapathifolium
Conium maculatum	Iris foetidissima
Carum verticillatum	„ Pseudacorus
Sium angustifolium	Allium vineale
Oenanthe fistulosa	Juncus glaucus
„ Lachenalii	„ maritimus
„ crocata	Lemna minor
Lonicera Periclymenum	Triglochin palustre
Galium palustre	„ maritimum
Valeriana officinalis	Potamogeton oblongus
Gnaphalium sylvaticum	Scirpus maritimus
Senecio tenuifolius	Blysmus rufus
Carduus palustris	Carex vulpina
Thrinicia hirta	„ lævigata
Jasione montana	„ distans
Campanula rotundifolia	„ extensa
Armeria maritima	Phalaris arundinacea
Glaux maritima	Glyceria fluitans
Anagallis arvensis	„ aquatica
„ tenella	Lepturus filiformis
Samolus Valerandi	„ incurvatus
Ligustrum vulgare	Asplenium Adiantum-
Erythræa Centaurium	nigrum
„ littoralis	„ Trichomanes
Myosotis cæspitosa	Fontinalis antipyretica
Convolvulus sepium	

Anstruther, Pittenweem, St. Monans, Elie.

Saturday, 16th July 1864.

Party of 35 met at Scotland Street Railway Station at 6.30 a.m. and proceeded to Anstruther. Breakfasted at Robertson's Commercial Inn. Met Mr. Barclay, the Rev. R. Colvin, Mr. C. Howie, and subsequently Rev. Walter Wood and Mr. Michie. The party was thus in all forty. Walked by the shore to Pittenweem and visited old monastery and caves. Passed through St.

Monans and visited Elie Harbour. Returned by train from Elie at 4.20 p.m. Return tickets, 2s. 6d. ; breakfast, 1s. 6d.

Among the plants collected by the party were the following:—

Thalictrum minus	Silybum Marianum
Ranunculus sceleratus	Centaurea Scabiosa
Papaver Argemone	Apargia autumnalis
Fumaria capreolata	Lactuca muralis
" micrantha	Erica cinerea
Sisymbrium Sophia	Anagallis arvensis
Sinapis alba	Erythræa Centaurium
Diploxaxis muralis	Echium vulgare
Senebiera didyma	Hyoscyamus niger
" Coronopus	Atriplex littoralis
Lepidium ruderales	" erecta
Silene noctiflora	" Babingtonii
Lychnis Flos-cuculi	Polygonum littorale
" Githago	Fagopyrum esculentum
Malva rotundifolia	Euphorbia Helioscopia
Geranium sanguineum	Orchis pyramidalis
" pratense	" latifolia
Genista anglica	Habenaria viridis
Trifolium scabrum	Alopecurus agrestis
Astragalus hypoglottis	Phleum pratense
Sedum anglicum	" arenarium
Conium maculatum	Polypogon monspeliensis
Smyrnum Olusatrum	Psamma arenaria
Pimpinella Saxifraga	Trisetum flavescens
Anthriscus vulgaris	Sclerochloa procumbens
Haloscias scoticum	" rigida
Archangelica officinalis	" loliacea
Anthemis Cotula	Serrafalcus commutatus
Tanacetum vulgare	Triticum junceum
Senecio vulgaris	Asplenium marinum
" sylvaticus	Botrychium Lunaria
Carduus tenuiflorus	

Callander, Ben Ledi, Loch Lubnaig.

Saturday, 23rd July 1864.

Party of 94 met at the Waverley Station at 6.5 a.m. and proceeded to Callander. Breakfasted at MacGowan's Dread-

nought Hotel. Afterwards walked to summit of Ben Ledi, going as far as Loch Lubnaig, ascending by the Stank Burn. Examined rocks at summit. Returned to Callander at 6.15 to tea. Left by train at 7 p.m. for Edinburgh. Return tickets, 4s. 4d.; breakfast, 1s. 6d.; tea, 1s. 3d.

Among the plants gathered were the following :—

<i>Thalictrum alpinum</i>	<i>Achillea Ptarmica</i>
<i>Nuphar lutea</i>	<i>Senecio sylvaticus</i>
<i>Nymphaea alba</i>	" <i>aquaticus</i>
<i>Corydalis claviculata</i>	<i>Centaurea Cyanus</i>
<i>Cochlearia officinalis</i> , var.	<i>Hieracium boreale</i>
<i>Subularia aquatica</i>	<i>Lobelia Dortmanna</i>
<i>Viola lutea</i> , var.	<i>Vaccinium Oxycoccus</i>
<i>Silene acaulis</i>	<i>Erica Tetralix</i>
<i>Montia fontana</i>	" <i>cinerea</i>
<i>Hypericum humifusum</i>	<i>Gentiana campestris</i>
<i>Tilia parvifolia</i>	<i>Myosotis repens</i>
<i>Vicia sylvatica</i>	<i>Veronica scutellata</i>
<i>Rubus saxatilis</i>	<i>Littorella lacustris</i>
<i>Sibbaldia procumbens</i>	<i>Polygonum viviparum</i>
<i>Alchemilla alpina</i>	<i>Myrica Gale</i>
<i>Rosa arvensis</i>	<i>Salix aurita</i>
<i>Saxifraga oppositifolia</i>	" <i>viminalis</i>
" <i>nivalis</i>	" <i>herbacea</i>
" <i>stellaris</i>	<i>Empetrum nigrum</i>
" <i>aizoides</i>	<i>Malaxis paludosa</i>
" <i>hypnoides</i>	<i>Listera cordata</i>
<i>Parnassia palustris</i>	<i>Gymnadenia conopsea</i>
<i>Sedum Rhodiola</i>	" <i>albida</i>
<i>Drosera rotundifolia</i>	<i>Habenaria chlorantha</i>
<i>Callitriche autumnalis</i>	<i>Narthecium ossifragum</i>
<i>Epilobium alsinifolium</i>	<i>Juncus supinus</i>
<i>Circaea alpina</i>	" <i>triglumis</i>
<i>Hydrocotyle vulgaris</i>	<i>Luzula spicata</i>
<i>Pimpinella magna</i>	<i>Sparganium natans</i>
<i>Angelica sylvestris</i>	<i>Potamogeton praelongus</i>
<i>Galium boreale</i>	<i>Carex pulicaris</i>
" <i>saxatile</i>	" <i>stellulata</i>
<i>Solidago Virgaurea</i>	" <i>curta</i>
<i>Gnaphalium sylvaticum</i>	" <i>irrigua</i>
" <i>supinum</i>	" <i>binervis</i>

Carex Oederi	Polypodium Phegopteris
" vesicaria	Equisetum limosum
Triodia decumbens	Lycopodium Selago
Molinia cærulea	" clavatum
Festuca vivipara	" alpinum
Brachypodium sylvaticum	" selaginoides
Juniperus communis	Andræa alpina
Hymenophyllum Wilsoni	Pogonatum alpinum
Allosorus crispus	Tortula tortuosa
Asplenium viride	Bartramia pomiformis
Polystichum Lonchitis	Splachnum ampullaceum
Lastrea spinulosa	Hypnum loreum
Polypodium Dryopteris	

**Loch Lomond, Inverarnan, Ben Voirlich, Ben More, Cobbler,
Ben Ime.**

Tuesday, 9th August 1864.

Party, consisting of J. H. Balfour, Francis Walter Moinet, John P. Gordon, P. Neill Fraser, T. L. Brunton, and James Thomson, left Edinburgh at 9.15 a.m. for Stirling, Balloch, and Loch Lomond—having procured return tickets available for ten days for 6s. 8d. They were detained for half-an-hour by the number of passengers going north. On board the Loch Lomond steamer met Mr. Elliot of Wolflee and his daughter and Captain Hector Macneil. Day very showery. Most of the passengers left at various places on the loch instead of taking the complete tour. Reached Inverarnan about 3.30 p.m., and were comfortably accommodated by Mr. M'Nab, the innkeeper. After dinner walked for two or three miles up Glen Falloch, and returned about 8.30 p.m. Gathered *Malaxis paludosa* and *Rhynchospora alba*. Weather very wet, also chilly. Fire required at night.

Wednesday, 10th August 1864.

Day fine. Breakfasted at 7.30, and at 8.15 a.m. started for Ben Voirlich. Ascended on the northern side. Visited the loch and had a fine view from the summit of Ben Lomond; Ben Lui, Ben Oss, Ben More, Ben A'an, Ben Ledi, Ben Lawers, Ben Venue,

hills on the side of the Lochay, hills in Glencoe and Ben Ime, all seen distinctly. Occasional showers passed over the hills, which added to the effect. After descending the hill walked along the banks of the Falloch to Inverarnan and reached the inn about 6p.m.

Among the plants gathered were the following :—

Thalictrum alpinum	Littorella iacustris
Silene acaulis	Polygonum viviparum
Cerastium alpinum	Salix herbacea
Lotus major (very fine and large)	Juncus trifidus
Sibbaldia procumbens	" triglumis
Alchemilla alpina	Luzula spicata
Saxifraga oppositifolia	Potamogeton natans
" stellaris	Carex rigida
" aizoides	" pallescens
" hypnoides	Aira cæspitosa vivipara
Lythrum Salicaria	Poa alpina vivipara
Epilobium alpinum	Festuca vivipara
Solidago Virgaurea	Hymenophyllum Wilsoni
" " var. cambrica	Cryptogramme crispa
Gnaphalium supinum	Asplenium viride
Saussurea alpina	Polypodium alpestre
Hieracium Lawsoni	Cystopteris fragilis
" umbellatum	" dentata
Apargia autumnalis	Polystichum Lonchitis
Lysimachia vulgaris	Lastrea dilatata and vars.
Stachys ambigua	Isoëtes lacustris

Thursday, 11th August 1864.

Breakfasted at 7.30 a.m. and started at 8 in a drag with two horses for the foot of Ben More. Drove nine miles on the road to Killin to a spot about two miles beyond Crianlarich, where there is a farm called Ben More Farm. The tolls were very heavy, there being two which were charged 2s. each. Reached foot of Ben More about 9.30. Ascended towards the rocky part of the hill. Day was remarkably fine, and the view very extensive.

Ben More, although rising above 3800 feet, was found to be very unproductive. The chief plants gathered were :—

Sibbaldia procumbens	Gnaphalium supinum
Saxifraga oppositifolia	Saussurea alpina
" stellaris	Polygonum viviparum
" aizoides	Salix herbacea
" hypnoides	Cystopteris fragilis
Epilobium alpinum	Lycopodium Selago
Solidago Virgaurea	" clavatum
Antennaria dioica	" selaginoides

The party, after remaining for some time on the summit of Ben More, proceeded to Ben A'an, a mountain close to it and nearly as high. The rocks looking to the north-east were very promising and yielded some good plants.

Among others may be noted :—

Draba rupestris	Carex pulla
Cochlearia grœnlandica	Aira cœspitosa vivipara
Sagina nivalis	Poa alpina
Saxifraga nivalis	" Balfourii
Armeria maritima	Polystichum Lonchitis
Veronica humifusa	

Descended to Ben More Farm at 4.30 and met our drag. Returned to Inverarnan at 6 p.m.

Friday, 12th August 1864.

Another fine day. Started by the steamboat at 6.15 a.m. for Taret. Return tickets, 1s. Walked to Arrochar and then breakfasted. Afterwards ascended the Cobbler and Ben Ime.

Among the plants collected were the following :—

Nasturtium palustre	Sedum Rhodiola
Draba incana	Carum verticillatum
Sibbaldia procumbens	Aster Tripolium
Saxifraga oppositifolia	Gnaphalium supinum
" stellaris	Saussurea alpina
" aizoides	Hieracium alpinum
" hypnoides	" Lawsoni

Armeria maritima
Scutellaria galericulata
Stachys ambigua
Polygonum viviparum
Salix herbacea
Juncus trifidus
 " *triglumis*
Luzula spicata
Carex rigida

Aira cæspitosa
Poa Balfourii
Hymenophyllum Wilsoni
Cryptogramme crispa
Polystichum Lonchitis
Lastrea dilatata and vars.
Polypodium Dryopteris
 " *Phegopteris*

Descended from Ben Ime into the glen leading into Inverglas, but unfortunately turned off to the right and had a long and fatiguing walk to Arrochar, in place of reaching the shore of Loch Lomond as we intended.

Reached Tarbet at 6 p.m. in time for the boat to Inverarnan. Met Dr. Philip Malyon and his wife and Mr. John MacLagan on board. Reached the inn about 7.30 p.m.

Saturday, 13th August 1864

The party broke up to-day. Some started about 10 a.m. and walked along the shore of Loch Lomond to Tarbet, where they met the boat for Edinburgh about 2.20 p.m. and returned to Edinburgh by Stirling. On their walk they gathered :—

Hypericum humifusum
Drosera anglica
Scutellaria galericulata

Littorella lacustris
Osmunda regalis

Neighbourhood of Dunkeld.

Thursday, 19th August 1864.

Visited hills near Dalguise House about five and a half miles from Dunkeld.

Among the plants gathered were the following :—

Genista anglica
Vaccinium Vitis-Idæa
Arctostaphylos Uva-ursi
 (very abundant)
Trientalis europæa

Pteris aquilina
Blechnum boreale
Asplenium Trichomanes
Athyrium Filix-fœmina
Cystopteris fragilis

Polystichum aculeatum	Polypodium Dryopteris
Lastrea Oreopteris	" Phegopteris
" Filix-mas	Lycopodium Selago
" dilatata	" clavatum
" Fœnisecii ?	" alpinum
Polypodium vulgare	

The hills are not of great elevation.

In a pond on the hills :—

Hippuris vulgaris	Juncus uliginosus
Peplis Portula	

Ballinluig, Dalnaspidal, Sow of Athole, Dalwhinnie.

Friday, 20th August 1864.

Proceeded to Ballinluig, and thence by train to Dalnaspidal, which was reached about 1 p.m. Ascended Sow of Athole.

Gathered :—

Rubus Chamæmoros	Phyllodoce cærulea (past flowering)
Sibbaldia procumbens	Lycopodium Selago
Alchemilla alpina	" annotinum
Saxifraga stellaris	" (abundant)
" aizoides	" clavatum
Cornus suecica	" alpinum
Gnaphalium supinum	
Azalea procumbens	

On the summit :—

Calluna vulgaris (dwarf)	Azalea procumbens
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The *Phyllodoce* was gathered about three-quarters of the way up the hill on the side next to Dalnaspidal. Carried with me some seeds of the *Phyllodoce cærulea* from the Botanic Garden and sowed them on the spot where the plant was growing. There might be some seeds of *Phyllodoce empetrifolia* amongst them, as both plants are growing together in the Botanic Garden. Walked on to Dalwhinnie. Good inn kept by Pullar. Ben Alder—a high hill near, on side of Loch Ericht—worth visiting. Returned by train, which reached Dalguise at 6.5 p.m.

Dalguise, Dunkeld, Murthly, Birnam.*Saturday, 21st August 1864.*

Walked by the hills behind Dalguise to Dunkeld and then to Stenton Rock. Gathered a few common ferns. Could not see *Asplenium germanicum*, vegetation much withered. Crossed by Miller's boat to Murthly grounds and walked to Birnam. Then by train to Dalguise at 5 p.m.

Killiecrankie.*Monday, 23rd August 1864.*

Visited Killiecrankie and gathered *Lathyrus niger*. The station of this plant nearly destroyed by the railway cutting. Great part of the plant covered with rubbish. Met William Mackintosh, the guide, who had been at Glen Tilt when the botanists were stopped in 1847. He asked us to visit his cottage, and gave us milk, also a specimen of *Cryptogramme crispa* from a neighbouring hill. Walked through the glen and through Faskally grounds to Pitlochry, meeting Mr. Barbour of Bonskeid on the way. Returned to Dalguise at 6.5 p.m.

Ben Lawers.*Thursday, 25th August 1864.*

Left Dalguise at 9.30 a.m. by coach for Aberfeldy, Kenmore, and Lawers Inn, which was reached about one. Ascended Ben Lawers. Day remarkably fine, although there were a few showers, one of them a shower of hail. Gathered abundance of *Sagina nivalis* and other *Saginas*. Did not meet with *Alsine rubella*. On summit of hill found:—

Draba incana	Saxifraga nivalis
" rupestris	" cernua
Cerastium alpinum	Leontodon Taraxacum
Cherleria sedoides	Myosotis alpestris

and all the ordinary alpine species.

Returned to Lawers Inn at 7 p.m. Remained there all night. Next morning walked to Kenmore to breakfast, and returned to Dalguise about 12 noon.

EXCURSIONS IN 1865.

Penicuik.

Saturday, 13th May 1865.

Day very wet. Party of 40 met at the North British Railway Station at 8 a.m. and proceeded to Penicuik. Visited the glen and Mr. Cowan's paper works, and returned by train at 11.35 a.m.

Among the plants collected were the following:—

Anemone nemorosa	Salix cinerea
Ranunculus auricomus	Neottia Nidus-avis
Caltha palustris	Luzula sylvatica
Viola sylvatica	Blechnum boreale
Oxalis Acetosella	Athyrium Filix-fœmina
Lathyrus macrorrhizus	Polypodium vulgare
Prunus spinosa	" Dryopteris
" Padus	" Phegopteris
Geum rivale	Equisetum arvense
Chrysosplenium alterni-	" umbrosum
folium	" sylvaticum
Tussilago Farfara	Neckera complanata
Pyrola minor	Peltidea scutata
Primula vulgaris	Calicium chrysocephalum
Symphytum tuberosum	Alectoria jubata
Mercurialis perennis	Morchella esculenta

Kinghorn, Burntisland.

Saturday, 20th May 1865.

Party of 80 met at 9.30 a.m. at Edinburgh, Perth, and Dundee Station, and proceeded to Kinghorn. Walked by shore to Burntisland. Some visited Kinghorn Loch. Returned by boat at 3 p.m.

Among the plants collected were the following :—

Ranunculus heterophyllus	Primula elatior
" hederaceus	Myosotis collina
" bulbosus	Linaria Cymbalaria
Fumaria pallidiflora	Veronica hederæfolia
Cheiranthus Cheiri	" polita
Barbarea vulgaris	" arvensis
Arabis hirsuta	" serpyllifolia
Alyssum calycinum	Salvia Verbenaca
Cochlearia danica	Lamium amplexicaule
Armoracia rusticana	" intermedium
Brassica campestris	" purpureum
Thlaspi arvense	" incisum
Helianthemum vulgare	Plantago maritima
Viola canina	" Coronopus
Silene maritima	Hippophaë rhamnoides
Cerastium tetrandrum	Urtica urens
" semidecandrum	Salix alba
" arvense	Orchis mascula
Honckenya peploides	Endymion nutans
Linum catharticum	Luzula multiflora
Geranium molle	Potamogeton lucens
Vicia hirsuta	Sclerochloa maritima
" lathyroides	" loliacea
Ribes rubrum	Asplenium Adiantum-
" nigrum	nigrum
Myrrhis odorata	" Ruta-muraria
Anthriscus vulgaris	Botrychium Lunaria
Centranthus ruber	Equisetum limosum
Valerianella olitoria	Grimmia leucophæa
Leontodon lævigatus	" Schisti
Armeria maritima	" maritima

North Berwick, Canty Bay, Tantallon Castle, Bass.

Saturday, 27th May 1865.

Party of 60 met at the Waverley Station at 8 a.m. and proceeded to North Berwick. Walked by the shore to Canty

Bay. Some visited the Bass, others went to Tantallon Castle, others visited North Berwick Law. Returned by train at 2.55 p.m. Return tickets, 1s. 6d.

Among the plants gathered were the following :—

Papaver Argemone	Leontodon lævigatus
Cheiranthus Cheiri	Armeria maritima
Amoracia rusticana	Primula caulescens
Lepidium latifolium	" veris
Reseda Luteola	Anchusa sempervirens
Viola sylvatica	Lycopsis arvensis
Silene maritima	Myosotis collina
Lychnis vespertina	Veronica serpyllifolia
Honckenya peploides	Lamium amplexicaule
Linum catharticum	Plantago Coronopus
Geranium molle	Humulus Lupulus
Anthyllis Vulneraria	Orchis mascula
Astragalus hypoglottis	Ornithogalum umbellatum
Vicia sylvatica	Carex arenaria
Geum urbanum	Psamma arenaria
Cratægus Oxyacantha	Elymus arenarius
Saxifraga granulata	Blechnum boreale
Conium maculatum	Asplenium Adiantum-
Sambucus nigra	nigrum
Valerianella olitoria	Botrychium Lunaria
Petasites fragrans	

Cockburnspath, Pease Dene, Dunglass Dene.

Saturday, 3rd June 1865.

Party of 62 met at Waverley Station at 8 a.m. and proceeded to Cockburnspath. Walked to Pease Bridge and Dene, along the shore to Dunglass Dene, and returned by train at 2.33 p.m., reaching Edinburgh at 3.35 p.m.

Among the plants collected were the following :—

Ranunculus hederaceus	Brassica campestris
Papaver Argemone	Helianthemum vulgare
Glaucium luteum	Silene maritima
Cardamine amara	Stellaria Holostea
Cochlearia officinalis	Arenaria trinervia
Alliaria officinalis	Honckenya peploides

Sagina procumbens	Lamium amplexicaule
Geranium sylvaticum	" intermedium
Erodium cicutarium	" incisum
Ilex Aquifolium	" album
Acer campestre	Atriplex Babingtonii
Anthyllis Vulneraria	Rumex sanguineus, var.
Astragalus hypoglottis	viridis
Vicia sativa	Hippophaë rhamnoides
Geum urbanum	Orchis mascula
Saxifraga granulata	" latifolia
Sanicula europæa	" maculata
Scandix Pecten-Veneris	Allium ursinum
Anthriscus sylvestris	Endymion nutans
Cenanthe crocata	Luzula sylvatica
Asperula odorata	Triglochin palustre
Eupatorium cannabinum	" maritimum
Anthemis arvensis	Carex vulpina
Carduus tenuiflorus	" pendula
Hieracium Pilosella	Anthoxanthum odoratum
Armeria maritima	Alopecurus geniculatus
Lysimachia nemorum	Pinus sylvestris
Symphytum tuberosum	Asplenium marinum
Lycopsis arvensis	Scolopendrium vulgare
Myosotis sylvatica	Polystichum angulare
" collina	Equisetum limosum
" versicolor	Isoetecium alopecurum
Veronica hederæfolia	Neckera complanata
" polita	Hypnum aduncum
" arvensis	Bryum nutans
" serpyllifolia	Anomodon viticulosus
" montana	Sticta sylvatica
" Beccabunga	

St. Boswells, Melrose, Dryburgh, Eildon Hills.

Saturday, 10th June 1865.

Party of 90 met at the Waverley Station at 9.45 a.m. and proceeded by train to St. Boswells. Walked by banks of Tweed to Melrose. Some visited Dryburgh and Eildon Hills. Returned by train passing Melrose at 4.2 p.m. Return tickets, 2s. 6d.

Among the plants collected were the following :—

halictrum flexuosum	Echium vulgare
Ranunculus heterophyllus	Verbascum Thapsus
Aquilegia vulgaris	Scrophularia nodosa
Fumaria pallidiflora	Veronica serpyllifolia
Cheiranthus Cheiri	Lathræa Squamaria
Barbarea vulgaris	Pinguicula vulgaris
Cochlearia officinalis (Mel-	Plantago media
rose Abbey)	Orchis latifolia
Viola odorata	Allium ursinum
" tricolor	Ornithogalum umbellatum
Stellaria nemorum	Juncus effusus
Arenaria serpyllifolia	Luzula sylvatica
Linum catharticum	Carex vulgaris
Geranium lucidum	Melica uniflora
Anthyllis Vulneraria	Juniperus communis
Geum intermedium	Taxus baccata
Potentilla reptans	Pinus sylvestris
Ribes alpinum	Allosorus crispus
Circeæ alpina	Asplenium Adiantum-
Galium boreale	nigrum
Asperula odorata	" Trichomanes
Dipsacus sylvestris	" Ruta-muraria
Doronicum Pardalianches	Polystichum aculeatum
Hieracium Pilosella	Neckera complanata
Lysimachia nemorum	Anomodon viticulosus
Symphytum officinale	Parmelia pulverulenta
Anchusa sempervirens	Ramalina fastigiata
Myosotis sylvatica	

Dolphinton.

Saturday, 17th June 1865.

Party of 65 met at the Waverley Station at 8 a.m. and proceeded to Dolphinton. Examined the boggy ground in the neighbourhood and the woods. Lunched with Mr. Mackenzie of Dolphinton House. Returned by train at 2.20 p.m. Return tickets, 1s. 9d.

Among the plants collected were the following :—

Berberis vulgaris	Erica Tetralix
Meconopsis cambrica	Pyrola minor
Cardamine palustris	Primula farinosa
(double)	Menyanthes trifoliata
Viola palustris	Myosotis cæspitosa
„ lutea	Pedicularis sylvatica
Cerastium arvense	Orchis incarnata
Spergula arvensis	„ latifolia
Linum catharticum	„ maculata
Sedum villosum	Luzula congesta
Drosera rotundifolia	Eriophorum polystachyon
Cornus sanguinea	„ latifolium
Antennaria dioica	Carex disticha
Achillea Ptarmica	„ panicea
Senecio aquaticus	„ ampullacea
Apargia autumnalis	Botrychium Lunaria
Vaccinium Oxycoccus	

**North Queensferry, South Queensferry, Ferry Hills,
Inverkeithing, Dalmeny, Almond Bridge.**

Saturday, 24th June 1865.

Party of 24 met at Granton at 8.30 a.m. and proceeded by steamboat to North Queensferry. Examined hills near Ferry. Walked towards Inverkeithing. Crossed the Ferry to South Queensferry. Walked by Dalmeny Park and Almond Bridge to Edinburgh. Pier, 2d. Steamboat, 6d. Pier at Queensferry, 6d. Ferry across, 6d. Mr. Gray joined the party at Queensferry.

