

A CONTRIBUTION TOWARDS A LIST OF BUTESHIRE MICROFUNGI.

By D. A. BOYD, Corresponding Member.

The genial climate and varied physical features of Buteshire afford conditions exceptionally favourable to the development of plant life, particularly among the lower orders of the Cryptogamia. Except as regards the ferns and mosses, however, very little has hitherto been done to investigate the cryptogamic flora of the district, or to collect and arrange in systematic order the scattered records which have from time to time appeared in the pages of various scientific journals. This has doubtless been due in some measure to the comparative remoteness of the Buteshire islands from the larger towns on the mainland, and the considerable amount of time necessarily involved in the double journey across the intervening waters of the Firth. No apology therefore is needed for the present list. It is submitted with the view of showing the actual amount of existing information on the subject, and also in the hope that it may stimulate further research, so as to lead ere long to the publication of a fairly complete catalogue of the micro-fungi of the Clyde isles.

With a few exceptions, the species referred to in the list have all been noted at excursions of naturalists' societies to Buteshire, or observed in the course of brief visits by the compiler himself to one or other of the islands. On all such occasions, however, the amount of time available was too short to admit of search being made for the more minute and less conspicuous forms. These are accordingly very imperfectly represented in the list, while, for the same reason, the

more conspicuous parasitic rusts, moulds, mil-lews, &c., appear to be disproportionately numerous. Among the common species omitted are many which can be observed only at particular seasons of the year, and were not obtainable when the information recorded in the list was being compiled. Judging from the very favourable natural conditions prevailing in the localities visited, there can be no doubt that a more careful and leisurely search, continued throughout the year, would reveal the presence of many other interesting forms, and enable the list to be very largely added to.

To avoid frequent repetition, the names of localities from which records have been derived are grouped under the respective parishes, and are not afterwards particularly referred to, unless in relation to species notable either for their rarity, or as recent additions to the British fungus-flora, or which have been recorded on the authority of other mycologists. The following are the parishes of Buteshire, and the respective localities from which recorded species have been reported :—

ARRAN—

1. KILMORY.—Loch Ranza (west side), Machrie Bay;
2. KILBRIDE.—Whiting Bay, Glencasdale, Lamlash, Corriegills, Brodick, Goatfell;

BUTE—

3. KINGARTIL.—Kilchattan Bay and neighbourhood, Dunagoil Bay, St. Blane's Chapel;
4. ROTHESAY.—Shore northward from Scalpsie Bay, North-east end of Loch Fad (Kirk Dam);
5. NORTH BUTE.—Shore northward from Port-Bannatyne, Ettrick Bay, Kyles of Bute to Shalunt;

CUMBRAE—

6. CUMBRAE.—Neighbourhood of Millport, and round the shores of the island.

The above numbers prefixed to the parochial names

afford a convenient means of indicating the respective parishes, and have been so employed throughout the list.

LIST OF MICROFUNGI, WITH LOCALITIES.

PHYCOMYCETES.

Except where otherwise stated, the microfungi in this group noted as occurring on flowering-plants are parasitic on the living leaves.

- Mucor stercoreus* (Tode) Link. On dung. 6 (*Hennedy Herbarium*).
- Phytophthora infestans* (Mont.) De Bary. The fungus of the Potato-disease was not actually observed, but is understood to be common in Arran, Bute, and Cumbræ.
- Plasmopara nivea* (Ung.) Schröt. On Goutweed and other umbelliferous plants. 1, 2, 3, 4.
- P. densa* (Pers.) Schröt. On Bartsia and Yellow-rattle. 4.
- Bremia lactucæ*, Regel. On Groundsel. 4.
- Peronospora calotheca*, De Bary. On Goose-grass or Cleavers (*Galium Aparine*). 1, 4.
- P. alsinearum*, Casp. On Chickweed. 4.
- P. arenariæ* (Berk.) Tul. On Sea-purslane. 5.
- P. obovata*, Bon. On Field Spurrey. 4.
- P. affinis*, Rossm. On Fumitory. 6 (Millport).
- P. trifoliorum*, De Bary. On White Dutch Clover, Alsike Clover, and Zigzag Trefoil. 2, 4, 6.
- P. grisea* (Ung.) De Bary. On Brooklime. 6.
- P. effusa* (Grev.) Rabh. On Orache. 4.
- P. candida*, Fckl. On Primrose. 2.
- P. alta*, Fckl. On Greater Plantain. 1, 4, 6.
- Synchytrium stellaris*, Fckl. On stems and leaves of Chickweed. 3, 6.
- S. aureum*, Schröt. On Ribwort Plantain. 3.
- Pycnochytrium mercurialis* (Lib.) Schröt. Forming warts on stems and leaves of Dog-Mercury. 2, 3.
- Protomyces macrosporus*, Unger. Forming swellings on petioles of Goutweed. 2, 3, 4, 5, 6.

