

CRYPTOGAMIC SOCIETY

OF

SCOTLAND.

---

∴ THIRTY-SEVENTH ∴

# Annual Conference

*(in conjunction with the British Mycological Society).*

FORRES.

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- 1912 -

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EDINBURGH :

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THE Thirty-Seventh Annual Conference of the Society was held at Forres, September 17th, 18th and 19th, 1912. Twelve members were present. Interest and importance were added to the meeting from the fact that the British Mycological Society also held their Annual Autumn Meeting at the same place and time, under the Presidency of Miss Gulielma Lister, F.L.S. The Moray Arms Hotel was the joint headquarters of both Societies. The localities visited in the neighbourhood of Forres were Cluny Hill and Sanquhar on the first day, the banks of the Findhorn and Darnaway on the second, and Altyre Woods on the third. With the exception of the forenoon of the 17th, when rain fell, the weather was ideal, and the country was looking at its best, the walk up the Findhorn from Sluie to Divie Bridge being particularly beautiful. Fungi of all kinds were unusually abundant, and many of the party being skilled observers, a very large number was recorded, as appears from the lists here given. The district is specially favourable to the growth of these plants, and is associated in the minds of all Scottish mycologists with the name of the Rev. Dr. Keith, an ardent student of Cryptogamic Botany, who was for many years minister of Forres. It was a pleasure to the Cryptogamic Society to meet with its sister Society from England, and the meeting may be regarded as one of the most successful in the history of either Society.

The lists which follow embrace the finds of both Societies. The first list was drawn up to Mr. Carleton Rea, B.C.L., M.A.,

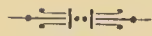
Hon. Secretary of the British Mycological Society, and is practically identical with the list printed in the Transactions of that Society for 1913. It is reproduced here by his kind permission. The second list is that furnished to the British Mycological Society by Miss Gulielma Lister, F.L.S., an expert authority on the Mycetozoa; and the third list of "Additional Records of Scottish Cryptogamic; Plants, 1912," was compiled by Mr. D. A. Boyd of Saltcoats. These names are a sufficient guarantee of carefulness and accuracy, and the Scottish Society would express their grateful appreciation of the courtesy through which their lists have been inserted here.

DAVID PAUL,

*Hon. Secy. of the Scottish Cryptogamic Society.*

*July 23rd, 1913*

## LIST OF FUNGI, 1912.



## LOCALITIES :

- |   |   |
|---|---|
| 1. Altyre Woods.                                      | 7. Rothiemurehus Forest.                          |
| 2. Cawdor Castle Woods.                               | 8. Sanquhar Woods.                                |
| 3. Cluny Hill.  | 9. Culbin Sands.                                  |
| 4. Darnaway Forest.                                   | 10. Findhorn Banks below Forres.                  |
| 5. Findhorn River, between Sluie<br>and Divie Bridge. | 11. Forres and neighbourhood.                     |
| 6. Glenferness House.                                 | 12. Findhorn Village and neighbour-<br>ing Sands. |

*Localities are not indicated for species which occurred in all or most of the places visited.*

**Amanita**—

- |                                  |                            |
|----------------------------------|----------------------------|
| phalloides (Vaill.) Fr. 2.       | muscaria (Linn.) Fr.       |
| vena (Bull.) Fr. 2.              | var. formosa, Gonn. & Rab. |
| mappa (Batsch) Fr. 1, 2, 7, 8.   | rubescens, Fr.             |
| porphyria (A. & S.) Fr. 1, 3, 7. | nitida, Fr. 7.             |
| aureola, Kalehbr. 1.             |                            |

**Amanitopsis**—

- |                                    |                            |
|------------------------------------|----------------------------|
| vaginata (Bull.) Roze, 1, 5, 6, 8. | strangulata (Fr.) Roze. 4. |
| fulva (Schæff.) W.G.Sm. 2.         |                            |

**Lepiota**—

- |                            |                             |
|----------------------------|-----------------------------|
| procera (Seop.) Fr. 7.     | careharias (Pers.) Fr.      |
| rachodes (Vitt.) Fr. 1, 3. | amianthina (Seop.) Fr.      |
| exoriata (Schæff.) Fr.     | lenticularis (Laseh) Fr. 2. |
| eristata (A. & S.) Fr. 1.  |                             |

**Armillaria**—

- |                                |                    |
|--------------------------------|--------------------|
| robusta (A. & S.) Fr. 1, 2, 7. | mellea (Vahl.) Fr. |
|--------------------------------|--------------------|

**Tricholoma**—

- |                            |                                  |
|----------------------------|----------------------------------|
| equestre (Linn.) Fr. 1, 7. | saponaceum, var. squamosum, Cke. |
| sejunctum (Sow.) Fr. 5.    | murinaceum (Bull.) Fr. 7.        |
| portentosum, Fr.           | virgatum, Fr. 1, 7.              |
| resplendens, Fr.           | sulphureum (Bull.) Fr.           |
| albobrunneum (Pers.) Fr.   | bufonium (Pers.) Fr. 1, 9.       |
| ustale, Fr. 5, 7.          | laseivum, Fr. 6.                 |
| rutilans (Schæff.) Fr.     | carneum (Bull.) Fr. 8.           |
| columbetta, Fr. 2, 3.      | album (Schæff.) Fr.              |
| imbricatum, Fr. 1, 3, 5.   | glaucocanum, Bres. 2, 3, 6.      |
| vaccinum, Fr. 1, 3, 6.     | nudum (Bull.) Fr.                |
| terreum (Schæff.) Fr.      | melaleucum (Pers.) Fr. 2, 7, 8.  |
| argyraceum (Bull.) Fr. 3.  | var. phæopodium (Bull.) Quéf. 9. |
| saponaceum, Fr.            |                                  |

**Clitocybe**—

nebularis (Batsch) Fr.  
 clavipes (Pers.) Fr.  
 odora (Bull.) Fr. 6.  
 viridis (With.) Fr.  
 cerussata, Fr. 4, 7.  
 dealbata (Sow.) Fr. 2.  
 infundibuliformis (Gærtn.) Fr.

geotropa (Bull.) Fr. 1.  
 inversa (Scop.) Fr. 1, 2.  
 flaecida (Sow.) Fr. 1.  
 cyathiformis (Bull.) Fr.  
 metaehroa, Fr.  
 ditopoda, Fr.  
 fragrans (Sow.) Fr. 2.

**Laccaria**—

laceata (Scop.) B. & Br.  
*var.* amethystina (Vail.) B. & Br.

tortilis (Bolt.) B. & Br.

**Collybia**—

radicata (Rehh.) Fr. 3, 5.  
 platyphylla, Fr.  
 fusipes (Bull.) Fr. 2.  
 maculata (A. & S.) Fr.  
 distorta, Fr. 1, 3.  
 butyracea (Bull.) Fr.  
 velutipes (Curt.) Fr. 7.

stipitaria, Fr. 3.  
 confluens (Pers.) Fr. 1, 2, 6.  
 tuberosa (Bull.) Fr.  
 tenacella (Pers.) Fr. 1, 3.  
 raneida, Fr. 1, 2.  
 atrata, Fr. 2, 3, 4, 7.