Among the plants gathered were the following :—

Thalictrum flexuosum	Sagina maritima
Papaver dubium	Lepigonum marinum
Brassica campestris	Malva rotundifolia
Thlaspi arvense	Geranium sanguineum
Cakile maritima	Acer campestre
Reseda lutea	Medicago sativa
„ Luteola	Trifolium hybridum
Helianthemum vulgare	Vicia lutea

Spiræa salicifolia	Glaux maritima
" Filipendula	Echium vulgare
Geum intermedium	Linaria Cymbalaria
Potentilla reptans	Digitalis purpurea
Ribes alpinum	Plantago maritima
Sedum villosum	" Coronopus
Hydrocotyle vulgaris	Hippophaë rhamnoides
Pimpinella Saxifraga	Euphorbia Helioscopia
Anthriscus vulgaris	Neottia Nidus-avis
Oenanthe crocata	Listera ovata
Lonicera Periclymenum	Goodyera repens
Aster Tripolium	Epipactis latifolia
Doronicum Pardalianches	Orchis latifolia
Carduus tenuiflorus	" maculata
" acanthoides	Allium vineale
Campanula rotundifolia	Lemna minor
Erica cinerea	Triglochin maritimum
Pyrola minor	Asplenium viride, var.
Armeria maritima	varians

Largo, Elie.

Saturday, 1st July 1865.

Party of 46 met at the Edinburgh, Perth, and Dundee Railway Station at 6.25 a.m. and proceeded to Largo. Met Mr. Howie, who had made arrangements for breakfast in the Schoolhouse of Upper Largo (or the Kirkton of Largo). Mrs. Ireland, baker in the village, provided the breakfast. The arrangements were most satisfactory. After breakfast walked by shore to Elie and gathered very good plants. Return tickets, 2s. 6d.; breakfast, 1s. 6d.

Among the plants gathered were the following :—

Thalictrum minus	Senebiera didyma
Ranunculus sceleratus	" Coronopus
Papaver Argemone	Thlaspi arvense
Sinapis nigra	Reseda lutea
Diploxys tenuifolia	Lepigonum marinum
" muralis	Malva rotundifolia

<i>Linum usitatissimum</i>	<i>Listera ovata</i>
<i>Geranium sanguineum</i>	<i>Orchis incarnata</i>
<i>Melilotus officinalis</i>	<i>Habenaria viridis</i>
<i>Trifolium arvense</i>	<i>Sparganium ramosum</i>
" <i>hybridum</i>	<i>Scirpus maritimus</i>
<i>Astragalus hypoglottis</i>	<i>Blysmus rufus</i>
" <i>Glyciphyllus</i>	<i>Schoenus nigricans</i>
<i>Agrimonia Eupatoria</i>	<i>Carex pulicaris</i>
<i>Sedum reflexum</i>	" <i>incurva</i>
<i>Hydrocotyle vulgaris</i>	<i>Phalaris arundinacea</i>
<i>Eranthe crocata</i>	<i>Psamma arenaria</i>
<i>Valerianella dentata</i>	<i>Triodia decumbens</i>
<i>Matricaria inodora</i> , var.	<i>Koeleria cristata</i>
<i>maritima</i>	<i>Sclerochloa distans</i>
<i>Centaurea Scabiosa</i>	<i>Asplenium marinum</i>
<i>Anagallis tenella</i>	<i>Botrychium Lunaria</i>
<i>Mertensia maritima</i>	<i>Equisetum variegatum</i>
<i>Echium vulgare</i>	<i>Chara vulgaris</i>
<i>Lycium barbarum</i>	<i>Hypnum giganteum</i>
<i>Atriplex littoralis</i>	" <i>lycopodoides</i>
<i>Salsola Kali</i>	

**Leslie, Prinlaws, West Lomond Hill, Bishop Hill, Glen
Vale, Loch Leven.**

Saturday, 8th July 1865.

Party of 50 met at the Edinburgh, Perth, and Dundee Station at 6.25 a.m. and proceeded to Leslie. Mr. Wylie of Prinlaws met the party and entertained them to breakfast in the School-room at Prinlaws. Mr. Barclay from Cupar was there. Dr. Grainger-Stewart and Rev. Mr. Colvin were of the party. After breakfast the party walked to the West Lomond Hill and the Bishop Hill, Glen Vale, and Loch Leven. Return tickets, 2s.

Among the plants collected were the following :—

<i>Hypericum pulchrum</i>	<i>Vicia sepium</i>
<i>Trifolium medium</i>	<i>Rosa tomentosa</i>
<i>Lotus major</i>	<i>Saxifraga hypnoides</i>
<i>Vicia Cracca</i>	<i>Sedum villosum</i>

<i>Drosera rotundifolia</i>	<i>Listera cordata</i>
<i>Epilobium alsinifolium</i>	<i>Habenaria viridis</i>
<i>Pimpinella Saxifraga</i>	" <i>bifolia</i>
<i>Galium saxatile</i>	" <i>chlorantha</i>
<i>Scabiosa Succisa</i>	<i>Narthecium ossifragum</i>
<i>Antennaria dioica</i>	<i>Juncus acutiflorus</i>
<i>Achillea Ptarmica</i>	<i>Luzula multiflora</i> , var. <i>con-</i>
<i>Anthemis arvensis</i>	<i>gesta</i>
<i>Carduus heterophyllus</i>	<i>Triglochin palustre</i>
<i>Crepis paludosa</i>	<i>Carex pauciflora</i>
<i>Campanula rotundifolia</i>	" <i>ovalis</i>
<i>Vaccinium Vitis-Idæa</i>	" <i>pilulifera</i>
<i>Linaria vulgaris</i>	" <i>binervis</i>
<i>Scrophularia nodosa</i>	" <i>flava</i>
<i>Digitalis purpurea</i>	<i>Agrostis pumila</i>
<i>Polygonum Persicaria</i>	<i>Molinia cærulea</i>
<i>Rumex aquaticus</i>	<i>Cryptogramme crispa</i>
<i>Euphorbia Helioscopia</i>	<i>Blechnum boreale</i>
<i>Corylus Avellana</i>	<i>Cystopteris fragilis</i>
<i>Empetrum nigrum</i>	<i>Lastrea Oreopteris</i>

Lochmaben.

Saturday, 15th July 1865.

Party of 44 met at the Caledonian Railway Station at 7.45 a.m. and proceeded to Lochmaben, which was reached about 11. Met Sir Wm. Jardine, the Rev. Dr. Liddell of Lochmaben, Dr. Gilchrist and friend from Dumfries, Dr. Grierson from Thornhill, and Mr. Gray from Dumfries. The Rev. Wm. Graham and the Rev. R. Colvin were in the party. Forty-four sat down to breakfast in John White's Commercial Hotel. Afterwards walked round Castle Loch to Bruce's Castle and then by Kirk Loch and Lochmaben. Railway tickets, 5s.; breakfast, 1s. 6d.

The following were among the plants collected :—

<i>Ranunculus circinatus</i>	<i>Corydalis claviculata</i>
" <i>reptans</i>	<i>Viola palustris</i>
" <i>Lingua</i>	<i>Hypericum maculatum</i>
<i>Nymphæa alba</i>	" <i>pulchrum</i>
<i>Nuphar lutea</i>	<i>Malva rotundifolia</i>

Rubus suberectus	Vaccinium Oxycoccus
Sempervivum tectorum	Andromeda polifolia
Hippuris vulgaris	Myosotis cæspitosa
Myriophyllum spicatum	Veronica scutellata
Callitriche autumnalis	Scutellaria galericulata
Peplis Portula	Stachys ambigua
Lythrum Salicaria	Littorella lacustris
Cicuta virosa	Myrica Gale
Carum verticillatum	Typha angustifolia
Sambucus Ebulus	Alisma Plantago
Gnaphalium sylvaticum	" ranunculoides
Bidens cernua	Scirpus lacustris
" tripartita	Carex Ederi
Senecio sylvaticus	Phalaris arundinacea
" erucifolius	Asplenium Adiantum-
" aquaticus	nigrum
Jasione montana	Chara flexilis

Aberfeldy and Ben Lawers.

Friday, 21st July 1865.

Party, consisting of John Archibald, J. H. Balfour, C. B. Black, James G. Black, M.A., T. L. Brunton, J. W. Burman, Alex. Craig Christie, Edward Clondsley, Robert P. Colvin, William Craig, Jas. H. Cunningham, John Drysdale, John K. Duncanson, James J. Fulton, Alexander Glendinning, George Low, William Boydell Lowe, John Murray, J. F. Naylor, Robert Pouget, Gilbert C. A. Stuart, James Thomson, G. A. Tibson, James Watters, George Waugh, and J. T. Wightman, met at the Edinburgh, Perth, and Dundee Railway Station at 1.10 p.m. and proceeded by train to Aberfeldy. Return ticket, 6s. 6d. Went to Mackenzie's Breadalbane Arms Inn. Visited the Falls of Moness, and gathered—

Campanula latifolia	Hymenophyllum Wilsoni
Trientalis europæa	Asplenium viride
Melampyrum sylvaticum	

Took tea at the inn. Mr. Naylor, Mr. G. Stuart, Mr. R. Black, and Mr. Duncanson started in a drosky at 12 p.m., and pro-

ceeded to Ben Lawers to see the sun rise and to meet the remainder of the party in the morning.

Saturday, 22nd July 1865.

Party rose at 3 a.m., and at 4 proceeded by stage coach (holding twenty-two) to Lawers Inn. Botanised on Ben Lawers and returned to Lawers Inn about 2 p.m., whence they returned to Aberfeldy about 4. After tea returned by train at 4.40, reaching Edinburgh about 10 p.m. The weather was excellent, although very hot.

The following are some of the plants collected :—

<i>Draba incana</i>	<i>Oxyria reniformis</i>
" <i>rupestris</i>	<i>Salix Lapponum</i>
<i>Cochlearia alpina</i>	" <i>herbacea</i>
<i>Silene acaulis</i>	" <i>reticulata</i>
<i>Cerastium alpinum</i>	<i>Narthecium ossifragum</i>
<i>Sagina saxatilis</i>	<i>Tofieldia palustris</i>
" <i>navalis</i>	<i>Juncus biglumis</i>
<i>Hypericum calycinum</i>	" <i>triglumis</i>
<i>Rubus saxatilis</i>	<i>Luzula spicata</i>
" <i>Chamaemorus</i>	<i>Carex dioica</i>
<i>Sibbaldia procumbens</i>	" <i>rigida</i>
<i>Saxifraga oppositifolia</i>	<i>Milium effusum</i>
" <i>navalis</i>	<i>Aira alpina</i>
" <i>stellaris</i>	<i>Holcus mollis</i>
" <i>cernua</i>	<i>Poa alpina</i>
<i>Epilobium alsinifolium</i>	<i>Hymenophyllum Wilsoni</i>
" <i>alpinum</i>	<i>Pteris aquilina</i>
<i>Galium boreale</i>	<i>Cryptogramme crispa</i>
<i>Gnaphalium sylvaticum</i>	<i>Asplenium viride</i>
" <i>supinum</i>	" <i>Trichomanes</i>
<i>Carduus heterophyllus</i>	<i>Polypodium alpestre</i>
<i>Saussurea alpina</i>	" <i>Phegopteris</i>
<i>Apargia Taraxaci</i>	<i>Cystopteris fragilis</i>
<i>Campanula latifolia</i>	<i>Polystichum Lonchitis</i>
<i>Trientalis europæa</i>	<i>Botrychium Lunaria</i>
<i>Myosotis alpestris</i>	<i>Lycopodium Selago</i>
<i>Veronica humifusa</i>	" <i>clavatum</i>
<i>Calamintha Clinopodium</i>	" <i>alpinum</i>
<i>Polygonum viviparum</i>	" <i>selaginoides</i>

Clova.*Wednesday, 2nd August 1865.*

Party, consisting of J. H. Balfour, John K. Duncanson, W. R. M'Nab, F. Naylor, Gilbert C. A. Stuart, and M. Watson, met at the Edinburgh, Perth, and Dundee Railway Station on Wednesday, 2nd August, at 9.45 a.m., and proceeded to Kirriemuir. Return tickets, 7s. 6d. From Kirriemuir the whole party went in conveyances, leaving Kirriemuir about 3 and reaching Clova about 6 p.m. They were accommodated at Mr. Barnes' inn—the Ogilvy Arms.

Thursday, 3rd August 1865.

Started at 8 a.m. in two conveyances for Acharn (Robert Welsh). Thence walked up Glen Dole and by Jock's Road along the banks of the White Water to a point not far from Canness. Visited Little Gilrannoch, and returned by the Astragalus cliff and Glen Dole to Clova, which was reached about 7 p.m. The party intended to go to Canlochan, but they found the distance too great. All the ordinary alpine plants were collected, and among special plants were the following:—

Cochlearia officinalis	Armeria maritima (alpine form)
„ alpina	Veronica alpina
Lychnis alpina	Juncus castaneus
Cherleria sedoides	Carex aquatilis
Sibbaldia procumbens	„ capillaris
Dryas octopetala	Alopecurus alpinus
Epilobium alsinifolium	Phleum alpinum
„ alpinum	Asplenium viride
Cornus suecica	Polypodium alpestre (in various states)
Erigeron alpinus	
Gnaphalium supinum	
Mulgedium alpinum (in full flower, below the waterfall in a river not far from the Astragalus cliff)	

Friday, 4th August 1865.

At 8 a.m. the party started for Canlochan, carrying with them knapsacks and some provisions, with the intention of remaining at Canlochan during the night. They were compelled to do this on account of not being able to procure a man at Clova to take baggage and provisions over to Canlochan. The day being warm and sunny the progress of the party was much impeded by the load which they had to carry.

The party first went by cart to Acharn, thence they went to the *Malaxis* station and gathered the plant; next they went to Glen Fee, and picked *Oxytropis campestris*, *Arctostaphylos Uva-ursi*, *Galium pusillum*, and many alpine plants.

Went to the upper end of Glen Fee, and thus crossed by the table-land to Canness. Descended into the glen, and reached the sheiling at the foot of Canlochan. There was no one in it. The party deposited their baggage, along with tea, sugar, and butter, and then proceeded to botanise in Canlochan Glen. Went round the glen and examined specially the rocks at the upper part marked by the streaks of quartz. Among the plants gathered were *Carex vaginata*, *Juncus castaneus*, and *Mulgedium alpinum* in two places; in one there were seventy-seven specimens in full flower; in the other only one in flower.

Among other plants seen may be noticed :—

Dryas octopetala	Gentiana campestris (alpine
Potentilla alpestris	form)
Sibbaldia procumbens	Veronica humifusa
Saxifraga nivalis	„ alpina
Erigeron alpinus	„ saxatilis
Gentiana nivalis	Juncus triglumis
	Carex atrata

Returned to the sheiling about 8 p.m. Lighted a camp fire and cooked our evening meal. The night was cold, and the fire had to be kept up all night.

Saturday, 5th August 1865.

Rose at 5, made breakfast, and at 7 started for the rock of Canness. Several alpine plants were gathered, such as

Veronica alpina, *Poa alpina*, and *Polypodium alpestre* (in various forms). On reaching top of Canness, the party went by Little Gilrannoch to the head of Glen Dole, gathering *Lychnis alpina* and *Carex rariflora* near it, as well as at the head of Glen Dole. Mr. Stuart and Mr. Watson visited the *Astragalus* cliff, but failed to get the plant. All then proceeded by Glen Dole to Acharn, where they met the dogcart, which, however, broke down near Braedownie, and a cart was substituted. Reached Clova about 5 p.m. to dinner.

Monday, 7th August 1865.

About 9 a.m. party went to climb hill opposite the hotel, gathering *Tofieldia palustris*, *Lycopodium annotinum*, *Azalea procumbens*, and walked along top of the mountain towards Glen Fee, but did not find *Arctostaphylos alpina*.

Mist and rain came on. The weather was changeable—fair and sunny at one time and raining at another. Visited corrie at entrance of Glen Fee, also large corrie further up, and gathered *Carex vaginata*, *C. Vahlitii*, *Salix Lapponum*, *Azalea procumbens*.

Failed to get *Carex Grahmi*. Saw *Polypodium alpestre* and many alpine plants. Returned to Clova by cart from Acharn about 7.

Tuesday, 8th August 1865.

This morning at 9, Dr. Balfour, Messrs. Naylor, Stuart, and Duncanson left in a cart for Bachnagairn with the view of visiting Lochnagar. Mr. M'Nab and Mr. Watson went to Loch Brandy and gathered *Isoetes lacustris*, *Subularia aquatica*, *Lobelia Dortmanna*, *Sparganium natans*, *Juncus supinus*, var.

The Lochnagar party visited the beautiful waterfall at Bachnagairn, and then walked across the hills to Glen Muick. Passing between Loch Muick and Dhu Loch, they ascended the hill and walked towards Lochnagar. Reached the top of the mountain before 3. Found a party there along with a game-keeper. Descended the ravine near the summit and botanised at the foot of the cliffs, and were rewarded with specimens of *Cerastium latifolium*, *Saxifraga rivularis*, *Aira alpina* (vivi-

parous), *Poa alpina*, *Cryptogramme crispa*, *Polypodium alpestre* (in various forms).

Rain descended heavily and continued to do so all the afternoon; the mist also was so thick that the party had to use a compass for their guidance. Ascended the mountain and proceeded along the road made lately for the Royal visitors to the Dhu Loch.

The walk back to Loch Muick was wet and dreary, then the party ascended the hill and reached the glen of the Esk about one mile above Bachnagairn, and had to proceed through wet woods beside the swollen and roaring Esk with its waterfalls. At the shooting-lodge of Mr. Donald Ogilvy they got some bread and cheese, and returned by the cart, amidst rain and mist, thoroughly drenched, to Clova, which was reached about 10 p.m. The journey was a long and fatiguing one. The view from Lochnagar was very fine; the party enjoyed it before the mist and rain came on.

Wednesday, 9th August 1865.

This morning, about 7, Mr. Naylor and Mr. Stuart went to Loch Brandy, bathed in it, and gathered the usual plants. All breakfasted together at 10 a.m. Day was dull, but no rain. All went to the cave near Braedownie, which was visited with lighted candles. A photograph was taken of the cave and the rocks around it. Dr. Balfour, Messrs. Stuart, Duncanson, and Watson crossed the Esk at Braedownie and visited Isabella Mackenzie, the woman without hands and feet. Gathered *Sparganium simplex* and *Gymnadenia albida*.

Returned to the inn at 5.30 p.m. for dinner. Arranged plants and packed up roots for Botanic Garden. The evening cleared and the moonlight was beautiful.

Thursday, 10th August 1865.

Breakfasted about 8 a.m., and Messrs. Naylor, Stuart, M'Nab, Watson, and Duncanson left in two dogcarts at 9 a.m. for Kirriemuir on their way to Edinburgh, whilst Dr. Balfour remained at Clova.

Wednesday, 16th August 1865.

Dr. Balfour and A. F. Balfour left the inn at Clova in order to visit the head of Glen Prosen. They walked up Glen Clova as far as the gamekeeper's house, and then ascended the mountain called Driesch, whence they walked by the head of Glen Fee to rocks at the head of Prosen. At the top of the glen there are two divisions, one to the east, nearest Glen Fee, and the other to the west. The latter seems to be the proper head of the glen, although the stream in the former is larger and seems to be more properly Prosen Water. Both of the small glens were visited; in that on the east all the ordinary alpine plants were gathered:—

Sibbaldia procumbens		Saxifraga oppositifolia
Saxifraga aizoides		Gnaphalium supinum
" stellaris		Juncus triglumis

Large specimens of *Angelica sylvestris* and of *Valeriana officinalis* were seen in flower. On rocks on west of the glen there was abundance of *Carex vaginata* and *Saussurea alpina*. Few ferns in the glen. In the glen to the west, and specially on the rocks on its western side, there was great profusion of *Polystichum Lonchitis*, *Lastrea dilatata* in all its forms, *Lastrea spinulosa* and *Polypodium alpestre* in various forms. Looked for *Polypodium flexile*, but could not see any distinct specimens, although some varieties seemed to approach it. This little glen seems to be worthy of careful examination; the time allowed was too short. Returned to Clova in a direct line over the hills; a fatiguing walk.

Friday 18th August 1865.

On Craig Bruich, the saddle-backed mountain above Acharn, I gathered to-day:—

Saxifraga oppositifolia		Carex vaginata
Gnaphalium supinum		Polypodium alpestre (in
Azalea procumbens		forms)
Tofieldia palustris		

and the ordinary alpine plants.

EXCURSIONS IN 1866.

Ratho, Kirkliston, and Dalmeny Park.

Saturday, 12th May 1866.

Party of 92 met at the North British Railway Station (Waverley Bridge) at 11.30 a.m. Proceeded to Ratho, walked to Kirkliston and Dalmeny Park. Returned from Dalmeny Station by train at 5.55 p.m. Return tickets, 1s.

The following were among the plants collected :—

Anemone nemorosa	Primula caulescens
Cheiranthus Cheiri	Vinca minor
Draba verna	Anchusa sempervirens
Alliaria officinalis	Omphalodes verna
Brassica Rapa	Linaria Cymbalaria
Lunaria biennis	Lamium amplexicaule
Viola odorata	„ incisum
Oxalis Acetosella	Polygonum Bistorta
Acer platanoides	Daphne Laureola
Prunus domestica	Carpinus Betulus
Pyrus Malus	Listera ovata
Saxifraga granulata	Orchis mascula
Ribes nigrum	Allium vineale
Myrrhis odorata	Lilium Martagon
Asperula odorata	Luzula sylvatica
Valerianella olitoria	Arum maculatum
Doronicum plantagineum	Ophioglossum vulgatum

Some of the party visited Cramond Bridge and collected :—

Asplenium Adiantum-nig- rum	Scolopendrium vulgare
Asplenium Ruta-muraria	Cystopteris fragilis

Burntisland and Aberdour.

Saturday, 26th May 1866.

Party of 110 met at Scotland Street Station at 9.45 a.m. and proceeded to Burntisland, thence walked to Aberdour by the

shore. Returned by boat leaving Burntisland 3.3 p.m. Return tickets, 1s.

The following were among the plants collected :—

Ranunculus auricomus	Pyrus Malus
Berberis vulgaris	Saxifraga granulata
Fumaria pallidiflora	Ribes rubrum
Cheiranthus Cheiri	Adoxa Moschatellina
Barbarea vulgaris	Leontodon lævigatus
Sisymbrium Thalianum	Armeria maritima
Alliaria officinalis	Glaux maritima
Brassica campestris	Anchusa sempervirens
Lepidium Draba	Myosotis collina
Thlaspi arvense	Echium vulgare
Reseda Luteola	Antirrhinum majus
Helianthemum vulgare	Plantago Coronopus
Viola tricolor	Rumex sanguineus
Silene maritima	" viridis
Cerastium trigynum	Daphne Laureola
Arenaria trinervia	Parietaria diffusa
Geranium sanguineum	Blysmus rufus
" dissectum	Carex distans
Ilex Aquifolium	Asplenium Adiantum-
Anthyllis Vulneraria	nigrum
Astragalus hypoglottis	Botrychium Lunaria
Vicia hirsuta	Equisetum palustre
Geum rivale	Exidia Auricula-Judæ
Fragaria elatior	

Some of the party visited Dunearn hill and collected :—

Viola lutea	Salix repens
Scutellaria galericulata	Lycopodium clavatum

Gorebridge, Arniston, Dalhousie.

Saturday, 2nd June 1866.

Party of 35 met at the Waverley Station at 12.30 p.m. Proceeded to Gorebridge, thence walked to Arniston and Dalhousie. Returned from Dalhousie at 7.17 p.m. Return tickets, 1s.

The following were among the plants collected :—

Aquilegia vulgaris	Ribes nigrum
Aconitum Napellus	Sanicula europæa
Berberis vulgaris	Scandix Pecten-veneris
Barbarea vulgaris	Hedera Helix
Brassica campestris	Asperula odorata
Reseda Luteola	Valeriana pyrenaica
Stellaria nemorum	Petasites vulgaris
" Holostea	Doronicum plantagineum
Arenaria trinervia	Vaccinium Myrtillus
Geranium sylvaticum	Lysimachia nemorum
Oxalis Acetosella	Ligustrum vulgare
Ilex Aquifolium	Vinca minor
Euonymus europæus	Symphytum tuberosum
Acer campestre	Anchusa sempervirens
Sarothamnus scoparius	Pulmonaria officinalis
Prunus Avium	Myosotis sylvatica
" Padus	Verbascum Thapsus
Rubus Idæus	Veronica montana
Geum urbanum	Lathræa Squamaria
" intermedium	Buxus sempervirens
Potentilla Tormentilla	Allium ursinum
Pyrus Aucuparia	Carex pendula
" Malus	" paludosa
Saxifraga umbrosa	Milium effusum
Chrysosplenium alterni- folium	Taxus baccata
Ribes alpinum	Scolopendrium vulgare
" rubrum	Equisetum maximum

**East Linton, Tynningham, Whitberry Point, Ravensheugh,
Binny Woods.**

Saturday, 9th June 1866.

Party of 66 met at the Waverley Station at 7 a.m. Proceeded to East Linton, visited Tynningham garden and grounds,

Whitberry Point, Ravensheugh and Binny Woods, returning to East Linton by the Rhododendron Walk. The party was accompanied by Dr. Crombie and a guide from Tynningham. Left East Linton for Edinburgh by the train passing at 3.10 p.m. Return tickets, 1s. 6d.

The following were among the plants gathered :—

Berberis vulgaris	Lycopsis arvensis
Papaver dubium	Hyoscyamus niger
„ Argemone	Rhinanthus Crista-galli
Cardamine amara	Plantago maritima
Sinapis alba	Chenopodium Bonus-
Viola hirta	Henricus
Cerastium glomeratum	Salicornia herbacea
„ arvense	Rumex obtusifolius
Sagina maritima	Euphorbia Helioscopia
Malva rotundifolia	Parietaria diffusa
Geranium sanguineum	Neottia Nidus-avis
Conium maculatum	Listera ovata
Anthriscus vulgaris	Orchis latifolia
Cornus sanguinea	Ruscus aculeatus
Sambucus laciniata	Blysmus rufus
Lonicera Periclymenum	Nardus stricta
Doronicum Pardalianches	Asplenium Adiantum-
Leontodon palustris	nigrum
Arbutus Unedo	Lastrea Oreopteris
Glaux maritima	„ spinulosa
Vinca major	Ophioglossum vulgatum
Erythræa Centaurium	Botrychium Lunaria
Cynoglossum officinale	Equisetum palustre
Symphytum officinale	

**Grant's House, Renton, Pease Dene, Pease Bridge,
Cockburnspath.**

Saturday, 16th June 1866.