USTILAGINEÆ.

In this group are included the "smuts" and allied

parasitic fungi. Unless otherwise stated, the species noted occur on the leaves of the respective host-plants mentioned in the list.

- Ustilago longissima* (Sow.) Tul. On Floating Manna-grass. 6.
- U. avenæ*, Jensen. In inflorescence of Oats, which it affects with "smut" and renders abortive. 1, 3, 5, 6.
- U. violacea* (Pers.) Wint. In anthers of Ragged Robin. 6.
- This species often occurs in anthers of Red Campion and Lesser Stitchwort.
- Tilletia decipiens* (Pers.) Körn. On Fine Bent-grass (*Agrostis vulgaris*), causing the affected plants to become much dwarfed in size, and filling the ovaries with a mass of dark-coloured spores which emit when rubbed a disagreeable odour like that of rotten fish. 1, 2, 3, 5, 6.
- T. striæformis* (West.) Magnus. On Soft-grass (*Holcus mollis*). 4.
- Urocystis anemones* (Pers.) Wint. On Creeping Buttercup. 3.
- Entyloma ranunculi* (Bon.) On Lesser Celandine. 4.
- E. Trailii*, Mass. On Scentless May-weed. 3 (Dunagoil Bay).
- E. achillæ*, Magn. On Yarrow. 3 (St. Blane's Chapel; only known record for Britain).
- Entorrhiza Aschersoniana*, De Toni. Forming white gall-like growths on roots of Toad-rush. 4 (Kirk Dam).

UREDINEÆ.

In this group are included the numerous parasitic microfungi which occur as "cluster-cups," "rusts," or "brands," on the leaves or stems of many species of flowering-plants and several species of ferns.

- Uromyces limonii* (DC.) Wint. On Sea-pink. 1, 3, 4, 5, 6.
- U. polygoni* (Pers.) Fckl. On Knotgrass. 4, 6.
- U. geranii* (DC.) Otth. On Meadow Cranesbill. 5.
- U. valerianæ* (Schum.) Fckl. On Valerian. 4.
- U. rumicis* (Schum.) Wint. On Sorrel and Broad-leaved Dock. 3, 4, 5, 6.
- U. alchemillæ* (Pers.) Lév. On Lady's mantle. 4.
- U. behenis* (DC.) Ung. On Sea-campion. 3.