**Mycena**—

Iris Berk. 2.  
 elegans (Pers.) Fr. 3, 7.  
 atromarginata, Fr. 1, 4.  
 rubromarginata, Fr. 3.  
 strobilina (Pers.) Fr. 1, 2, 3, 7.  
 rosella, Fr. 5.  
 pura (Pers.) Fr.  
 flavoalba, Fr. 3.  
 laetea (Pers.) Fr. 6.  
 rugosa, Fr.  
 galericulata (Scop.) Fr.  
 polygramma (A. & S.) Fr. 1.  
 atroalba (Bolt.) Fr. 5.

alcalina, Fr.  
 ammoniacea, Fr. 1, 2.  
 amietia, Fr. 3, 7.  
 debilis, Fr. 1.  
 hæmatopoda (Pers.) Fr. 1, 2, 6, 8.  
 galopoda (Pers.) Fr. 4.  
 sanguinolenta (A. & S.) Fr. 2.  
 epipterygia (Scop.) Fr. 2, 5.  
 pelliculosa, Fr. 9.  
 vulgaris (Pers.) Fr.  
 tenerrima, Berk. 5.  
 diseopoda, Lev. 9.

**Omphalia**—

rustica, Fr. 2, 7.  
 umbellifera (Linn.) Fr. 1, 2, 6, 7.  
 fibula (Bull.) Fr. 2.

fibula, *var.* Swartzii, Karst. 7.  
 integrella (Pers.) Fr. 8.

**Pleurotus**—

corticatus, Fr. 1.  
 aereus, Fr. 5.

porrigens (Pers.) Fr. 1, 2, 5.  
 applicatus (Batsch) Fr. 7.

**Hygrophorus**—

eburneus (Bull.) Fr.  
 cossus (Sow.) Fr. 2.  
 hypothejus, Fr.  
 fuscoalbus (Laseh) Fr. 7.  
 agathosmus, Fr.  
 pratensis (Pers.) Fr.  
 virgineus (Wulf) Fr.  
 niveus (Scop.) Fr.  
 lætus (Pers.) Fr. 2, 7.

vitellinus, Fr. 3.  
 coecineus (Schæff.) Fr.  
 miniatus, Fr. 7.  
 turundus, Fr. 1.  
 puniceus, Fr. 1, 7.  
 conieus (Scop.) Fr.  
 chlorophanus, Fr. 1.  
 psittacinus (Schæff.) Fr.  
 unguinosus, Fr. 2.



**Lactarius—**

- torminosus (Schæff.) Fr. 1, 2.  
 turpis (Weinm.) Fr.  
 pubescens, Fr.  
 blennius, Fr.  
 uvidus, Fr.  
 pyrogalus (Bull.) Fr.  
 chrysorheus, Fr. 1, 2.  
 piperatus (Scop.) Fr. 6.  
 vellereus, Fr.  
 deliciosus (Linn.) Fr.  
 pallidus, Fr. 2, 5.  
 quietus, Fr.  
 aurantiacus (Fl. Dan.) Fr.  
 vietus, Fr.  
 rufus (Scop.) Fr.  
 glyciosmus, Fr.  
 serifluus (DC.) Fr. 1.  
 mitissimus, Fr. 1, 2, 3, 6.  
 subdulcis (Bull.) Fr.

**Russula—**

- nigricans (Bull.) Fr. 2, 6.  
 adusta (Pers.) Fr. 3, 6.  
 chloroides (Krombh.) Bres. 2.  
 mustelina, Fr.  
 olivascens, Fr. 5.  
 rosacea, Fr. 1.  
 sardonina, Bres.  
 cærulea (Pers.) Fr. 3, 5, 7.  
 drimeia, Cke. (= expallens, Gillet).  
 incarnata, Quéf. 3.  
 virescens (Schæff.) Fr. 3.  
 cutifracta, Cke.  
 lepida, Fr. 1.  
 rubra (DC.) Fr. 1, 2.  
 olivacea (Schæff.) Fr. 3, 5.  
 vesca, Fr. 7.  
 cyanoxantha (Schæff.) Fr.  
 heterophylla, Fr. 1, 2, 3, 7.  
 galochroa, Fr. 7.  
 fætens (Pers.) Fr.  
 fellca, Fr.  
 Queletii, Fr. 1, 3.  
 emetica, Fr.  
 fallax (Schæff.) Fr. 3.  
 ochroleuca (Pers.) Fr.  
 citrina, Gillet. 2, 3.  
 æruginea, Fr. 2, 3.  
 fragilis (Pers.) Fr. *var.* nivea, Cke.  
     *var.* violacea, Cke.  
 nitida (Pers.) Fr. 7.  
     *var.* cuprea (Krombh.) Fr. 1.  
 alutacea (Pers.) Fr.  
 ochracea (Pers.) Fr.

**Cantharellus—**

- cibarius, Fr.  
 aurantiacus (Wulf) Fr. 7.  
 umbonatus (Gmel.) Fr. 6.  
 tubæformis (Bull.) Fr. 2, 6.  
 infundibuliformis (Scop.) Fr. 5.

**Nyctalis—**

- parasitica (Bull.) Fr. 3, 5.

**Marasmius—**

- peronatus (Bolt.) Fr. 5.  
 oreades (Bolt.) Fr.  
 fætibus (Sow.) Fr. 3.  
 ramealis (Bull.) Fr.  
 caudicinalis (With.) Fr. 9.

**Androsaceus—**

- rotula (Fr.) Pat. 1, 2.  
 androsaceus (Lin.) Pat.  
 Hudsoni (Berk.) Pat. 2.  
 epiphylloides, Rea. 2, 4.

**Lentinus—**

- cochleatus (Pers.) Fr. 11.

**Panus—**

- conchatus (Bull.) Fr. 5.  
 stypticus (Bull.) Fr.

**Lenzites—**

- betulina (Linn.) Fr.  
 flaccida (Bull.) Fr.  
 sæpiaria (Wulf) Fr.

**Pluteus**—

cervinus (Schæff.) Fr. 7, 8.

**Entoloma**—

lividum (Bull.) Fr. 3, 4.  
 porphyrophæum, Fr. 7.  
 ameides, B. & Br. 7.  
 jubatum, Fr. 1.

costatum, Fr. 2.  
 sericeum (Bull.) Fr.  
 nidorosum, Fr. 1, 2, 6.

**Clitopilus**—

prunulus (Scop.) Fr. 2.

popinalis, Fr. 12.

**Leptonia**—

lampropoda, Fr. 7.  
 formosa, Fr. 5.

sericella (Fr.) Quél. 2.

**Nolanea**

pascua (Pers.) Fr.

pisciadora (Ces.) Fr. 2, 7.

**Claudopus**—

variabilis (Pers.) W.G.Sm. 7.