Party of 74 met at the Waverley Station (N.B. Rail.) at 7 a.m. Proceeded to Grant's House, visited Renton, thence walked by

Pease Dene and Bridge to Cockburnspath. Returned by train passing Cockburnspath at 2.33 p.m. Return tickets, 2s. 6d. The party was accompanied by Mr. Hardy (Grant's House) and Professor Liston, Edinburgh.

The following were among the plants collected :—

Berberis vulgaris	Plantago maritima
Cerastium glomeratum	Empetrum nigrum
Malva rotundifolia	Orchis maculata
Geranium sylvaticum	Iris Pseudacorus
Astragalus hypoglottis	Triglochin palustre
Vicia Orobus	Asplenium Adiantumnig-
„ sylvatica	rum
Rubus saxatilis	Ceterach officinarum (wall
Ribes alpinum	at Renton)
Sanicula europæa	Scolopendrium vulgare
Scandix Pecten-veneris	Polystichum angulare
Oenanthe crocata	Lastrea Oreopteris
Asperula odorata	Polypodium Dryopteris
Armeria maritima	„ Phegopteris
Trientalis europæa	Blechnum boreale
Veronica montana	

Kincardine, Culross, Crombie Point, Charlestown, Limekilns.

Saturday, 23rd June 1866.

Party of about 70 met at Granton Pier at 8.30 a.m. Proceeded by Stirling steamer to Kincardine. Thence walked to Culross, Crombie Point, Charlestown, and Limekilns. Returned by boat passing Limekilns at 5.30 p.m.

The party was accompanied by Professor Liston, and Mr. Giles Munby from Algiers. Return tickets, 1s. 6d. Pier dues, 5d.

The following were among the plants collected :—

Ranunculus sceleratus	Echium vulgare
Chelidonium majus	Lycium barbarum
Corydalis claviculata	Atropa Belladonna
Reseda Luteola	Rhinanthus Crista-galli
Sagina maritima	Mentha viridis
Lepigonum marinum	Plantago maritima
Malva rotundifolia	" Coronopus
Geranium phæum	Littorella lacustris
Acer campestre	Atriplex littoralis
Trifolium hybridum	" Babingtonii
" procumbens	Rumex conglomeratus
Vicia sativa	" sanguineus
Drosera rotundifolia	Corallorrhiza innata
Myriophyllum spicatum	Alisma Plantago
Hydrocotyle vulgare	Triglochin maritimum
Helosciadium inundatum	Scirpus maritimus
Ænanthe crocata	Carex paniculata
Viburnum Opulus	" remota
Galium palustre	" curta
Dipsacus sylvestris	" pallescens
Tanacetum vulgare	" lævigata
Senecio sylvaticus	" ampullacea
Carduus acanthoides	Alopecurus geniculatus
" arvensis	Milium effusum
" setosus	Glyceria aquatica
Vinca major	Festuca arundinacea
Anchusa sempervirens	Nardus stricta
Myosotis cæspitosa	Osmunda regalis
Lithospermum officinale	Hypnum giganteum

Dolphinton.

Saturday, 30th June 1866.

Party of about 63 met at the Waverley Station at 8 a.m. Proceeded to Dolphinton. Returned by train leaving Dolphinton at 2.20 p.m. Mr. Mackenzie of Dolphinton provided the party with luncheon. The party was joined by Mr. Munby, Mr. Brand, Mr. M'Nab, and Professor Liston. Return tickets, 1s. 9d.

The following were among the plants collected :—

Meconopsis cambrica	Scirpus setaceus
Cochlearia alpina	Eriophorum vaginatum
Viola lutea	" polystachyon
Linum catharticum	" latifolium
Comarum palustre	Carex pulicaris
Saxifraga Hirculus	" disticha
Parnassia palustris	" paniculata
Sedum villosum	" muricata
Drosera rotundifolia	" stellulata
Galium palustre	" curta
Valeriana dioica	" ovalis
Senecio aquaticus	" glauca
Vaccinium Oxycoccus	" præcox
Erica Tetralix	" panicea
Pyrola minor	" fulva
Primula farinosa	" flava
Myosotis palustris	" Ederi
Veronica scutellata	" ampullacea
Pedicularis sylvatica	Alopecurus geniculatus
Pinguicula vulgaris	Glyceria fluitans
Galeopsis Tetrahit	Botrychium Lunaria
Rumex aquaticus	Equisetum limosum
Empetrum nigrum	Chara vulgaris
Orchis incarnata	Hypnum cordifolium
Juncus supinus	" nitens
Luzula congesta	" aduncum
Triglochin palustre	" lycopodioides

Forteviot, Invermay Woods and Grounds.

Saturday, 7th July 1866.

Party of about 40 met at the Waverley Station at 6.15 a.m. and proceeded to Forteviot. Breakfasted at Station Hotel (Mr. W. Wood). Visited Invermay woods and grounds. Party was joined by Dr. Laing and his son, Dr. Lauder Lindsay, Dr. Alex. Dickson, Dr. Traquair. Entertained to lunch at Invermay woods by Mr. and Mrs. Brown Douglas—the former accompanied the party during the day. Sheriff Jamieson also joined the

party at lunch. Returned by train passing Forteviot at 4.32 p.m. Return tickets, 4s. Breakfast, 1s. 6d. Some of the party visited Scone.

The following were among the plants collected :—

<i>Ranunculus hirsutus</i>	<i>Carduus tenuiflorus</i>
<i>Papaver Argemone</i>	<i>Pyrola minor</i>
<i>Corydalis lutea</i> (near Perth)	<i>Moneses grandiflora</i> (Scone woods)
<i>Hesperis matronalis</i>	<i>Trientalis europæa</i> (Scone woods)
<i>Iberis amara</i>	<i>Ligustrum vulgare</i>
<i>Cerastium glomeratum</i>	<i>Vinca minor</i>
" <i>arvense</i>	<i>Polemonium cæruleum</i>
<i>Stellaria nemorum</i>	<i>Myosotis palustris</i>
<i>Lepigonum rubrum</i>	<i>Veronica montana</i>
<i>Hypericum hirsutum</i>	<i>Melampyrum pratense</i>
<i>Geranium sylvaticum</i>	<i>Stachys Betonica</i>
<i>Trifolium medium</i>	<i>Lamium amplexicaule</i>
" <i>strictum</i>	<i>Polygonum Bistorta</i>
" <i>hybridum</i>	<i>Neottia Nidus-avis</i>
<i>Anthyllis Vulneraria</i>	<i>Listera ovata</i>
<i>Astragalus hypoglottis</i>	<i>Iris Pseudacorus</i>
<i>Vicia sylvatica</i>	<i>Juncus glaucus</i>
<i>Rubus saxatilis</i>	<i>Koeleria cristata</i>
<i>Potentilla reptans</i>	<i>Asplenium Adiantum-nigrum</i>
<i>Chrysosplenium alternifolium</i>	<i>Scolopendrium vulgare</i>
<i>Circæa lutetiana</i>	<i>Cystopteris fragilis</i>
<i>Sanicula europæa</i>	<i>Polystichum angulare</i>
<i>Viburnum Opulus</i>	<i>Polypodium Dryopteris</i>
<i>Lonicera Caprifolium</i>	<i>Botrychium Lunaria</i>
<i>Galium Mollugo</i>	<i>Equisetum umbrosum</i>
<i>Asperula odorata</i>	<i>Sticta pulmonaria</i>
<i>Filago germanica</i>	
<i>Senecio aquaticus</i>	

Beattock, Garpol Linn.

Saturday, 14th July 1866.

Party of 40 met at the Caledonian Railway Station at 7.40 a.m. Proceeded to Beattock. Breakfasted at Beattock Bridge Hotel

(Sinclair's). Visited Garpol Linn and hills beyond. The party was accompanied by Sir William and Miss Jardine, Miss Gould, Rev. Mr. Colvin, Kirkpatrick; Rev. Mr. Williamson, Moffat; Mr. William Carruthers (British Museum), Dr. Dickson, Dr. Traquair, Dr. Grainger-Stewart, Professor Liston. Returned by train leaving Beattock at 5.2 p.m. Return tickets, 4s. Breakfast, 1s. 6d.

The following were among the plants collected :—

<i>Viola palustris</i>	<i>Myrica Gale</i>
<i>Lepigonum rubrum</i>	<i>Empetrum nigrum</i>
<i>Hypericum humifusum</i>	<i>Listera cordata</i>
" <i>pulchrum</i>	<i>Orchis maculata</i>
<i>Geranium sylvaticum</i>	<i>Gymnadenia conopsea</i>
<i>Genista tinctoria</i>	<i>Narthecium ossifragum</i>
<i>Trifolium arvense</i>	<i>Juncus acutiflorus</i>
<i>Astragalus hypoglottis</i>	<i>Carex pulicaris</i>
<i>Rubus saxatilis</i>	" <i>lævigata</i>
<i>Drosera rotundifolia</i>	" <i>binervis</i>
<i>Epilobium palustre</i>	<i>Holcus mollis</i>
<i>Hydrocotyle vulgaris</i>	<i>Melica nutans</i>
<i>Sanicula europæa</i>	" <i>uniflora</i>
<i>Antennaria dioica</i>	<i>Cryptogramme crispa</i>
<i>Apargia autumnalis</i>	<i>Cystopteris fragilis</i>
<i>Jasione montana</i>	<i>Lastrea Oreopteris</i>
<i>Vaccinium Oxycoccus</i>	<i>Polypodium Dryopteris</i>
<i>Pyrola minor</i>	" <i>Phegopteris</i>
<i>Myosotis repens</i>	<i>Botrychium Lunaria</i>
<i>Verbascum Thapsus</i>	<i>Lycopodium clavatum</i>
<i>Veronica montana</i>	" <i>alpinum</i>
<i>Pinguicula vulgaris</i>	

Some of the party proceeded to Beattock on Friday afternoon and visited Beld Crag and the hills in Moffatdale, and collected:—

<i>Saxifraga stellaris</i>	<i>Pyrola secunda</i>
<i>Sedum Rhodiola</i>	<i>Asplenium viride</i>

Rothesay, Ascog, Mount Stuart.

Saturday, 21st July 1866.

Party of about 50 met at the Edinburgh and Glasgow Railway Station at 6.15 a.m. Proceeded to Rothesay, walked to Ascog

and Mount Stuart. Returned by boat passing Rothesay at 4.40 p.m., and reached Edinburgh about 10.15 p.m. Return tickets, 5s. Breakfast on board, 1s. 6d. Pier at Helensburgh, 1d.

Party accompanied by Dr. Dickson, Dr. Traquair, Professor Liston, Mr. Lowe, and several ladies.

The following plants were collected :—

Chelidonium majus	Pinguicula lusitanica
Sinapis alba	Stachys ambigua
Sagina nodosa	Polygonum lapathifolium
Hypericum Androsæmum	Habenaria viridis
" humifusum	" chlorantha
" pulchrum	Juncus Gerardi
Linum usitatissimum	" maritimus
Rubus carpinifolius	" acutiflorus
Potentilla Tormentilla	Sparganium ramosum
" procumbens	Alisma Plantago
Cotyledon Umbilicus	" ranunculoides
Sedum angulare	Blysmus rufus
Lythrum Salicaria	Carex distans
Epilobium hirsutum	" extensa
Helosciadium inundatum	Asplenium Adiantumnig-
Enanthe Lachenalii	rum
Pastinaca sativa	Lastrea Oreopteris
Torilis Anthriscus	" æmula (Fœnisecii)
Eupatorium cannabinum	Polypodium Phegopteris
Jasione montana	Chara flexilis
Lysimachia vulgaris	Sticta scrobiculata
Erythræa Centaurium	" pulmonaria
Symphytum officinale	Parmelia perlata

Loch Lomond, Inverarnan, Ben Voirlich.

Friday, 27th July 1866.

Party, consisting of J. H. Balfour, John Archibald, W. H. Carruthers, Alex. Craig Christie, Rev. R. F. Colvin, William Craig, Walter Dixon, John K. Duncanson, James W. Edmond, Alexander Irvine, Alexander E. Keith, William John Kennedy, Professor D. Liston, James H. Lowe, J. R. Marrian, Wm.

Stephen Mitchell, F. Naylor, John Wilson Paton, V. R. Pranker, Andrea Rabagliati, James Richardson, John Sadler, Wm. Stokes Shaw, Francis E. Smart, J. Stiell, James Watters, J. T. Wightman, met at the Waverley Station at 2 p.m. on Friday, 27th, and proceeded to head of Loch Lomond *via* Balloch, thence walked to Inverarnan Hotel, which was reached about 9 o'clock. Some of the party (Messrs. Sadler, Duncanson, Smart, Mitchell, Edmond, Dixon, and Craig), left the steamer in the evening at Tarbet, and walked to Inverarnan. Slept at the hotel. Return tickets, 5s. 5d. Hotel and other expenses, 10s. 6d.

Saturday, 28th July 1866.

Breakfasted at 6 a.m. and started for Ben Voirlich about 7. Returned to head of loch about 4 p.m. Left head of loch about 4.20, and reached Edinburgh about 10 p.m.

The following were among the plants collected :—

Thalictrum alpinum	Vaccinium uliginosum
Corydalis claviculata	Euphrasia officinalis, var.
Cochlearia alpina	alpina
Hypericum Androsæmum	Plantago maritima
Rubus saxatilis	Littorella lacustris
Alchemilla alpina	Oxyria reniformis
Saxifraga oppositifolia	Myrica Gale
" stellaris	Salix venulosa
" aizoides	" herbacea
Sedum Rhodiola	Empetrum nigrum
Drosera anglica	Malaxis paludosa
Peplis Portula	Listera cordata
Lythrum Salicaria	Juncus trifidus
Epilobium alpinum	" triglumis
Carum verticillatum	Luzula spicata
Cornus suecica	Rhynchospora alba
Galium boreale	Carex rigida
Solidago Virgaurea	" vaginata
Gnaphalium supinum	Hymenophyllum tunbridgense
Carduus heterophyllus	" Wilsoni
Saussurea alpina	Cryptogramme crispa
Hieracium Lawsoni	Blechnum boreale
Lobelia Dortmanna	

Asplenium viride	Osmunda regalis
Cystopteris fragilis	Lycopodium Selago
Lastrea Oreopteris	" annotinum
" æmula	" clavatum
Polypodium Dryopteris	" alpinum
" Phegopteris	" selaginoides

besides many alpine Musci and Lichens.

Braemar

Friday, 3rd August 1866.

Party, consisting of J. H. Balfour, Thomas Barclay, Robert P. Colvin, Alfred T. Coore, Walter Dixon, P. Neill Fraser, F. Naylor, Orlando R. Pranker, Wm. Stokes Shaw, Francis G. Smart, and James Thomson, met at the Scotland Street Station of the N.B. Railway, and proceeded by train at 6.25 a.m. to Perth and Aberdeen—having return tickets to Aberdeen available for three weeks for 12s. 6d. Reached Aberdeen at 12.35 p.m., and met Professors Struthers and Dickie, who, after lunch, proceeded with us to see the town and Marischal College. Had a fine view from the tower of the College; the arrangements in the College are excellent. Saw the hall, library, examination room, and Anatomical and Natural History lecture rooms. Left by train at 2.40 for Aboyne. Return ticket, available for three weeks, 2s. Reached Aboyne at 4.49. Took up our quarters at the hotel (Cook's). The evening being fine, we visited the Suspension Bridge and the grounds about Aboyne Castle. Gathered *Campanula rapunculoides* on the roadside. It was in considerable quantity. Had tea-dinner on return.

Saturday, 4th August 1866.

After breakfast, left about 8 a.m. in an omnibus for Ballater. Gathered *Melampyrum sylvaticum* there, then went by hired omnibus to Balmoral and visited the grounds under the direction of Mr. Paterson, the gardener. Then proceeded to Braemar, and took up our quarters at the Fife Arms Hotel (Hunter).

Were all comfortably accommodated. Afternoon was very wet and windy, and we were prevented from walking. I ascertained one important fact to-day—that there was no smoking man in the party. The day became windy and wet.

Monday, 6th August 1866.

Breakfasted at 7 a.m., and about 8 left by drag for Glen Callater. Went to the gamekeeper's house (Michie), then examined the glen, beginning with rocks on the left side of the glen immediately at the south end of Loch Callater, and then walked round all the rocks in the glen and in Glen Kador, returning to the gamekeeper's house about 5, where we met the drag and returned to inn about 6 p.m. The day was very wet, and we were all thoroughly drenched.

We gathered many good plants. Among others:—

<i>Silene acaulis</i>	<i>Salix Lapponum</i>
<i>Rubus saxatilis</i>	" <i>Myrsinites</i>
" <i>Chamæmorus</i>	" <i>herbacea</i>
<i>Sibbaldia procumbens</i>	" <i>reticulata</i>
<i>Saxifraga oppositifolia</i>	<i>Habenaria viridis</i>
" <i>hypnoides</i>	<i>Tofieldia palustris</i>
<i>Epilobium angustifolium</i>	<i>Juncus trifidus</i>
" <i>alsinifolium</i>	" <i>triglumis</i>
" <i>alpinum</i>	<i>Carex rupestris</i>
<i>Gnaphalium supinum</i>	" <i>rigida</i>
<i>Saussurea alpina</i>	" <i>vaginata</i>
<i>Azalea procumbens</i>	" <i>capillaris</i>
<i>Pyrola media</i>	<i>Cryptogramme crispa</i>
<i>Veronica humifusa</i>	<i>Asplenium viride</i>
" <i>alpina</i>	<i>Polypodium alpestre</i>
<i>Salix arbutifolia</i>	<i>Polystichum Lonchitis</i>

Mr. Banley joined the party to-day. He arrived by coach from Ballater.

Tuesday, 7th August 1866.

The day was very wet and unpromising. Party, consisting of Dr. Balfour and Messrs. Fraser, Coore and Dixon, proceeded to the Falls of Corriemulzie and to the Linn of Dee, and returned by Mr. Gray Clark's Allanagavitt, crossing the Dee in his boat.

At Corriemulzie they gathered :—

Arabis petraea (in the	Carduus heterophyllus
gravelly bed of the	Melica nutans
stream near Allana-	Poa nemoralis
gavit)	Triticum caninum (near
Epilobium angustifolium	Allanagavit)

Wednesday, 8th August 1866.

Rev. Mr. Shaw left this morning for England. The morning was fine and sunny. Party numbering eight left at 7.45 a.m., and crossed in Angus Macintosh's boat, as the ferry has been abolished by Colonel Farquharson. Macintosh is head-keeper to Lord Holmesdale, who has the Ben Avon shootings. From the point where we crossed the river we walked to Little Craigendal, taking two turns to the right on the Ben-na-Bourd road. Found abundance of *Astragalus alpinus* low down on the west side of the hill. Plenty of it in flower. Examined the hill fully, and then descended on the Ben Avon side. Went up to the natural cairns of Ben Avon; on one we ascended there is a large rocking-stone. From Ben Avon walked to Ben-na-Bourd and descended into the glen, walked by the river to Angus Macintosh's, and reached the hotel about 6.30. Mr. Naylor and Mr. Prankerl reached Braemar to-day, thus making our party ten.

A letter was received from Dickie as to *Cystopteris montana*. He says that Croall found it on the south side of Glen Callater under large rocks below the cliffs. It was also found by Dr. Ogilvy on rocks at head of Canlochan below table-land leading to Glen Callater.

Among the plants collected to-day were the following :—

Cerastium alpinum	Armeria alpina
Astragalus alpinus	Trientalis europæa (in
Epilobium alsinifolium	flower)
„ alpinum	Tofieldia palustris
Meum athamanticum	Aira cæspitosa (alpine form)
Cornus suecica	Polypodium alpestre
Gnaphalium supinum	(various forms)
Saussurea alpina	Lycopodium annotinum
Pyrola secunda	Equisetum umbrosum
Armeria maritima	

Thursday, 9th August 1866.

This morning the party, with the exception of Mr. Barclay, proceeded at 8 a.m. by car to the back of Canlochan, ascended the hill, and spent all day in the glen.

The following plants were gathered :—

Cochlearia grœnlandica	Veronica saxatilis (in flower)
Silene acaulis	Juncus castaneus
Cerastium alpinum	" triglumis
Potentilla maculata	Carex Persoonii
Sibbaldia procumbens	" atrata
Saxifraga nivalis	" rariflora
" hypnoides	" vaginata
Epilobium alsinifolium	" capillaris
" alpinum	Alopecurus alpinus
Erigeron alpinus	Phleum alpinum
Mulgedium alpinum	Aira alpina
Gentiana nivalis	Poa alpina
Veronica humifusa	" Balfourii
" alpina	

The day was fine with the exception of about half an hour, when a severe storm, accompanied with mist, came on. The party returned by car, which met them at 5 p.m.

Friday, 10th August 1866.

The morning was rather promising. The party went to Lochnagar, leaving at 8 a.m. by car for Callater, and then walking. Had a fine view as they ascended, and saw the summit of the mountain clear, but before they reached it rain and mist came on and continued all day. Examined cliffs round the little loch to the west of Lochnagar. Abundance of snow seen, many feet deep, some patches several hundred feet in extent. Had a glissade of 100 feet on the snow. Went to top of the mountain. Descended by ravine so as to get *Saxifraga rivularis*. Went along part of the cliffs and ascended by a gravelly ravine, thence returned amidst mist, sleet, and wind to the lower cairns. From this the party (consisting at this time of Dr. Balfour, Coore, Pranker, Dixon, and Thomson) descended to the keeper's lodge

at Callater to meet the car and get a change of clothes. Mr. Fraser spent the whole day at Glen Callater looking for *Cystopteris montana*, but was unsuccessful. Mr. Colvin, Mr. Barclay, and Mr. Stuart returned early. Mr. Naylor lost his way in the mist and did not reach the hotel till late, having walked by the Invercauld side of the mountain. Among the plants collected to-day were:—

Cerastium alpinum	Aira alpina vivipara
Saxifraga rivularis	Poa alpina vivipara
Alopecurus alpinus	Cryptogramme crispa
Phleum alpinum	Polypodium alpestre

Looked at the old station for *Mulgedium alpinum*, but could not see any specimens of the plant. The day was one of the wettest and coldest we had experienced during our trip. Thermometer on summit, 38°.

Saturday, 11th August 1866.

This morning was very fine. Mr. Colvin and Mr. Banley left for Edinburgh, by Blairgowrie, along with Dr. Burton of Walsall. The rest of the party (eight in number) left by drag for Linn of Dee, and proceeded beyond it as far as the twopenny bridge over the Dee. Thence walked to Cairn Toul. The day was warm and sunny and the walk was fatiguing. Owing to the swollen state of the streams we had to ford one of them which joins the Dee about two miles from Cairn Toul. Mr. Prankerd went to the top of Ben na Mac Dhu. The rest went to Cairn Toul. We did not return from Cairn Toul until 10 p.m., having walked some twenty-two miles and driven above twenty.

Among the plants gathered were:—

Arabis petræa	Luzula arcuata
Cochlearia grœnlandica	Carex pauciflora
Silene acaulis	„ lagopina
Cerastium alpinum	Aira alpina vivipara
„ trigynum	Poa alpina vivipara
Sibbaldia procumbens	Cryptogramme crispa
(in flower)	Polypodium alpestre
Drosera anglica	

Monday, 13th August 1866.

This day the party broke up. At 9 a.m. most of them left by conveyance for Blairgowrie and Coupar Angus, which they left at 3.5 p.m. for Perth, and then by train at 4.10 for Edinburgh, which was reached about 7 p.m. Mr. Fraser went with the party as far as Glen Callater road, and proceeded to the glen to endeavour to find *Cystopteris montana*.

EXCURSIONS IN 1867.

Roslin, Polton, and Hawthornden.

Saturday, 18th May 1867.

Party of 85 met at the North British Railway Station at 10.50 a.m. Proceeded to Roslin, thence walked to Hawthornden and Polton. Returned from Hawthornden at 3.17 p.m. Return tickets, 1s. 2d.

Among the plants collected were the following :—

Anemone nemorosa	Fragaria vesca
Ranunculus auricomus	Pyrus Malus
Caltha palustris	Saxifraga granulata
Cheiranthus Cheiri	Chrysosplenium alterni-
Cardamine pratensis	folium
Draba verna	Ribes nigrum
Alliaria officinalis	Sanicula europæa
Viola sylvatica	Myrrhis odorata
Cerastium glomeratum	Adoxa Moschatellina
" trigynum	Asperula odorata
Stellaria Holostea	Petasites fragrans
Arenaria trinervia	Leontodon palustris
Oxalis Acetosella	Myosotis sylvatica
Lathyrus macrorrhizus	Veronica montana
Prunus Padus	Nepeta Glechoma
" Avium	Allium ursinum
Geum rivale	Equisetum maximum
" intermedium	" hyemale

Burntisland and Kinghorn.*Saturday, 25th May 1867.*

A party of 86 met at Scotland Street Station at 9.45 a.m. and proceeded to Kinghorn. Walked along the coast to Burntisland and returned to Edinburgh by boat leaving Burntisland at 3.3 p.m. Return tickets, 1s. 1d. Day fine.

