

THE FUNGI OF NORTH HOY, ORKNEY-I

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396 fungi are recorded in or around the only indigenous woodland in the Orkney islands.

The island of Hoy is notable as containing the only high ground in the Orkney archipelago, namely the steep-sided flat-topped Ward Hill, 479 m, and adjacent western hills which attain 433 m, as well as for the spectacular Old Red Sandstone sea cliffs along its west coast which are frequented by rock climbers. Archaeologists know it for the unique, rock-cut 2-chambered bronze age tomb in the massive detached sandstone block called the Dwarfie Stane, and for botanists it is important as the site of the sole surviving relic of natural woodland in all the northern isles, at Berriedale. Very old, large bushes of *Fuchsia magellanica* flourishing at Rackwick testify to its mild Atlantic climate, similar to that of the Hebrides.

Berriedale wood, latitude 58° 54' N, is dominated by a close stand of *Betula pubescens* subsp. *odorifera* with subordinate *Salix aurita* and *Salix cinerea* subsp. *oleifolia*. It includes two small clumps of *Populus tremula*, consisting of male trees only, scattered trees of *Sorbus aucuparia*, bushes of *Rosa canina* and a single clump of *Corylus avellana*. Vigorous growth of *Lonicera periclymenum* binds the trees together, and the ground flora is dominated by *Luzula sylvatica*, with clumps of *Athyrium filix-femina*, *Dryopteris borrieri*, *D. dilatata* and *Juncus effusus*. *Calluna vulgaris*, *Erica cinerea*, *Vaccinium myrtillus*, *Pteridium aquilinum*, and *Blechnum spicant* are also plentiful (Prentice & Prentice, 1975; Chapman & Crawford, 1981). There are no native brambles and, though *Rubus saxatilis* is present, especially outside the canopy, it is a straggling plant which carries hardly any fungi. Prentice & Prentice, in addition to a study of the vascular plants, supplied a long list of *Bryophyta* from North Hoy and recorded the presence of 49 lichens but the only basidiomycete they mentioned was an *Omphalina* sp. in the *Botrydina* state. They made no references to non-lichenised ascomycotina. Indeed, there is a remarkable dearth of information about Orkney fungi: Berry (1985) could supply only a short list of 75 microfungi and record the presence of *Agaricus campestris*. Between us we have made seven short visits to North Hoy, six of them including the wood at Berriedale, in May, June, September, and October. None of them coincided with a rich flush of agaricales and it is odd that none of them yielded a single carpophore of an *Amanita*. We have however, collected in Berriedale most of the other common mycorrhizal associates of *Betula* and we feel the following catalogue offers at least a beginning to recording the fungi associated with this interesting and very isolated British woodland and the surrounding moorland. There are two small plantations of conifers in the area, one now largely destroyed by fire, but we have not studied these or included fungi strictly associated with them. Drying kilns incorporated in two old farm buildings indicate corn-growing in the past,

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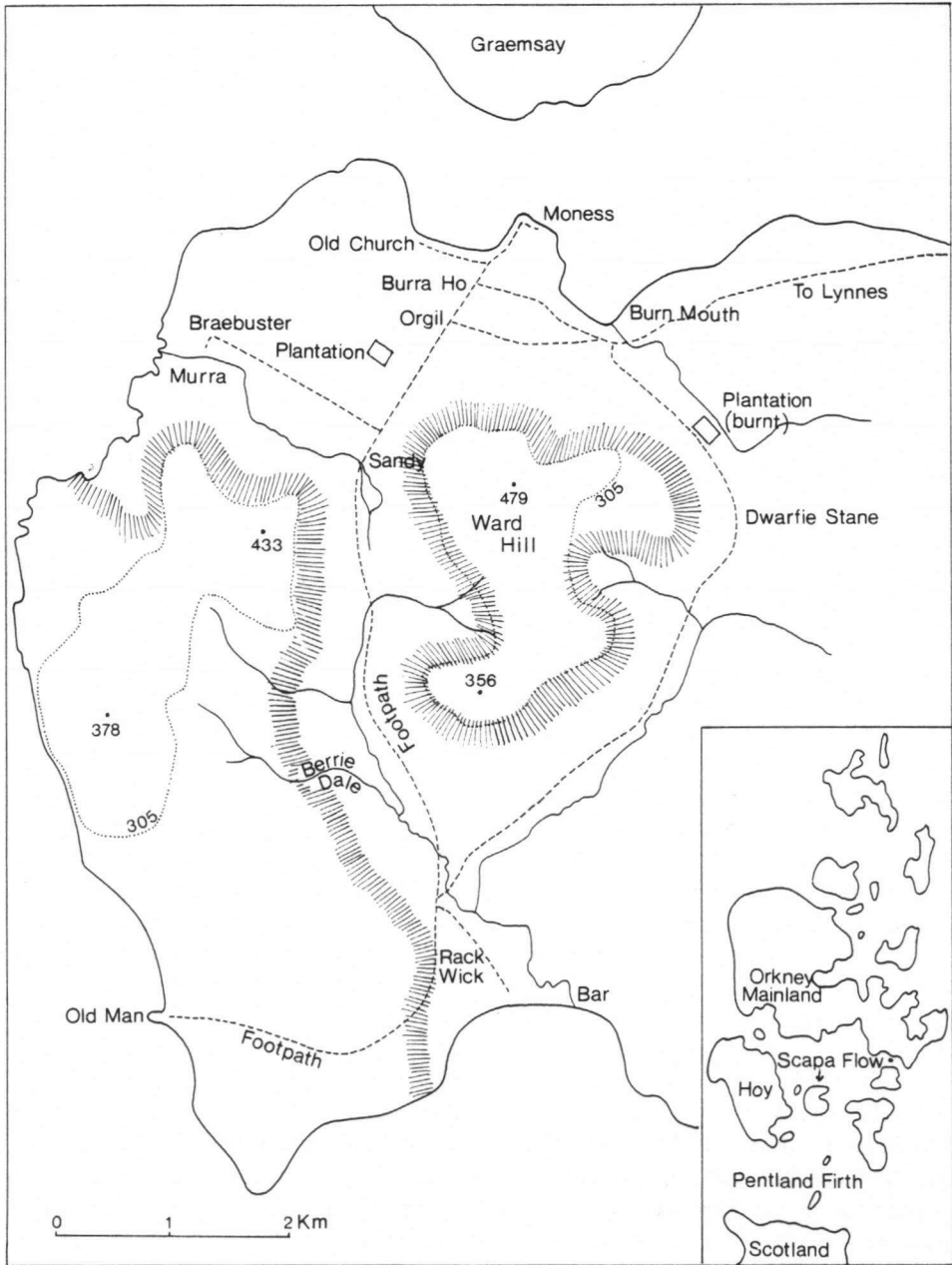