**Pholiota**—

caperata (Pers.) Fr. 7.  
 præcox (Pers.) Fr. 3.  
 squarrosa (Müll.) Fr. 2, 6, 7.  
 spectabilis, Fr.

flammans, Fr. 1, 3, 6.  
 mutabilis (Schæff.) Fr.  
 marginata (Batsch) Fr. 1, 2.

**Inocybe**—

hystrix, Fr.  
 cincinnata, Fr. 2, 7.  
 pyriodora (Pers.) Fr.  
 flocculosa, Berk. 1, 3.  
 maritima, Fr. 9.  
 rimosa (Bull.) Fr.

euthelus (B. & Br.) 2.  
 abjecta, Karst. 9.  
 Godeyi, Gillet, 1, 2, 3.  
 fastigiata (Schæff.) Fr. 2.  
 geophylla (Sow.) Fr.  
*var.* violacea, Pat.

**Hebeloma**—

fastibile, Fr.  
 glutinosum (Lindg.) Fr. 1, 3, 8.  
 mesophæum, Fr. 2, 3, 7.

crustuliniforme (Bull.) Fr. 2, 5.  
 elatum (Batsch) Fr. 2.

**Flammula**—

carbonaria, Fr. 4, 7.  
 rubicundula, Rea. 5, 7.

inopoda, Fr. 2, 3.  
 sapinea, Fr.

**Naucoria**—

melinoides (Bull.) Fr. 3, 5, 6.

escharoides, Fr. 7.

**Galera**—

tenera (Schæff.) Fr.  
 hypnorum (Schränk) Fr.

hypnorum *var.* sphagnorum (Pers.)  
 Fr. 7.

**Tubaria**—

furfuracea. W.G.Sm.

**Crepidotus**—

alveolus (Lasch) Fr. 6, 7.

mollis (Schæff.) Fr.

**Cortinarius**—*(Phlegmacium)*—

triumphans, Fr. 3, 5, 6.

claricolor, Fr. 11.

varius (Schæff.) Fr. 5.

largus (Buxb.) Fr. 2.

glaucopus (Schæff.) Fr. 6.

purpurascens (Batsch) Fr. 3.

prasinus (Schæff.) Fr. 3.

*(Myxacium)*—

mucosus (Bull.) Fr.

collinitus (Pers.) Fr. 3.

elatio, Fr. 1, 5, 7, 8.

vibratilis, Fr. 3.

pluvius, Fr. 2.

*(Inoloma)*—

argentatus (Pers.) Fr. 2.

alboviolaceus (Pers.) Fr.

trophaceus, Fr. 1.

callisteus, Fr. 1, 2.

pholideus, Fr.

*(Dermocybe)*—

ochroleucus (Schæff.) Fr. 1, 2, 7.

tabularis (Bull.) Fr.

camurus, Fr. 6.

caninus, Fr.

azureus, Fr. 1.

anomalus, Fr.

lepidopus, Cke. 1, 5.

miltinus, Fr.

sanguineus (Wulf) Fr. 5.

cinnamomeus (Linn.) Fr.

semisanguineus, Fr.

raphanoides (Pers.) Fr. 1, 5.

*(Telamonia)*—

macropus (Pers.) Fr. 5.

bivelus, Fr. 5.

bulbosus (Sow.) Fr. 1, 5.

torvus, Fr.

armillatus, Fr.

limonius, Fr. 7, 9.

helvolus, Fr. 3, 6.

hinnuleus (Sow.) Fr.

gentilis, Fr. 1, 3, 7.

brunneus (Pers.) Fr. 1, 3, 5, 7, 8.

brunneofulvus, Fr. 2.

iliopodius (Bull.) Fr. 4, 5, 7.

hemitrichus (Pers.) Fr. 1, 3, 5.

rigidus (Scop.) Fr. 1, 2, 3, 5.

paleaceus (Weinm.) Fr. 1, 2, 3, 7.

*(Hydrocybe)*—subferrugineus (Batsch) Fr. 1, 5,  
6, 7.

armeniacus (Schæff.) Fr. 1, 3.

damascenus, Fr. 5.

saturninus, Fr. 3.

castaneus (Bull.) Fr. 3, 7.

uraceus, Fr. 7.

dolabratus, Fr. 4, 5.

leucopus (Pers.) Fr. 1, 3, 5, 7, 8.

erythrinus, Fr. 5.

decipiens (Pers.) Fr.

germanus, Fr. 1.

obtusus, Fr. 2, 5, 7, 9.

acutus (Pers.) Fr. 4, 5.

**Paxillus**—

giganteus (Sow.) Fr. 6, 7.

lepista, Fr. 3.

involutus (Batsch) Fr.

atrotomentosus (Batsch) Fr.

panuoides, Fr. 7.

**Psaliota**—

arvensis (Schæff.) Fr. 9.

purpurascens, Cke. 8.

xanthoderma, Genev. 2.

campestris (Linn.) Fr.

silvicola (Vitt.) Fr. 6.

hæmorrhoidaria, Kalkbr. 1, 3, 7.

comptula, Fr.

**Stropharia**—

eruginosa (Curt.) Fr.  
 albocyanca (Desm.) Fr. 2, 3.  
 coronilla (Bull.) Fr.

squamosa, Fr. 3, 4.  
 Worthingtonii, Fr. 1, 7.  
 semiglobata (Batsch) Fr. 4, 7.

**Hypholoma**—

sublateritium (Schæff.) Fr.  
 capnoides, Fr.  
 epixanthum (Paul.) Fr.  
 fasciculare (Huds.) Fr.  
 dispersum, Fr. 1, 2, 3, 5, 7.

lacrymabundum, Fr. 2.  
 velutinum (Pers.) Fr. 2, 8.  
 appendiculatum (Bull.) Fr. 1.  
 hydrophilum (Bull.) Fr. 7.

**Psilocybe**—

sarcocephala, Fr. 2.  
 semilanceata, Fr. 4.

fœnisecii (Pers.) Fr. 7.

**Psathyra**—

corrugis (Pers.) Fr.  
 gyroflexa, Fr. 1.  
 bifrons, Berk. 1.

semivestita, B. & Br. 1.  
 fibrillosa (Pers.) Fr. 1, 2, 3, 7, 8.

**Bolbitius**—

titubans (Bull.) Fr. 5.

**Coprinus**—

comatus (Fl. Dan.) Fr.  
 atramentarius (Bull.) Fr.  
 cinereus, Fr. 3, 7.  
 niveus (Pers.) Fr.

micaccus (Bull.) Fr.  
 ephemerus (Bull.) Fr.  
 plicatilis (Curt.) Fr. 8.

**Panæolus**—

sphinctrinus, Fr. 3.  
 campanulatus (Linn.) Fr.

papilionaceus (Bull.) Fr. 1.

**Anellaria**—

separata (Linn.) Karst. 12.

**Psathyrella**—

gracilis (Pers.) Fr.  
 atomata, Fr.

disseminata (Pers.) Fr. 1, 2.

