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Notes On The Flora Of Fife And Kinross

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The above *Hieracia* are pretty evenly distributed over the sub-alpine Linns of the district, as Blacks Hope, Correferron, Midlaw Burn, Andrew Whinney, White Coomb, Grey Mare's Tail, Craigmichen Scaurs, Beef Tub, etc.

NOTES ON THE FLORA OF FIFE AND KINROSS. By CHARLES HOWIE.

I.—ADDENDA TO THE MOSS FLORA OF FIFE AND KINROSS.

296. *Zygodon Stirtoni*, Sch. Registered as a variety of *Z. viridissima* in "Moss Flora," page 52. With the consent of Professor Lindberg and others, it has been retained as a species, as named by Professor Schimper.
297. *Ephemerum serratum*. Sparingly found at Tayport and St. Andrews, as registered in Ballingal's "Shores of Fife;" refound near Wormet, 1892, by Mr. Fulton.
298. *Dicranella curvata*. By the side of a small ditch, East of Fife; abundant.
299. *Dicranella fulvellum*. Among the cliffs on one part of the east sea cliffs.
300. *Racomitrium sudeticum*. On rocks, Drumcarro Craig; registered in Ballingal's "Shores of Fife," 1872; refound near Denork ground, 1891.
301. *Racomitrium ellipticum*. East sea coast and Drumcarro Craig.
302. *Trichostomum brachydontium*. On Dunbarnie Links.
303. *Polytrichum gracile*. Registered, on the Tents Muir, sparingly, Ballingal's "Shores of Fife;" refound again on the Tents Muir, 1889.
304. *Amphoridium Mougeotii*. On the upper range of the Lomonds; species, irrespective of numerous varieties.

II.—STATISTICS OF THE FLORA OF FIFE AND KINROSS REGISTERED AS SPECIES UP TO DECEMBER 1893.

Dicotyledons, 781; *Monocotyledons*, 213; *Pteridophyta*, 43; *Musci*, 306; *Hepaticæ*, 40; *Algæ marinæ*, 248, including a species of *Melobesia* new to the country, in rock pools on the tidal beach, east coast; *Desmidiæ*, 124, principally

collected by Mrs. Farquharson; *Lichenes*, 89; *Fungi*, 59, not including the microscopic species. There are several rare species collected in October 1872—*Trametes peronatus* and *Hygrophorus chlorophanus*, and a species new to Britain, *H. meisneriensis*, of a bluish colour, and gelatinous, as attested by Mr. W. Smith, of London.

NOTES FROM THE ROYAL BOTANIC GARDEN, EDINBURGH.

I. REPORT ON TEMPERATURE AND VEGETATION DURING NOVEMBER 1893. By ROBERT LINDSAY, Curator.

During November the thermometer was at or below the freezing point on sixteen mornings, indicating collectively 55° of frost for the month, as against 41° for the corresponding month last year. Falls of rain, snow, and sleet were frequent. The severe northerly gale which passed over the country on the 18th and 19th, with such disastrous effects in various quarters, did no damage at the Gardens. The lowest readings of the thermometer were on the 1st, 25°; 4th, 25°; 5th, 28°; 21st, 24°; 22nd, 26°. Very few plants are now in flower out of doors, vegetation being in an almost dormant condition. Not any plants came into flower during November on the rock-garden.

Readings of exposed Thermometer at the Rock-Garden of the Royal Botanic Garden, Edinburgh, during November 1893.

Date.	Minimum.	9 A.M.	Maximum.	Date.	Minimum.	9 A.M.	Maximum.
1st	25°	41°	49°	16th	33°	40°	56°
2nd	33	40	47	17th	38	44	54
3rd	33	40	49	18th	33	35	38
4th	25	35	43	19th	29	32	39
5th	28	32	46	20th	31	36	41
6th	31	34	46	21st	24	26	44
7th	32	38	43	22nd	26	36	42
8th	32	39	45	23rd	28	34	54
9th	36	39	46	24th	33	42	44
10th	38	40	46	25th	40	43	52
11th	33	40	50	26th	31	34	51
12th	40	46	53	27th	29	40	53
13th	30	38	52	28th	36	41	53
14th	28	38	44	29th	38	48	53
15th	28	37	44	30th	35	41	43