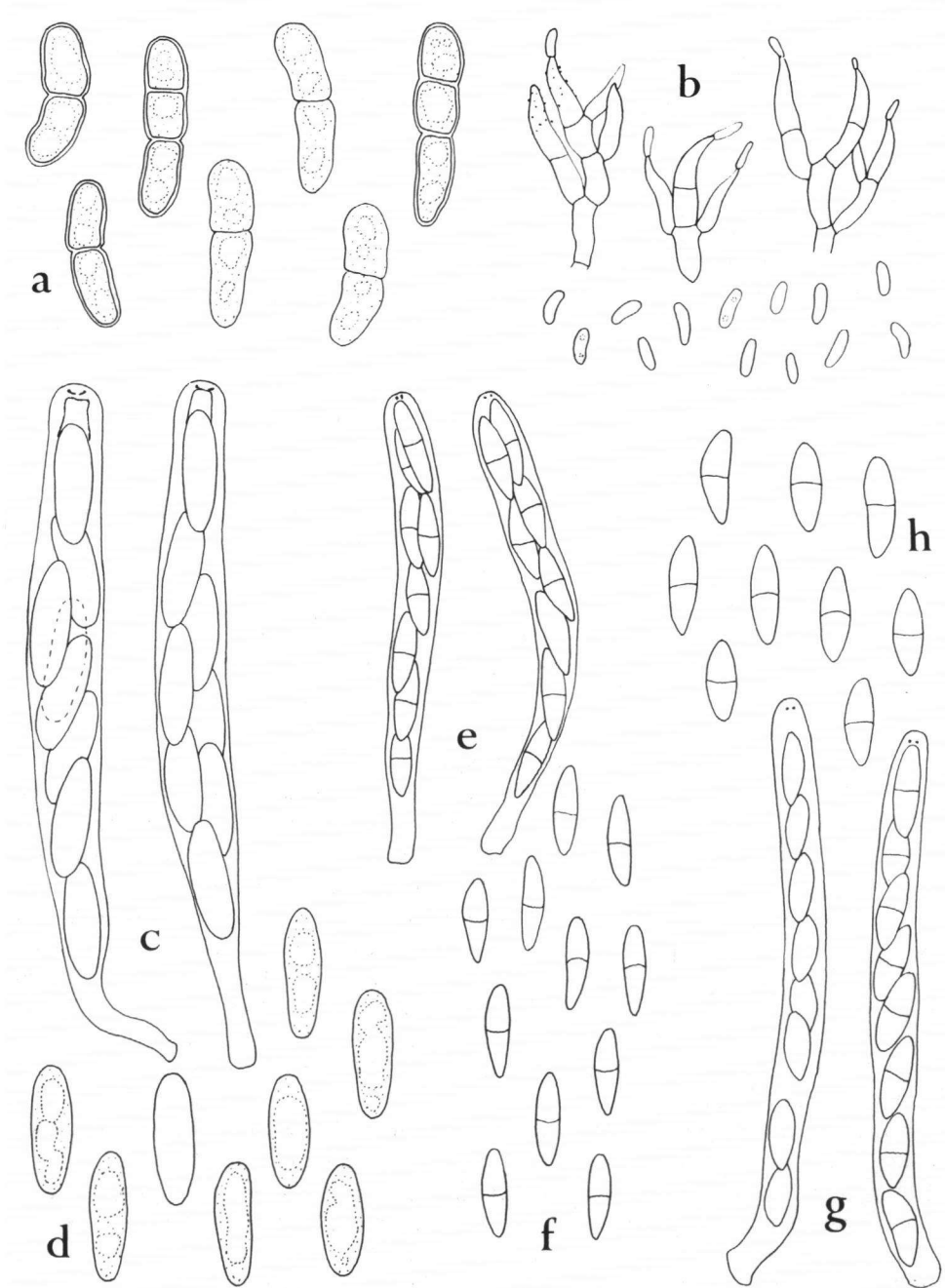
Fig. 1. Map of North Hoy.

but there is little arable activity at present and we have made no observations on farm crops in the area. Apart from the small farms fringing the north coast, the map area is mostly a nature reserve for protection of birds, with only three inhabited houses at Rackwick. To facilitate comparisons between the two archipelagos the fungi are listed in the same order as in Dennis (1986).

The British mycota is still so imperfectly known that even study of an apparently unpromising marginal region like Orkney still yields hitherto unrecorded species. Among these is *Sistotrema dennisii*, kindly determined for us by Prof. L. Ryvarden. The specimen is on a fallen pine cone but, though the type of this species was from litter under pines in Morocco, so that it may be an alien in Hoy, the fungus is not restricted to coniferous substrates. Also new to Britain are *Scutellinia beatrix* Svrček and *S. mirabilis* Diss. & Siv. These are morphologically very similar except with regard to ascospore ornamentation, the latter being easily distinguished by its loosening epispore. Schumacher (1987) treated the former as a synonym of *S. macrospora* (Svrček) Le Gal, but we are not entirely convinced by his argument. Svrček (1971) clearly thought the two species distinct, and we prefer to follow him for the present. *Protoventuria alpina* is also unrecorded from Britain but may have been overlooked because of its minute stature and the alpine habitat of the host, little worked by British mycologists. *Venturia tremulae* is not to be found in the 1985 check list of British Ascomycotina (Cannon & al., 1985) but its anamorph (*Pollacia radiosa* (Lib.) Bald. & Cif.) has long been known here, though mistakenly ascribed to *V. macularis* (Fr.) Muller & v. Arx in a series of publications by Sivanesan (e.g. 1984). The two species have ascospores very different in shape as well as size and the situation has been clarified by Morelet (1985). *Marssonina sorbi*, described from the Tyrol on leaves of *Sorbus aria*, has also not previously been reported from the British Isles. It occurs on fading leaves, and is characterised by epiphyllous, intra-epidermal acervuli which give a blackened appearance to the surface of the host leaf. The species is distinctive, producing characteristic *Marssonina*-like hyaline conidia (Fig. 2a) which measure $19-27 \times 5-7 \mu\text{m}$, and are often somewhat kinked or curved above and 1(-2)-septate. These are interspersed in the same acervulus with ellipso-cylindric, non-septate hyaline conidia, $4-5 \times 1.2-1.5(-2) \mu\text{m}$, produced on branching phialides (Fig. 2b).

The species included here as *Phomatospora* cf. *ovalis* (Fig. 2c, d), on leaves of *Luzula sylvatica*, matches closely the fungus on *Juncus* referred here by Munk (1957). It has smooth, ellipsoid spores which measure $15-18 \times 4.5-5.5 \mu\text{m}$ and are partially biseriolate in rather broad asci measuring $90-94 \times 9.5-10.5 \mu\text{m}$. The spores of *P. arenaria* are similar in size but differ in being more cylindric and in being uniseriate in narrower, cylindric asci. Finally, *Luellia cystidiata* Hauerslev is also the first British record, which we owe to a determination by Dr K.H. Larsson.

Three further species require mention here. *Lepteutypa* cf. *hippophaes*, on bark of *Fuchsia magellanica*, has pale brown, ellipsoid, 3-septate spores measuring $13-18(-21) \times 5.5-6.5(-9) \mu\text{m}$. It is very similar to *L. hippophaes*, described from bark of *Hippophae* with slightly larger spores $18-23 \times 6-9 \mu\text{m}$ (see Shoemaker & Müller, 1965). *Leiosphaerella* spec. nr. *tosta* (Fig. 2e, f) is possibly a distinct and undescribed species, differing from *L. tosta* (Fig. 2g, h) in its narrower spores $11.5-12.5(-14.5) \times 3-3.2 \mu\text{m}$, and shorter, more clavate asci $62-65 \times 6-7 \mu\text{m}$. However, the available material is insufficient to serve as a holotype.