- U. ficariæ* (Schum.) Lév. On Lesser Celandine. 2.
Puccinia calthæ, Link. On Marsh Marigold. 3, 6.
P. violæ (Schum.) Wint. On Wood Violet. 1, 2, 3, 6.
P. menthæ, Pers. On Water-mint in ditches. 1, 2, 3, 4, 5, 6.
P. primulæ (DC.) Duby. On Primrose. 2.
P. saniculæ, Grev. On Wood Sanicle. 2.
P. rubigo-vera (DC.) Wint. On *Holcus* and various Grasses.
 1, 2, 3, 4, 5, 6.
P. poarum, Neils. Cluster-cups on Coltsfoot. 5, 6.
P. caricis (Schum.) Wint. Cluster-cups on Nettle-stems. 2,
 4, 6.
P. paludosa, Plow. Cluster-cups on Marsh Lousewort. 4
 (Kirk Dam).
P. obtegens (Link) Tul. On Field Plume-thistle. 3, 4, 5, 6.
P. hieracii (Schum.) Wint. On Marsh Plume-thistle. 5, 6.
P. centaureæ, Mart. On Black Knapweed. 1, 4, 5, 6.
P. polygoni, Pers. On Amphibious Bistort. 1, 6.
P. oblongata (Link) Wint. Rust-spores on Wood-rush
 (*Luzula*). 1, 2, 3, 4, 6.
P. Baryi (B. & Br.) Wint. Rust-spores on False Brome-
 grass (*Brachypodium*). 2, 6.
P. anthoxanthi, Fckl. On Sweet Vernal-grass. 4 (Scalpsie
 Bay).
P. umbilici, Guép. On Wall Pennywort. 2 (Invercloy).
P. bunii (DC.) Wint. On Earthnut. 2.
P. glomerata, Grev. On Ragwort. 3, 4, 6.
P. chrysosplenii, Grev. On Opposite leaved Golden-Saxi-
 frage. 6 (Fintry Bay).
P. malvacearum, Mont. On Mallows and Hollyhock. 2
 (Dippen. *W. Stewart*).
P. circææ, Pers. On Enchanter's Nightshade. 2.
P. annularis (Strauss) Wint. On Wood-Sage. 3, 6.
Triphragmium ulmariae (Schum.) Link. On Meadow-sweet.
 2, 3.
Phragmidium violaceum (Schultz) Wint. On Bramble. 1, 2,
 3, 5, 6.
Ph. subcorticatum (Schrank) Wint. On Rose. 3.
Ph. rubi idæi (Pers.) Karst. On Rasp. 1, 2.
Melampsora farinosa (Pers.) Schröt. On various Willows.
 1, 2, 3, 6.

- M. hypericorum* (DC.) Schröt. Rust-spores on Tutsan St.
 John's-wort. 2, 6.
Melampsorium betulinum (Pers.) Kleb. On Birch. 2, 6.
Melampsorella caryophyllacearum (DC.) Schröt. Rust-spores
 on Common Mouse-ear Chickweed. 4.
Pucciniastrum circææ (Schum.) Schröt. On Enchanter's
 Nightshade. 2, 6.
P. vaccinatorum (Link) Diet. Rust-spores on Blaeberry. 2.
Milesia polypodii, B. White. On pinnules of Hard-Fern. 1, 2.
Coleosporium tussilaginis (Pers.) Kleb. On Coltsfoot. 4, 6.
C. campanulæ (Pers.) Lév. Rust-spores on Common Blue Bell-
 flower. 6.
C. euphrasie (Schum.) Wint. On Eyebright, Bartsia, and
 Yellow-rattle. 1, 2, 3, 5, 6.

DISCOMYCETES.

In this group are included various well-known forms of "cup-fungi," along with a very large number of other species, mostly of minute size, and often of elegant shape and bright colour. While a few are true parasites, the vast majority occur in the form of tiny cups or disks on dead bark, wood, twigs, stems, leaves, &c. Many species grow on dung, and some on the ground.

- Exoascus potentillæ* (Farlow) Sacc. Parasitic on stems of
 Tormantil. 2, 3, 4, 5, 6.
E. Tosquetii (West) Sacc. On the upper surface of large
 convex spots on living leaves of Alder. 2, 3, 4.
E. Sadebachii (Johans.) On the lower surface of small con-
 vex spots on living leaves of Alder. 6.
E. aureus (Fr.) Sadeb. On the lower surface of convex spots
 on living leaves of Poplar. 2, 3.
Lophodermium pinastri (Schröd.) Chev. On dead leaves of
 Scots Fir. 1, 2.
L. juniperinum (Fr.) De Not. On dead leaves of Juniper.
 2, 3, 4.
Dichæna quercina (Pers.) Fr. Undeveloped state on living
 bark of Oak. 4.
Trochila craterium, Fr. On dead leaves of Ivy. 2, 4.