The following were among the plants collected :—

Papaver Argemone	Fragaria elatior
Cheiranthus Cheiri	Saxifraga umbrosa
Barbarea vulgaris	Carum Carui
Arabis hirsuta	Haloscias scoticum
Alyssum calycinum	Centranthus ruber
Draba verna	Leontodon palustris
Cochlearia danica	Veronica agrestis
Armoracia rusticana	Salvia Verbenaca
Sisymbrium Thalianum	Lamium amplexicaule
Sinapis alba	" incisum
Lepidium Draba	Plantago maritima
Viola hirta	" Coronopus
" canina	Orchis mascula
Cerastium arvense	Botrychium Lunaria
Vicia hirsuta	
" lathyroides	

Gorebridge, Borthwick Castle, and Tynehead.*Saturday, 1st June 1867.*

A party met at the Waverley Station at 12.30 p.m. and proceeded to Gorebridge, thence walked by Borthwick Castle to Tynehead. Returned from Tynehead by train passing at 6.55 p.m. Return tickets, 1s. 2d. Day fine, very hot.

The following were among the plants collected :—

Cardamine amara	Humulus Lupulus
Cerastium arvense	Alnus glutinosa
Montia fontana	Empetrum nigrum
Geranium phæum	Neottia Nidus-avis
„ sylvaticum	Orchis mascula
Linum catharticum	Luzula sylvatica
Genista anglica	„ multiflora
Vicia sativa	„ congesta
Geum intermedium	Arum maculatum
Fragaria elatior	Eriophorum polystachyon
Saxifraga hypnoides	Juniperus communis
Ribes nigrum	Scolopendrium vulgare
Myrrhis odorata	Lastrea Oreopteris
Viburnum Lantana	Polypodium Dryopteris
Antennaria dioica	„ Phegopteris
Pyrola minor	Ophioglossum vulgatum
Vinca minor	Equisetum palustre
Menyanthes trifoliata	„ limosum
Anchusa sempervirens	Lycopodium clavatum
Veronica agrestis	

Midcalder, Meadowbank, Dalmahoy, and Currie.

Saturday, 8th June 1867.

A party of 75 met at the Caledonian Railway Station, Lothian Road, at 10.20 a.m. and proceeded to Midcalder, thence walked by Meadowbank and Dalmahoy to Currie. Returned by train passing Currie at 3.13 p.m. Return tickets, 1s.

During the day, which was wet, the following plants were collected :—

Aquilegia vulgaris	Sagina subulata
Aconitum Napellus	Geranium columbinum
Cardamine pratensis(double)	„ lucidum
Viola palustris	Prunus Padus
„ canina	Pyrus Malus
„ lutea	Saxifraga hypnoides

Myriophyllum spicatum	Pinguicula vulgaris
Cornus sanguinea	Chenopodium Bonus-
Galium Mollugo	Henricus
Valeriana pyrenaica	Populus tremula
Antennaria dioica	Empetrum nigrum
Leontodon lævigatus	Anacharis Alsinastrum
Pyrola minor	Listera ovata
Pedicularis sylvatica	Lastrea spinulosa

Many good lichens were gathered on Dalmahoy Hill.

St. Andrews, Denbrae, and Tentsmuir.

Saturday, 15th June 1867.

Party of 81 met at Scotland Street Station at 6.25 a.m. and proceeded to St. Andrews. Breakfasted in Davidson's Royal Hotel there. After breakfast visited the old Castle and Pier, thence walked to Denbrae, where the party were served with luncheon by the proprietor, Dr. Watson Wemyss. Returned to St. Andrews by the Links. At breakfast we were joined by Mr. Jas. G. Black, who acted as guide during the day. Dr. Watson Wemyss, Professor Oswald Bell, Professor Fisher, Dr. William Traill and Mr. Traill, Mr. Howie (Largo), Rev. Mr. Astley (Edinburgh), Dr. White (Edinburgh). Return tickets, 3s. 3d. Breakfast, 1s. 9d.

The following were among the plants collected :—

Aquilegia vulgaris	Scrophularia aquatica
Alyssum calycinum	Scleranthus annuus
Cerastium arvense	Listera ovata
Geranium sanguineum	Convallaria majalis
Astragalus hypoglottis	Koeleria cristata
Saxifraga umbrosa	Elymus arenarius
" tridactylites	Botrychium Lunaria
Glaux maritima	

Some of the party visited Tentsmuir and collected :—

Mimulus luteus	Lycopodium inundatum
Euphorbia Esula	besides many interesting
Listera cordata	and rare Musci.
Carex incurva	

Others visited the rocks by the sea-shore east of the town and picked *Asplenium marinum*.

Perth, Kinnoul, Orchardneuk, Moncrieff, Bridge of Earn.

Saturday, 22nd June 1867.

Party of 70 left Scotland Street Station at 6.20 a.m. and proceeded to Perth. Breakfasted in the Station Refreshment Rooms (M'Donald's). Visited Kinnoul, ferried the Tay to Orchardneuk, visited Moncrieff, and walked to Bridge of Earn, which they left for Edinburgh by the train passing at 4.20, and arrived in Edinburgh about 7.15. At Perth the party were joined by Dr. Lauder Lindsay, Dr. Stirling, Dr. Bramwell, Mr. John Sim, Mr. Ramsay, Mr. M'Farlane, Mr. Stewart, and Mr. Dawson, who acted as guide, and who also furnished refreshments in the way of beer at Orchardneuk. Return tickets, 3s. 6d. Breakfast, 1s. 6d. Ferry, 2d.

The day was fine and many good plants were collected, including :—

Ranunculus hirsutus	Erodium cicutarium
Chelidonium majus	Trifolium striatum
Cheiranthus Cheiri	Anthyllis Vulneraria
Hesperis matronalis	Astragalus hypoglottis
Helianthemum vulgare	Potentilla argentea
Viola canina	" hirta
Silene maritima	Poterium Sanguisorba
Sagina subulata	Rosa alpina
Malva moschata	Sedum Telephium
Geranium sanguineum	" reflexum
" phæum	Hippuris vulgaris
" pyrenaicum	Conium maculatum
" columbinum	Petroselinum sativum

Cornus sanguinea	Rhinanthus Crista-galli
Asperula odorata	Chenopodium Bonus-
Lactuca virosa	Henricus
Cynoglossum officinale	Anacharis Alsinastrum
Anchusa sempervirens	Listera ovata
Myosotis cæspitosa	Alisma Plantago
Echium vulgare	Koeleria cristata
Antirrhinum majus	Pinus sylvestris
Veronica agrestis	Ceterach officinarum

Mr. Christie, who visited Scone Woods, picked :—

Moneses grandiflora	Listera cordata
Trientalis europæa	Lastrea spinulosa
Corallorrhiza innata	

Burntisland, Kirkcaldy, Raith, Balmuto, Auchtertool.

Saturday, 29th June 1867.

Party of 63 left Scotland Street Station at 6.20 a.m. and proceeded to Kirkcaldy, where they were provided with breakfast in the Town Hall by Provost Swan. After breakfast, they botanised over the estate of Raith (the seat of Col. Ferguson). They returned by train passing Kirkcaldy at 2.46 p.m. Return tickets, 1s. 2d.

The following were among the plants collected :—

Ranunculus hederaceus	Anchusa sempervirens
Aconitum Napellus	Rumex sanguineus
Berberis vulgaris	Daphne Laureola
Nuphar luteum	Salix purpurea
Meconopsis cambrica	Ruscus aculeatus
(Auchtertool)	Typha latifolia
Potentilla fruticosa	Lemna minor
Valeriana pyrenaica	Cystopteris fragilis
Doronicum Pardalianches	
Tragopogon porrifolius	
(Cupar)	

Some of the party proceeded to Balmuto and Auchtertool and collected :—

Meconopsis cambrica	Ophioglossum vulgatum
Gymnadenia conopsea	

Others visited Burntisland and collected :—

Lepidium Draba	Sedum anglicum
Thlaspi arvense	Carduus Marianus
Geranium sanguineum	Echium vulgare
Trifolium striatum	Sclerochloa loliacea

Mr. Barclay (Cupar), Dr. Stodart (Kirkcaldy), Mr. Douglas, and other gentlemen joined the party at breakfast.

**Linlithgow, Hiltly, Cuckold le Roi, Kipps, Lochcote, the
Avon, Woodcockdale.**

Saturday, 6th July 1867.

Party of 45 left the Waverley Station at 9.45 a.m. for Linlithgow. They visited the Castle and then proceeded by Hiltly to the hill called Cuckold le Roi (Cockle Roy), thence to Kipps, Lochcote, the banks of the Avon, and Woodcockdale. The party returned by train leaving Linlithgow at 2.6 p.m. Return tickets, 1s. 3d.

The following plants were collected :—

Nasturtium palustre	Gymnadenia conopsea
Hieracium prenanthoides	Habenaria viridis
Pyrola minor	" chlorantha
Lysimachia thyrsiflora	Allium Schœnoprassum
Veronica scutellata	Potamogeton perfoliatus
Anacharis Alsinastrum	" pusillus
Epipactis latifolia	

Heriot, Borthwick Hall, Camp Hill, Moorfoot Hills, Green Neck, Gorebridge.

Saturday, 13th July 1867.

A party of 60 left Edinburgh at 6.40 a.m. for Heriot, thence they walked to Borthwick Hall, where they were met by Charles Lawson, Esq., and M. Vilmorin, from Paris. They were entertained to breakfast in a large tent on the lawn. After breakfast they visited the Camp Hill, &c., and returned to Borthwick Hall to lunch at one o'clock. Charles Lawson, sen., occupied the chair and gave the party a most hearty welcome. Lunch finished, they then proceeded across the Moorfoot Hills by the Green Neck to Gorebridge, which they left for Edinburgh by train at 7.8 p.m. Return tickets, 1s. 3d.

The day was fine, and a good many plants were collected, such as :—

Ranunculus hederaceus	Parnassia palustris
Trollius europæus	Sedum villosum
Camelina fœtida	Epilobium angustifolium
Viola lutea	Listera cordata
Montia fontana	Allosorus crispus
Tilia grandiflora	

North Berwick, Dirleton, Gullan.

Saturday, 20th July 1867.

A party of about 40 left the Waverley Station for Dirleton at 10.30 a.m. They visited Dirleton Castle and Common, thence proceeded to North Berwick, where they were entertained to lunch by Mr. Stevenson, and left for Edinburgh by train at 6.40 p.m. The party was accompanied by Professor Liston, Professor Alex. Dickson, and Dr. Traquair.

The day was fine, and many good plants were collected, including :—

Thalictrum minus	Anagallis tenella
Ranunculus floribundus	Erythræa Centaurium
Fumaria micrantha	Gentiana campestris
Alyssum calycinum	Cynoglossum officinale
Reseda lutea	Lithospermum arvense
Dianthus deltoides	Echium vulgare
Silene noctiflora	Solanum Dulcamara
Sagina nodosa	Hyoscyamus niger
Geranium pusillum	Antirrhinum majus
Trifolium incarnatum	Veronica polita
Astragalus hypoglottis	" Anagallis
Saxifraga tridactylites	Euphrasia Odontites
Parnassia palustris	Calamintha Acinos
Sedum album	Stachys sylvatica
Hydrocotyle vulgaris	Galeopsis versicolor
Smyrniolum Olusatrum	Lamium intermedium
Helosciadium repens	Ballota foetida
Centranthus ruber	Habenaria viridis
Scabiosa Columbaria	Apera interrupta (new to
Filago germanica	the flora, on the way to
" minima	Dirleton Common in
Carduus acanthoides	great profusion)
Centaurea Scabiosa	Psamma arenaria
" Cyanus	Equisetum variegatum
Thrinia hirta	Lycopodium selaginoides
Apargia autumnalis	
Tragopogon minor	

Mr. Dickson and Mr. Christie visited Gullan, and picked :—

Silene anglica	Samolus Valerandi
Cerastium arvense	Littorella lacustris
Malva rotundifolia	

Callander, Loch Lubnaig, Ben Ledi, Stank Burn.

Saturday, 27th July 1867.

Party of 45 left the Waverley Station at 6.15 a.m. and proceeded to Callander. Breakfasted there in the Dreadnought

Hotel, visited Loch Lubnaig and Ben Ledi by the Stank Burn, and returned to Callander about 6 p.m. Partook of tea in Macgregor's Hotel, and left Callander at 7.20 for Edinburgh, which they reached about 10 o'clock. The day was fine and a magnificent view was obtained from the top of Ben Ledi. The party was accompanied by Dr. Lauder Lindsay, Dr. Clay, the Rev. Mr. Colvin, &c.

The following plants were collected :—

Thalictrum alpinum	Polygonum viviparum
Nymphaea alba	Oxyria reniformis
Draba incana	Rumex alpinus
Subularia aquatica	Salix herbacea
Silene acaulis	Malaxis paludosa
Hypericum Androsæmum	Listera cordata
Vicia sylvatica	Habenaria chlorantha
Rubus Chamæmorus	Juncus biglumis
Saxifraga oppositifolia	„ triglumis
„ nivalis	Luzula spicata
„ stellaris	Carex rigida
„ hypnoides	„ irrigua
Sedum Rhodiola	„ vaginata
„ Telephium	Hymenophyllum Wilsoni
„ reflexum	Allosorus crispus
Pimpinella magna	Asplenium viride
Cornus suecica	Lycopodium Selago
Gnaphalium supinum	„ alpinum
Hieracium boreale	Isoetes lacustris
Lobelia Dortmanna	Splachnum ampullaceum
Vaccinium Oxycoccus	„ mnioides
Littorella lacustris	
(Loch Lubnaig)	

Dalwhinnie.

Monday, 5th August 1867.

Party consisting of J. H. Balfour, Charles P. Astley, Alex. Craig Christie, Robert P. Colvin, Alfred Coore, Walter Dixon,

Jas. W. Edmond, P. Neill Fraser, Arthur Abbott Green, Thomas Jackson, W. John Kennedy, W. L. Lindsay, left Edinburgh on Monday, 5th August, at 9.45 for Perth and Dalwhinnie. Return tickets, available for fourteen days, 8s.

Reached Dalwhinnie between 3 and 4 p.m., where they met Dr. Lauder Lindsay. In the course of the evening the following plants were gathered near Dalwhinnie :—

Genista anglica	Rumex aquaticus
Pyrola secunda	Cryptogramme crispa
Utricularia minor	

Tuesday, 6th August 1867.

Party started at 10.8 a.m. for Dalnaspidal by train, ascended the Sow of Athole and also visited the Boar of Badenoch. Among the plants collected were :—

Rubus Chamæmorus	Azalea procumbens
Sibbaldia procumbens	Listera cordata
Epilobium alpinum	Carex rigida
Gnaphalium supinum	Cryptogramme crispa
Hieracium alpinum	Lycopodium Selago
" Lawsoni	" clavatum
Vaccinium Vitis-Idæa	" alpinum
Arctostaphylos Uva-ursi	" selaginoides
Phyllodoce cærulea (some large plants were seen)	

There was a fine view from the summit of the mountain.

The Boar of Badenoch was found to be much less productive than the Sow of Athole. In the evening there was some rain. The party walked back to the hotel by the road from Dalnaspidal.

Wednesday, 7th August 1867.

This morning the members of the party rose at 4 a.m., and after breakfast went in two boats on Loch Ericht with two boatmen, Donald Kennedy and Donald Wilson.

The morning was very fine, and the scenery on Loch Ericht was charming. We rowed first to Lord Henry Bentinck's shooting-lodge, and then on towards the head of the loch for about six or seven miles. In all we went about thirteen miles down the loch. The whole length of the loch is seventeen miles.

On landing about 10 a.m. we had lunch and then proceeded to ascend Ben Alder, about 3700 feet. Went to the top of the hill, visited various snow patches, some of them six feet thick. Saw fine herd of deer twice in the course of the day.

After reaching the summit we remained for some time at the cairn and had a splendid view of the following mountains, Schiehallion, Ben Nevis, Ben Lawers, Ben na Mac Dhu, and snowy summits of the hills at Loch Laggan. Mr. Astley, Mr. Coore, and myself descended from the summit into the large corrie. Saw abundance of snow, and gathered many alpine plants. Came down to the lake and joined the boats. Reached Dalwhinnie about 10 p.m. Had a good glissade in a snow wreath on the eastern side of the hill.

Among the plants gathered were the following :—

<i>Trollius europæus</i>	<i>Veronica humifusa</i>
<i>Cochlearia grœnlandica</i>	„ <i>alpina</i>
<i>Silene acaulis</i>	<i>Salix Lapponum</i>
<i>Cerastium trigynum</i>	„ <i>herbacea</i>
<i>Sibbaldia procumbens</i>	<i>Tofieldia palustris</i>
<i>Rubus Chamæmorus</i>	<i>Juncus trifidus</i>
<i>Drosera anglica</i>	„ <i>triglumis</i>
<i>Epilobium angustifolium</i>	<i>Luzula spicata</i>
„ <i>alpinum</i>	<i>Carex vaginata</i>
<i>Cornus suecica</i>	„ <i>pulla</i>
<i>Solidago cambrica</i>	<i>Cryptogramme crispa</i>
<i>Gnaphalium supinum</i>	<i>Polypodium alpestre</i>
<i>Carduus heterophyllus</i>	„ <i>flexile</i>
<i>Saussurea alpina</i>	„ <i>vulgare</i>
<i>Vaccinium uliginosum</i>	„ <i>Dryopteris</i>
<i>Azalea procumbens</i>	„ <i>Phegopteris</i>
<i>Gentiana campestris</i>	

In Loch Ericht :—

Subularia aquatica

| *Isoëtes lacustris*

The best part of Ben Alder is the great corrie or tarn above Loch Alder. The way to go to it is to land a few miles above the shooting-lodge and then walk up by the side of Ben Alder; the rocks near the snow should also be examined. This station on Ben Alder is the best now known for *Polypodium flexile*.

Lord Henry Bentinck is very particular about the deer-forest. We had permission from him. His forester, Mr. Clark, was very obliging, and gave us assistance in our work. This was a very fatiguing day, eighteen or nineteen hours being occupied.

Thursday, 8th August 1867.

The weather was not very promising to-day, alternate showers and sunshine. The party did not breakfast till 9, and spent some time putting their plants in order. They then divided into groups and went to different places. Fraser and Christie went to the rocks on the side of Loch Ericht, Astley and myself walked to Cat Lodge to see Mr. and Mrs. Armitstead, but they had gone fishing to Loch Laggan. We took lunch at Cat Lodge and then returned, thus walking twelve miles. Mr. Coore examined a corrie two or three miles from Dalwhinnie on the right hand of the road going to Dalnaspidal, and it seems to be worthy of further examination. He found:—

Silene acaulis	Pyrola media
Dryas octopetala (in flower)	Salix arbutifolia
Sibbaldia procumbens	„ herbacea
Saxifraga oppositifolia	Habenaria viridis
„ hypnoides	Tofieldia palustris
Hieracium alpinum	Juncus trifidus
„ Lawsoni	Luzula spicata

Messrs. Fraser and Christie visited the rocks on the left side of Loch Ericht going over, called Black Rock, and found *Polystichum Lonchitis*, *Botrychium Lunaria*, *Littorella lacustris*, *Asplenium viride*, *Carex vaginata*.

Dr. Lauder Lindsay left for Perth at 1 o'clock, and Mr. Astley for Edinburgh at 4.30.

Mr. Kennedy and Mr. W. Dixon went to Killiecrankie and Pitlochry by train and returned in the evening.

Friday, 9th August 1867.

This day the party divided into two. Mr. Fraser and Mr. Edmond again visited the great corrie of Ben Alder along with Donald Kennedy; they rowed in a boat to the shooting-lodge and met Mr. Clark, who accompanied them during the day, and then walked seven or eight miles by the west side of Loch Alder to the corrie. They gathered in the loch *Littorella lacustris*, *Subularia aquatica*, *Isoetes lacustris* (very fine). In the corrie they collected abundance of *Polypodium flexile*, *Cryptogramme crispa*, *Carex pulla*, as well as *Polypodium alpestre*, *Veronica alpina*, and returned about 8.30 p.m. The remainder of the party, now numbering eight, proceeded at 7 a.m. by a drag, calling at Cat Lodge on the way and meeting Mr. and Mrs. Armitstead, passed the inn at Loch Laggan, and went about $3\frac{1}{2}$ miles along the side of the loch. They then proceeded under the guidance of Donald Fraser, keeper to Captain Edwards, to Corryarder, a high hill, probably 3600 feet, the summit being distant about seven or eight miles by the road taken by the party. The party went by the side of the Spean to the foot of the steep cliffs covered with snow. Patches were several hundred feet in length, one of these patches arched so as to form a vaulted passage about two hundred or more feet long. The height of the arch was about seven feet throughout, and the snow very hard. Under the arch the party took shelter from a severe shower. The rocks are in great part inaccessible on account of their steepness: they were promising, but they did not seem to be so productive as was expected.

The party went along the foot of the cliffs to the large gap called "the window of Corryarder," and intended to visit other corries on the opposite side, but too much time was occupied on the first cliffs, and a severe shower of hail and rain arrested their progress. To examine the rest of the mountain fully would require several days. It is an excursion worthy of attention.

Among the plants collected were the following :—

Cochlearia grœnlandica	Armeria maritima
Cerastium alpinum	Veronica humifusa
" trigynum	" alpina
(in fine patches at the	Gymnadenia albida
"window of Corry-	Juncus trifidus
arder")	" triglumis
Rubus Chamæmorus	Carex pauciflora
(in fruit)	" atrata
Sibbaldia procumbens	" vaginata
Saxifraga oppositifolia	Aira alpina vivipara
" stellaris	Poa Balfourii (two states)
" hypnoides	Cryptogramme crispa
(in large patches, and	Blechnum boreale
with very large flowers)	Cystopteris fragilis
Epilobium alpinum	Polystichum Lonchitis
Cornus suecica	Lastrea Filix-mas, vars.
Gnaphalium supinum	" dilatata, vars.
Saussurea alpina	Polypodium alpestre, vars.
(not in flower)	" Dryopteris
Hieracium alpinum	" Phegopteris
Vaccinium uliginosum	

The characteristics of the mountain may be said to be the ferns mentioned and *Cerastium alpinum* and *trigynum*.

The party returned about 6 p.m. to the Inn of Loch Laggan, where they had tea. They found that Sir W. Elliot and Dr. Skae and party were located at the inn. From the inn they returned by the drag to Dalwhinnie, reaching that place after 9 p.m. very wet and fatigued. There seem to be many mountains on both sides of Loch Laggan worthy of careful examination. A party might take up their residence at Loch Laggan Inn and thus be near the scene of their labours. Another station for a party might be Kingussie, where Cairngorm and Ben na Mac Dhu might be visited.

Saturday, 10th August 1867.

The party left Dalwhinnie at 10.8 a.m. by train. Mr. Coore went to Aberfeldy with the view of visiting Ben Lawers.

Messrs. Fraser, Christie, and Edmond went to Dunkeld in order to examine Stenton Crag for *Asplenium germanicum*. The rest of the party, six in number, proceeded to Edinburgh, which was reached about 4.10 p.m.

EXCURSIONS IN 1868.

Gorebridge, Arniston, Kirkhill, Dalhousie.

Saturday, 16th May 1868.

Party of 96 met at the North British Railway Station at 12.30 p.m. and proceeded to Gorebridge, thence walked to Arniston, and along the banks of the Esk to Kirkhill. Reached Dalhousie about 7 p.m. and returned to Edinburgh at 8 p.m. Return tickets, 1s.

Plants collected :—

Anemone nemorosa
Ranunculus auricomus
Aconitum Napellus
Berberis vulgaris
Viola palustris
Stellaria media
Rhamnus catharticus
Prunus Avium
" Padus
Crataegus coccinea
Saxifraga umbrosa
Chrysosplenium alterni-
folium
Ribes nigrum
Philadelphus coronarius
Viburnum Lantana
Doronicum Pardalianches
Anchusa sempervirens
Veronica montana
Lathræa Squamaria
Listera ovata

Orchis mascula
Allium paradoxum
Miliun effusum
Scolopendrium vulgare
Ophioglossum vulgatum
Equisetum maximum
Bryum capillare
" cæspiticiun
Dicranum majus
" squarrosun
Hypnum denticulatum
" cupressiforme
" Schreberi
" undulatum
" squarrosun
Neckera complanata
Hookeria lucens
Marchantia polymorpha
Uredo Alchemillæ
Polyporus squamosus
Ramalina farinacea

Burntisland, Aberdour.*Saturday, 23rd May 1868.*

Party of 80 met at Scotland Street Station at 9.30 a.m. and proceeded to Burntisland, thence walked to Aberdour. Returned by boat leaving Burntisland at 6.3 p.m. Return tickets, 1s.

The following were among the plants collected :—

Thalictrum flexuosum	Ruscus aculeatus
Berberis vulgaris	Triglochin maritimum
Cheiranthus Cheiri	Blysmus rufus
Cochlearia danica	Sclerochloa loliacea
Lepidium Draba	Scolopendrium vulgare
Viola odorata	Botrychium Lunaria
" hirta	Ophioglossum vulgatum
" canina	Bryum caespitium
Cerastium tetrandrum	Anomodon viticulosus
Sagina maritima	Didymodon rubellus
Geranium sanguineum	Ceratodon purpureus
" phæum	Orthotrichum anomalum
" pyrenaicum	Jungermannia dilatata
Rhamnus catharticus	Ramalina scopulorum
Astragalus hypoglottis	Parmelia aquila
Fragaria elatior	Fucus serratus
Anthriscus vulgaris	" nodosus
Centranthus ruber	" vesiculosus
Hieracium Pilosella	" canaliculatus
Anchusa sempervirens	Chondrus crispus
Solanum Dulcamara	Odonthalia pinnata
Salvia Verbenaca	Delesseria sanguinea
Plantago maritima	Ptilota plumosa
Hippophaë rhamnoides	Polysiphonia fastigata
Urtica urens	Corallina officinalis
Parietaria diffusa	

Prestonpans, Cockenzie, Longniddry.*Saturday, 30th May 1868.*

Party of 84 met at the North British Railway Station at 10.30 a.m. and proceeded to Prestonpans, thence walked by

Cockenzie to Longniddry. Returned by train passing Longniddry at 3.36 p.m. Return tickets, 1s.