Gaeumannomyces spec. This species, on *Juncus gerardii*, differs notably from others on spore characters. It may be undescribed, but the available material is, in any case, too scanty to serve as a holotype. The fungus is, perhaps, closely allied to *G. tax. spec. 3* of Walker (1980), on *Carex*, but has shorter spores 36–43 × 3.2–3.8 µm.

RECORDS

AGARICALES

- Agaricus arvensis* Schaeff.
Armillaria mellea (Vahl) Kummer
Calocybe gambosum (Fr.) Singer
- Cantharellus infundibuliformis* Fr.
Clitocybe dicolor (Pers.) Lange
C. nebularis (Batsch) Kummer
Conocybe mesospora Kühner
Coprinus comatus (Müll.) Pers.
C. cordisporus Gibbs
C. ephemerus (Bull.) Fr.
C. heptemerus M. Lange & Smith
C. nudiceps Orton
Cortinarius decoloratus (Fr.) Fr.
C. spec.
Cyphellopsis anomala (Pers.) Donk
Flagelloscypha kavinae (Pilát) W.B. Cooke
F. spec.
Galerina hypnorum (Schrank) Kühner
G. pumila (Pers.) Sing.
Hebeloma helodes Favre
H. pusillum J. Lange
Hygrophoropsis aurantiaca (Wulf.) Maire
Hygrophorus (Hygrocybe) coccineus (Schaeff.) Fr.
H. (H.) conicus (Scop.) Fr.
H. (H.) flavescens (Kauffm.) Smith & Hesler
H. (H.) laetus (Pers.) Fr.
- H. (H.) langei* (Kühn.) Pearson
H. (H.) nigrescens (Quél.) Quél.
H. (Camarophyllus) niveus (Scop.) Fr.
H. (H.) quietus Kühner
H. (Cam.) russocoriaceus Berk. & Müller
H. (H.) substrangulatus Orton
H. (H.) unguinosus (Fr.) Fr.
H. (Cam.) virgineus (Wulf.) Fr.
Hypholoma elongatum (Pers.) Ricken
H. polytrichi (Fr.) Ricken
- Breibister, in meadow 16.9.90
 Berriedale, on *Salix cinerea* 13.9.90
 Moness & Rackwick road, roadside grass
 15/16.5.90
 Berriedale, under *Betula* 9.9.88
 Berriedale 4.10.89
 Rackwick, roadside 4.10.89
 Rackwick, pasture 4.10.89
 Lyness road, roadside 16.9.90
 Ward Hill, on vole dung 5.10.89
 Murra, on horse dung May 90
 Murra, on horse dung May 90
 Murra, on horse dung May 90
 Breibister, with *Salix repens* 8.10.89
 Ward Hill summit, with *Salix herbacea* 5.10.89
 Berriedale, on *Populus* 9.9.88
 Sandy Loch road, on *Equisetum* 21.6.87
 Post Office, on *Ulex europaeus* 16.5.9
 Ward Hill, east slope in mossy turf 5.10.89
 Berriedale 9.9.88
 Berriedale, under *Betula* 9.9.88
 Berriedale, under *Salix* 4.10.89
 Rackwick road & Orgil 5/6.10.89
 Breibister, cliff top pasture 6.10.89
 Rackwick, pasture 4.10.89
 Upper Lyness road, in grass 14.9.90
 Rackwick, pasture 4.10.89 Rackwick road, in pasture
 15.9.90
 Lyness road, roadside turf 14.9.90
 Rackwick, in pasture 15.9.90
 Breibister, cliff top pasture 6.10.89
 Breibister, pasture 6.10.89
 Rackwick, roadside grass 4.10.89
 Rackwick, in roadside grass 15.9.90
 Rackwick, in pasture 15.9.90
 Breibister, in meadow 16.9.90
 Rackwick, in pasture 15.9.90
 Berriedale 4.10.89

Fig. 2a–b. *Marssonina sorbi*. — a. Macroconidia. — b. Conidiophores and microconidia. — c, d. *Phoma-
 tospora* cf. *ovalis*. — c. Asci. — d. Ascospores. — e, f. *Leiosphaerella* cf. *tosta*, on *Populus* leaves. — e. Asci. —
 f. Ascospores. — g, h. *Leiosphaerella tosta*, on *Chamaenerion*. — g. Asci. — h. Ascospores. All × 1000.

(AGARICALES)

Hypholoma subericæum (Fr.) Quéf.*H. udum* (Pers.) Kühner*Inocybe parvispora* Alessio*I. umbrina* Bres.*Krombholziella rufescens* (Konrad) Sutara*K. scabra* (Bull.) R. Maire*Laccaria laccata* (Scop.) Cooke*Lachnella villosa* (Pers.) Gill.*Lactarius glyciosmus* (Fr.) Fr.*L. lacunarum* Romagn. ex Hora*L. pyrogalus* (Bull.) Fr.*L. subsericeus* Hora*L. tabidus* Fr.*L. torminosus* (Schaeff.) S.F. Gray*L. turpis* (Weinm.) Fr.*L. vietus* (Fr.) Fr.*Mycena epipterygia* (Scop.) S.F. Gray*M. filipes* (Bull.) Kummer*M. rorida* (Scop.) Quéf.*M. sanguinolenta* (A. & S.) Kummer*Nolanea cetrata* (Fr.) Kummer*N. conferenda* (Britz.) Sacc.*N. sericea* (Bull.) Orton*N. solstitialis* (Fr.) Orton*Omphalina ericetorum* (Pers.) M. Lange*O. hudsoniana* (Jenn.) Bigelow*Panaeolus fimicola* (Fr.) Quéf.*P. retirugis* (Fr.) Gill.*P. (Anellaria) semiovatus* (Sow.) Lundell*Phaeomarasmium erinaceus* (Fr.) Kühner*Psathyrella friesii* Kits v. Wav.*P. gracilis* (Fr.) Quéf.*P. ocellata* (Romagn.) Moser*P. sphagnicola* (Maire) Favre*Psilocybe semilanceata* (Fr.) Kummer*Russula betularum* Hora*R. emetica* (Schaeff.) Pers.*R. gracillima* J. Schaeff.*R. nitida* (Pers.) Fr.*Stropharia semiglobata* (Batsch) Quéf.*Tricholoma columbetta* (Fr.) Kummer*Tubaria furfuracea* (Pers.) Gill.Burnmouth, wet soil with *Salix* 4.10.89; Ward Hill summit, with *Salix herbacea* 5.10.89

Rackwick, in wet pasture 4.10.89

Berriedale, under *Betula* 9.9.88Berriedale, under *Betula* 14.9.88Berriedale, under *Betula* 9.9.88Berriedale, under *Betula* 9.9.88Berriedale, under *Betula* & *Salix* 9.9.88; 4.10.89Burra House, on *Mentha aquatica*, *Inula helenium* & *Iris* 21.6.87Berriedale, under *Betula* 9.9.88Breibister, under *Salix repens* 16.9.90Berriedale, under *Betula* & *Corylus* 9.9.88Berriedale, under *Betula* 9.9.88Berriedale, under *Betula* 9.9.88

Burnmouth, upper road 5.10.89

Berriedale, under *Betula* 9.9.88; 4.10.89Berriedale, under *Betula* 9.9.88; 4.10.89