- Ephelina prunellæ*, Phil. Parasitic on stems and leaves of Self-heal. 2 (Corriegills).
- Stictis stellata*, Wallr. On dead stems of Hemp-Agrimony. 2 (Corriegills; second British record only).
- Propolis faginea* (Schröd.) Karst. On dead wood. 4.
- Pseudophacidium callunæ*, Karst. On dead branches of Ling Heather. 3 (Blackpark Wood; only two other British localities yet reported).
- Phæangella empetri* (Phil.) Boud. On dead leaves of Crowberry. 4.
- Heterosphaeria patella* (Tode) Grev. On dead stems of *Angelica sylvestris*. 2, 4.
- Scleroderris rubi* (Lib.) Mass. On dead stems of Bramble. 4.
- Orbilina marina* (Phil.) Boyd. On stranded and decaying fronds of *Fucus vesiculosus* and *Ascophyllum nodosum*. 2, 4, 5, 6.
- Ascobolus furfuraceus*, Pers. On cow-dung. 3.
- Pseudopeziza trifolii* (Bern.) Fckl. Parasitic on leaves of White Dutch Clover. 1, 4, 5, 6.
- Ps. calthæ* (Phil.) Mass. Parasitic on leaves of Marsh Marigold. 4.
- Mollisia digitalina*, Phil. On dead stems of Foxglove. 2.
- M. mercurialis* (Fckl.) Sacc. On dead stems of Dog-Mercury. 2.
- Pyrenopeziza rubi* (Fr.) Rehm. On dead stems of Wild Rasp. 2.
- P. arenivaga* (Desm.) Sacc. On dead leaves of Sea Mat-grass. 6.
- Helotium citrinum* (Hedw.) Fr. On dead wood. 4.
- H. scutula* (Pers.) Karst. On dead herbaceous stems. 4.
- H. marchantiæ* (Berk.) Fr., var. *conocephali*, Boyd. On thallus of *Conocephalum conicum*. 2 (Corriegills).
- Sclerotinia tuberosa* (Hedw.) Fckl. Parasitic on rhizomes of Wood Anemone. 6 (Cumbrae. *Hennedy Herbarium*).
- S. Curreyana* (Berk.) Karst. As *Sclerotium roseum*, Kneiff, in dead culms of Common Rush. 1, 2, 5.
- Tapesia fusca* (Pers.) Fckl. On dead branches of Ling Heather. 2.
- Erinella pommeranica*, Ruhl. On dead bark of Scots Fir. 4 (Rothsay. *W. H. Wilkinson*. Only British record).

- F. apala* (B. & Br.) Mass. On dead culms of Common Rush. 4.
- Humaria granulata* (Bull.) Sacc. On cow-dung. 2, 3.
- Rhizina inflata* (Schæff.) Quel. On the ground. 2 (Brodick. *R. B. Johnstone*).
- Helvella elastica*, Bull. On the ground. 3 (Mountstuart. *T. King*).
- Mitrla phalloides* (Bull.) Chev. On decaying leaves, &c., in wet places. 2 (Glenrosa. *W. M'Cutcheon*), 5 (Kames Castle. *R. K. Greville*).
- Microglossum atropurpureum* (Batsch) Karst. Among grass. 2 (Corrie. *Miss Bertha Reid*. Only British record).
- Vibrissea truncorum* (A. & S.) Fr. On dead branches lying in wet places. 2 (Cnocan Burn).

PERISPORIACEÆ.

In their early condition, some of the species in this group occur as "mildews" on the leaves of trees, shrubs, and plants.

- Podosphaera oxyacanthæ* (DC.) De Bary. Parasitic on twigs and leaves of Hawthorn. 2, 5, 6.
- Erysiphe cichoracearum*, DC. Parasitic on leaves of Burdock. 3, 4.
- Microsphaera grossulariæ* (Wallr.) Lév. Parasite on leaves of Gooseberry. 3, 6.
- Asterina veronicæ* (Lib.) Cke. Parasite on leaves of Common Speedwell. 2.

PYRENOMYCETES.