**Gomphidius**—

glutinosus (Schæff.) Fr. 1, 2, 6.  
 roseus (Fr.) Qué. 1.  
 viscidus (Linn.) Fr.

maculatus (Scop.) Fr. 8.  
 gracilis, Berk. 2, 3.

**Boletus**—

luteus, Fr.  
 elegans (Schum.) Fr.  
 bovinus (Linn.) Fr.  
 badius (Linn.) Fr.  
 piperatus (Bull.) Fr. 3.  
 variegatus (Swartz) Fr.  
 sulphureus, Fr. 7.  
 chrysenteron (Bull.) Fr. 1, 2, 8.  
 subtomentosus (Linn.) Fr.  
 calopus, Fr. 2, 3.  
 pachypus, Fr. 5.

edulis (Bull.) Fr.  
 reticulatus (Schæff.) Boud. 1.  
 pinicola (Vitt.) Rea. 1, 2, 3, 5, 7.  
 vaccinus, Fr. 1, 2, 3, 7, 8.  
 luridus (Schæff.) Fr. 2, 3, 5.  
 purpureus, Fr. 2.  
 versipellis, Fr.  
 scaber (Bull.) Fr.  
     *var.* aurantiacus (Bull.) Fr. 1.  
 rugosus, Fr. 1.

**Fistulina**—

hepatica (Huds.) Fr.

**Polyporus**—

Schweinitzii, Fr. 1, 2, 5, 7.  
 squamosus (Huds.) Fr.  
 calceolus (Bull.) Qué. 3, 8.  
 nummularius, Fr. 1.  
 varius (Pers.) Fr. 1.  
 sulphureus (Bull.) Fr.

fragilis, Fr. 3.  
 cæsius (Schrad.) Fr. 2.  
 adustus (Willd.) Fr.  
 amorphus, Fr. 1, 2, 3, 6.  
 hispidus (Bull.) Fr. 2.  
 betulinus (Bull.) Fr.

**Fomes**—

nigricans, Fr.

annosus, Fr.

**Polystictus**—

Montagnei, Fr. 1, 7.  
 perennis (Linn.) Fr. 2, 7.  
 radiatus (Sow.) Fr.

versicolor (Linn.) Fr.  
 velutinus (Pers.) Fr. 1, 3.  
 abietinus (Dicks.) Fr. 1, 3, 4, 8.

**Poria**—

vulgaris, Fr. 6, 8.  
 mollusca (Pers.) Fr. 1, 2.  
 mucida, Fr. 1.  
 vaporaria, Pers. 1, 3.

sanguinolenta Fr. 1, 2.  
 blepharistoma, B. & Br. 1.  
 terrestris (DC.) Fr. 1, 5.

**Trametes**—

pini (Thore) Fr. 6, 7.

mollis (Sommer.) Fr. 6

**Dædalea**—

quercina (Linn.) Fr.

**Merulius**—

tremellosus (Schrad.) Fr. 7.  
 corium (Pers.) Fr. 5.

molluscus, Fr. 1, 7, 9

**Porothelium**—

confusum, B. & Br. 6.

**Solenia**—

anomala (Pers.) Fr. 6, 7, 9.

**Ptychogaster**—

albus, Cda. 2.

**Hydnum**—

imbricatum (Linn.) Fr. 1, 2, 6, 7.  
 scabrosum, Fr. 7.  
 repandum (Linn.) Fr.  
 rufescens (Pers.) Fr. 2.  
 compactum (Pers.) Fr. 1, 7.  
 aurantiacum (Batsch) Fr. 1, 3.  
 ferrugineum, Fr. 1, 5, 7.  
 zonatum (Batsch) Fr. 1, 7.

nigrum, Fr. 1, 5.  
 melaleucum, Fr. 3.  
 auriscalpium (Linn.) Fr. 1  
 ochraceum (Gmel.) Fr. 2.  
 alutaceum, Fr. 1.  
 niveum (Pers.) Fr. 1, 2, 3, 6.  
 farinaceum (Pers.) Fr. 1, 6.

**Sistotrema**—

confluens (Pers.) Fr. 1.

**Irpe**x—

obliquus (Schr.) Fr.

**Radulum**—

quercinum (Pers.) Fr. 2.

**Phlebia**—

radiata, Fr. 8.

vaga, Fr.

**Grandinia**—

granulosa (Pers.) Fr.

mucida, Fr. 2, 7

**Odontia**—

fimbriata (Pers.) Fr.

**Craterellus**—

cornueopioides Linn, Fr. 2, 6.

**Sparassis**—

crispa (Wulf) Fr. 5.

**Thelephora**—

lacinata (Pers.) Fr. 1, 3, 6, 7.

**Stereum**—

hirsutum (Willd.) Fr.

purpureum (Pers.) Fr.

sanguinolentum (A. &amp; S.) Fr. 1, 6.

**Hymenochæte**—

rubiginosa (Dicks.) Lév. 8.

**Corticium**—

lacteum, Fr. 1.

sanguineum, Fr. 1, 7.

ealceum (Pers.) Fr.

trigonospermum, Bres. 11.

**Peniophora**—

quercina (Pers.) Cke. 3.

gigantea (Fr.) Masee, 7.

cinerea (Pers.) Cke. 1, 2, 6.

velutina (DC.) Cke.

incarnata (Pers.) Masee. 1.

**Coniophora**—

puteana (Schum.) Fr. 6.

**Exobasidium**—

vaccinii, Woron. 6, 7.

**Clavaria**—

muscoides (Linn.) Fr. 3.

cinerea (Bull.) Fr. 1, 2, 3.

cristata, (Pers.) Fr. 1, 3, 6, 7.

rugosa (Bull.) Fr. 1, 2, 3, 6.

abictina (Pers.) Fr. 3.

fusiformis (Sow.) Fr. 7.

luteoalba, Rea, 1, 4, 7.

dissipabilis, Britz. 1, 3, 4, 5.

argillacea (Pers.) Fr. 9.

**Pistillaria**—

quisquiliaris, Fr. 5.



**Auricularia**—

mesenterica (Dicks.) Fr. 7.

**Exidia**—recisa (Ditm.) Fr. 1.  
glandulosa (Bull.) Fr.

albida (Huds.) Bref. 1, 3.

**Phæotremella**—

pseudofoliacea, Rea.

**Tremella**—mesenterica (Retz.) Fr. 1, 4.  
indecorata (Somm.) Fr. 2.

sarcooides, W.G.Sm. 1, 6, 7.

**Dacryomyces**—

deliquescens (Bull.) Duby.

stillatus (Nees) Fr. 1, 2, 7.

**Calocera**—

viscosa (Pers.) Fr.

stricta, Fr. 2, 4, 6.

**Ithyphallus**—

impudicus (Linn.) Fisch. 1, 2, 5.

**Mutinus**—

caninus (Huds.) Fr. 1.

**Nidularia**—pisiformis (Roth) Tul. On rabbit  
dung, 9.**Sphærobohus**—

stellatus (Tode) Pers. 6, 7.

**Cyathus**—

vernicosus (Bull.) DC. 2.

**Crucibulum**—

vulgare, Tul. 2, 3, 7.