Orgil, in boggy ground 6.10.89

Berriedale 4.10.89; Orgil 6.10.89

Orgil, on fallen twig 6.10.89

Berriedale, under *Salix* 13.9.90

Berriedale, in moss 9.9.88

Rackwick, in pasture 4.10.89

Breibister, cliff top turf 6.10.89

Ward Hill summit 5.10.89

Berriedale, Ward Hill summit & moors generally

Ward Hill summit 5.10.89

Berriedale & Rackwick, in pastures 4.10.90

Rackwick, in pasture 4.10.89

Rackwick, on dung 4.10.89

Berriedale, on *Salix* 16.6.87Berriedale, under *Betula* 9.9.88

Berriedale 4.10.89

Rackwick, in pasture 4.10.89

Orgil, in boggy pasture 6.10.89

Rackwick, in pasture 4.10.89

Berriedale, under *Betula* 9.9.88Berriedale, under *Betula* 9.9.88 (also with pine, Orgil)Berriedale, under *Betula* 9.9.88Berriedale, under *Betula* 9.9.88

Rackwick & Sandy Loch 4/5.10.89; 15.9.90

Berriedale, under *Betula* 4.10.89Berriedale, under *Betula* & *Salix* 9.9.88

APHYLLOPHORALES

Atheliopsis glaucina (Berk. & Curt.) Parmasto*Clavulina cristata* (Holmsk.) Schroet.*Clavulinopsis helvola* (Fr.) Corner*Gloeocystidiellum luridum* (Bres.) Boidin*Hypoderma roseocremaum* (Bres.) Donk*H. sambuci* (Pers.) JülichBerriedale, on *Betula* & *Populus* 9.9.88; 4.10.89Berriedale, under *Populus tremula* 9.9.88

Rackwick, in pasture 15.9.90

Old Church, on *Ulex* 18.5.90Berriedale, on *Salix* 4.10.89Old Church, on *Acer* 18.5.90

(APHYLLOPHORALES)

- Hyphoderma setigerum* (Fr.) Donk
Incrustoporia nivea (Jungh.) Ryvarden
Luellia cystidiata Hauerslev
Peniophora incarnata (Pers.) Karst.
P. violaceolivida (Sommerf.) Massee
Phanerochaete laevis (Fr.) Erikss. & Ryvard.
P. sordida (Karst.) Erikss. & Ryvard.
Pistillaria typhicola Bourd. & Galz.
Polyporus badius (Pers.) Schwein.
P. varius var. *nummularius* (Bull.) Fr.
Radulomyces confluens (Fr.) Christ.
Schizopora paradoxa (Schröd.) Donk
Scopuloides rimosa (Cooke) Jülich
Sistotrema brinkmanni (Bres.) Erikss.
S. dennisii Malençon
Stereum rugosum (Pers.) Fr.
Tomeniella bryophila (Pers.) M.J. Larsen
Trechispora farinacea (Pers.) Liberta s. str.
T. aff. microspora (Karst.) Liberta
T. stellulata (Bourd. & Galz.) Liberta
Typhula phacorrhiza Fr.

T. quisquiliaris (Fr.) Comer

- Berriedale, on *Betula* 9.9.88
 Old Church, on *Ulex* 18.5.90
 Rackwick Road, on burnt *Salix* 15.5.90
 Old Church, on *Ulex europaeus* 18.5.90
 Berriedale, on *Salix* 20.6.87
 Berriedale, on *Betula* 9.9.88
 Berriedale, on *Betula* 9.9.88
 Sandy Loch road, on *Equisetum* 21.6.87
 Berriedale, on *Salix* 13.9.90
 Burnmouth, on *Salix* 5.10.89
 Berriedale, on *Salix* 4.10.89
 Berriedale on unidentified wood 13.5.
 Berriedale, on *Populus* & *Salix* 9.9.88; 4.10.89
 Berriedale, on *Betula* 9.9.88
 Rackwick road plantation, on litter 5.10.89
 Berriedale, on *Corylus avellana* 4.10.89
 Berriedale, on *Populus* 9.9.88
 Berriedale, on *Luzula sylvatica* 4.10.89
 Berriedale, on *Luzula sylvatica* 4.10.89
 Old Church, on *Thelypteris limbosperma* 18.5.90
 Berriedale, sclerotia on overwintered leaves of *Populus tremula* 13.5.90
 Berriedale, on *Pteridium aquilinum* 9.9.88

LYCOPERDALES

- Calvatia excipuliformis* (Schaeff.) Perdeck
Vascellum pratense (Pers.) Kreisel

- Burnmouth & Rackwick, in pastures 4/5.10.89
 Lyness road, in grass 16.9.90

DACRYMYCETALES

Dacrymyces stillatus Nees

- Orgil, on rotten wood & *Ulex* 6.10.89; Church, on
Ulex europaeus 18.5.90

TREMELLALES

Basidioidendron eyrei (Wakef.) LuckAllen
Myxarium grilletii (Boud.) Reid
Tremella exigua Desm.
T. mesenterica Retz.

- Berriedale, on *Betula* 9.9.88
 Berriedale, on effete perithecia in *Betula* 9.9.88
 Old Church, on *Ulex europaeus* 18.5.90
 Nr. Old Church, on *Ulex europaeus* 14.9.90

UREDINALES

Coleosporium tussilaginis (Pers.) Lév.
Melampsora capraearum Thüm.
M. epitea Thüm.

M. lini (Ehrenb.) Lév.
Melampsorium betulinum (Fr.) Kleb.
Milesina blechni Syd.
M. kriegneriana (Magn.) Magn.
Phragmidium mucronatum (Pers.) Schlecht.

Puccinia acetosae Küm.
P. arenariae (Schum.) Wint.

- Moness, II on *Sonchus oleraceus* 6.10.89
 Berriedale, II on *Salix cinerea* 9.9.88
 Roadside to Sandy Loch, I on *Dactylorhiza purpurella*
 21.6.87
 Rackwick, II & III on *Linum catharticum* 4.10.89
 Berriedale, II on *Betula* 9.9.88
 Berriedale, II on *Blechnum spicant* 4.10.89
 Berriedale, II on *Dryopteris dilatata* 13.5.90
 Burnmouth-Moness road, I on *Rosa* sp. 18.5.90;
 Berriedale II & III on *R. canina* 13.9.90
 Widespread, II on *Rumex acetosa* 4.10.89
 Orgill, III on *Silene dioica* 6.10.89; 15.5.90

(UREDINALES)

Puccinia brachypodii Oth*P. calcitrapae* DC.*P. calthae* Link*P. caricina* DC.*P. chrysosplenii* Grev.*P. dioicae* Magn.*P. elymi* West*P. glomerata* Grev.*P. heraclei* Grev.*P. hieracii* Mart.*P. menthae* Pers.*P. obscura* Schroet.*P. poae-nemoralis* Oth*P. poarum* Niels.*P. primulae* Duby*P. punctata* Link*P. punctiformis* (Strm.) Ruhl.*P. sessilis* Schroet.*P. variabilis* Grev.*P. violae* DC.*Pucciniastrum vaccini* (Wint.) Jörs.*Uromyces acetosae* Schroet.*U. armeriae* Kickx*U. behen* (DC.) Unger*U. dactylidis* Oth.*U. nerviphilus* (Grog.) Hotson

USTILAGINALES

Entyloma ficariae (Berk.) Fisch. v. Waldh.

PEZIZALES

Ascobolus albidus Crouan*Cheilymenia fimicola* (de Not. & Bagl.)