Most of the species in this very extensive group are of small size, and grow on dead trees, plants, &c., but some are true parasites.

- Claviceps purpurea* (Fr.) Tul. The sclerotia occur as "ergots" in ears of various grasses and cereals. "Arran" (*T. King*).
- Epichloe typhina* (Pers.) Tul. Parasitic on stems of various Grasses. 6.
- Hypoxylon fuscum* (Pers.) Fr. On dead branches of Hazel. 2, 6.

- Phyllachora graminis* (Pers.) Fckl. Parasitic on leaves of various Grasses. 2, 3.
Ph. junci (Fr.) Fckl. On culms of Common Rush. 2, 5.
Ph. trifolii (Pers.) Fckl. Parasitic on leaves of White Dutch Clover. 1.
Ph. heraclei (Fr.) Fckl. Parasitic on leaves of Cow-parsnip. 1, 6.
Rhopographus filicinus, (Fr.) Fckl. On dead stems of Bracken. 2, 3, 6.
Stigmatea Robertiani, Fr. Parasitic on leaves of Herb-Robert. 4, 6.
Venturia alchemillæ (Grev.) B. & Br. Parasitic on leaves of Lady's-mantle. 3.
Diaporthe pulla, Ntke. On dead branches of Ivy. 2.
D. rostellata (Fr.) Ntke. On dead stems of Bramble. 2.
D. Wibbei, Ntke. On dead branches of Bog Myrtle. 1.
Clypeosphæria Notarisii, Fckl. On dead stems of Bramble. 6.
Ophiobolus acuminatus (Sow.) Duby. On dead stems of Marsh Plume-Thistle. 2.
Leptosphæria agnita (Desm.) Ces. & De Not On dead stems of Hemp Agrimony. 2.
L. acuta (Moug.) Karst. On dead stems of Nettle. 2, 6.
Læstadia faginea (Awd.) Cke. & Phil. On fallen leaves of Beech. 2.
Sphærella rumicis (Desm.) Cke. Parasitic on leaves of Broad-leaved Dock. 1, 2, 4, 5, 6.
S. iridis, Awd. Parasitic on leaves of Yellow Iris. 2, 6.

SPHÆROPSIDÆÆ.

In the *Sphærospideæ* and *Melanconieæ* are included a very large number of minute fungi, many of which are known to represent early or stylospore stages in the life-history of certain species of Pyrenomycetes, &c. Unless otherwise stated, those mentioned in the list are all parasitic on the leaves of their respective host-plants, where they often produce withered or faded spots.

- Phyllosticta Ioniceræ*, West. On Honeysuckle. 3.
Ph. sambuci, Desm. On Elder. 1, 2, 4, 6.

- Ph. teucarii*, Sacc. & Speg. On Wood-Sage. 3, 6.
Ph. ajugæ, Sacc. & Roum. On Bugle. 6.
Ph. umbilici, Brün. On fading leaves of Wall Pennywort. 4 (Scalpsie Bay. Only another British locality as yet recorded).
Ph. mercurialis, Desm. On fading leaves of Dog-Mercury. 2, 6.
Phoma pulla, Sacc. On dead branches of Ivy. 2 (Corriegills).
Ph. acuta, Fr. On dead stems of Nettle. 2, 6.
Asteroma prunellæ, Purt. On Self-heal. 2 (Corriegills).
Coniothyrium Boydeanum, A. L. Sm. On dead twigs of *Fuchsia*. 2, 3.
Actinonema rosæ (Lib.) Fr. On Rose. 4.
Darlucula filum (Biv.) Cast. Parasitic on rust-spores of *Puccinia oblongata*. 2, 6.
Septoria avellanæ, B. & Br. On Hazel. 2.
S. myricæ, Trail. On fading leaves of Bog Myrtle. 1.
S. stellaris, Rob. & Desm. On fading leaves of Chickweed. 3, 4, 6.
S. hyperici, Desm. On Square-stalked St. John's-wort. 1, 2.
S. quevillensis, Sacc. On Meadow-sweet. 2, 6.
S. tormentillæ, Desm. & Rob. On Tormentil. 2, 4, 5, 6.
S. hydrocotyles, Desm. On Marsh Pennywort. 3, 4, 6.
S. podagrariæ, Lasch. On Goutweed. 2, 4, 5, 6.
S. scabiosicola, Desm. On Devil's-bit Scabious. 1.
S. virgaureæ, Desm. On Golden-rod. 1.
S. lycopi, Pass. On Gipsy-wort. 2.
S. stachydis, Rob. & Desm. On Hedge Woundwort. 5.
S. acetosæ, Oud. On fading leaves of Sorrel. 4 (Kirk Dam; only British record).
S. scabiosicola, Desm. On Devil's-bit Scabious. 1.
S. urticæ, Desm. & Rob. On Nettle. 3.
Phleospora aceris (Lib.) Sacc. On Sycamore. 1, 2, 3, 6.
Leptothyrium periclymeni (Desm.) Sacc. On Honeysuckle. 2, 4.
L. alneum (Lév.) Sacc. & Roum. On Alder. 2, 4.
Melasmia acerina, Lév. On Sycamore. 1, 2, 3, 5, 6.
M. punctata, Sacc & Roum. On Sycamore. 3.
M. salicina, Lév. On Least Willow. 2 (Goatfell).