The following plants were collected :—

Ranunculus hederaceus	Helosciadium repens
Berberis vulgaris	Ceanothe crocata
Chelidonium majus	Carduus nutans
Viola canina	Leontodon lævigatus
Cerastium arvense	Cynoglossum officinale
Stellaria graminea	Orchis incarnata
Honckenia peploides	Triglochin maritimum
Geranium sanguineum	Lemna minor
„ dissectum	Scirpus maritimus
Medicago sativa	Blysmus rufus
Astragalus hypoglottis	Sclerochloa rigida
Vicia sativa	Botrychium Lunaria
„ lathyroides	Tortula muralis
Potentilla verna	Hypnum albicans
Saxifraga tridactylites	„ dendroides
Sempervivum tectorum	

**East Linton, Prestonkirk, Tynningham, Whitbery Point,
the Tyne.**

Saturday, 6th June 1868.

Party of 40 met at the North British Railway Station at 7 a.m. Proceeded to East Linton, thence walked by Prestonkirk to Tynningham, where they were met by a gardener, who acted as guide. Visited the garden along with Mr. Lees, saw some fine Orchids. Thence proceeded through the woods to Whitbery Point, where a fine view was had of the Isle of May, Bass Rock, Berwick Law, Traprairie Law, Lammermuir Hills, Dunbar, &c. Thence by the north of the Tyne, visiting the salt-marshes. Returned by train from East Linton at 3.10 p.m.

The following were among the plants collected :—

Thalictrum minus	Erythræa Centaurium
Sinapis alba	Cynoglossum officinale
Lepigonum marinum	Symphytum tuberosum
Malva rotundifolia	Hyoscyamus niger
Geranium sanguineum	(large quantity)
Trifolium medium	Antirrhinum majus
Astragalus hypoglottis	Plantago maritima
Sempervivum tectorum	Salicornia herbacea
Lonicera Caprifolium	Neottia Nidus-avis
Valeriana officinalis	Ruscus aculeatus
Tanacetum vulgare	Triglochin maritimum
Artemisia maritima	Scirpus maritimus
" gallica	Botrychium Lunaria
Leontodon lævigatus	Ophioglossum vulgatum
Glaux maritima	Polytrichum juniperinum

Winchburgh, Niddry Castle, Ecclesmachan, Binny Crag, Uphall.

Saturday, 13th June 1868.

Party of 41 met at the North British Railway Station at 11.30 a.m. and proceeded to Winchburgh, thence walked to Niddry Castle, Ecclesmachan, Binny Crag, and Uphall. Returned from Uphall by train at 5.51 p.m. Return tickets, 1s.

The following plants were collected :—

Aconitum Napellus	Anchusa sempervirens
Fumaria pallidiflora	Myosotis caespitosa
Viola lutea	Convolvulus sepium
Geranium pratense	Rhinanthus Crista-galli
" dissectum	Mentha velutina
" nodosum	Lamium lævigatum
Saxifraga granulata	Habenaria chlorantha
Æthusa Cynapium	Convallaria majalis
Asperula odorata	Allium paradoxum
Carduus acanthoides	

Several garden plants were found in the wood, including :—

Spiræa rubella	Omphalodes verna
Symphoricarpus racemosus	Nepeta longiflora
Lysimachia tomentosa	

Jedburgh, Arlarly Well, the Jed, Ferniehurst Castle.*Saturday, 20th June 1868.*

Party of 74 met at the North British Railway Station at 6.40 a.m. Proceeded to Jedburgh. Met Mr. E. Jardin at St. Boswells, who accompanied the party and acted as guide during the day. Breakfasted at the Spread Eagle Hotel (Scate). Met the Rev. George Ritchie, minister of the parish, who breakfasted with the party, also Sheriff Rutherford Russel and Mr. Adam Water-son. After breakfast, visited the Abbey, under the direction of Rev. Mr. Ritchie. Walked past Arlarly Well and along the banks of the Jed to Ferniehurst Castle, the old seat of the Lothians. A little beyond the Castle crossed the Jed and returned by the other side of the river to Jedburgh. Left Jedburgh at 4.40 p.m. Return tickets, 4s. 6d. Breakfast, 1s. 6d.

The following were among the plants collected :—

Chelidonium majus	Carex remota
Cardamine amara	„ ovalis
Sinapis alba	„ vulgaris
Geranium sylvaticum	„ pallescens
Trifolium hybridum	„ panicea
Vicia sativa	„ sylvatica
Geum intermedium	„ flava
Sanicula europæa	„ hirta
Galium palustre	„ paludosa
Carduus heterophyllus	Aira cæspitosa
Campanula latifolia	Holcus mollis
Lysimachia nemorum	Melica uniflora
Veronica montana	Blechnum boreale
Melampyrum pratense	Cystopteris fragilis
Plantago media	Lastrea Oreopteris
Salix aquatica	„ spinulosa
Listera ovata	Polypodium Dryopteris
Paris quadrifolia	Neckera complanata
Juncus acutiflorus	Calicium furturaceum
Carex paniculata	Sticta pulmonaria
„ stellulata	

**Selkirk, Haining, Haining Lochs, the Ettrick, Philiphaugh,
the Yarrow, Newark Castle, Bowhill.**

Saturday, 27th June 1868.

Party of 50 met at the North British Railway Station at 6.40 a.m. and proceeded to Selkirk. Breakfasted there in the County Hotel. At breakfast they were joined by Sir Walter Elliot, Rev. James Ferguson, and Rev. Mr. Brown (Episcopalian minister) from Edinburgh. Dr. Henry Anderson and Dr. John S. Muir were prevented accompanying the party by medical engagements. Rev. Mr. Ferguson acted as guide. The Rev. Mr. Davidson, United Presbyterian minister, and Mr. Scott, farmer, Philiphaugh, also accompanied the party. After breakfast they proceeded to Haining, the grounds of which they were allowed to visit through the kindness of Mrs. Pringle Douglas, whose gardener (Mr. Scott) assisted the party in their search for plants. The party visited Haining Lochs, in one of which the white and yellow water-lilies were abundant, and in the neighbouring pastures *Botrychium Lunaria* and *Ophioglossum vulgatum*. From Haining the party proceeded by the banks of the Ettrick to Philiphaugh, the grounds of which they were permitted to visit by Sir John N. Murray, the proprietor, and Mr. Pierie, the tenant, and visited the scene of the battle of Philiphaugh, thence proceeded by the banks of the Yarrow to Newark Castle, walked over the hills to Bowhill, which, through the kindness of His Grace the Duke of Buccleuch, they also visited, under the guidance of Mr. Matheson, the gardener's son. Afterwards some of the party ascended the hill above Philiphaugh for *Listera cordata*. All met at Selkirk about 7.30 and returned by express train at 7.45 to Edinburgh. Return tickets, 3s. 3d. Breakfast, 1s. 6d.

The following plants were collected:—

Ranunculus Lingua	Iberis amara (Philiphaugh)
Nuphar luteum (Haining)	Reseda lutea
Nymphæa alba (Haining)	Viola lutea (Philiphaugh)
Cardamine amara	Stellaria nemorum
(Philiphaugh)	(Philiphaugh)
Arabis hirsuta	Geranium pratense
(Ettrick banks)	(Philiphaugh)

<i>Astragalus Glyciphyllus</i>	<i>Campanula latifolia</i>
<i>Trifolium arvense</i> (Ettrick banks)	(Bowhill)
<i>Potentilla reptans</i> (Philiphaugh)	<i>Vaccinium Vitis-Idæa</i> (Philiphaugh)
" <i>fruticosa</i>	<i>Erica Tetralix</i>
<i>Saxifraga umbrosa</i>	<i>Pyrola minor</i> (Bowhill)
" <i>hypnoides</i>	<i>Lysimachia Nummularia</i> (Ettrick banks)
<i>Sedum Rhodiola</i>	<i>Trientalis europæa</i> (Bowhill)
" <i>Telephium</i>	<i>Symphytum tuberosum</i> (Philiphaugh)
" <i>villosum</i> (Philiphaugh)	<i>Lithospermum officinale</i>
<i>Drosera rotundifolia</i> (Philiphaugh)	<i>Veronica scutellata</i> (near Newark)
<i>Myriophyllum spicatum</i>	<i>Melampyrum pratense</i> (Bowhill)
<i>Peplis Portula</i> (near Newark)	<i>Calamintha Clinopodium</i>
<i>Epilobium angustifolium</i> (Bowhill)	<i>Scutellaria galericulata</i> (Philiphaugh)
" <i>hirsutum</i> (Bowhill)	<i>Populus alba</i>
<i>Circæa lutetiana</i> (Bowhill)	" <i>nigra</i>
<i>Hydrocotyle vulgaris</i> (near Newark)	<i>Empetrum nigrum</i> (Philiphaugh)
<i>Sanicula europæa</i> (Bowhill)	<i>Neottia Nidus-avis</i> (Bowhill)
<i>Adoxa Moschatellina</i> (Bowhill)	<i>Listera cordata</i> (Philiphaugh)
<i>Lonicera Periclymenum</i>	" <i>ovata</i> (Haining)
<i>Asperula odorata</i> (Bowhill)	<i>Gymnadenia conopsea</i> (Philiphaugh)
<i>Valeriana dioica</i> (Haining)	<i>Habenaria viridis</i> (Haining)
" <i>pyrenaica</i>	" <i>bifolia</i> (Haining)
<i>Solidago Virgaurea</i>	" <i>chlorantha</i>
<i>Doronicum Pardalianches</i> (Bowhill)	<i>Iris Pseudacorus</i>
<i>Carduus heterophyllus</i> (Bowhill)	<i>Allium ursinum</i> (Bowhill)
<i>Hieracium aurantiacum</i> (by the side of the loch at Bowhill)	<i>Lilium Martagon</i>
" <i>collinum</i> (in quantity by the Ettrick)	<i>Typha angustifolia</i>
	<i>Alisma Plantago</i>
	<i>Potamogeton prælongus</i>
	" <i>pectinatus</i>

<i>Carex pulcaris</i> (Philiphaugh)	<i>Melica uniflora</i> (Bowhill)
" <i>intermedia</i> (Haining)	<i>Asplenium Trichomanes</i> (Selkirk Bridge)
" <i>teretiuscula</i> (Haining)	" <i>Ruta-muraria</i> (Selkirk Bridge)
" <i>paniculata</i> (Haining)	<i>Aspidium lobatum</i> (Bowhill)
" <i>remota</i> (Ettrick banks)	<i>Lastrea Oreopteris</i> (Bowhill)
" <i>curta</i> (Ettrick banks)	<i>Polypodium Dryopteris</i> (Bowhill)
" <i>pallescens</i> (near Newark)	" <i>Phegopteris</i> (Philiphaugh)
" <i>panicea</i> (Philiphaugh)	<i>Ophioglossum vulgatum</i> (Haining)
" <i>sylvatica</i> (Bowhill)	<i>Botrychium Lunaria</i> (Haining)
" <i>fulva</i> (Philiphaugh)	<i>Lycopodium Selago</i> (Philiphaugh)
" <i>flava</i> (Philiphaugh)	
" <i>hirta</i> (Philiphaugh)	
" <i>ampullacea</i>	
<i>Phalaris arundinacea</i>	
<i>Holcus mollis</i>	
<i>Avena pratensis</i> (Bowhill)	

Perth, Muirward Wood, Scone, Kinnoul Quarry.

Saturday, 4th July 1868.

A small party proceeded to Perth by 9.45 a.m. train, visited Muirward Wood, Scone, and Kinnoul Quarry, accompanied by Mr. Macfarlane, Perth.

In Muirward Wood were seen :—

<i>Linnæa borealis</i> (in considerable quantity)	<i>Trientalis europæa</i>
<i>Moneses grandiflora</i>	<i>Listera cordata</i> (abundantly)
	<i>Lastrea spinulosa</i>

In Quarry Mill Den :—

<i>Rubus nitidus</i>	<i>Pyrola minor</i>
<i>Rosa arvensis</i>	<i>Lysimachia Nummularia</i>
<i>Sedum reflexum</i>	<i>Alisma Plantago</i>

In Kinnoul Quarry :—

<i>Malva moschata</i>	<i>Poterium Sanguisorba</i>
<i>Trifolium striatum</i>	<i>Rosa systyla</i>
<i>Potentilla hirta</i>	<i>Antirrhinum majus</i>
" <i>argentea</i>	

**Montrose, Usan Mains, Buddon, Rock of St. Skeoch,
Dunninald Den.**

Saturday, 11th July 1868.

Party of 34 met at the North British Railway Station at 6.25 a.m. and proceeded by Burntisland and Perth to Dubton Station near Montrose, which they reached about 11.30 a.m. At the station they were met by Drs. Howden and Simpson and conveyed in omnibuses to the Royal Asylum, where breakfast had been prepared for the party by Dr. Howden. After breakfast the party, accompanied by Drs. Howden and Simpson, proceeded in omnibuses to Montrose, thence along the coast as far as Usan Mains, then walked along the shore to Buddon, the Rock of St. Skeoch, and Dunninald Den. Returned from Montrose, which they left at 5.15 p.m., and reached Edinburgh about 10 p.m. Return tickets, 6s. 6d. Omnibuses, 1s. 6d.

The following plants were collected :—

Sagina maritima	Mertensia maritima
Lepigonum marinum	Atriplex Babingtonii
Astragalus Glyciphyllus	Goodyera repens
Vicia sylvatica	Habenaria viridis
Linnæa borealis	Juncus Gerardi
Matricaria maritima	„ glaucus
Carlina vulgaris	Scirpus sylvaticus
Campanula glomerata	Carex distans
Pyrola secunda	Triticum pungens
Trientalis europæa	Asplenium marinum

Dumfries, Den Mill, Rutton Loch, Cargen.

Saturday, 18th July 1868.

Party of 60, besides 12 under the charge of Professor Laycock, met at the Caledonian Railway Station at 7.40 a.m. and proceeded to Dumfries, which they reached about 11.30 a.m. The party were conveyed from the station to the Royal Crichton Institution, where they were provided with breakfast. At breakfast they were joined by Dr. Gilchrist, Dr. M'Nab, Dr. Grierson, Dr.

Chalmers, &c., &c. Breakfast over, Professor Balfour thanked Dr. Gilchrist for the handsome way he had treated the party. The botanical party then left in omnibuses and visited Den Mill, Rutton Loch, and Cargen (Dudgen's), and returned to Dumfries in time for train at 6.10 p.m. for Edinburgh. Return tickets, 5s.

The following plants were collected :—

Lepidium Smithii	Sparganium simplex
Sagina nodosa	Alisma ranunculoides
Geranium sanguineum	Potamogeton heterophyllus
Genista tinctoria	" lucens
Vicia sylvatica	" praelongus
Sedum reflexum	Scolopendrium vulgare
Lythrum Salicaria	Lastrea Oreopteris
Carum verticillatum	Polypodium Dryopteris
Meum athamanticum	" Phegopteris
Galium palustre	Chara flexilis
Achillea Ptarmica	" vulgaris
Lobelia Dortmanna	Neckera crispa
Jasione montana	" complanata
Melampyrum pratense	Fontinalis antipyretica
Stachys Betonica	Aulacomnion palustre
Littorella lacustris	Sticta fuliginosa
Gymnadenia albida	

Aberfeldy, Ben Lawers, Farrichar Quarry, Moness Falls.

Thursday, 23rd July 1868.

Party consisting of J. H. Balfour, A. P. Aitken, John Archibald, Rev. Charles T. Astley, George Bowman, John Storrs Brookfield, W. H. Brown, A. Craig Christie, Henry M. Church, J. Clelland Clarke, R. F. Colvin, William Craig, Louis Conrad Jockel, John Leitch, Robert Lindsay (gardener), William Logie, Thomas Wm. Mawson, Hugh Miller, P. Miller, Alexander Morrison, F. Naylor, David Page, John Sadler, John A. Simpson, R. Sive-wright, Dr. R. H. Traquair, George Twentymen, Dr. Arthur Abney Walker, E. A. Walker, J. Watters, Dr. H. A. Weddell (Switzerland), Miss Weddell (Switzerland), left Edinburgh per Edinburgh, Perth, and Dundee Railway at 1.10 p.m. and proceeded to Aberfeldy. They stayed at M'Kenzie's Breadal-

bane Arms Hotel. Next morning the party breakfasted at half-past 5, and at 6.15 started in three drags for Ben Lawers, which they reached between 9 and 10 o'clock. They ascended Ben Lawers and returned to Lawers Inn about 6 o'clock, arriving in Aberfeldy about 9 p.m. Next day Farrichar Quarry and the Moness Falls were visited. The party left Aberfeldy at 1.30 and arrived in Edinburgh about 7 p.m.

The following plants were collected on Ben Lawers:—

<i>Thalictrum alpinum</i>	<i>Luzula spicata</i>
<i>Draba incana</i>	<i>Carex atrata</i>
" <i>rupestris</i>	<i>Sesleria cærulea</i>
<i>Cochlearia alpina</i>	<i>Poa alpina</i>
<i>Silene acaulis</i>	" <i>Balfourii</i>
<i>Cerastium alpinum</i>	<i>Botrychium Lunaria</i>
<i>Stellaria nemorum</i>	<i>Sphagnum obtusifolium</i>
<i>Alsine rubella</i>	" <i>acutifolium</i>
<i>Cherleria sedoides</i>	" <i>squarrosus</i>
<i>Sagina saxatilis</i>	<i>Conostomum boreale</i>
" <i>nivalis</i>	<i>Encalypta ciliata</i>
<i>Rubus Chamæmorus</i>	<i>Trichostomum patens</i>
<i>Potentilla maculata</i>	" <i>lanuginosum</i>
<i>Sibbaldia procumbens</i>	<i>Polytrichum hercynicum</i>
<i>Alchemilla alpina</i>	" <i>alpinum</i>
<i>Saxifraga nivalis</i>	<i>Bryum Zierii</i>
" <i>cernua</i>	" <i>crudum</i>
<i>Epilobium alsinifolium</i>	<i>Timmia megapolitana</i>
" <i>alpinum</i>	<i>Bartramia pomiformis</i>
<i>Cornus suecica</i>	" <i>ithyphylla</i>
<i>Erigeron alpinus</i>	" <i>Halleriana</i>
<i>Gnaphalium supinum</i>	<i>Neckera crispa</i>
<i>Saussurea alpina</i>	" <i>complanata</i>
<i>Hieracium holosericeum</i>	<i>Hypnum rugosum</i>
<i>Gentiana nivalis</i>	<i>Blindia acuta</i>
<i>Myosotis alpestris</i>	<i>Alectoria jubata</i>
<i>Veronica saxatilis</i>	<i>Cetraria glauca</i>
<i>Salix herbacea</i>	" <i>islandica</i>
" <i>reticulata</i>	<i>Solorina crocea</i>
<i>Tofieldia palustris</i>	<i>Sticta sylvatica</i>
<i>Juncus biglumis</i>	<i>Lecanora Hookeri</i>
" <i>triglumis</i>	" <i>tartarea</i>

At Farrichar and Moness :—

Carduus heterophyllus	Melampyrum sylvaticum
Hieracium Lawsoni	Calamintha Clinopodium
Campanula latifolia	Asplenium viride
Trientalis europæa	Polypodium calcareum

Some went to Killiecrankie and collected :—

Lathyrus niger

Some visited Methven Bog and collected :—

Genista anglica	Carex irrigua
Vaccinium Oxycoccus	„ limosa
Scheuchzeria palustris	Lastrea spinulosa

Gatehouse and Kirkcudbright.

Tuesday, 4th August 1868.

Party consisting of J. H. Balfour, A. P. Aitken, Charles T. Astley (Kent), A. Craig Christie, H. M. Church, R. P. Colvin, A. T. Coore, D. Liston, G. Twentyman, left Edinburgh by the Caledonian Railway Station at 1.10 p.m. for Gatehouse, travelling by Dumfries, and then by the Glasgow and South-Western Railway for Tarff Station, which was reached about 7 p.m. Professor Liston joined the party at Beattock, Rev. R. P. Colvin at Lochmaben, and Mr. Coore at Dumfries.

Tarff Station is eight miles from Gatehouse. There is another Gatehouse station called Drumore, on the Caledonian and Portpatrick line, distant about seven miles from Gatehouse. The line from Dumfries to Gatehouse by the Caledonian Railway is longer than that by the Glasgow and South-Western. From Tarff the party was conveyed by omnibus to Mr. M^cMichael's inn called the Murray Arms, where all were comfortably accommodated, arrangements having been previously made with the hotel-keeper. The party had their usual tea-dinner. Afterwards Dr. Balfour, with Mr. Astley and Mr. Coore, walked to Ardwell (distant two miles) to call on Mr. Walter Macculloch and to get

from him information as to the country. Mr. Macculloch had been a pupil at the High School of Edinburgh under Dr. Carson along with Dr. Balfour.

Wednesday, 5th August 1868.

Breakfasted at 7 and started at 8 by omnibus for Glen Farn, passing Ardwell, where Mr. Macculloch joined the party in his two-horse drag, and accompanied them. Anwoth was passed, the parish of Rutherford. There is a monument on the top of a hill to the old divine who, after being minister of this parish, was promoted to St. Andrews.

From Glen Farn ascended the hill called Cairn Hanna (?), 1497 feet above the level of the sea. Very few plants were gathered, none of an alpine character :—

Ranunculus Flammula, var.	Centaurea nigra
Polygala vulgaris	(radiate form)
" oxyptera	Vaccinium Oxycoccus
Parnassia palustris	Anagallis tenella
Drosera rotundifolia	Menyanthes trifoliata
Hippuris vulgaris	Empetrum nigrum
Carum verticillatum	Lastrea dilatata, var. montana

The dry weather had withered the grass, and there was little vegetation on the upper portion of the hill. On the top there were some deep mud ponds, in one of which four sheep were found immersed. From the top of the hill the party descended to the Shean, which passes through a wooded ravine to Kirkdale as far as the shore of Wigton Bay.

In the glen *Polystichum angulare* was gathered, and on rocks not far from Ravenshall *Crithmum maritimum*. In Kirkdale Glen there was abundance of ordinary ferns, also *Hypericum Androsæmum*, *H. maculatum*, a variety of *H. dubium*, *Viburnum Opulus*, *Stachys Betonica*.

Walked by the shore by Dirk Hatteraick's Cave and Ravenshall Point, near which the party bathed. We proceeded to Kirkclaugh, the residence of Mr. Alex. Macculloch, where we lunched. Thence we proceeded, accompanied by Mr. Walter Macculloch, along the shore to Ardwell.

The plants gathered on the shore were :—

Cakile maritima	Statice spathulata
Silene maritima	(small forms like)
Lepigonum marinum	Armeria maritima
Lathyrus sylvestris	Scutellaria galericulata
Enanthe Lachenalii	Plantago maritima
" crocata	Juncus maritimus
Carduus lanceolatus, var.	Schoenus nigricans
Statice Limonium	Asplenium marinum
" bahusiensis	

Reached Ardwell about 6 p.m. and dined with Mr. Macculloch, who was most kind and hospitable. About 9.30 returned by omnibus to Gatehouse, and were employed for some time putting plants in paper.

Thursday, 6th August 1868.

Breakfasted at 7 a.m. Started at 8 by omnibus for Kirkcudbright, visited St. Mary's Isle, walked on both sides of it, returned to Kirkcudbright, walked to the bridge over the Dee at Tongue-land. Returned to Kirkcudbright to lunch at the Commercial Hotel.

Among the plants gathered on the isle were :—

Cochlearia officinalis	Statice bahusiensis
Lepigonum marinum	Salicornia herbacea
Acer campestre	Suaeda maritima (very large)
Spiræa salicifolia	Listera ovata
Sedum Telephium	Epipactis latifolia
Circaea lutetiana	Convallaria multiflora
Epilobium angustifolium	Potamogeton polygonifolius
Aster Tripolium	Festuca gigantea
Statice Limonium	Ophioglossum vulgatum

Near Kirkcudbright we found *Lepidium Smithii*, and near Tongue-land *Serratula tinctoria*.

Returned to Commercial Inn at Kirkcudbright to lunch, and then proceeded by omnibus to Borge. On the way gathered :—

Helleborus viridis	Convolvulus sepium
Inula Helenium	Verbascum Thapsus
Senecio saracenicus	

From Borgue village went to the shore at Kirkandrew, visited the rocks on the shore, and collected :—

Silene maritima	Haloscias scoticum
Lepigonum marinum	Aster Tripolium
Sedum anglicum	Artemisia maritima
Crithmum maritimum	Carlina vulgaris

Omnibus met the party at Kirkandrew, and they proceeded by Margay to Gatehouse.

Friday, 7th August 1868.

Breakfasted at 7 a.m., and at 8 proceeded by omnibus to Drumore Station. Near the station heavy rain came on, and some of the party thought it better not to visit the mountain. There was a division, therefore, of the party. One ascended the hill called Cannismore, 2600 feet above the level of the sea. This mountain is one of the highest in the county. It is difficult to ascend on the western side, and produces no plants of interest.

Ascended to the top of the hill, and had a fine view from the cairn. Saw the mountains of Kirkcudbright, the Isle of Man, Cumberland hills, Ailsa Craig, Arran.

The rocks facing the east were more crumbling and productive, and on them were gathered :—

Saxifraga stellaris	Cryptogramme crispa
" hypnoides	Lycopodium Selago
Salix herbacea	" clavatum
Rhynchospora alba	" alpinum
(near Drumore)	" selaginoides

Upon the whole, the mountain was very poor as regards alpine species.

The other division of the party proceeded by train to Creetown, and examined the shore between it and Gatehouse.

They collected :—

Glaucium luteum	Vicia sylvatica
Crambe maritima	Lathyrus sylvestris
Hypericum Androsæmum	Prunus spinosa
" dubium	Rubus discolor
" quadrangulum	Pyrus Malus

Sedum rupestre	Beta maritima
Epilobium hirsutum	Salix Smithiana
Crithmum maritimum	Juncus maritimus
Haloscias scoticum	Scirpus maritimus
Hieracium boreale	Asplenium marinum
" umbellatum	Scolopendrium vulgare
Solanum Dulcamara	Polystichum angulare

Saturday, 8th August 1868.

This morning Mr. Coore left at 8 a.m. for England. The rest of the party were occupied with drying plants. Some visited the marsh near Gatehouse, and gathered *Vicia angustifolia*, *Oenanthe crocata*, and *Veronica Anagallis*.