Dennis

Coprobria granulata (Bull.) Boud.*Peziza badia* Pers.*Scutellinia beatrix* Svrček*S. mirabilis* Dissing & Sivertsen*Thecotheus apiculatus* Kimbrough*Thelebolus crustaceus* (Fuck.) Kimbrough

PROTOMYCETALES

Protomyces macrosporus Ung.Berriedale, II on *Brachypodium sylvaticum* 13.9.90Ward Hill, II & III on *Cirsium palustre* 5.10.89Breibister, on *Caltha palustris* 16.9.90Rackwick, II on *Carex binervis* 4.10.89Old Church gulley, III on *Chrysosplenium oppositifolium* 19.5.90Rackwick road, I on *Cirsium palustre* 5.7.90Old Church shore, II on *Elymus arenarius* 21.6.87; 9.9.88; 6.10.89Breibister, on *Senecio aquaticus* 16.9.90Moness, I on *Heracleum sphondylium* 16.5.90Moness, II & III on *Taraxacum* 18.9.90Burra House, I on *Mentha aquatica* 21.6.87Widespread, II on *Luzula sylvatica* 5.7.70; 4.10.89Hoy Church, II on *Anthoxanthum odoratum* 18.5.90Moness, I on *Tussilago farfara* 5.7.70; 21.6.87Widespread, I, II & III on *Primula vulgaris* 21.6.87; 16.5.90; 13.9.90Moness, II & III on *Galium verum* 18.9.90Widespread, II & III on *Cirsium arvense* 5.7.90Burra House, I on *Allium ursinum* 21.6.87 II & III on *Phalaris arundinacea* 18.5.90Murra road, I, II & III on *Taraxacum* 21.6.87Lyness road, II & III on *Viola riviniana* 5.5.70Berriedale, II on *Vaccinium myrtillus* 9.9.88; 4.10.89Lyness road, II & III on *Rumex acetosa* 5.7.70Old Man cliffs, III on *Armeria maritima* 14.9.90Cliff edge, Old Man, I on *Silene maritima* 17.5.90Burra House & Berriedale, I on *Ranunculus ficaria* 21.8.87; 13.5.90Old Church gulley, on *R. acris* 18.5.90Lyness road, III on *Trifolium repens* 5.7.70; 14.9.90

Berriedale, Burra House, Hoy Old Church 21.6.87; 18.5.90

Lyness road, on horse dung 18.9.90

Breibister, on horse dung 16.9.90

Rackwick, on cow dung 4.10.89

Rackwick, on peaty soil 4.10.89

Rackwick-Old Man path, on bare peat 17.5.90

Orgill, on algal mat in dried up pool 16.5.90

Murra on horse dung May 1990

Ward Hill, on vole dung 5.10.89

Burra House, on *Aegopodium podagraria* 21.6.87

TAPHRINALES

Taphridium umbelliferarum (Rostr.)
Lagerh. & Juel
Taphrina betulina Rostr.

Moness, on *Heracleum sphondylium* 21.6.87
Berriedale, on *Betula* 20.6.87

HELOTIALES

Albotricha spec.
Ascocoryne sarcoides (Jacq.) Groves &
Wilson
Belonium nigromaculatum Graddon
Calycellina spec.
Chlorosplenium aeruginascens (Nyl.) Karst.
Cistella fugiens (Buckn.) Matheis
Clavisdisculum grevillei (Berk.) Raitviir
Cyathicula cyathoidea (Bull.) Thüm.

Rackwick, on *Ammophila arenaria* 17.9.90
Berriedale, on *Betula* 9.9.88
Burra House, on *Iris pseudocorus* 21.6.87
Berriedale, on *Salix* 4.10.89
Old Church, on *Fraxinus* 14.9.90
Berriedale, on *Luzula sylvatica* 13.9.90
Burra House, on *Symphytium* 21.6.87
Burra House, on *Ranunculus acris* & *Rumex acetosa*
21.6.87

Durella atrocyanea (Fr.) v. Hohn.

Berriedale, on decorticated wood of *Populus* 13.5.90;
Old Church, on *Ulex* 18.5.90

Geoglossum fallax Durand
G. nigratum Cooke
Heterosphaeria patella (Tode) Grev.
Hyaloscypha fuckelii Nannf. var. *fuckelii*
H. hyalina (Pers.) Boud.
Hymenoscyphus constrictus (Karst.)
H. rhodoleucus (Fr.) Phill.
H. vitellinus (Rehm) O. Kuntze
Hysteronaevia spec.
Hysteropezizella foecunda (Phill.) Nannf.
Karstenia cf. *loniceræ* (Vel.) Sherwood
Lachnellula pulveracea (A. & S.) Dennis
Lachnum acutipilum (Karst.) Karst.
L. apalum (Berk. & Br.) Nannf.
L. cf. brevopilosum Baral
L. diminuens (Rob.) Rehm

Burnmouth, in roadside grass 4.10.89
Rackwick & Dwarfie Stane carpark, 4.10.89
Berriedale, on *Angelica sylvestris* 20.6.87
Old Church, on *Ulex europaeus* 18.5.90
Berriedale, on *Calluna vulgaris* 4.10.89
Burnmouth, on *Salix cinerea* subsp. *oleifolia* 4.10.89
Sandy Loch road, on *Equisetum* 21.6.87
Moness, on *Filipendula ulmaria* 6.10.89
Sandy Loch road, on *Carex panicea* 21.6.87
Dwarfie Stane, on *Trichophorum caespitosum* 5.10.89
Berriedale, on *Salix* 4.10.89
Berriedale, on *Rosa canina* 20.6.87
Burra House, on *Phalaris arundinacea* 21.6.87
Orgill, on *Juncus effusus* 21.6.87
Ward Hill, on *Arctostaphylos* or *Empetrum* 5.10.89
Lyness road, on *Juncus effusus* 5.7.70 Rackwick, on
J. squarrosus 17.5.90

L. fuscescens (Pers.) Karst.
L. imbecille Karst.
L. minutissimum (Crouan) Baral
L. mollissimum (Lasch) Karst.
L. nidulum (Schmidt & Kunze) Karst.
L. nudipes (Fuck.) Nannf.
L. palearum (Desm.) Korf
L. pteridis (A. & S.)
L. pudibundum (Quel.) Schroet.
L. subnudipes Baral (*Dasyoscyphus nudipes*
var. *minor*)
L. sulfureum (Pers.) Karst.
L. virgineum (Batsch) Karst.
Laetinaevia spec.
Microscypha ellisii var. *eriphori* Dennis
M. grisella (Rehm) Sydow
Mitrella paludosa Fr.
Mollisia cf. *cirinuloides* Rehm

Berriedale, on fallen *Salix* leaves 20.6.87
Moors opposite Old Man, on *Eriophorum* 17.5.90
Berriedale, on *Vaccinium myrtillus* 13.5.90
Rackwick Bar, on *Angelica sylvestris* 15.5.90
Burra House, on *Filipendula ulmaria* 21.6.87
Burra House, on *Filipendula ulmaria* 21.6.87
Rackwick Bar, on *Ammophila arenaria* 15.5.90
Berriedale, on *Pteridium aquilinum* 20.6.87
Rackwick road, on *Salix awrita* 15.5.90
Burra House, on *Mentha aquatica* 21.6.87