Actinothyrium graminis, Kunze. On dead culms of Grass. 2 (Goatfell).

Discella carbonacea (Fr.) B. & Br. On dead twigs of Willow. 2, 6.

MELANCONIEÆ.

Glœosporium paradoxum (De Not.) Fckl. On fading or dead leaves of Ivy. 2, 4, 6.

G. betulæ, Lib. On fading leaves of Birch. 4.

G. salicis, West. On leaves of Sallow. 3.

G. ribis (Lib.) Mont. On Red Currant. 5, 6.

G. curvatum, Oud. On Black Currant. 3, 6.

Cylindrosporium ficariæ, Berk. On Lesser Celandine. 4.

Cryptosporium Neesii, Corda, var. *betulinum*, Sacc. On dead bark of Birch. 2 (Corriegills).

Melanconium bicolor, Nees. On dead bark of Birch. 2.

Marssonina juglandis (Lib.) Sacc. On Walnut. 5 (Kames Castle).

M. potentillæ (Desm.) Fisch., var. *tormentillæ*, Trail. On Tormentil. 1. Var. *comari*, Trail. On Marsh Cinquefoil. 4 (Kirk Dam).

M. ægopodii, A. L. Sm. & Ramsb. On fading leaves of Goutweed. 4 (near Rothesay; second British record only).

Septomyxa negundinis, Allesch. On bark of recently dead branches of Sycamore. 1 (Machrie Bay).

Coryneum disciforme, Kze. & Schm. On dead bark of Birch. 2 (Corriegills).

HYPHOMYCETES.

With the exception of four species, all the fungi of this group recorded in the list are parasitic moulds and mildews occurring on the leaves of flowering-plants, shrubs, or trees. The group, however, also includes a large number of moulds and allied forms which grow on dead or decaying branches, stems, leaves, &c. Many of these are very common, but have yet to be recorded for Buteshire.

Oidium erysiphoides, Fr. On various herbaceous plants. 2, 5.

O. aceris, Rabach. On Sycamore. 3.

O. alphitoides, Griff. & Maulb. On Oak. 3, 5.

O. monilioides, Link. On various Grasses. 3.

Ovularia rufibasis (B. & Br.) Mass. On Bog Myrtle. 1.

O. sphæroidea, Sacc. On Greater Bird's-foot Trefoil. 2, 3, 5, 6.

O. obliqua (Cke.) Oud. On Broad-leaved Dock. 1, 2, 3, 4, 5, 6.

Didymaria didyma (Ung.) Schröt. On Creeping Buttercup. 1, 2, 3.

Ramularia violæ, Trail. On Wood Violet. 1, 2, 4, 6.