**Bovista**—

plumbca, Pers.

nigrescens, Pers. 7, 8.

**Lycoperdon**—perlatum, Pers.  
cælatum (Bull.) Fr. 7.  
pyriforme (Schæff.) Pers.umbrinum, Pers. 1, 3, 4, 5.  
saccatum (Vahl) Fr. 1, 7.  
spadiceum, Pers. (= Cookei, Mass.)  
1, 12.**Uromyces**—fabæ (Pers.) Schröt. 10.  
polygona (Pers.) Fekl. 11.  
trifolii (A. & S.) Wint. 11.geranii (DC.) Otth. & Wartm. 6  
rumicis (Schum.) Wint. 11.  
alchemillæ (Pers.) Wint. 8, 10.

**Puccinia**—

- galii (Pers.) Wint. 10.  
 calthæ, Link. 10.  
 lapsanæ (Schultz) Fekl. 11.  
 violæ (Schum.) DC. 3, 5, 6, 8.  
 pimpinellæ (Strauss) Mart. 11.  
 graminis, Pers. 11.  
 rubigo-vera (DC.) Wint. 3, 5, 7,  
 8, 10, 11.
- obtegens (Link) Tul. (= suaveolens  
 Rostr.) 8.  
 hieracii (Schum.) Mart. 3, 8, 10,  
 11.  
 centaureæ, Mart. 3, 8, 10.  
 oblongata (Link) Wint. 2, 3, 6, 8.  
 glomerata, Grev. 7, 8, 10.  
 arenariæ (Schum.) Wint. 3, 10.  
 annularis (Strauss) Schlecht. 6.

**Phragmidium**—

- violaceum (Schultz) Wint. 2, 3, 5,  
 8, 9, 10.  
 subcorticatum (Schrank) Wint. 3,  
 10
- rubi (Pers.) Wint. 5.  
 rubi-idæi (Pers.) Wint. 3, 5, 8, 10.

**Gymnosporangium**—

- juniperinum (Linn.) Fr. As *Ræstelia* on leaves of *Pyrus Aucuparia*, 2,  
 3, 5, 7, 8.

**Melampsora**—

- farinosa (Pers.) Schröt. 2, 5, 6, 8,  
 10.  
 vitellinæ (DC.) Thum. 6.  
 tremulæ, Tul. 6, 7.  
 populina (Jacq.) Lév. 3.
- hypericorum (DC.) Schröt. 6.  
 vacciniarum (Link) Wint. 6.  
 orchidi repentis (Plow.) Kleb. On  
 leaves of *Goodyera repens*, 5, 9.

**Melampsoridium**—

- betulinum (Pers.) Kleb. 2, 3, 5, 6, 7, 8.

**Cronartium**—

- ribicolum. Dietr. 11.

**Coleosporium**—

- senecionis (Pers.) Fr. 9, 11.  
 tussilaginis (Pers.) Kleb. 11
- campanulæ (Pers.) Lév. 6.  
 euphrasiæ (Schum.) Wint. 8, 10, 11.

**Milesia**—

- polypodii, B. White. 6.

**Ustilago**—

- hypodytes (Schlecht.) Fr. On  
*Ammophila arenaria*, 12.
- avenæ, Jensen. 11.
- longissima (Sow.) Tul. On *Gly-*  
*ceria fluitans*. 10.  
 violacea (Pers.) Wint. 8.

**Tilletia**—

- decipiens (Pers.) Körn. 7.

**Urocystis**—

- anemones (Pers.) Wint. 6.

**Sphærotheca**—

- castagnei, Lév. 7.



**Podosphæra**—

tridactyla (Wallr.) de Bary. On myrtillina (Schub.) Kze. 6, 7.  
*Prunus Padus*, 7. oxyacanthæ (DC.) de Bary. 11.

**Erysiphe**—

Martii, Lév. 10. umbelliferarum, de Bary. 10.

**Uncinula**—

aceris (DC.) Sacc. 6, 10.

**Microsphæra**—

berberidis (DC.) Lév. 11. grossulariæ (Wallr.) Lév. 11.

**Capnodium**—

salicinum (A. & S.) Mont. 3.

**Nectria**—

cinnabarina (Tode) Fr. episphæria (Tode) Fr. 1, 2, 6.  
 coccinea (Pers.) Fr. 1.

**Hypomyces**—

rosellus (A. & S.) Tul. 1, 6 aurantius (Pers.) Fr. 1, 3.

**Hypocrea**—

rufa (Pers.) Fr. 1, 7. gelatinosa (Tode) Fr. 7.

**Claviceps**—

purpurea (Fr.) Tul. 7.

**Cordyceps**—

militaris (Linn.) Fr. 1, 3. ophioglossoides (Ehrh.) Link. 1, 2, 4.

**Leptospora**—

ovina (Pers.) Fekl. 1.

**Melanomma**—

pulvis-pyrus (Pers.) Fekl. 1, 2, 3, 4. pulvisculum (Curr.) Sacc. 7.

**Cucurbitaria**—

berberidis (Pers.) Gray. 11. spartii, de Not. 3, 6, 8, 10.  
 laburni (Pers.) de Not. 3.

**Stigmatea**—

robertiani, Fr. 3, 6, 8, 10.

**Læstadia**—

faginea (Awd.) Cke. & Phil. 3.

**Sphærella**—

runicis (Desm.) Cke. 3, 8, 10, 11. vaccinii, Cke. 7.

**Pleospora**—

herbarum (Pers.) Rabh. 1, 5.

**Diaporthe**—Wibbei, Ntke. On *Myrica Gale*, 7.**Melanconis**—

stilbostoma (Fr.) Tul. 6, 7, 10.

alni, Tul. 10.

**Diatrypella**—

quercina (Pers.) Ntke. 1, 3, 8.

**Diatrype**—

stigma (Hoffm.) de Not. 1, 3, 6.

disciformis (Hoffm.) Fr. 6, 7.

**Hypoxyton**—

multiforme, Fr. 5.

fuscum (Pers.) Fr.

rubicinosum (Pers.) Fr. 6.

coccineum, Bull. 1, 3.

**Ustulina**—

vulgaris, Tul. 1, 2, 6.

**Xylaria**—

hypoxyton (Linn.) Grev.

Tulasnei, Ntke. On rabbit dung, 9.

**Phyllachora**—

heraclei (Fr.) Fekl. 10, 11.

angelicæ (Fr.) Fekl. 10.

junci (Fr.) Fekl. 8.

podagrariæ (Roth) Karst. 10.

graminis (Pers.) Fekl. 10.

**Dothidella**—

betulina (Fr.) Sacc. 1, 3, 7.

**Dothidea**—

sambuci (Pers.) Fr. 7.

**Helvella**—

lacunosa (Afz.) Phil. 1.

monachella (Scop.) Fr. 6.

**Leptopodia** (= *Helvella*)—

elastica (Bull.) Bond. 2.

**Acetabula**—

vulgaris (Linn.) Fekl. 1.