Moness, on *Urtica dioica* 6.10.89
Hoy Old Church, on *Ulex europaeus* 18.5.90
Berriedale, on *Carex* ? *binervis* 4.10.89
Sandy Loch road, on *Eriophorum* 21.6.87
Berriedale, on *Pteridium aquilinum* 21.6.87
Rackwick road, on rotting *Molinia* in ditch 15.5.90
Rackwick bay, on *Phragmites* 15.5.90

(HELOTIALES)

- Mollisia* cf. *discolor* (Mont.) Phill.
M. fuscostriata Graddon
M. melaleuca (Fr.) Sacc.
M. spec.
M. palustris (Rob.) Karst.
M. pastinacae Nannf.
M. spec.
M. undulato-depressula (Feltgen) Le Gal & Mal.
- Nimbomollisia eriophori* (Kirchn.) Nannf.
Niptera spec.
N. melatephra (Lasch) Rehm
N. cf. submelaena Rehm
N. spec.
- Orbilina alnea* Vel.
O. auricolor (Blox.) Sacc.
O. inflatula Karst.
Pezizella chryso stigma (Fr.) Sacc.
Phaeangellina empetri (Phill.) Dennis
Phialina ulmariae (Lasch) Dennis
Pirottaea cf. exilispora Graddon
P. spec.
Propolomyces versicolor (Fr.) Dennis
- Pseudopeziza trifolii* (Biv. Bern.) Fuck.
Psilachnum acutum (Velen.) Svrček
P. inquilinum (Karst.) Dennis
Sclerotinia curreyana (Berk.) Karst.
S. fockeliana (de Bary) Fuck.
S. globosa (Buckw.) Webster
S. gregoriana Palmer
- Stannaria personii* (Moug.) Fuck.
Tapesia cinerella Rehm
T. fusca (Pers.) Fuck.
T. retincola (Rab.) Karst.
T. rosae (Pers.) Fuck.
Trichobelonium obscurum (Rehm) Rehm
Urceolella crispula (Karst.) Boud.
Vibrissea truncorum Fr.
- Berriedale, on *Sorbus aucuparia* 20.6.87
 Burra House, on *Filipendula ulmaria* 21.6.87
 Berriedale, on *Rosa canina* 9.9.87
 Berriedale, on *Betula* or *Sorbus* 13.5.90
 Burra House, on *Phalaris arundinacea* 21.6.87
 Berriedale, on *Angelica sylvestris* 13.5.90
 Berriedale, on pyrenomycete stromata on *Betula* 13.5.90
 Berriedale, on soaked, rotten wood 13.5.90; small form on *Populus tremula* 9.9.88
 Berriedale, on *Luzula spec.* 4.10.89
 Sandy Loch road, on *Eriophorum* 21.6.87
 Nr Sandy Loch, on *Eriophorum* 21.6.87
 Dwarfie Stane, on *Carex binervis* 5.10.89
 Nr Dwarfie Stane, on *Eleocharis multicaulis*, 1.10.20 leg. *H. Halcro Johnston*.
 Hoy Old Church, on *Ulex europaeus* 18.5.90
 Berriedale, on *Betula* 9.9.88
 Berriedale, on *Betula* 9.9.88; *Sorbus* 4.10.89
 Berriedale, on *Pteridium* 13.9.90
 Berriedale, on *Empetrum* 4.10.89
 Moness, on *Filipendula ulmaria* 4.10.89
 Burra House, on *Silene dioica* 21.6.87
 Burra House, on *Mentha aquatica* 21.6.87
 Berriedale, on bare wood of *Betula*, *Lonicera*, *Rosa* & *Salix* 20.6.87; 13.5.90; Rackwick, on *Fuchsia magellanica* 17.5.90
 Lyness road, on *Trifolium repens* 9.9.88
 Berriedale, on *Luzula silvatica* 20.6.87
 Sandy Loch road, on *Equisetum* 9.9.88
 Orgill, anamorph on *Juncus effusus* 16.5.90
 Sandy Loch road, as *Botrytis cinerea* on *Potentilla* 21.6.87
 Burra House, as *Botrytis globosa* Raabe on *Allium ursinum* 21.6.87
 Dwarfie Stane, apothecia on *Trichophorum caespitosum* 15.5.90
 Sandy Lane road, on *Equisetum* 20.6.87
 Berriedale, on *Calluna vulgaris* 20.6.87
 Berriedale, on *Salix* 20.6.87; Rackwick road, on *Salix aurita* 15.5.90
 Rackwick, on *Phragmites* 15.5.90
 Berriedale, on *Rosa canina* 20.6.87
 Berriedale, on *Calluna vulgaris* 20.6.87
 Burra House, on *Filipendula ulmaria* 21.6.87
 Berriedale, on root of *Salix* in burn 21.6.87

PHACIDIALES

- Arwidsonia empetri* (Rehm) B. Erikss.
Didymascella tetraspora (Phill. & Keith) Maire
Lophodermium apiculatum Duby
L. arundinaceum (Schrad.) Chev.
- Berriedale, on *Empetrum* 4.10.89
 Berriedale, on *Juniperus communis* 13.5.90
 Dwarfie Stane, on *Molinia caerulea* 5.10.89
 Rackwick, on *Elymus arenarius* 21.6.87; on *Ammophila* & *Phragmites* May 90

(PHACIDIALES)

Lophodermium cf. *caricinum* (Rob.) Duby
L. juniperinum (Fr.) de Not.
Propolis phacidioides (Fr.) Corda

Rhytisma salicinum Fr.

Sporomega degenerans (Fr.) Corda
Terriera cladophila (Lm.v.) B. Erikss.

LECANORALES

Dactylospora stygia (Berk. & Curt.) Haf.

OSTROPALES

Stictis radiata Pers.

CLAVICIPITALES

Claviceps purpurea (Fr.) Fr.

SPHAERIALES

Anthostomella fuegiana Speg.
A. lugubris (Rob. & Desm.) Sacc.
A. phaeosticta (Berk.) Sacc.

Apiocrea chrysosperma (Tul.) Syd.
Chaetosphaeria myriocarpa (Fr.) Booth

C. pulviscula (Curr.) Booth
Coniochaeta discospora (Auersw.) Cain
C. spec. (spores 10–11 × 6–7 × 4–5 µm)
Diaporthe eres Nits (*D. incarcerata* (B. & Br.) Nits.)
D. pardalota (Mont.) Fuck.
Diaporthopsis angelicae (Berk.) Wehm.
Diatrypella favacea (Fr.) Sacc.
Eutypa lata (Pers.) Tul.

Gaeumannomyces graminis v. *avenae* (Turn.) Dennis
G. spec.

Gnomonia alniviridis Podlahova & Svrček
G. comari Karst.

G. nervisequa (Wallr.) Fuck.
Hypoxyton multiforme (Fr.) Fr.
Lasiosphaeria caudata (Fuck.) Sacc.
Leiosphaerella cf. *tosta* (Berk. & Br.) Müller
Lepteutypa cf. *hippohaes* (Sollm.) v. Arx
Linosporea capreae (DC.) Fuck.
Nectria cinnabarina (Tode) Fr.
Nectriella dacrymycella (Nyl.) Rehm
Niesslia spec. (Spores 7–9 × 1–1.5 µm)
Phomatospora arenaria Sacc., Bomm. & Rouss.