R. montana, Speg. On Broad Smooth-leaved Willow-herb. 2.

R. heraclei, Sacc. On Cow-parsnip. 1, 2, 4, 5, 6.

R. valerianæ (Speg.) Sacc. On Valerian. 2, 4.

R. knautiæ (Massal.) Bub. On Devil's-bit Scabious. 1, 2.

R. pruinosa, Speg. On Ragwort. 6.

R. centaureæ, Lindr. On Black Knapweed. 5.

R. taraxaci, Karst. On Dandelion. 3, 4.

R. variabilis, Fckl. On Foxglove. 1, 2, 4.

R. obducens, Peck. On Marsh Lousewort. 4 (Kirk Dam).

R. ajugæ, Niessl. On Bugle. 2.

R. plantaginea, Sacc. & Berl. On Ribwort Plantain. 1, 4, 6.

R. pratensis, Sacc. On Sorrel. 1, 2, 3, 4, 5, 6.

R. urticæ, Ces. On Nettle. 1, 4.

Fusicladium dendriticum, Fckl. On Apple. 6.

F. depressum, B. & Br. On *Angelica sylvestris*. 2, 4, 5, 6.

Scolecotrichum sticticum (B. & Br.) Sacc. On Floating Manna-Grass. 2, 3.

Polythrincium trifolii, Kze. & Schm. On White Dutch Clover. 1.

Cercospora ii, Trail. On Marsh Violet. 2.

C. mercurialis, Pass. On Dog-Mercury. 2, 3, 5.

Coniothecium betulinum, Corda. On dead branches of Birch. 2.

Isariopsis carnea, Oud. On Yellow Meadow-vetchling. 4.

Tubercularia vulgaris, Tode. On dead branches. 6.

Ægerita candida, Pers. On dead wood lying in watery places. 4.

Cylindrocolla urticæ, Bon. On dead stems of Nettle. 3, 6.

Fusarium equisetorum, Link. On dead stem of Smooth Water-Horsetail. 4 (Kirk Dam).

*Report of the Council of the Buteshire Natural History
Society to the Seventh Annual General Meeting of the
Society held in the Bute Museum, Battery Place,
Rothesay, on Tuesday, 26th November, 1912, at 8 p.m.*

The programme arranged for last winter was duly carried out, meetings of the society having been held on 28th November, 12th December, 9th and 23rd January, 1st and 20th February and 5th March. The meetings were well attended, the average being 31.

Most of the papers contributed were printed as the Fifth Volume of the Society's Transactions, and a copy sent to each member. Unfortunately Mr Macnair was not able to have his paper on the "Geology of Bute" completed in time to be included in the Transactions, and Dr Brownlee's paper on "Race Distribution in Scotland" arrived after the Volume had been printed. These papers will be included in next year's Volume. The Meteorological Observations made by Mr D. Penney at Glenburn, as tabulated with the assistance of various members, are included in the Transactions.

On 3rd February Mr Macnair conducted an excursion visiting Townhead Sandpit and Quarry, Ambrisbeg, Scalpsie Bay, Dhu Loch and Barone Hill. Several members of the Society attended and the excursion proved most interesting and enjoyable.

The Relief Maps of Bute and Arran have now been completed and are exhibited in the Museum.

The following were elected as ordinary members at or since last Annual Meeting :—

Mr David Stewart, Rothesay.
Mr Alexander Campbell, Rothesay.
Mr A. S. Black, Rothesay.
Mr John Jack, Rothesay.
Dr Jas. Hall, Rothesay.
Mr John M'Kay, jr., Rothesay.
Mr Andrew Barclay, Glasgow.
Mr R. A. Nicol, Rothesay.
Mr James Fairweather, Rothesay.
Mr Bruce Gardner, Museum, Rothesay.
Mr William Maxwell, J.P., Rothesay.
Mr Edward Matthew, M.A., Port-Bannatyne.
Mr J. C. Sinclair, Rothesay.

An abstract of Income and Expenditure for the year is submitted, also a separate report by the Librarian.

Signed in name and by authority of the Council.

I. N. MAHILLI,
President.