Under the direction of Mr. Moule, factor of Mr. Murray Stewart, party visited the grounds and gardens at Cally House. The garden is well kept by Mr. Miller, the gardener. On the shore of the loch in the grounds gathered :—

Nasturtium palustre	Lysimachia Nummularia
Callitriche autumnalis	Littorella lacustris
Peplis Portula	Polygonum Hydropiper
Gnaphalium uliginosum	

Visited the Horticultural Show; competition chiefly among the working classes, very creditable. After lunch left at 1.30 p.m. for Tarff Station and proceeded to Dumfries.

At Tarff Station gathered *Genista tinctoria*, *Rosa spinosissima*, and *Alisma Plantago*.

On reaching Dumfries there was a delay of an hour and a half. After tea some visited the banks of the Nith near the old bridge, and collected *Medicago denticulata*, *M. maculata*, *Xanthium spinosum*, and *Phalaris canariensis*.

From Dumfries proceeded at 6.10 to Lockerbie, where *Symphytum officinale* was gathered, then proceeded by quick train to Edinburgh, which was reached about 10 p.m.

EXCURSIONS IN 1869.

Clova.

Thursday, 22nd April 1869.

A party, consisting of J. H. Balfour, I. B. Balfour, and William Bell, proceeded at 6.30 a.m. for Kirriemuir, by Scottish Central Railway. From Kirriemuir they went by dogcart to the Ogilvy Arms, Clova, kept by Mr. James Alexander, which was reached about 2.15 p.m. At Kirriemuir they parted with Messrs. Storchmonth Darling, J. Hunt, and G. Brown, who went to Lednaltrie.

After dinner, party went to Loch Brandy and examined the rocks in the vicinity, gathering on the way *Eriophorum vaginatum*, *Luzula campestris*, *Tussilago Farfara*, *Lycopodia*, and many good mosses.

Friday, 23rd April 1869.

Visited Robert Welsh at Acharn, and then went to Glen Fee, passing round the top of the glen to its eastern side. Among the plants gathered were :—

<i>Caltha minor</i>	<i>Hypnum molle</i>
<i>Oxytropis campestris</i>	„ <i>fluitans</i>
<i>Saxifraga oppositifolia</i>	(many varieties)
<i>Tussilago Farfara</i>	„ <i>revolvens</i>
<i>Arctostaphylos Uva-ursi</i>	„ <i>aduncum</i>
<i>Pyrola media</i>	<i>Mnium subglobosum</i>
<i>Eriophorum vaginatum</i>	(fine fruit)
„ <i>polystachyon</i>	„ <i>cinclidioides</i>
<i>Woodsia hyperborea</i>	(barren)
<i>Bryum Duvalii</i> (barren)	<i>Splachnum sphæricum</i>
<i>Encalypta rhabdocarpa</i>	<i>Trichostomum glaucum</i>
<i>Fontinalis squarrosa</i>	
(in fruit)	

Saturday, 24th April 1869.

Visited Loch Wharral, Loch Brandy, and the corrie near it. The rocks at Loch Wharral dry and not disintegrating. Few plants found. Abundance of *Saxifraga oppositifolia* in fine flower. *Azalea procumbens* on tops of mountains. Visited landslip at Loch Brandy. There is a large rent at the summit

of the hill, and ere long there must be an avalanche of rocks into the loch. The rent has been increasing for many years. Many mosses and lichens, among them *Oligotrichum hercynicum*.

Monday, 26th April 1869.

Visited Bachnagairn, a shooting-lodge in Glen Esk. Examined the hills in neighbourhood, which were covered with large patches of snow. Many good mosses found, among them :—

Bryum alpinum (in fruit)	Fissidens osmundioides
" intermedium	Grimmia canescens
" torquescens	Hypnum elegans
Cylindrothecium Montagnei	" flagellare

Tuesday, 27th April 1869.

Dr. Balfour and William Bell returned to Edinburgh, which was reached about 6.20 p.m. I. B. Balfour remained at Clova for fishing.

Penicuik, Auchendinny, Roslin.

Saturday, 15th May 1869.

A party of 114 met at the North British Railway Station at 7.45 a.m. and proceeded to Penicuik. Visited Penicuik Glen, walked by banks of Esk to Auchendinny and Roslin, returning from Roslin at 3.12 p.m. Return tickets, 1s.

Among the plants collected were:—

Anemone nemorosa	Doronicum Pardalianches
Ranunculus auricomus	Vinca minor
" Ficaria	Veronica montana
Cardamine amara	Salix alba
Stellaria nemorum	" Caprea
Prunus Avium	" aquatica
" Padus	Neottia Nidus-avis
Pyrus Aucuparia	Lilium Martagon
" Malus	Polypodium Dryopteris
Chrysosplenium alterni-	" Phegopteris
folium	Equisetum maximum
Ribes alpinum	" umbrosum
Adoxa Moschatellina	Orthotrichum affine
Valeriana pyrenaica	Morchella esculenta

Burntisland, Kinghorn, Pettycur.*Saturday, 22nd May 1869.*

Party of 86 met at the Waverley Station (Grantown Branch) at 9.45 a.m. and proceeded to Kinghorn, thence walked to Burntisland along the coast by Pettycur. Returned from Burntisland at 3.3 p.m. Fare, 1s.

The following plants were collected :—

Papaver Argemone	Lamium incisum
Fumaria pallidiflora	Hippophaë rhamnoides
Alyssum calycinum	Botrychium Lunaria
Brassica campestris	Grimmia orbicularis
Lepidium Draba	(new to Fifeshire)
Thlaspi arvense	" leucophæa
Viola canina	Trichostomum crispulum
Cerastium arvense	(new to Fifeshire)
Geranium sanguineum	Schistidium maritimum
Astragalus hypoglottis	Weissia controversa
" Glyciphyllus	Parmelia parietina
Anthriscus vulgaris	Ramalina scopulorum
Senecio viscosus	Fucus canaliculatus
Leontodon lævigatus	" serratus
Borago officinalis	" nodosus
Lycium barbarum	" vesiculosus
Veronica Buxbaumii	Laminaria digitata
Salvia Verbenaca	Polysiphonia fastigiata

South Queensferry, North Queensferry, Inverkeithing.*Saturday, 29th May 1869.*

Party of 100 met at the Waverley Station at 9.15 a.m. and proceeded to South Queensferry, thence by steamboat to North Queensferry, and botanised as far as Inverkeithing. Returned from North Queensferry at 4.45 p.m. and by train leaving South Queensferry at 5.50 p.m. Return tickets, 1s.

The Rev. Mr. Colvin and Rev. Mr. Ferguson, Glen Prosen, accompanied the party.

The following plants were collected :—

Thalictrum flexuosum	Sedum villosum
Berberis vulgaris	Ceanothe crocata
Cheiranthus Cheiri	Asperula odorata
Viola hirta	Echium vulgare
" canina	Allium ursinum
Sagina maritima	Botrychium Lunaria
Lepigonum marinum	Rhodymenia palmata
Montia fontana	Delesseria sanguinea
Geranium sanguineum	" laciniata
Astragalus Glyciphyllus	Ulva latissima

Dirleton, Dirleton Castle, North Berwick.

Saturday, 5th June 1869.

Party of 40 met at 7.10 a.m. at the Waverley Station and proceeded to Dirleton, visited Dirleton Castle and Common, walked to North Berwick, visited North Berwick Law. Returned from North Berwick by train reaching Edinburgh about 4.15 p.m. Return tickets, 1s. 10d.

The following plants were collected :—

Cheiranthus Cheiri	Leontodon lævigatus
Alyssum calycinum	Chenopodium Bonus-
Saxifraga tridactylites	Henricus
Smyrnum Olusatrum	Euphorbia Peplus
Centranthus ruber	Parietaria diffusa
Senecio sylvaticus	Equisetum palustre
Carduus tenuiflorus	" variegatum

Manuel, Manuel Mill, Woodcockdale, Carriber Glen, Buden Hill, Cockle Roy, Linlithgow.

Saturday, 12th June 1869.

Party of 86 met at the Waverley Station at 11.30 a.m. and proceeded to Manuel, thence walked to Manuel Mill, Woodcock-

dale, Carriber Glen and Castle, Buden Hill, Cockle Roy, and Linlithgow. Returned by train passing Linlithgow at 6.45 p.m. Return tickets, 1s. 6d.

The following plants were collected :—

Trollius europæus	Sanicula europæa
Aquilegia vulgaris	Adoxa Moschatellina
Berberis vulgaris	Viburnum Opulus
Chelidonium majus	Polemonium cæruleum
Fumaria pallidiflora	Symphytum officinale
Viola odorata	Myosotis cæspitosa
„ lutea	Calamintha Clinopodium
Geranium sanguineum	Lysimachia thyrsiflora
„ nodosum	Neottia Nidus-avis
„ sylvaticum	Epipactis latifolia
„ lucidum	Habenaria chlorantha
Geum intermedium	Allium Schœnoprasum
Rosa alpina	Ophioglossum vulgatum
(Carriber Castle)	Botrychium Lunaria
Saxifraga umbrosa	Equisetum umbrosum
Sedum villosum	

Denny, Banks of Carron Water, Hermitage.

Saturday, 19th June 1869.

Party of 60 met at the Waverley Station at 9.15 a.m. Proceeded to Denny, thence walked under Dr. Peter White's guidance up the banks of Carron Water as far as the Hermitage, and returned to Denny, which was left at 5.5 p.m. Return tickets, 2s. 7½d.

The following plants were gathered :—

Trollius europæus	Cardamine amara
Meconopsis cambrica	Geranium sylvaticum
Viola canina	Rubus saxatilis
„ lutea	Fragaria elatior

Sedum villosum	Habenaria bifolia
" anglicum	" chlorantha
Sempervivum tectorum	Cystopteris fragilis
Carum Carui	Lastrea Oreopteris
Carduus heterophyllus	Polypodium Dryopteris
Menyanthes trifoliata	" Phegopteris
Mimulus luteus	Botrychium Lunaria
Listera ovata	Cornicularia aculeata
Orchis latifolia	Cladonia rangiferina
" maculata	Parmelia saxatilis
Gymnadenia conopsea	Urceolaria scruposa
" albida	Lecanora parella

**Cleghorn, Banks of the Mouse, Cartland Crag, Stonebyres,
Lanark.**

Saturday, 26th June 1869.

Party of 94 met at the Caledonian Railway Station (Lothian Road) at 10.10 a.m. Proceeded to Cleghorn, thence walked along the banks of the Mouse to Cartland Crag, then by Stonebyres to Lanark, which was left at 5.5 p.m. At Cleghorn the party were met by Professor Dickson, Glasgow, and fifteen of his students. Return tickets, 2s. 8d.

The following plants were collected :—

Trollius europæus	Carum Carui
Aquilegia vulgaris	Viburnum Opulus
Hesperis matronalis	Carduus heterophyllus
Geranium sylvaticum	Jasione montana
" lucidum	Vinca minor
Trifolium medium	Polemonium cæruleum
" striatum	Populus tremula
Vicia Orobus	Gymnadenia conopsea
Rubus saxatilis	Habenaria chlorantha
Geum intermedium	Equisetum hyemale
Fragaria elatior	Tortula Mülleri

Dollar, Castle Campbell Glen, the Ochils.*Saturday, 3rd July 1869.*

Party of 50 met at the Waverley Station at 6.30 a.m. Proceeded *via* Stirling to Dollar, breakfasted there in Henderson's Castle Campbell Hotel, thence walked through Castle Campbell Glen to the Castle and the Ochils, returning to Dollar by King's Seat. The party was joined at breakfast by Dr. Strachan, Mr. Westwood, and Dr. Strachan's son acted as guide to the party. Return tickets, 3s. Breakfast, 1s. 6d.

The following plants were collected :—

Stellaria nemorum	Myosotis palustris
Geranium sylvaticum	Gymnadenia conopsea
Ornithopus perpusillus	„ albida
Epilobium alsinifolium	Habenaria chlorantha
Saxifraga stellaris	Eriophorum latifolium
„ hypnoides	Carex rigida
Smyrnum Olusatrum	Hymenophyllum Wilsoni
Solidago Virgaurea	Scolopendrium vulgare
Vaccinium Vitis-Idæa	Equisetum umbrosum

**Kelso, Twizel, Milnegraden, The Tweed, Ladykirk,
Paxton, Norham, Berwick.**

Saturday, 10th July 1869.

Party of about 50 met at the Waverley Station at 6.35 a.m. and proceeded to Kelso, breakfasted there, thence went by train to Twizel, where they crossed the Tweed to Milnegraden, conducted by the gardener through the grounds, thence walked by banks of the Tweed to Ladykirk, the residence of Mr. Robertson, M.P. Mr. Scott, the gardener, conducted the party through the garden, houses, and stable. At 1.15 the party, at the invitation of Mr. Robertson, sat down to luncheon in Ladykirk House. The party then proceeded to Paxton, visiting by the way the parish

church of Norham and the old Castle. At Paxton, Mr. Milne Home supplied the party with refreshments. From there the party proceeded direct to Berwick, which they left by the London express train at 7 p.m., reaching Edinburgh about 8.30. Dr. Douglas (Kelso), Mr. Boyd (Ormiston), and Dr. Paxton (Norham), joined the party.

The following plants were collected :—

<i>Thalictrum flexuosum</i>	<i>Enanthe crocata</i>
<i>Ranunculus arvensis</i>	<i>Scabiosa Columbaria</i>
<i>Nasturtium sylvestre</i>	<i>Silybum Marianum</i>
" <i>palustre</i>	<i>Echium vulgare</i>
<i>Cerastium arvense</i>	<i>Mentha viridis</i>
<i>Medicago denticulata</i>	<i>Epipactis latifolia</i>
" <i>maculata</i>	<i>Serrafalcus racemosus</i>

**Perth, Dunkeld, Birnam Glen, Rumbling Bridge,
Strath Braan.**

Saturday, 17th July 1869.

Party of 34 met at the Waverley Bridge—Edinburgh, Perth, and Dundee Station—at 6.20 a.m. and proceeded to Perth. Breakfasted in Railway Refreshment Rooms (Mr. M'Donald). At breakfast the party were joined by Dr. Lauder Lindsay, Dr. Bramwell, Rev. Mr. Lowe, and Mr. Dawson. After breakfast the party crossed the Tay by the Railway Bridge to Barnhill Toll, examined the north bank for a short distance, and returned to Perth by the Witch Quarry and Bridge End. The party left Perth by train for Dunkeld at 12.45. On arriving at Dunkeld the party proceeded up Birnam Glen for about a couple of miles and then struck across the country to the Rumbling Bridge, returning to Dunkeld by Strath Braan. The party left Dunkeld at 6.15 and reached Edinburgh about 10.30 p.m. Return tickets, 5s. 2d. Breakfast, 1s. 9d.

The following plants were collected :—

Chelidonium majus	Poterium Sanguisorba
Armoracia rusticana	Saxifraga aizoides
Hesperis matronalis	Sedum album
Lepidium Smithii	Astrantia major
Iberis amara	Cicuta virosa
Saponaria officinalis	Ænanthe crocata
Cerastium arvense	Daucus Carota
Hypericum humifusum	Galium boreale
Malva moschata	Campanula rapunculoides
Radiola Millegrana	Vaccinium Oxycoccus
Geranium pyrenaicum	Linaria repens
Genista anglica	Mimulus luteus
Trifolium scabrum	Galeopsis versicolor
Spiræa salicifolia	Lamium maculatum
Potentilla hirta	Polygonum viviparum
„ argentea	Listera cordata
Sanguisorba canadensis	Scheuchzeria palustris

Clova.

Thursday, 22nd July 1869.

Party consisting of J. H. Balfour, Andrew P. Aitken, James C. Allman, W. Bell, John Brown, Alexander Craig Christie, Henry M. Church, Robert F. Colvin, E. C. Craig, J. C. Cruaux, Alfred C. E. Harris, Charles Norton Hayman, G. Forbes Irvine, John Leitch, Thos. Wm. Mawson, Alexander Morrison, John Sadler, Thomas R. Scott, John A. Simpson, J. L. Stewart, M.D., James Tait, James Watters, Fredk. W. Wright, and Holmes Young, met at the Waverley Station at 1.5 p.m. and proceeded by rail, *via* Fife, Perth, and Forfar, to Kirriemuir, thence to Clova Ogilvy Arms in two drags and a dogcart, supplied by Christison of the Airlie Arms Hotel, Kirriemuir. Clova was reached about 10 p.m.

Friday, 23rd July 1869.

This day the party proceeded to Acharn in the drags, and thence walked to Glen Dole and examined the rocks on the left

side, then crossed to Glen Fee, returned to Acharn and drove to Clova Hotel, which was reached about 7 o'clock in the evening. Four of the party who had started at 3 a.m. for Little Gilrannoch joined the main body in Glen Dole.

Saturday, 24th July 1869.

After breakfast visited Loch Brandy and the rocks on its left, and returned to the hotel about 12 o'clock noon. After luncheon the party drove to Kirriemuir, which was reached about 4 o'clock. They left Kirriemuir at 5.5 and reached Edinburgh about 11 p.m., the train being fully an hour late. Hotel bill at Clova, 11s. 6d. each. Conveyances, 7s. Railway return tickets, 7s. 6d. Total, £1 6s.

In Glen Dole collected :—

Thalictrum alpinum	Sonchus alpinus
Astragalus alpinus	Pyrola rotundifolia
Dryas octopetala	" media
Saxifraga hypnoides	" secunda
" platypetala	Malaxis paludosa
Linnæa borealis	(near Acharn)
Erigeron alpinus	Tofieldia palustris
Saussurea alpina	Polypodium alpestre

In Glen Fee were collected :—

Oxytropis campestris	Woodsia hyperborea
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At Loch Brandy :—

Subularia aquatica	Sparganium natans
Potentilla maculata	Allosorus crispus
Azalea procumbens	Botrychium Lunaria
Salix herbacea	Isoëtes lacustris

The party who visited Little Gilrannoch collected :—

Lychnis alpina	Armeria alpina
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Eriophorum alpinum was planted in Glen Dole by J. Sadler.

Arran.*Wednesday, 4th August 1869.*

Party consisting of J. H. Balfour, Alexander Dickson, Andrew P. Aitken, Isaac B. Balfour, J. H. Balfour, jun., John M. Bramock, Henry M. Church, Robert Colvin, James B. Davies, J. B. Duncan, R. W. Forrest, William Forrest, M. Jameson, John Sadler, and James Watters, left Edinburgh at 6.20 a.m. and proceeded to Glasgow, which was reached at 7.45. Thence went by the steam-boat "Hero," leaving the Broomielaw at 8 a.m. for Arran. On the way they touched at Greenock, Dunoon, and Rothesay. They reached Arran about 2 p.m. and took up their quarters at Bannatyne's Inn, Lamlash. In the evening the party went to dredge in Lamlash Bay, and some visited Holy Island.

The following plants were collected :—

Hypericum Androsæmum	Arctostaphylos Uva-ursi
" humifusum	Scutellaria galericulata
Cotyledon Umbilicus	Zostera marina
Apium graveolens	" nana

Thursday, 5th August 1869.

This morning the party left Lamlash at 8 a.m. and walked to Brodick and Corrie, returning from Corrie by the boat at 1 p.m. In the evening dredging and fishing were carried on.

The plants gathered in the course of the day were :—

Sinapis arvensis	Pinguicula lusitanica
Sagina maritima	Lycopus europæus
Lathyrus latifolius	Salicornia herbacea
Œnanthe Lachenalii	Suaeda maritima
" crocata	Triticum acutum
Aster Tripolium	" junceum
Matricaria maritima	Hymenophyllum tunbridgense
Anagallis arvensis	" Wilsoni
" tenella	Lastrea æmula
Samolus Valerandi	Osmunda regalis
Erythræa latifolia	

Friday, 6th August 1869.

This morning at 6.45 a.m. the party went by the steamboat "Lady May" to Invercloy. We breakfasted at Macdonald's near Invercloy, and then walked to the top of Goatfell. Returned about 4 p.m. to Lamlash. Very few plants were collected, among them *Alchemilla alpina* and *Salix herbacea*. Some of the party came by boats from Invercloy to Lamlash.

Saturday, 7th August 1869.

The day was very wet and stormy, and it was found impossible to take a botanical trip. There was some boating and fishing in the evening, when the weather cleared slightly.

Monday, 9th August 1869.

At 9.30 this morning went by drag to Lag, then walked round Bannan Head to Kilmorie, Kildonan, Whiting Bay, and Lamlash. Had lunch at Wm. Samson's at Kildonan. Day stormy, with occasional showers.

Among the plants gathered were :—

Hypericum Androsæum	Atriplex arenaria
" dubium	Scirpus maritimus
Lathyrus sylvestris	Asplenium marinum
Carlina vulgaris	Scolopendrium vulgare
Convolvulus sepium	Polystichum angulare
Pinguicula lusitanica	

Tuesday, 10th August 1869.

This morning at 9 the party went by drag to Corrie, expecting to meet Mr. Wunsch, who had arranged to visit the bed of fossil plants near the Fallen Rocks. He did not appear. Party went to Loch Ranza and then went up the stream to the station for *Pyrus fennica*, which was gathered, as also *Drosera anglica*, *Rhynchospora alba*, and *Carex pauciflora*.

Remained at Corrie (Wm. Morrison's inn) all night.

Thursday, 12th August 1869.

Party with the exception of Aitken (who went to Whiting Bay) proceeded by drag to Blackwaterfoot, Drumodune, and King's Caves. Spent the whole day there. Fine day; view very extensive. Porphyrite basaltic rocks at Drumodune about eighty feet high covered with *Ramalina scopulorum*, quite grey with short lichen. Ivy spreading on them.

On the sands gathered *Sinapis monensis*, *Viola sylvatica* (with big roots), *Convolvulus Soldanella*, *Scutellaria galericulata*, *Triticum junceum*; and in King's Caves, *Asplenium marinum*, *Scolopendrium vulgare*, *Osmunda regalis*.

Rain in the evening about 8.

Friday, 13th August 1869.

This day party broke up, Dr. Dickson and Mr. Aitken returning to Glasgow, Dr. Balfour remaining in Arran. Plants of *Zostera marina* in fine flower were gathered, and some were taken up in a rooting condition in salt water to Glasgow by Dr. Dickson.

EXCURSIONS IN 1870.

Midcalder, Meadowbank, Dalmahoy, Currie.

Saturday, 14th May 1870.

Party of about 100 left the Caledonian Railway Station at 10.20 a.m. and proceeded to Midcalder, thence walked by Meadowbank and Dalmahoy to Currie, which they left by train passing at 4.5 p.m. Return ticket, 1s.

The following plants were collected :—

Caltha palustris
Anemone nemorosa
Viola palustris

Viola canina
 „ *lutea*
Lychnis diurna

Stellaria Holostea	Myosotis collina
Montia fontana	Scrophularia vernalis
Prunus spinosa	Mercurialis perennis
„ Avium	Anacharis Alsinastrum
Geum intermedium	Typha angustifolia
Chrysosplenium oppositi-	Blechnum boreale
folium	Lastrea dilatata
Myriophyllum spicatum	Equisetum limosum
Adoxa Moschatellina	

Besides Musci, Lichens, Hepaticae, Alga, and Fungi.

Burntisland, Aberdour Woods.

Saturday, 21st May 1870.

Party of 130 (including 25 ladies) met at the Waverley Station at 9.45 a.m. and proceeded to Burntisland, thence walked to Aberdour Woods. Returned from Burntisland by boat leaving at 3 p.m. Return ticket, 1s.

The following plants were collected :—

Erysimum cheiranthoides	Glaux maritima
Camelina sativa	Salvia Verbenaca
Lepidium Draba	Plantago Coronopus
Viola hirta	Parietaria diffusa
Sagina maritima	Listera ovata
Malva sylvestris	Orchis mascula
Erodium cicutarium	Endymion nutans
Vicia sativa	Blysmus rufus
Saxifraga granulata	Asplenium Adiantum-
Myrrhis odorata	nigrum
Echium vulgare	Ophioglossum vulgatum
Primula elatior	

Also species of Marine Algæ, Mosses, and Lichens.

Canal, Slateford, Colinton.*Saturday, 4th June 1870.*

A party of 55 met at the Canal Basin, Port Hopetoun, at 11 a.m. Walked by banks of Canal to Slateford, thence walked by Colinton to Edinburgh, which was reached about 5 p.m.

The following plants were collected :—

Corydalis lutea	Asperula odorata
Cardamine amara	Valeriana pyrenaica
Geranium phæum	Doronicum Pardalianches
" sylvaticum	Vinca minor
Geum intermedium	Symphytum officinale
Fragaria elatior	Anacharis Alsinastrum
Saxifraga umbrosa	Potamogeton perfoliatus
" hypnoides	" pectinatus
Sanicula europæa	Polypodium Dryopteris

Penicuik.*Saturday, 11th June 1870.*

A party of 66 met at North British Railway Station at 7.45 a.m. and proceeded to Penicuik.

Walked through Penicuik Glen (Sir James Clark's) under the guidance of Mr. Evans. Returned by train passing Penicuik at 2.49 p.m. Fare, 1s.

Plants collected :—

Trollius europæus	Rhinanthus Crista-galli
Montia fontana	Melampyrum pratense
Sanicula europæa	Lathræa Squamaria
Viburnum Opulus	Littorella lacustris
Asperula odorata	Neottia Nidus-avis
Valeriana pyrenaica	Orchis latifolia
Apargia hispida	Habenaria chlorantha
Campanula latifolia	Iris Pseudacorus
Vaccinium Myrtillus	Allium ursinum
Pyrola minor	Luzula sylvatica
Myosotis cæspitosa	Juniperus communis
" palustris	Polypodium Phegopteris
Veronica Buxbaumii	Botrychium Lunaria

Alloa, Menstrie Glen, Stirling.*Saturday, 18th June 1870.*

Party of 35 met at the Waverley Bridge at 8.45 a.m. and proceeded to Alloa. Met Drs. Brotherston and Duncanson, who accompanied us during the day. Visited Menstrie Glen, walked to Stirling, which we left for Edinburgh at 3 p.m. Fare, 3s.