Nr Sandy Loch, on *Eriophorum* 21.6.87
 Berriedale, on *Juniperus communis* 13.5.90
 Western Hills, on *Arctostaphylos uva-ursi* 21.6.89;
 14.6.90
 Between Burmouthe & Moness, on overwintered leaves
 of *Salix aurita* 14.5.90
 Berriedale, on *Vaccinium myrtillus* 20.6.87
 Berriedale, on *Vaccinium myrtillus* 4.10.89

Old Church, on *Acer pseudoplatanus* 18.5.90
 Rackwick, on *Fuchsia magellanica* 17.5.90

Berriedale, on *Salix* 4.10.89; on *Lonicera* 13.5.90
 Burra House, on *Filipendula ulmaria* 21.6.87
 Gully beside old church, on *Thelypteris limbosperma*
 18.5.90

Rackwick road, on *Molinia caerulea* 5.10.89

Berriedale, on *Luzula sylvatica* 4.10.89
 Rackwick dunes, on *Ammophila arenaria* 14.9.90
 Rackwick Bar, on *Ammophila arenaria* 15.5.90;
 17.9.90

Berriedale, on *Krombholziella scabra* 13.9.90
 Berriedale, on *Betula* 10.6.87
 Old Church, on *Ulex europaeus* 18.5.90
 Berriedale, on *Calluna vulgaris* 20.6.87
 Ward Hill summit, on mountain hare dung 5.10.89
 Berriedale, on grouse dung 13.10.90
 Berriedale, on *Rosa canina* 20.6.87
 Berriedale, on *Lonicera periclymenum* 20.6.87
 Berriedale, on *Angelica sylvestris* 20.6.87
 Berriedale, on *Betula* 20.6.87
 Berriedale, on *Salix* 20.6.87; 4.10.89 on *Lonicera*
 13.5.90

Berriedale, on *Deschampsia caespitosa* 4.10.89
 Moness, on *Juncus gerardii* 18.9.90
 Berriedale, on *Betula* 13.5.90
 Sandy Loch road, on *Potentilla comarum* 21.6.87
 Berriedale, on *Corylus avellana* 20.6.87
 Berriedale, on *Betula* 9.9.88
 Old Church, on *Ulex europaeus* 18.5.90
 Berriedale, overwintered leaf of *Populus* 4.10.89
 Rackwick, on *Fuchsia magellanica* 17.5.90
 Cliff top at Old Man, on *Salix repens* 17.5.90
 Old Church, anamorph on *Acer pseudoplatanus* 18.5.90
 Burra House, on *Iris pseudocorus* 21.6.87
 Old Church bay, on *Elymus arenarius* 21.6.87
 Rackwick dunes, on *Ammophila arenaria* 14.9.90

(SPHAERIALES)

- Phomatospora dinemasporium* Webster
(*Dinemasporium strigosum* (Fr.) Sacc.)
P. cf. ovalis (Pass.) Sacc. s. s Munk
Phyllachora junci (Fr.) Fuck.
P. sylvatica Sacc. & Speg.
Physalospora vitis-idaeae Rehm
Plagiosphaeria immersa (Trail) Petrak
Schizothecium vesticola (Berk. & Br.) Lundq.
Sordaria fimicola (Rob.) Ces. & de Not.
Sydowiella fenestrana (Duby) Petrak
- Xylaria hypoxylon* (L.) Grev.
- Old Church, anamorph on grass 21.6.87
- Berriedale, on *Luzula sylvatica* 13.9.90
Burra House, on *Juncus* 21.6.87
Moness, on *Festuca rubra* 18.9.90
Berriedale, on *Arctostaphylos uva-ursi* 4.10.89
Burra House, on *Urtica dioica* 14.5.90
Ward Hill, on vole dung 5.10.89
Lyness road, on horse dung 18.9.90
Rackwick road, on *Chamaenerion angustifolium*
15.5.90
Berriedale, on *Salix* 4.10.89; 13.5.90

CORONOPHORALES

- Nitschkia grevillei* (Rehm) Nannf.
- Berriedale, on *Sorbus aucuparia* 4.10.89

ERYSIPHALES

- Erysiphe graminis* DC.
- Phyllactinia guttata* (Wallr.) Lmv.
- Sandy Loch road, on *Holcus* 21.6.85;
Moness, on *Agropyron repens* 21.6.87
Berriedale, on *Betula* 9.9.88; 4.10.89

LOCULOASCOMYCETES

- Botryosphaeria dothidea* (Moug.) Ces. & de Not.
Dangeardiella fusiformis Christ
Didymosphaeria arenaria Mouton
D. futilis (Berk. & Br.) Rehm
- Farlowiella carmichaeliana* (Berk.) Sacc.
(*Monotospora megalospora* Berk. & Br.)
- Gibbera myrtilli* (Cooke) Petrak
Gloniopsis praelonga (Schw.) Zogg
Keissleriella fusispora Scheuer
Lembosina gontardii Müller
- Leptosphaeria acuta* (Fr.) Karst.
L. compositarum Müller
L. epicalamia (Riess) Ces. & de Not.
L. eustoma (Fuck.) Sacc.
L. fockelii Niessl
L. herpotrichoides de Not.
L. litoralis Sacc.
L. luctuosa Niessl
L. marram (Cooke) Sacc.
- L. silvatica* Pass.
Lophiostoma angustilabrum (Berk. & Br.) Cke.
L. vagabundum (Sacc.) Chesters & Hall
- Melanomma fusciculatum* Sacc.
M. pulvispyrius (Pers.) Fuck.
Mycosphaerella aspidii (v. Höhn.) Holm
M. lineolata (Rob.) Schroet.
- Berriedale, on *Rosa canina*, all visits
Berriedale, on *Dryopteris dilatata* 20.6.87
Rackwick Bar, on *Ammophila arenaria* 15.5.90
Rackwick road, on *Chamaenerion angustifolium*
15.5.90
Berriedale, anamorph on *Betula* 20.6.87
- Berriedale, on *Vaccinium myrtilloides* 15.5.90
Berriedale, on *Corylus, Lonicera, Rosa, Salix* all visits
Rackwick road, on *Carex binervis* 5.10.89
Berriedale and western hills, on leaves and stems of
Arctostaphylos uva-ursi 21.6.85; 20.6.87; 14.5.90
Burra House, on *Urtica dioica* 14.5.90
Berriedale, on *Scabiosa succisa* 4.10.89
Berriedale, on *Luzula sylvatica* 20.6.87
Berriedale, on *Luzula sylvatica* 20.6.87
Berriedale, on *Deschampsia caespitosa* 13.5.90
Burra House, on unidentified grass 21.6.87
Rackwick Bar, on *Ammophila arenaria* 15.5.90
Breibister, on unidentified grass 16.5.90
Old Church bay, on *Elymus arenarius* 21.6.87 &
18.5.90
Berriedale, on *Brachypodium sylvaticum* 13.9.90
Hoy Old Church, on *Ulex europaeus* 18.5.90
Berriedale, on *Rubus saxatilis* 4.10.89
Moness, on *Filipendula ulmaria* 4.10.89
Berriedale, on *Salix* 4.10.89
Rackwick, on *Fuchsia magellanica* 17.5.90
Berriedale, on *Dryopteris dilatata* 13.5.90
Nr. Sandy Loch, on *Eriophorum* 21.6.87

(LOCULOASCOMYCETES)

Mycosphaerella pseudopsammae Munk*M. vaccinii* (Cooke) Schroet.*Mytilidion acicola* Wint.*M. decipiens* (Karst.) Sacc.*Ophiobolus acuminatus* (Sow.) Duby*O. cirsii* (Karst.) Sacc.*Pleospora herbarum* (Pers.) Rabh.*P. vagans* Niessl*Protoventuria alpina* (Sacc.) Barr*Rhopographus filicinus* (Fr.) Nits.*Splanchnonema scoriadeum* (Fr.) Barr*Sporormiella australis* (Speg.) Cain & Ahmed*S. intermedia* (Auersw.) Ahmed & Cain*Stomiopeltis juniperina* (Grove) Holm*Trichodelitschia bisporela* (Crouan) Fuck.*Venturia ditricha* (Fr.) Karst.*V. rumicis* (Desm.) Wint.*V. tremulae* Aderh.