**Macropodia** (= *Helvella*)—

macropus (Pers.) Fekl. 1, 2, 3, 7.

**Rhizina**—

inflata (Schæff.) Karst. 5.

**Galactinia** (= *Peziza*)—

badia (Pers.) Bond. 2, 3, 5, 8.

succosa (Berk.) Cke. 1.

**Otidea**—

onotica (Pers.) Fekl. 1, 2, 3, 5, 7.

cochleata (Linn.) Fekl. 1.

**Peziza** (= *Otidea*)—

aurantia (Pers.) Fr. 1, 2.

**Lachnea**—

hemisphærica (Wigg.) Gill. 1.

**Ciliaria** (= Lachnea)—

scutellata (Linn.) Quél. 2, 5, 7.      umbrorum (Fr.) Boud. 5.

**Perrotia** (= Dasyscypha)—

flammea (A. &amp; S.) Boud. 7.

**Coprobia** (= Humaria)—

granulata (Bull.) Gill. 7, 8.

**Ascobolus**—

stercorarius (Bull.) Schröt. (= A. furfuraceus (Pers.) Fr.) 6, 8.

**Pyronema** (= Humaria)—

omphalodes (Bull.) Sacc. 7.

**Geoglossum**—

ophioglossoides (Linn.) Sacc. (= G. glabrum, Pers.) 1, 2, 4.

**Microglossum**—

arenarium, Rostr. 9.

**Spathularia**—

clavata (Schæff.) Sacc. 7.

**Mitrula**—

cucullata (Batsch) Fr. 1.

**Leotia**—

lubrica (Scop.) Fr. 1, 3, 5, 7.

**Cudoniella** (= Leotia)—

acicularis (Bull.) Schröt. 1, 5

**Cudonia**—

circinans (Pers.) Fr. 3.

**Ombrophila**—

clavus (A. &amp; S.) Fr. 1, 2, 6.

**Calycella** (= Helotium)—

citriua (Hedw.) Boud. 2.

**Melachroia** (= Humaria)—

xanthomela (Pers.) Boud. 1.

**Coryne**—

sarcoides (Jacq.) Tul.      urnalis (Nyl.) Sacc. 3, 5, 6, 7, 8.

**Bulgaria**—

inquinans (Pers.) Fr. (= polymorpha (Æd.) Wett.) 5, 6.

**Corynella** (= Coryne)—

atrovirens (Pers.) Boud. 1, 2.

**Polydesmia** (= Belonidium)—

pruinosa (B. &amp; Br.) Boud. 6, 7.

**Calloria**—

fusarioides (Berk.) Fr. 5.

**Orbilina**—

leucostigma, Fr. 2, 3.

xanthostigma, Fr. 1, 6.

**Sclerotinia**—Curreyana (Berk.) Karst. Sclerotia in fading culms of *Juncus*, 4, 7, 9.**Phialea**—firma (Pers.) Boud. (= *Ciboria ochroleuca* (Bolt.) Masee) 6, 7.**Chlorosplenium**—

aruginosum (Æd.) Fr. 6.

**Helotium**—herbarum (Pers.) Fr. 1, 6.  
fructigenum (Bull.) Karst. 2, 6.  
epiphyllum (Pers.) Fr. 1, 2.virgultorum (Vahl) Karst. 3, 5.  
cyathodeum (Bull.) Karst. 1, 2, 7.**Dasyscypha**—virginea (Batsch) Fekl.  
nivea (Hedw. fil.) Saec. 1, 3.  
crueifera (Phil.) Saec. 7.eiliaris (Sehrad.) Saec. 2.  
acuum (A. & S.) Saec. 1.**Erinella**—

apala (B. &amp; Br.) Masee. 7.

**Lachnella** (= Dasyscypha)—

sulfurea (Pers.) Quéf. 1.

**Trichoscypha** (= Dasyscypha)—

ealyeina (Schum.) Fekl. 7.

**Hyaloscypha** (= Dasyscypha)—

hyalina (Pers.) Boud. 1, 3, 6.

**Pyrenopeziza** (= Pseudopeziza)—arenivaga (Desm.) Saec. On rubi (Fr.) Rehm. 7.  
*Ammophila*, 9, 10.**Mollisia**—

cinerea (Batsch) Karst.

melaleuca (Fr.) Saec. 1, 2.

**Cenangium**—

abietis (Pers.) Rehm. 3.

**Scleroderris**—

rubi (Lib.) Mass. 3.

**Trochila** —

laurocerasi (Desm.) Fr. 3, 6, 10.

**Propolis**—

faginea (Schrad.) Karst. 1, 3.

**Stictis**—

junci, Karst. 10.

**Phacidium**—

calthæ, Phil. 10.

**Pseudopeziza**—

ranunculi (Wallr.) Fekl. 6, 10.

trifolii (Bern.) Fekl. 11.

**Stegia**—

ilicis, Fr. 2, 3.

**Colpoma**—

quercinum (Pers.) Wallr. 6, 7.

**Rhytisma**—

acerinum (Pers.) Fr. As *Mel-*  
*asmia*.

salicinum (Pers.) Fr. As *Mel-*  
*asmia*, 6, 9.

**Dichæna**—

quercina (Pers.) Fr. 6, 7.

**Lophodermium**—

pinastri (Schrad.) Chev. 1, 2, 3, 5,  
6, 7.

arundinaceum (Schrad.) Chev. 9.

cladophilum (Lév.) Rehm. 6.

juniperinum (Fr.) de Not. 6, 7.

**Elaphomyces**—

variegatus, Vitt. 1, 2, 4.

**Cystopus**—

candidus (Pers.) Lév. 7, 11.

**Phytophthora**—

infestans (Mont.) de Bary. 11.

**Plasmopara**—

nivea (Ung.) Schröt. 11.

**Peronospora**—

calotheca, de Bary. 11.

parasitica (Pers.) de Bary. 11

**Protomyces**—

macrosporus, Ung. 3, 11.

pachydermus, Thüm. 11.

**Phyllosticta**—

sambuci, Desm. 3, 6, 11.

ulmi, West. 11.

mercurialis, Desm. 10.

**Phoma**—

samararum (Desm.) Sacc. On deusta, Fekl. On *Rhinanthus*, 5.  
samaras of Ash, 2.

**Cytispora**—

Curreyi, Sacc. On *Larix*. 10. lauro-cerasi, *var.* ramulorum,  
lauro-cerasi, Fekl. 3, 10. Sacc. 3, 10.

**Darluca**—

filum (Biv.) Cast. 6.

**Diplodina**—

ammophilæ, Trail, 9.

**Septoria**—

gei, Rob. & Desm. 10. stachydis, Rob. & Desm. 10. 11.  
stellariæ, Rob. & Desm. 11. scabiosicola, Desm. 6, 10.  
petroselini, Lib. 11. urticae, Desm. & Rob. 9.  
podagrariæ, Lasch. 3, 10. rosæ (Desm.) Sacc. 6.

**Phleospora**—

aceris (Lib.) Sacc. 6.

**Leptostroma**—

juncacearum, Sacc. On *Luzula*  
*sylvatica*, 2.