The following plants were collected :—

<i>Fumaria pallidiflora</i>	<i>Pyrola minor</i>
<i>Lychnis vespertina</i>	<i>Chenopodium Bonus-Henricus</i>
„ <i>Viscaria</i>	<i>Corallorrhiza innata</i>
<i>Geranium sylvaticum</i>	<i>Orchis latifolia</i>
„ <i>lucidum</i>	<i>Habenaria chlorantha</i>
<i>Sedum Telephium</i>	<i>Iris Pseudacorus</i>
„ <i>album</i>	<i>Potamogeton lucens</i>
„ <i>anglicum</i>	<i>Hymenophyllum Wilsoni</i>
<i>Sanicula europæa</i>	<i>Lastrea spinulosa</i>
<i>Conium maculatum</i>	

Kirkcaldy, Raith.*Saturday, 25th June 1870.*

Party of 83 met at the Waverley Bridge at 6.20 a.m. and proceeded to Kirkcaldy, where they were entertained to breakfast in Scott's Hotel by Provost Swan. After breakfast visited ponds and woods of Raith, and also the shore near the town. At 2 o'clock the party returned to Provost Swan's house for lunch and left by train passing Kirkcaldy at 2.25 p.m. Return ticket, 1s.

The following plants were collected :—

<i>Thalictrum minus</i>	<i>Valeriana pyrenaica</i>
<i>Papaver somniferum</i>	<i>Doronicum Pardalianches</i>
<i>Reseda lutea</i>	<i>Vinca minor</i>
<i>Malva moschata</i>	<i>Echium vulgare</i>
<i>Geranium sanguineum</i>	<i>Mimulus luteus</i>
<i>Trifolium striatum</i>	<i>Rhinanthus Crista-galli</i>
<i>Astragalus hypoglottis</i>	<i>Calamintha Clinopodium</i>
<i>Geum intermedium</i>	<i>Listera ovata</i>
<i>Potentilla fruticosa</i>	<i>Ruscus aculeatus</i>
<i>Epilobium angustifolium</i>	<i>Typha angustifolia</i>
<i>Ribes alpinum</i>	<i>Alisma Plantago</i>

Perth, Almond Bank, Springfield, Methven Bog, Scone,
Kinnoul.

Saturday, 2nd July 1870.

Party of 46 met at the Waverley Station at 6.20 a.m. and proceeded (*viâ Fife*) to Perth. Breakfasted at Refreshment Rooms, Perth Station, after which the party walked across the North Inch, along the banks of the Tay and Almond to Pitcairn Field, where Mr. Dawson had provided beer for the party, which was very acceptable, the day being exceedingly warm. From Springfield walked to Methven Bog, and left Almond Bank Station for Perth by train at 4.10 p.m. Some went to Scone and Kinnoul Hill. Return ticket, 4s. Breakfast, 1s. 9d. Railway ticket from Almond Bank to Perth, 3½d.

The following plants were collected :—

Thalictrum flexuosum	Apargia autumnalis
Nasturtium palustre	Lactuca virosa
Hesperis matronalis	Vaccinium Oxycoccus
Iberis amara	Moneses grandiflora
Silene maritima	Armeria maritima
Stellaria nemorum	Trientalis europæa
Hypericum maculatum	Linaria repens
Malva moschata	Plantago maritima
Geranium sanguineum	Littorella lacustris
Genista anglica	Polygonum viviparum
Astragalus Glyciphyllus	Epipactis latifolia
Alchemilla alpina	" ensifolia
Poterium Sanguisorba	Habenaria chlorantha
Sedum reflexum	Alisma Plantago
Helosciadium inundatum	Scheuchzeria palustris
Linnæa borealis	Carex limosa
Asperula taurina	Ceterach officinarum
Valeriana pyrenaica	Lastrea spinulosa
Carduus heterophyllus	

Drem, Gullan, Aberlady.

Saturday, 9th July 1870.

Party of 26 met at the Waverley Station at 7 a.m. and proceeded to Drem; walked to Gullan and Aberlady. Returned

by train passing Longniddry at 3.50 p.m. Return tickets, 1s. 6d.

The following plants were collected :—

Papaver somniferum	Campanula glomerata
Senebiera Coronopus	Anagallis tenella
Silene noctiflora	Erythræa Centaurium
Sagina nodosa	Echium vulgare
Lepigonum marinum	Hyoscyamus niger
Malva moschata	Limosella aquatica
Geranium pusillum	Utricularia vulgaris
Trifolium medium	Lamium amplexicaule
Sedum album	Ballota fœtida
„ reflexum	Hippophaë rhamnoides
Smyrnium Olusatrum	Alisma Plantago
Pulicaria dysenterica	Carex teretiuscula
Carduus nutans	

Callander, Loch Lubnaig, Ben Ledi.

Saturday, 16th July 1870.

Party of 65 met at the Waverley Station at 6.50 a.m., proceeded to Callander, breakfasted there in M'Gregor's Hotel. Professor Dickson with five pupils from Glasgow joined the party. Thereafter walked by Pass of Leny and Loch Lubnaig to Ben Ledi, which was ascended by way of the Stank. Summit reached about 4 p.m. Callander was reached about 6.15 p.m. Left Callander at 7.30. Return ticket, 4s. 4d. Breakfast, 1s. 9d.

The following plants were collected :—

Thalictrum alpinum	Pimpinella magna
Nymphæa alba	Ceanothe pimpinelloides
Draba incana	(on the side of the
Silene acaulis	approach leading to
Alchemilla alpina	Leny House. The
Saxifraga oppositifolia	first time this plant has
„ nivalis	been collected in Scot-
„ stellaris	land)
Epilobium alpinum	

<i>Galium boreale</i>	<i>Gymnadenia albida</i>
<i>Gnaphalium sylvaticum</i>	<i>Alisma Plantago</i>
" <i>supinum</i>	<i>Cryptogramme crispa</i>
<i>Crepis paludosa</i>	<i>Asplenium viride</i>
<i>Vaccinium Oxycoccus</i>	<i>Polystichum Lonchitis</i>
<i>Menyanthes trifoliata</i>	<i>Botrychium Lunaria</i>
<i>Polygonum viviparum</i>	<i>Lycopodium alpinum</i>
<i>Malaxis paludosa</i>	

Loch Lomond, Ben Voirlich.

Friday, 22nd July 1870.

Party of 26 met at the Waverley Station at 2 p.m. and proceeded by Glasgow and Balloch to the head of Loch Lomond. At Glasgow the party was joined by Professor Dickson and two pupils. The party then consisted of J. H. Balfour, Alexander Dickson, Tom Anderson, I. B. Balfour, John R. Blandshard, James H. Bogle, J. H. Balfour Browne, Henry M. Church, F. S. Fraser, J. S. T. Gow, S. Grunnell, R. M. Gunn, J. Leitch, David B. Logie, Alex. Loughton, Edward M'Callum, E. D. M'Kellar, Richd. Raimes, junr., A. Clunies Ross, Frederick J. C. Ross, John Sadler, Robert Scott, J. S. Shaw, J. E. Sinclair, George W. Smellie, E. W. F. Steven, John R. Warren, Wm. G. T. Watt, J. Watters.

Remained at Inverarnan Hotel for the night.

Saturday, 23rd July 1870.

After an early breakfast they left the hotel about 7.30 a.m. and proceeded to Ben Voirlich, the summit of which was reached about 12.30 p.m. The party returned to Ardlui in time to catch the 4.10 p.m. boat for Balloch. Messrs. Leitch, Ross, and Sadler went to Tarbet and collected *Hymenophyllum tunbridgense*. Edinburgh was reached about 11.15 p.m. The day was excessively hot. Return tickets, 6s. 2d. Hotel expenses, 7s. 6d. Other expenses, 4s. 6d.

The following plants were collected :—

Thalictrum alpinum	Salix herbacea
Cochlearia alpina	Malaxis paludosa
Silene acaulis	Habenaria chlorantha
Rubus saxatilis	(some specimens measuring twenty - three inches long, near Inverarnan)
Sibbaldia procumbens	
Saxifraga stellaris	
" aizoides	
Sedum Rhodiola	Luzula spicata
Peplis Portula	Carex rigida
Lythrum Salicaria	Poa Balfourii
Epilobium alpinum	Hymenophyllum tunbridgense
Saussurea alpina	" Wilsoni
Hieracium alpinum	Allosorus crispus
Vaccinium uliginosum	Asplenium viride
Armeria maritima	Athyrium Filix-fœmina
Lysimachia vulgaris	(fifty-one inches high)
Melampyrum montanum	Polystichum Lonchitis
Stachys ambigua	Lastrea spinulosa
Polygonum Hydropiper	Polypodium alpestre
" viviparum	Lycopodium inundatum
Oxyria reniformis	

Planted *Scheuchzeria palustris* near inn and on hill.

Killin.

Thursday, 4th August 1870.

Party, consisting of J. H. Balfour, Aitken, G. G. Balfour, Isaac Balfour, Alexander Dickson, Sadler, Shaw, left Edinburgh by train at 4.10 for Callander, where they were joined by Dr. Walker, from Glasgow. They proceeded to Killin Station by train. The station is about 4 miles from Killin, and the party were conveyed to Killin in coaches. They reached Lochay Bridge Inn between 8 and 9, and were all accommodated by John Cameron and his wife, who were very attentive. Duncan Mackay was employed as a guide.

Friday, 5th August 1870.

This morning at 8.30, after breakfast, the party went to Craig Chailliach. They were joined by Mr. John Cameron and his brother, sons of the parish schoolmaster of Killin. The former had been a pupil of Professor Dickson's in Glasgow. We visited the rocks, and gathered :—

Thalictrum alpinum	Armeria maritima
Cochlearia officinalis	Veronica humifusa
Silene maritima	Polygonum viviparum
" acaulis	Salix arbutifolia
Cerastium alpinum	" herbacea
Sagina saxatilis	" reticulata
" nivalis	Tofieldia palustris
(a new station for it)	Juncus trifidus
Rubus saxatilis	" triglumis
" Chamæmorus	Carex atrata
Dryas octopetala	" rigida
Potentilla maculata	" pilulifera
Sibbaldia procumbens	" capillaris
Saxifraga nivalis	Sesleria cærulea
" stellaris	Asplenium viride
" aizoides	Polystichum Lonchitis
Adoxa Moschatellina	Botrychium Lunaria
(very large, and near	Conostomum boreale
top of mountain)	Andreæa alpina
Gnaphalium supinum	Solorina crocea
Saussurea alpina	Sticta scrobiculata

Saturday, 6th August 1870.

This morning, at 8 o'clock, party of 10 started in two cars for a farmhouse about 7 or 8 miles up the Lochay. We then ascended Corrach Uachdar. We gathered all the ordinary alpine plants.

Among others :—

Rubus Chamæmorus	Asplenium viride
(in fruit)	Polystichum Lonchitis
Dryas octopetala	Bryum julaceum
Saxifraga nivalis	" alpinum
Saussurea alpina	Encalypta ciliata
(in fine flower)	Solorina saccata
Vaccinium uliginosum	Peltidea aphthosa
Arctostaphylos Uva-ursi	

Returned to the inn about 4.30 p.m. The day was charming and the scenery beautiful. On our return we had tea-dinner, and then went at 7 p.m. to the church at Killin to hear a popular lecture on Botany by Mr. Sadler. The lecture was listened to by a large and attentive audience. The Rev. R. F. Colvin arrived this evening by train, and thus made our party up to twelve.

In the grounds at Finlarig Castle ruins there are some very large chestnut-trees. One was measured sixteen feet nine inches in circumference, and another seventeen feet in circumference at about three feet from the ground.

Monday, 8th August 1870.

This day we were joined by a young lad called Thomson, from Edinburgh (son of R. D. Thomson). Drove to Lawers Inn in two conveyances. Met Miss Sophia Jex-Blake and her sister, Caroline Ann Jex-Blake, who accompanied us up Ben Lawers. In the course of the forenoon thick mist came on, and the ladies returned after reaching the part of the mountain where Lochnagar was visible. Mr. Colvin had previously returned, as well as George. We went along the side of the corrie where *Sagina nivalis* grows, and gathered plants of it. We saw also many specimens of *Cherleria sedoides*, and *Juncus triglumis*. The mist became very thick, and we found our way towards Lochan-a-Chait, there examined the rocks, also the loch. We reached this with difficulty on account of the mist. Found *Myosotis alpestris*. Mr. Cameron and Mr. Shaw went to the rocks, and called loudly to each other in the mist with the view of knowing where each of them was. The sound of their voices was responded to by a call from some one high up on the rocks. Mr. Cameron answered the call and ascended the rocks, and to his astonishment found that it was the Misses Jex-Blake, who had lost their way and had wandered in the mist into the dangerous position in which they were now placed. We conducted them down the rocks, and after some difficulty got them brought home thoroughly tired and drenched. We returned late in the evening to Killin.

Among the plants gathered were :—

<i>Draba incana</i>	<i>Carex Persoonii</i>
<i>Cochlearia officinalis</i>	" <i>atrata</i>
<i>Arenaria maritima</i>	" <i>pilulifera</i>
<i>Erigeron alpinus</i>	<i>Poa alpina</i>
<i>Veronica saxatilis</i>	" <i>Balfourii</i>
<i>Utricularia minor</i>	<i>Asplenium viride</i>
<i>Sparganium natans</i>	<i>Polystichum Lonchitis</i>
<i>Carex dioica</i>	<i>Polypodium alpestre</i>

Tuesday, 9th August 1870.

This morning we were joined by Mr. Archibald Gibson and Mr. J. J. Thomson. We had three conveyances, which started at 8.30 a.m. for the pass over to Glen Lyon. We visited Larigan-lochan and the rocks above it where *Woodsia hyperborea* was said to exist still. It used to abound in that locality, but we looked in vain for the plant to-day.

We then ascended the hill to the east and pass to Ben Lawers; walked round on its northern side to Ben Lawers.

We saw *Alsine rubella*, *Erigeron alpinus*, *Gentiana nivalis* (some quantity), *Myosotis alpestris*, and many other alpine plants.

We then ascended to the top of Ben Lawers, and had a glorious view, the day being clear and warm. On the summit we gathered *Draba rupestris*, *Saxifraga cernua*, *Polypodium alpestre*, and other alpine species.

Descended to Carnic about 6.30 p.m., and returned to Killin.

Wednesday, 10th August 1870.

This morning at 8 o'clock the party proceeded in two conveyances to Cherai, at the foot of Meall Ghaordie. The party ascended to the summit of Meall Ghaordie, gathering a few ordinary alpine plants on the way. The day was very hot and oppressive, and water was deficient. A quantity of tea was taken up the hill, which proved very refreshing. On reaching the summit the party descended on the side of the mountain next to Glen Lyon and a farmhouse called Stoneriach. They gathered *Cystopteris montana*, *Bartsia alpina*, and many good alpine species. They

returned to the foot of the hill about 5.30 p.m., and then proceeded in a conveyance to Killin.

The adventures of the last three days (8th, 9th, and 10th August) led to the formation of the Scottish Naturalists' Alpine Club, to consist of naturalists who are in the habit of visiting alpine districts in Scotland for the sake of natural science. No one to be admitted who had not ascended on foot at least three Scottish mountains of not less than 3300 feet above the level of the sea. Each person, before admission, must give a list of the mountains he has ascended.

The following were declared to be the original members of the Club, all of them having proved their qualification:—Professor Dickson, Rev. R. F. Colvin, Dr. Walker, Mr. Church, Mr. Aitken, Mr. Shaw, Mr. Sadler, Mr. Gibson, and Mr. I. B. Balfour.

A meeting of the members to be afterwards held at Edinburgh to arrange the rules and plan of procedure of the Club.

Thursday, 11th August 1870.

Another fine and dry day. This day the party broke up. Among the plants collected during the excursion were the following:—

Corydalis claviculata	Saxifraga nivalis
Draba incana	" stellaris
" rupestris	" aizoides
Cochlearia alpina	" cernua
Silene acaulis	" hypnoides
Cerastium alpinum	Sedum villosum
Alsine rubella	Epilobium alsinifolium
Cherleria sedoides	" alpinum
Sagina saxatilis	Meum athamanticum
" nivalis	Erigeron alpinus
Rubus suberectus	Gnaphalium supinum
Dryas octopetala	Saussurea alpina
Potentilla maculata	Hieracium alpinum
Alchemilla alpina	" Lawsoni
Saxifraga oppositifolia	" corymbosum

<i>Vaccinium uliginosum</i>	<i>Distichium capillaceum</i>
<i>Arctostaphylos Uva-ursi</i>	<i>Tortula tortuosa</i>
<i>Armeria maritima</i>	<i>Encalypta ciliata</i>
<i>Gentiana nivalis</i>	<i>Grimmia torta</i>
<i>Myosotis alpestris</i>	<i>Zygodon Mougeotii</i>
<i>Veronica humifusa</i>	<i>Pogonatum alpinum</i>
" <i>saxatilis</i>	<i>Bryum elongatum</i>
<i>Bartsia alpina</i>	" <i>pseudotriquetrum</i>
<i>Utricularia minor</i>	" <i>alpinum</i>
<i>Plantago maritima</i>	" <i>julaceum</i>
<i>Salix venulosa</i>	" <i>Zierii</i>
" <i>arbutifolia</i>	<i>Amblyodon dealbatum</i>
" <i>herbacea</i>	<i>Bartramia Oederi</i>
" <i>reticulata</i>	" <i>Halleriana</i>
<i>Gymnadenia albida</i>	<i>Conostomum boreale</i>
<i>Habenaria viridis</i>	<i>Anæctangium compactum</i>
<i>Juncus biglumis</i>	<i>Leskea rufescens</i>
" <i>triglumis</i>	<i>Hypnum trifarium</i>
<i>Luzula spicata</i>	" <i>rugosum</i>
<i>Sparganium natans</i>	" <i>aduncum</i>
<i>Carex dioica</i>	<i>Fontinalis antipyretica</i>
" <i>atrata</i>	<i>Sticta scrobiculata</i>
" <i>stictocarpa</i>	" <i>sylvatica</i>
" <i>capillaris</i>	" <i>pulmonaria</i>
" <i>pulla</i>	<i>Cetraria islandica</i>
<i>Sesleria cærulea</i>	" <i>glauca</i>
<i>Poa alpina</i>	<i>Peltidea aphthosa</i>
" <i>Balfourii</i>	" <i>venosa</i>
<i>Cryptogramme crispa</i>	<i>Solorina crocea</i>
<i>Asplenium viride</i>	" <i>saccata</i>
<i>Cystopteris montana</i>	<i>Umbilicaria proboscidea</i>
<i>Polystichum Lonchitis</i>	<i>Cornicularia tristis</i>
<i>Polypodium alpestre</i>	<i>Thamnia vermicularis</i>
<i>Botrychium Lunaria</i>	<i>Sphærophoron coralloides</i>
<i>Sphagnum molluscum</i>	" <i>compressum</i>
<i>Andræa alpina</i>	<i>Stereocaulon paschale</i>
" <i>rupestris</i>	<i>Cladonia bellidiflora</i>
<i>Gymnostomum curvirostrum</i>	" <i>uncialis</i>
<i>Blindia acuta</i>	<i>Usnea barbata</i>
<i>Campylopus longipilus</i>	<i>Alectoria jubata</i>
	" <i>bicolor</i>

EXCURSIONS IN 1871.

Kinghorn, Burntisland.*Saturday, 13th May 1871.*

Party of 120 met at the Waverley Station at 9.10 a.m. and proceeded to Kinghorn. Botanised along the shore to Burntisland, and returned to Edinburgh by boat leaving Burntisland at 2.59 p.m. Return ticket, 1s.

The following plants were collected :—

<i>Fumaria pallidiflora</i>	<i>Scandix Pecten-Veneris</i>
<i>Cheiranthus Cheiri</i>	<i>Dipsacus sylvestris</i>
<i>Alyssum calycinum</i>	<i>Linaria Cymbalaria</i>
<i>Brassica campestris</i>	<i>Salvia Verbenaca</i>
<i>Lepidium Smithii</i>	<i>Lamium amplexicaule</i>
" <i>Draba</i>	" <i>incisum</i>
<i>Thlaspi arvense</i>	<i>Atriplex Babingtonii</i>
<i>Viola canina</i>	<i>Rumex Acetosa</i>
<i>Cerastium arvense</i>	<i>Hippophaë rhamnoides</i>
<i>Honckenya peploides</i>	<i>Carex arenaria</i>
<i>Erodium cicutarium</i>	<i>Asplenium marinum</i>
<i>Vicia lathyroides</i>	<i>Ophioglossum vulgatum</i>
<i>Saxifraga granulata</i>	<i>Botrychium Lunaria</i>
<i>Myrrhis odorata</i>	

Penicuik, Roslin.*Saturday, 20th May 1871.*

Party of 92 met at the Waverley Station at 7.45 a.m. and proceeded to Penicuik. Botanised by the Esk to Roslin. Returned by train passing Roslin at 2.59 p.m. Return ticket, 1s.

The following plants were collected :—

<i>Anemone nemorosa</i>	<i>Viola canina</i>
<i>Ranunculus auricomus</i>	<i>Stellaria Holostea</i>
<i>Cardamine amara</i>	<i>Geranium sylvaticum</i>
<i>Brassica campestris</i>	<i>Oxalis Acetosella</i>

Prunus Padus	Neottia Nidus-avis
Saxifraga granulata	Allium ursinum
Sanicula europæa	Melica uniflora
Adoxa Moschatellina	Polypodium Dryopteris
Asperula odorata	" Phegopteris
Valeriana pyrenaica	Blechnum boreale
Doronicum Pardalianches	Ophioglossum vulgatum
Pyrola minor	Equisetum maximum
Symphytum officinale	" umbrosum

Currie, Colinton, Slateford, Canal.

Saturday, 27th May 1871.

Party of 60 left the Caledonian Station at 10.20 a.m. and proceeded to Currie. Returned to Edinburgh by the banks of the Water of Leith, Colinton, Slateford, and the Canal. Single ticket to Currie, 5d.

The following plants were collected :—

Ranunculus auricomus	Asperula odorata
Berberis vulgaris	Valeriana pyrenaica
Papaver Argemone	Doronicum Pardalianches
Cardamine amara	Lysimachia thyrsiflora
Viola odorata	Polemonium cæruleum
Geranium sylvaticum	Anacharis Alsinastrum
" lucidum	Ruscus aculeatus
Geum intermedium	Allium Schœnoprasum
Fragaria elatior	" ursinum
Saxifraga umbrosa	Potamogeton crispus
" hypnoides	" pectinatus
Sanicula europæa	Melica uniflora
Carum Carui	

Longniddry, Prestonpans.

Saturday, 3rd June 1871.

Party of 108 met at the Waverley Station at 10.30 a.m. and proceeded to Longniddry, thence walked by the shore to

Prestonpans, from which they returned to Edinburgh by train at 3.20 p.m. Return ticket, 1s. 1d.

The following plants were collected :—

Thalictrum minus	Lycium barbarum
Berberis vulgaris	Hyoscyamus niger
Alliaria officinalis	Rhinanthus Crista-galli
Astragalus hypoglottis	Lamium amplexicaule
Vicia lathyroides	Ballota fœtida
Potentilla verna	Plantago maritima
Saxifraga tridactylites	Hippophaë rhamnoides
Senecio viscosus	Orchis incarnata
Carduus nutans	Blysmus rufus
Thrinicia hirta	Sclerochloa rigida
Leontodon lævigatus	Asplenium Adiantum-
Glaux maritima	nigrum
Cynoglossum officinale	Equisetum palustre
Anchusa sempervirens	Uredo Rosæ

South Queensferry, North Queensferry.

Saturday, 10th June 1871.

Party of 80 left the Waverley Station at 11.45 a.m. and proceeded to South Queensferry, thence crossed in ferryboat to North Queensferry. Returned to South Queensferry, and thence by train at 7.30 p.m. to Edinburgh. Return railway ticket, 1s. 1d.; return boat ticket, 6d.

The following plants were collected :—

Ranunculus sceleratus	Valerianella dentata
Aquilegia vulgaris	Senecio viscosus
Viola canina	Veronica scutellata
Sagina maritima	Salicornia herbacea
Trifolium striatum	Allium Schœnoprassum
Astragalus Glyciphyllus	Asplenium Adiantum-
Vicia lutea	nigrum
Sedum villosum	Ophioglossum vulgatum
Enanthe crocata	

Melrose, Eildon Hills.*Saturday, 17th June 1871.*

Party of 90 left the Waverley Station at 10.5 a.m. and proceeded to Melrose, visited Eildon Hills, &c., and returned by train passing Melrose at 6.53 p.m. Return ticket, 3s.

The following plants were collected :—

Berberis vulgaris	Anthemis arvensis
Camelina foetida	Vaccinium Vitis-Idæa
Raphanus Raphanistrum	Pedicularis sylvatica
Viola lutea, var. cærulea	Rhinanthus Crista-galli
Cerastium glomeratum	Rumex viridis
" arvense	Empetrum nigrum
Stellaria glauca	Listera ovata
Geranium sylvaticum	Orchis latifolia
Trifolium hybridum	" maculata
Vicia sativa	Carex panicea
Geum intermedium	Alopecurus geniculatus
Torilis Anthriscus	Allosorus crispus
Valeriana dioica	

Cupar, Loch Malong, Logie, Forret, Leuchars.*Saturday, 24th June 1871.*

Party of 52 left the Waverley Station (Edinburgh, Perth, and Dundee section) for Cupar by train at 6.45 a.m. At Cupar they were entertained to breakfast by Mr. Thomas Barclay, Sheriff-Clerk, in the Royal Hotel. At breakfast they were joined by several gentlemen belonging to the neighbourhood. After breakfast they walked by Loch Malong, Logie, and Forret to Leuchars, from which they returned by train at 5.39 p.m. Return ticket, 3s.