**Leptothyrium**—

periclymeni (Desm.) Sacc. 10. alneum (Lév.) Sacc. 10.

**Discella**—

carbonacea (Fr.) B. & Br. 10.

**Gleosporium**—

tiliæ, Oud. 6. salicis, West. 10.  
fagi, Desm. & Rob. 3, 10.

**Libertella**—

faginea, Desm. 6.

**Melanconium**—

bicolor, Nees. 6, 10. sphaeroideum, Link. 6, 10.

**Asterosporium**—

Hoffmanni, Kunze. 10.

**Cylindrium**—

havovirens, Bon. 3.

**Oidium**—

crysiphoides, Fr. 3. monilioides, Link. 7.  
alphitoides, Griff. & Maulb. 1, 2,  
3 5, 8.

**Trichoderma**—

*lignorum*, Tode. 1, 2, 3, 5, 6, 7, 8.

**Ovularia**—

*rufibasis* (B. & Br.) Mass. 7.  
*veronicæ* (Fekl.) Sacc. 6, 8, 11.

*obliqua* (Cke.) Oud. 3, 5, 6, 8, 10,  
11.

**Sepedonium**—

*chrysospermum* (Bull.) Fr. 1, 2, 6.

**Didymaria**—

*didyma* (Ung.) Schröt. 3, 8.

**Ramularia**—

*violæ*, Trail. 3, 6, 8, 10.  
*Winteri*, Thüm. 9, 10.  
*heraclei*, Sacc. 6, 10.  
*valerianæ* (Speg.) Sacc. 10.  
*knautiæ* (Massal.) Bub. On  
*Scabiosa succisa*, 10.  
*lampsanæ* (Desm.) Sacc. 11.  
*taraxaci*, Karst. 3, 11.

*variabilis*, Fekl. 10.  
*calcea* (Desm.) Ces. 6, 10.  
*ajugæ*, Niessl. 6.  
*plantaginis*, Ellis & Mart. 10.  
*plantaginea*, Sacc. & Berl. 10.  
*pratensis*, Sacc. 3, 6, 8, 10.  
*urticæ*, Ces. 6, 9, 10.

**Zygodesmus**—

*fuscus*, Cda. 7.

**Fusicladium**—

*pirinum*, Fekl. 11.

*depressum*, B. & Br. 8.

**Cercospora**—

*mercurialis*, Pass. 3, 8, 10.

**Coniothecium**—

*amentacearum*, Cda. 10.

*betulinum*, Cda. 10.

**Fumago**—

*vagans*, Pers. 6.

**Stilbella**—

*erythrocephala* (Ditm.) Lindau. 10.

**Isaria**—

*arachnophila*, Ditm. 1.

**Tubercularia**—

*vulgaris*, Tode. 1, 6.

**Ægerita**—

*candida* (Pers.) Grev.



## MYCETOZOA.

(Identified by Miss GULIELMA LISTER, F.L.S.)

\* Indicates a new record for Scotland.

**Ceratiomyxa**—

fruticulosa (Mucll.) Macbr. 2.

**Badhamia**—capsulifera (Bull.) Berk. 1, 2, 5.  
utricularis (Bull.) Berk. 6.rubiginosa (Chev.) Rost. *var.*  
globosa. 4.**Physarum**—\* mutabile (Rost.) Lister. 5.  
viride (Bull.) Pers. 1.  
auriscalpium Cooke. 5.  
nutans Pers. 1, 2, 4, 5, 6, 7, 9.  
nutans *var.* leucophæum. Also  
abundant.compressum A. & S. 2.  
\* conglomeratum (Fr.) Rost. 2.  
virescens Ditm. *var.* obscurum  
Lister. 2.**Fuligo**—septica Gmel. 1, 2, 5, 6, 7, 9.  
\* muscorum A. & S. 1.\* cinerea (Schw.) Morgan, *var.*  
ecorticata Lister. 2, 7.**Craterium**—minutum (Leers), Fr. 1, 2, 6, 7, 9.  
leucocephalum (Pers.) Ditmar. 1, 2.

aureum (Fr.) Rost. 1.

**Leocarpus**—fragilis (Dicks.) Rost. 1, 2, 5, 6,  
7, 9.**Diderma**—spumarioides, Fr. 2.  
effusum (Schw.) Morg. 5.  
\* ochraceum, G.F. Hoffm. 5.  
radiatum (L.) Lister. 1, 7niveum (Rost.) Macbr. *var.*  
deplanatum Lister. 5.  
\* asteroides Lister. 2, 5.**Didymium**—\* dubium Rost. 2.  
difforme (Pers.) Duby. 2.  
melanospermum (Pers.) Macbr. 1,  
2, 5, 7, 9.nigripes Fr. 1, 2, 5, 9.  
clavus (A. & S.) Rost. 2.  
squamulosum (A. & S.) Fr. 1, 2.**Mucilago**—

spongiosa (Leysser) Morg. 2, 7.

**Lepidoderma**—

tigrinum (Schrad.) Rost. 2, 7.



**Leptoderma**—

\* *iridescens* G. Lister. 2, 7.

**Colloderma**—

*oculatum* (Lippert) G. Lister. 2, 7.

**Stemonitis**—

*fusca* Roth. 1, 2, 5, 6, 7, 9.  
*flavogenita* Jahn. 7.

*confluens*, Cooke & Ellis. 7.

**Comatricha**—

*nigra* (Pers.) Schroet. 1, 2, 5, 7, 9.  
\* *laxa* Rost. 2, 7.  
\* *pulchella* (Bab.) Rost. *var. tener-*  
*rima* Lister. 2.

*typhoides* (Bull.) Rost. 2.  
*var. heterospora* Rex. 6, 7.  
\* *rubens* Lister. 2.  
\* *lurida* Lister. 2.

**Enerthenema**—

*papillatum* (Pers.) Rost. 2, 6.

**Lamproderma**—

*echinulatum* Rost. 2.  
*columbinum* (Pers.) Rost. 2.

*violaceum* (Fr.) Rost. 7.  
\* *insectum* G. Lister. (sp. nov.) 1.

**Amaurochæte**—

*fuliginosa* (Sow.) Macbr. 9.

**Brefeldia**—

*maxima* (Fr.) Rost. 1.

**Lindbladia**—

*effusa* (Ehrenb.) Rost. 7.

**Cribraria**—

*argillacea* Pers. 9.  
*macrocarpa* Schrad. 2.

*rufa* (Roth) Rost. 7.  
*aurantiaca* Schrad. 9.

**Dictydium**—

*cancellatum* (Batsch) Macbr. 7, 9.

*var. fuscum* Lister. 7.

**Licea**—

*flexuosa* Pers. 1, 6, 7, 9.  
*pusilla* Schrad. 7.

*minima* Fr. 7.

**Enteridium**—

*olivaceum* Ehrenb. 1, 2.

**Tubifera**—

*ferruginosa* Gmel. 1, 2, 5, 7, 9.

**Lycogala**—

*epidendrum* (L.) Fr. 1, 2, 5, 6, 7.

**Trichia**—

*persimilis* Karsten. 1, 2, 6, 7, 9.  
*verrucosa* Berk. 1, 2.  
*contorta* (Ditm.) Rost. 2, 7.

*varia* Pers. 1, 2, 4, 5, 6, 7, 9.  
*decepiens* (Pers.) Macbr. 1, 5, 7, 9.  
*Botrytis* Pers. 1, 2, 5, 6, 7, 9.

**Arcyria**—

*ferruginea* Saut. 1.  
*denudata* (L.) Sheldon. 1, 2, 5.  
*incarnata* Pers. 1, 2, 5, 7, 9.

*cinerea* (Bull.) Pers. 1, 2, 6.  
*nutans* (Bull.) Grev. 6.

**Lachnobolus**—

\* *congestus* (Somm.) Lister. 7  
 (Aviemore).

**Perichæna**—

*corticalis* (Batsch) Rost. 1, 7.

**Margarita**—

*metallica* (B. & Br.) Lister. 7.

**Dianema**—

\* *depressum* Lister. 6.

*corticatum* Lister. 2, 7, 9.

**Hymenobolus**—

*parasiticus* Zukal. 2.

## ADDITIONAL RECORDS OF SCOTTISH CRYPTOGAMIC PLANTS, 1912.

### PUBLISHED SOURCES OF RECORDS.

- I. Transactions of the British Mycological Society, Vol. III, Part 5 (4th May 1912).
- II. The Glasgow Naturalist, Vol. IV. (1912).
- III. Do. do. Vol. V., No. 1 (Nov. 1912).
- IV. The Scottish Botanical Review (1912).

### MUSCI.

- Dicranum schisti*, Lindb.—Clyde. Glen Falloch (at 300 feet); J. G. Robertson (II., 134).
- Leucobryum pumilum*, Michx.—West Ross. On debris of the Torridon Sandstone; Gairloch; 20th September 1911; James Stirton, M.D. (II., 130; IV., 48, 89).
- Fissidens incurvus*, Starke.—West Ross. Kyleakin, Skye (c. fr.); Gerald S. Hoole (IV., 48).
- Grimmia rubescens*, Stirt. (sp. nov.).—West Ross. Gairloch; J. Stirton, M.D. (IV., 90).
- G. undulata*, Stirt. (sp. nov.).—West Ross. Gairloch; J. Stirton, M.D. (IV., 92).
- Barbula gracilis*, Schwæg.—Tay. On quartzose gneiss rocks, in Glen Phee, Clova; October 1911; Margaret Corstorphine (IV., 46).
- B. incavata*, Stirt. (sp. nov.).—Argyle. Near seashore; Onich, Loch Linnhe; J. Stirton, M.D. (IV., 94).—West Ross. Near seashore; Gairloch; *Ibid.*
- Philonotis rigida*, Brid.—Forth. Aberfoyle; May 1911; James M'Andrew (III., 42; IV., 117).
- Bryum elegantulum*, Stirt. (sp. nov.).—West Ross. In woods in Lovedale, near Gairloch; J. Stirton, M.D. (IV., 93).
- Eurhynchium rusciforme var. atlanticum*, Brid.—Clyde. Arran (III., 42).
- Plagiothecium Mullerianum*, Schp.—Argyle. Fertile specimens obtained at Onich, Loch Linnhe, in 1909; J. Stirton, M.D. (IV., 93).
- Hypnum cupressiforme var. tectorum*, Brid.—Clyde. Blackwaterfoot. Arran (III., 42).

## FUNGI.

- Grandinia crustosa*, Fr.—Clyde. On pores of *Polystictus versicolor* in Caldwell Woods, Beith, Ayrshire; October 1912; R. B. Johnstone (III., 40).
- Pistillaria micans*, Fr.—Clyde. On dead stems of *Scuccio sarracenicus* on Banks of River Garnock near Kilwinning, Ayrshire; D. A. Boyd (II., 124).
- Taphridium umbelliferarum* (Rostr.) Lagerh. and Juel.—Clyde. On living *Heracleum Sphondylium* at Rosneath, Dumbartonshire; June 1908; D. A. Boyd (I., 366; II., 124).
- Ryparobius dubius*, Boud.—Tay. On grouse dung in Inver Woods, Dunkeld; 28th October 1911; C. M'Intosh (I., 379).
- Mitruula sclerotipus*, Boud.—Tay. On boggy ground near Perth; 5th November 1911; J. Menzies (I., 379).
- Hypoerea pulvinata*, Fekl.—Tay. On decaying pilei of *Polyporus betulinus* at Inver, Dunkeld; 14th July 1911; C. M'Intosh (I., 380).
- Diaporthe* (Chorostate) *strumella* (Fr.) Fekl.—Clyde. On dead branches of *Ribes Grossularia* at West Kilbride, Ayrshire; D. A. Boyd (II., 125).
- D.* (C.) *salicella* (Fr.) Sacc.—On dead branches of *Salix fragilis* at West Kilbride; *Ibid.*
- D.* (Tetrastaga) *Wibbei*, Ntke.—Clyde. On dead branches of *Myrica Galv* in Glen Lean, Cowal, Argyleshire; *Ibid.*
- Phyllosticta mahoniana*, Sacc.—Solway. On *Mahonia aquifolia* at Cumloden, Minnigaff, Kirkeudbrightshire; 23rd September 1909.—Clyde. On same host at Lanfine, Galston, Ayrshire (I., 367; II., 125).
- Rabenhorstia tiliæ*, Fr.—Clyde. On dead branches of *Tilia* in Campsie Glen, Stirlingshire (II., 125).
- Pestalozzia Guepini*, Desm.—Clyde. On a leaf of *Camellia* at Rosneath; *Ibid.*
- Ramularia aromatica* (Sacc.) Von Höhnel.—Clyde. On fading leaves of *Acorus Calamus* at Pereeton, Ayrshire; September 1911; D. A. Boyd (I., 369; II., 125).
- R. geranii*, Fekl.—Clyde. On *Geranium sanguineum* at Portinercross, Ayrshire; August 1911. *Ibid.*
- R. heraelei* (Oud.) Sacc.—Clyde. On *Heracleum Sphondylium* at West Kilbride; August 1911 (I., 370; II., 125).
- R. knautiæ* (Massal.) Bub.—Clyde. On *Scabiosa succisa* at West Kilbride; *Ibid.*—Forth. On same host near Bridge of Allan, Stirlingshire; D. A. Boyd (I., 370).
- R. lamiicola*, Massal.—Tay. On *Lamium album* near Crieff, Perthshire; September 1910; *Ibid.*
- R. plantaginea*, Sacc. and Berl.—Tay. On *Plantago lanceolata* at Crieff; September 1910; D. A. Boyd (I., 371).
- R. scrophulariæ*, Fautr. and Roum.—Clyde. On *Scrophularia nodosa* near Dundonald, Ayrshire; September 1911; D. A. Boyd (I., 372; II., 126).