The following plants were collected :—

Chelidonium majus	Teesdalia nudicaulis
Hesperis matronalis	(about half-way between
Lepidium Smithii	Forret and Leuchars)

Cerastium arvense	Vinca minor
Sagina subulata	Polemonium cæruleum
Malva moschata	Scrophularia vernalis
Geranium phæum	Rhinanthus major
Medicago sativa	(about half-way between
Trifolium medium	Forret and Leuchars)
Saxifraga umbrosa	Littorella lacustris
Sedum reflexum	Salix repens
Ænanthe crocata	Listera cordata
Anthemis Cotula	Gymnadenia conopsea
Doronicum Pardalianches	Lastrea spinulosa
Senecio viscosus	Botrychium Lunaria
Carduus Marianus	Lycopodium Selago
Centaurea Scabiosa	" clavatum
Pyrola minor	" alpinum
Trientalis europæa	

East Linton, Tynningham, Drem.

Saturday, 1st July 1871.

Party of 54 left the Waverley Station at 10.30 a.m. for East Linton, visited Tynningham, and returned by luggage train to Drem from East Fortune, and thence by passenger train to Edinburgh, which was reached at 8.15 p.m. Return tickets, 2s.

The following plants were collected :—

Chelidonium majus	Cerastium arvense
Hesperis matronalis	Sagina subulata
Lepidium Smithii	Malva moschata
Teesdalia nudicaulis	Geranium phæum
Viola lutea	

Bridge of Allan, The Allan, Foal Bridge, Wharry Burn, Westerton, Stirling.

Saturday, 8th July 1871.

Party of 64 left the Waverley Station at 7.10 a.m. and proceeded to Bridge of Allan, where they breakfasted in Philp's Royal

Hotel. At breakfast they were joined by Rev. Dr. Ross and Dr. Paterson; the latter accompanied the party during the day. Dr. Hunter, Linlithgow, also accompanied the party. They botanised by Westerton, along the banks of the Allan as far as the Foal Bridge, thence up the Auld Wharry Burn, and returned by the public road to Bridge of Allan, which was reached about 2.30 p.m. After visiting the Macfarlane Museum they proceeded to Stirling, where they examined particularly the Castle Rock. They returned to Edinburgh by train leaving Stirling at 6.15 p.m. Return ticket, 3s. 3d. Breakfast, 2s.

The following plants were collected during the first part of the excursion :—

Stellaria nemorum	Senecio aquaticus
Geranium sylvaticum	Calamintha Clinopodium
Trifolium medium	Parietaria diffusa
Vicia sylvatica	Paris quadrifolia
Agrimonia Eupatoria	Neottia Nidus-avis
Saxifraga hypnoides	(in quantity)
Sedum anglicum	Listera ovata
Viburnum Opulus	

On the Castle Rock were collected :—

Aquilegia vulgaris	Silybum Marianum
Brassica campestris	Lactuca virosa
Sedum album	Echium vulgare
„ reflexum	Atropa Belladonna
Conium maculatum	Verbascum Lychnitis
Petroselinum sativum	

Rumbling Bridge, Banks of Devon, Dollar.

Saturday, 15th July 1871.

Party of 62 left the Waverley Station at 7.10 a.m. and proceeded to Rumbling Bridge *via* Stirling, breakfasted in a marquee at

Rumbling Bridge Hotel, thence proceeded down the banks of the Devon to Dollar. Some of the party took the left hand while others took the right. They left Dollar by train at 4.30 p.m. The day was very wet. The party was joined by Rev. Mr. Moncrieffe and Mr. Westwood. Return ticket, 3s. 9½d. Breakfast, 1s. 9d.

The following plants were collected :—

Trifolium medium	Polygonum Bistorta
Vicia sylvatica	Rumex alpinus
Spiræa salicifolia	Neottia Nidus-avis
Rubus saxatilis	Habenaria viridis
Saxifraga umbrosa	„ chlorantha
Ribes nigrum	Convallaria majalis
Sedum Telephium	Paris quadrifolia
Viburnum Opulus	Carex remota
Eupatorium cannabinum	„ ovalis
Carduus heterophyllus	Melica uniflora
Pyrola minor	Cystopteris fragilis
Trientalis europæa	Lastrea Oreopteris
Symphytum officinale	Polypodium Dryopteris
Lathræa Squamaria	„ Phegopteris
Mentha velutina	Equisetum umbrosum
Melittis Melissophyllum	

EXCURSIONS IN 1872.

Roslin, Polton.

Saturday, 11th May 1872.

Party of 127 met at North British Railway Station at 10.30 a.m. and proceeded to Roslin. Walked through Roslin Woods to Polton and returned to Edinburgh by train leaving Polton at 3.30 p.m. Return ticket, 1s.

The following plants were collected :—

Anemone nemorosa	Prunus Padus
Ranunculus auricomus	Geum rivale
" Ficaria	" intermedium
Caltha palustris	Pyrus communis
Cardamine pratensis	Crataegus Oxyacantha
" hirsuta	Ribes alpinum
Draba verna	" rubrum
Alliaria officinalis	Adoxa Moschatellina
Viola odorata	Asperula odorata
" sylvatica	Vaccinium Myrtillus
Stellaria nemorum	Vinca minor
" Holostea	Symphytum tuberosum
Arenaria trinervia	Myosotis sylvatica
Geranium sylvaticum	Veronica montana
Oxalis Acetosella	Lathræa Squamaria
Vicia sylvatica	Polygonum Bistorta
" sepium	Daphne Laureola
Lathyrus macrorrhizus	Carex pendula
Prunus communis	Melica nutans
" domestica	" uniflora

Gorebridge, Arniston, Dalhousie.

Saturday, 18th May 1872.

Party of 109 met at the Waverley Station at 1.5 p.m. and proceeded to Gorebridge, thence walked through Arniston Woods going to Dalhousie Station, which was left at 7.20 p.m. Return ticket, 1s.

Plants collected :—

Aquilegia vulgaris	Ribes rubrum
Aconitum Napellus	" nigrum
Viola palustris	Viburnum Lantana
Geranium sylvaticum	Asperula odorata
Acer platanoides	Doronicum Pardalianches
Prunus Padus	Leontodon lævigatus
Saxifraga Geum	Pyrola minor
" umbrosa	Primula caulescens
Chrysosplenium alterni-	Vinca minor
folium	Pulmonaria officinalis

Myosotis sylvatica	Arum maculatum
Veronica Buxbaumii	Triglochin palustre
" montana	Carex paludosa
Lathræa Squamaria	Polypodium Dryopteris
Orchis mascula	" Phegopteris
Galanthus nivalis	Equisetum maximum
Allium paradoxum	Philonotis strobilina
Lilium Martagon	

South Queensferry, North Queensferry, Inverkeithing.

Saturday, 25th May 1872.

Party of 88 met at the Waverley Station at 9.10 a.m. and proceeded by train to South Queensferry, thence by boat to North Queensferry, walked by the shore to Inverkeithing, and returned to North Queensferry by Ferry Hills in time for boat at 2.30 p.m. Reached Edinburgh about 4 p.m. Return railway ticket, 1s. 1d. Return boat ticket, 6d.

Some went to St. Davids and Donibristle and collected *Tulipa sylvestris* and *Ornithogalum umbellatum*.

The following plants were collected :—

Thalictrum flexuosum	Saxifraga umbrosa
Ranunculus auricomus	" granulata
Cheiranthus Cheiri	Carum Carui
Hesperis matronalis	Anthriscus vulgaris
Thlaspi arvense	Oenanthe crocata
Helianthemum vulgare	Lonicera Xylosteum (South
Viola hirta	Queensferry)
" canina	Asperula odorata
Sagina maritima	Filago germanica
Lepigonum marinum	Doronicum plantagineum
Montia fontana	Senecio sylvaticus
Geranium lucidum	Leontodon palustris
Trifolium striatum	Armeria maritima
Anthyllis Vulneraria	Primula caulescens
Astragalus Glyciphyllus	Anagallis arvensis
Vicia lutea	Myosotis versicolor
Fragaria elatior	Plantago Coronopus

Scleranthus annuus	Endymion nutans
Hippophaë rhamnoides	Lemna minor
Ulmus montana	Triglochin maritimum
Listera ovata	Carex alpina
Orchis mascula	" glauca
Narcissus poeticus	Asplenium Adiantum-
Allium Schœnoprasum	nigrum
" ursinum	

Sea-weeds demonstrated on shore.

Kilconquhar, Elie.

Saturday, 1st June 1872.

Party of 58 met at the Waverley Station at 9.45 a.m. and proceeded to Kilconquhar, botanised Earlsferry coast and Kilconquhar Loch, &c. Returned from Elie at 4.42 p.m. Return ticket, 2s. 8d. The party were guided by Mr. Charles Howie of Largo.

The following plants were collected :—

Malcolmia maritima	Lavatera arborea
Diploxys muralis	Saxifraga tridactylites
" tenuifolia	Hydrocotyle vulgaris
Alyssum calycinum	Symphytum officinale
(Kilconquhar Station)	Lycium barbarum
Cochlearia danica	Beta maritima
Armoracia rusticana	Orchis incarnata
Viola canina	Carex aquatilis
Lepigonum rubrum	

Broomlee, West Linton, Dolphinton.

Saturday, 8th June 1872.

Party of 67 met at the Waverley Station at 8 a.m. and proceeded to Broomlee. Visited marshes and woods between West Linton and Dolphinton. Returned from Broomlee at 2.15 p.m. Return ticket, 1s. 6d.

The following plants were collected :—

Viola palustris	Doronicum Pardalianches
„ lutea	Primula farinosa
Cerastium glomeratum	Pedicularis sylvatica
Genista anglica	Pinguicula vulgaris
Rubus Chamaemorus	Salix repens
(abundantly on the	Potamogeton plantagineus
summit of a hill called	Eriophorum polystachyon,
Mendick, immediately	var. minor
above the <i>Primula</i>	var. elatius
marsh)	Carex dioica
Sedum villosum	„ paniculata
Valeriana dioica	„ curta
Antennaria dioica	Botrychium Lunaria

Linlithgow, Cockle Roy, Lochcote, Muiravonside.

Saturday, 15th June 1872.

Party of 62 left the Waverley Station at 8.35 a.m. and proceeded to Linlithgow. Under the guidance of Dr. Hunter visited the Palace, thence walked to Cockle Roy, Lochcote, and Muiravonside. Returned by train from Linlithgow at 6.47 p.m. Return ticket, 1s. 6d.

The following plants were collected :—

Trollius europæus	Lysimachia thyrsiflora
Chelidonium majus	Symphytum officinale
Lepidium Smithii	Myosotis palustris
Viola lutea	Scrophularia vernalis
Geranium phæum	Rhinanthus Crista-galli
„ sylvaticum	Melampyrum pratense
Fragaria elatior	Neottia Nidus-avis
Saxifraga Geum	Epipactis latifolia
„ umbrosa	Habenaria chlorantha
Ribes alpinum	Scirpus sylvaticus
Sedum villosum	Milium effusum
Antennaria dioica	Melica nutans
Doronicum Pardalianches	Scolopendrium vulgare
Erythræa Centaurium	Ophioglossum vulgatum

Drem, Gullan, Aberlady, Longniddry.*Saturday, 22nd June 1872.*

Party of 30 left the Waverley Station at 10.15 a.m. and proceeded to Drem, thence walked by Gullan and Aberlady to Longniddry. Returned by train passing Longniddry at 7.15 p.m. Return ticket, 1s. 6d.

The following plants were collected :—

<i>Fumaria pallidiflora</i>	<i>Centaurea Scabiosa</i>
<i>Cerastium arvense</i>	<i>Thrinicia hirta</i>
<i>Malva moschata</i>	<i>Campanula glomerata</i>
„ <i>rotundifolia</i>	<i>Specularia hybrida</i>
<i>Geranium sanguineum</i>	<i>Echium vulgare</i>
<i>Trifolium incarnatum</i>	<i>Hyoscyamus niger</i>
„ <i>striatum</i>	<i>Utricularia vulgaris</i>
„ <i>fragiferum</i>	<i>Marrubium vulgare</i>
<i>Potentilla reptans</i>	<i>Salicornia herbacea</i>
<i>Saxifraga tridactylites</i>	<i>Orchis incarnata</i>
<i>Parnassia palustris</i>	<i>Habenaria viridis</i>
<i>Sempervivum tectorum</i>	<i>Blysmus rufus</i>
<i>Hippuris vulgaris</i>	<i>Carex distans</i>
<i>Helosciadium inundatum</i>	<i>Lepturus incurvatus</i> , var. β .
<i>Sium angustifolium</i>	<i>filiformis</i>
<i>Valerianella dentata</i>	<i>Botrychium Lunaria</i>
<i>Anthemis arvensis</i>	<i>Equisetum variegatum</i>
<i>Carduus nutans</i>	

**Selkirk, Ettrick, Yarrow, Philiphaugh, Bowhill,
Newark Castle.**

Saturday, 29th June 1872.

Party of 48 met at the Waverley Station at 6.30 a.m. and proceeded to Selkirk. Breakfasted in Drydon's County Hotel, thereafter, under the direction of Rev. Mr. Farquharson, walked to the manse, along to the junction of Ettrick and Yarrow, thence to Philiphaugh, Bowhill, and Newark Castle. Returned to Selkirk and left by special train at 5.45 p.m. The party was

joined by Dr. Gloag, Mr. Douglas, and other members of the Galashiels Naturalists' Field Club. Return ticket, 3s. 3½d. Breakfast, 2s.

The following plants were collected :—

Ranunculus floribundus	Carduus heterophyllus
Aquilegia vulgaris	Crepis virens
Berberis vulgaris	Hieracium aurantiacum
Arabis hirsuta	„ collinum
Teesdalia nudicaulis	Campanula latifolia
Cerastium arvense	Lysimachia Nummularia
Hypericum hirsutum	Trientalis europæa
Geranium sylvaticum	Symphytum officinale
„ pratense	Anchusa sempervirens
Trifolium medium	Myosotis cæspitosa
Vicia sativa, var. β . angustifolia	Mimulus luteus
Rubus rhamnifolius	Rhinanthus Crista-galli
Poterium Sanguisorba	Calamintha Clinopodium
Saxifraga umbrosa	Scutellaria galericulata
Sedum villosum	Plantago media
Astrantia major	Gymnadenia conopsea
Sanicula europæa	Habenaria chlorantha
Pimpinella Saxifraga	Sparganium ramosum
Ænanthe crocata	Alisma Plantago
Cornus sanguinea	Potamogeton prælongus
Viburnum Opulus	Holcus mollis
Valeriana dioica	Lastrea Oreopteris
Solidago Virgaurea	Polypodium Dryopteris
Anthemis arvensis	Ophioglossum vulgatum
Doronicum Pardalianches	Botrychium Lunaria
	Palmella sp.

Morningside, Capel Law, Swanston, Braid Hills, Blackford Hill.

Saturday, 6th July 1872.

Party of 30 met at Morningside Toll-bar at 10 a.m. and proceeded to Capel Law, Swanston, Braid Hills, and Blackford Hill. Returned to Edinburgh by Mayfield at 4.30 p.m.

Among the plants collected were :—

Dianthus deltoides	Linaria vulgaris
Lychnis Viscaria	Stachys sylvatica
Malva sylvestris	Ballota ruderalis
Trifolium medium	Rumex obtusifolius
„ hybridum	Empetrum nigrum
Rosa rubiginosa	Carex stellulata
Sedum villosum	„ binervis
Epilobium parviflorum	Alopecurus geniculatus
Daucus Carota	Juniperus communis
Carduus palustris	Asplenium Adiantum-nig-
Vaccinium Vitis-Idæa	rum
Erica cinerea	Cornicularia aculeata
Verbascum Thapsus	

**Leslie, West Lomond Hill, Bishop Hill, Carlan Cragg,
Loch Leven.**

Saturday, 13th July 1872.

Party of 40 met at the Waverley Station at 6 a.m. and proceeded to Leslie by train, thence walked to the Waterworks, about two and a half miles from railway station. The party was entertained to breakfast in the open air by Provost Swan. After breakfast the party examined the different filtering ponds and reservoirs which supply the towns of Kirkcaldy and Dysart with water, thence walked to top of West Lomond Hill. Some of the party visited Bishop Hill, Carlan Cragg, and Loch Leven. They returned to the place where they breakfasted in the morning and partook of lunch, also provided by Provost Swan. They left Leslie at 4.50 p.m. Return ticket, 2s. 1d.

Plants collected :—

Oxytropis Halleri	Rumex aquaticus
Saxifraga hypnoides	Listera cordata
Sedum villosum	Gymnadenia conopsea
Epilobium alsinifolium	Habenaria chlorantha
Galium boreale	Potamogeton polygonifolius
Vaccinium Vitis-Idæa	Hymenophyllum Wilsoni
Trientalis europæa	Cryptogramme crispa
Myosotis palustris	Asplenium viride
Veronica scutellata	Lastrea Oreopteris
Littorella lacustris	Lycopodium alpinum

Dunkeld, Rumbling Bridge, Murthly.*Saturday, 20th July 1872.*

Party of 50 met at the Waverley Station at 6.45 a.m. and proceeded to Dunkeld. Breakfasted in Fisher's Hotel. Visited Rumbling Bridge, and walked to Murthly Asylum by the green-walk and Murthly Castle. Returned by train passing Murthly Station at 6.30 p.m. Return tickets, 5s. 2d. Breakfast, 2s.

Professor Laycock and several students accompanied the party to Murthly. Dr. MacIntosh entertained the party to lunch and tea at the asylum.

The following plants were collected :—

Thalictrum flexuosum	Valeriana sambucifolia
Corydalis claviculata	Solidago Virgaurea
Hypericum humifusum	Carduus heterophyllus
Geranium lucidum	Hieracium boreale
Vicia sylvatica	Vaccinium Vitis-Idæa
Spiræa salicifolia	Trientalis europæa
Rubus suberectus	Calamintha Clinopodium
" cæsius	Stachys Betonica
" saxatilis	Polygonum viviparum
Alchemilla alpina	Rumex aquaticus
Saxifraga aizoides	Narthecium ossifragum
Circæa alpina	Sparganium ramosum
Galium boreale	Asplenium viride

Mr. John Sim met the party at Perth and supplied them with specimens of the following plants collected in the neighbourhood :—

Malva moschata	Mentha sylvestris
Potentilla erecta	Plantago media
Sanguisorba canadensis	.

Clova*Friday, 2nd August 1872.*

Party consisting of J. H. Balfour, Alexander Dickson, A. P. Aitken, I. B. Balfour, William Craig, Tom Drummond, John

Leitch, Robert Lindsay, John S. Mackay, John Sadler, W. A. Stevenson, and Wm. Stirling, left Edinburgh per North British Railway at 9.35 a.m. by train going *via* Fife. Great crowd of passengers, and did not reach Perth till 12.30 p.m., being one hour late, by which time the ordinary train for Forfar had left the station. Special train was despatched and the party reached Forfar Station at 2 p.m. From Forfar the party proceeded to Kirriemuir, which they reached a little after 3 p.m. After dining at the Airlie Arms Hotel the party proceeded by a two-horse drag to the Ogilvy Arms Hotel, Clova, their baggage being sent by a game-cart. They reached Clova about 7.30 p.m., having had rain during the greater part of the journey. They were comfortably accommodated by Mr. Alexander. A meeting of the Scottish Botanical Alpine Club was held in the evening. Dr. Leitch and Dr. Duncanson were elected members of the Club.

Saturday, 3rd August 1872.

After breakfast at 7.30 a.m. the members of the party left the hotel about 8.30 for Glen Dole. Three of the party had a dog-cart up to Acharn, thence they proceeded to the station for *Malaxis paludosa*, which was gathered by all the party. Then walked to the lochs on the western side of the glen, which were examined carefully as far as the lofty mountains called Craig Maid. The party returned to Acharn about 5.30, and were driven to their hotel in three dog-carts, one of them kindly furnished by the Rev. George Smith, minister of Clova, who has just been presented to the parish of Westray, in Orkney, with a stipend of £400 a year. After tea the plants were arranged and put on paper.

Among the plants collected were the following:—

Thalictrum alpinum
Draba incana
Silene acaulis
Astragalus alpinus
Rubus saxatilis

Rubus Chamæmorus
Dryas octopetala
Potentilla maculata
Saxifraga oppositifolia
 „ *stellaris*

Saxifraga hypnoides	Veronica alpina
Sedum Rhodiola	" saxatilis
Epilobium alsinifolium	Polygonum viviparum
" alpinum	Salix repens
Linnæa borealis	" rupestris
Galium boreale	" venulosa
Solidago cambrica	" reticulata
Erigeron alpinus	Malaxis paludosa
Antennaria dioica, var.	Listera cordata
hyperborea	Orchis mascula (in full
Gnaphalium supinum	flower very high up
Saussurea alpina	on the rocks)
Hieracium alpinum	Habenaria viridis
" Lawsoni	Tofieldia palustris
" murorum, vars.	Juncus trifidus
(one with florets	" triglumis
semitubular)	Luzula spicata
Apargia autumnalis	Carex rupestris
Mulgedium alpinum	" atrata
Campanula rotundifolia	" rigida
(two plants with flowers	" pilulifera
having seven petals,	" capillaris
seven stamens and	Avena pratensis
normal stigma)	" strigosa
Vaccinium uliginosum	Poa Balfourii
Arctostaphylos Uva-ursi	Asplenium viride
Pyrola rotundifolia	Botrychium Lunaria
" media	Lycopodium Selago
" secunda	" annotinum
Trientalis europæa	" clavatum
Digitalis purpurea (with two	" alpinum
flowers in one)	" selaginoides
Veronica humifusa	

Monday, 5th August 1872.

Breakfast at 7.30 a.m. and proceeded to Acharn. Thence the party visited Glen Fee, botanising the rocks and returning to the hotel about 6 p.m.

Among the plants collected were the following :—

Cochlearia (varieties)	Salix Myrsinites
Oxytropis campestris	„ arbutifolia
Sibbaldia procumbens	„ herbacea
Saxifraga nivalis	„ reticulata
„ hypnoides	Tofieldia palustris
„ platypetala	Eriophorum latifolium
Epilobium alsinifolium	Carex VahlII
„ alpinum	„ atrata
Saussurea alpina	„ vaginata
Hieracium alpinum and	„ capillaris
form between alpinum	„ Grahami (in the old
and Lawsoni	station in abundance)
Azalea procumbens	Alopecurus alpinus
Veronica humifusa	Poa Balfourii
„ alpina	Hymenophyllum Wilsoni
Salix lanata	Woodsia hyperborea
„ Lapponum	

Tuesday, 6th August 1872.

Breakfast at 7.30 a.m. Drove to Acharn in three machines, thence walked through Glen Dole to Jock's Road. Ascended by Jock's Road to falls of White Water, thence by banks of White Water for about a mile, then turned to west by stream which led the party to Little Gilrannoch, a peculiar porphyritic hill remarkable for *Lychnis alpina*. This plant was gathered by the party in full flower.

Among the plants noticed during the excursion were:—

Cochlearia officinalis, var.	Trientalis europæa
grœnlandica	(very abundant)
Cerastium triviale, var.	Veronica alpina
Cherleria sedoides	Salix (several species)
Rubus Chamæmorus	Tofieldia palustris
(in fruit)	Juncus castaneus
Cornus suecica (in fruit)	Luzula spicata
Vaccinium uliginosum	Carex pauciflora
Azalea procumbens	„ aquatilis
Pyrola secunda	„ rariflora
Armeria maritima, var.	„ capillaris
alpina	Alopecurus alpinus

Phleum alpinum	Splachnum sphæricum
Lycopodium Selago	" vasculosum
" annotinum	" (in fruit)
(in fruit)	Trichostomum lanuginosum
" selaginoides	(on the top of the
(with macro- and micro-	moraine-mound forming
spores alternating on	a dense mat three feet
some spikes)	thick, passing into peat)
Splachnum mnioides	

Wednesday, 7th August 1872.

Breakfast at 7.30 a.m. Started at 8.30 for Glen Fee. Examined the corrie on the southern side, visited the station for *Carex Grahami*. The plant was found in fruit in large quantity. Went round the corrie and saw *Carex VahlII* in abundance, also specimens of *Carex vaginata*. A number of willows were also seen. Examined the tops of several hills, and descended by a deep corrie at the upper part of the glen, where *Cochlearia officinalis*, var. *alpina*, was growing in large quantity. Day misty and wet in afternoon and unfavourable for botanising. Returned to hotel about 4.30 p.m.

Thursday, 8th August 1872.

Breakfast at 8 o'clock. Proceeded to Loch Brandy. The water being low the party collected in the little loch :—

Subularia aquatica	Littorella lacustris
Callitriche autumnalis	Sparganium natans
Lobelia Dortmanna	Isoëtes lacustris

Ascended to the top of the mountain called the Snubb, gathered on the way the ordinary alpine plants, and, in addition to those formerly collected :—*Cerastium alpinum*, *Potentilla maculata*, *Cryptogramme crispa*, and several alpine *Hieracia*.

On the summit of the hill saw abundance of *Azalea procumbens* and *Salix herbacea*. *Lycopodium alpinum* was also very abundant.

The day being clear the view was extensive. Cairngorm, Ben na Mac Dhu, hills at Loch Lee, Battoch hills in Perthshire,

Breadalbanes, Fife hills, Lomonds. Lochnagar had snow. The temperature was very low. From Loch Brandy the party proceeded to Loch Wharral, and examined the rocks above the loch and collected the ordinary alpine, also an alpine variety of *Cerastium triviale* and of *Solidago Virgaurea*, var. *cambrica*. Went to old station for *Alopecurus alpinus*, but no specimens were seen. *Isoëtes lacustris* was found in the loch. Returned to the inn about 4.30, having had fine clear weather during the whole day.

Friday, 9th August 1872.

Breakfast at 8 a.m. Left Clova about 9 in drag for Kirriemuir, which we reached about 11.45. Left by train at 12.50. Lunched at Forfar Station. Left Forfar at 2.48 p.m. and reached Edinburgh *viâ* Fife about 7.30 p.m.

The volume containing the continuation of records of Excursions to the end of the year 1878 is, I regret to say, not available for their transcription.—I. B. B.

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