MUCORALES

Pilobolus kleinii v. Tiegh.

PERONOSPORALES

Albugo tragopogi var. *cirsii* Cif. & Biga*Peronospora ficariae* Tul.*P. minor* (Casp.) Gáum.*P. ranunculi* Gáum.*Phytophthora* cf. *cyperi* (Idato) Ito

SPHAEROPSIDALES

Ascochyta equiseti (Desm.) Grove*A. festucae* Punith.*Coleophoma empetri* (Rostr.) Petrak*Cytospora* cf. *nivea* Sacc.*Diplodia ulicis* Sacc. & Speg.*Diplodina galii* Sacc.*Hendersonia epilobii* Fautr.*H. sarmentorum* Westd.*Leptothyrium vulgare* (Fr.) Sacc.*Marssonina potentillae* (Desm.) Magn.*M. sorbi* (Magn.) Magn.Rackwick Bar, on *Ammophila arenaria* 15.5.90Berriedale, on *Vaccinium myrtillus* 13.5.90Berriedale, on *Juniperus communis* 13.5.90Berriedale, on *Juniperus communis* 20.6.87Murra, on *Cirsium palustre* 21.6.87Rackwick road, on *Cirsium palustre* 15.5.90Moness, on *Tripleurospermum maritimum* 20.6.87Rackwick E. Cliff, on *Carex spec.* & *Plantago*Breibister, on *Iris pseudocorus* 16.5.90 [*maritima*]Moness, on *Festuca rubra* 20.6.87Burra House, on *Cerastium* & *Silene dioica* 21.6.87Summit of western hills, on *Arctostaphylos alpina*
14.5.90Berriedale, on *Pteridium aquilinum* 13.5.90Berriedale, on *Betula* 20.6.87

Ward Hill summit, on mountain hare dung 5.10.89

Ward Hill, on vole dung with the preceding 5.10.89

Berriedale, on *Juniperus communis* needles 20.6.87

Ward Hill, on vole dung 5.10.89

Berriedale, on *Betula* 13.5.90Moness, on *Rumex spec.* 5.7.70Berriedale, on overwintered leaf of *Populus* 13.5.90& as anamorph *Pollaccia radiosa* (Lib.) Bald. &

Cif. 20.6.87

Breibister, on horse dung 16.9.90

Burnmouth, on *Cirsium palustre* 18.5.90Berriedale, on *Ranunculus ficaria* 13.5.90Old Church bay, on *Atriplex* seedlings 18.5.90Burnmouth, on *Ranunculus acris* 5.7.70; on *R. flammula* 18.5.90Breibister, on *Iris pseudocorus* 16.9.90Dwarfie Stane, on *Equisetum fluviatile* 5.10.89Moness, on *Festuca rubra* 20.6.87Berriedale, on *Empetrum* 4.10.89Western hills, on *Arctostaphylos uva-ursi* 14.5.90Berriedale, on *Populus tremula* 20.6.87Old Church, on *Ulex europaeus* 18.5.90Moness, on *Galium aparine* 20.6.87Rackwick road, on *Chamaenerion angustifolium*
15.5.90Rackwick, on *Festuca magellanica* 17.5.90Rackwick road, on *Chamaenerion angustifolium*
15.5.90Berriedale & Rackwick, on *Rubus saxatilis* 4.10.89Sandy Loch road, on *Potentilla erecta* 21.6.87Berriedale, on *Sorbus aucuparia* 13.9.90

(SPHAEROPSISDALES)

Neophoma graminella (Sacc.) Petrak & Syd.
Phoma complanata (Tode) Desm.
P. herbarum Westd.

Phyllosticta lonicerae Westend.
Pseudoseptoria stomaticola (Bauml.) Sutton
Pycnothyrium junci Grove
P. litigiosum (Desm.) Died.
Septoria gei Rob. & Desm.
S. scabiosicola Desm.
Septoriella junci (Desm.) Sutton
Sphaerellopsis filum (Biv. Bern.) Sutton
Stagonospora arenaria Sacc. var. *minor* Trail
S. caricis (Oud.) Sacc.
S. elegans (Berk.) Sacc. & Trav.
S. luzulae (Westend.) Sacc.
S. subseriata (Desm.) Sacc.
Tiarospora perforans (Rob.) v. Höhn
Tiarosporella paludosa (Sac. & Fiori) v. Höhn.

HYPHALES

Arthrinium arundinis (Cda) Dyko & Sutton
Arthrotrrys superba Corda
Bactrodesmium cf. *biformatum* (v. Höhn.) Hughes
Chalara pteridina Syd.
Cladobotryum verticillatum (Link) Hughes
Cladosporium herbarum Link
Graphium calicioides (Fr.) Cke. & Masee
Isariopsis carnea Oud.
Mastigosporium album Reiss
M. rubricosum (Dearn. & Barth.) Nannf.
Menispora ciliata Corda
Myrothecium cf. *roridum* Tode
Ovularia primulana Karst.
Periconia cookei Mason & Ellis
P. hispidulum (Pers.) Mason & Ellis
Ranularia aequivoca (Ces.) Sacc. f. *ranunculi-acris*
 Mass.
R. calthae (Erikss.) Lindr.
R. pratensis Sacc.
R. rubella (Bon.) Nannf.
Sarcopodium circinatum Ehrenb.
Sclerotium spec.
Stachybotrys atra Corda
Thyrostromella myriana (Desm.) v. Höhn
Trimmatostroma betulinum (Corda) Hughes
Triposporium elegans Corda
Volutella ciliata (Alb. & Schwein.) Fr.

Cliff at Old Man, on *Anthoxanthum odoratum* 17.5.90
 Berriedale, on *Angelica sylvestris* 4.10.89
 Burra House, on *Urtica dioica* 14.5.90
 Burnmouth-Moness road, on *Symphytum* 14.5.90
 Berriedale, on *Lonicera periclymenum* 13.9.90
 Burra House, on *Dactylis glomerata* 14.5.90
 Orgill, on *Juncus effusus* 16.5.90
 Berriedale, on *Pteridium aquilinum* 20.6.87
 Berriedale, on *Geum rivale* 13.9.90
 Rackwick road, on *Succisa pratensis* 14.9.90
 Sandy Loch road, on *Juncus* 20.6.87 & 21.6.87
 Moness, on *Uredo* spec. on *Holcus* 21.6.8
 Old Church bay, on *Elymus arenarius* 18.5.90
 Berriedale, on *Carex binervis* 13.5.90
 Rackwick, on *Phragmites* 15.5.90
 Berriedale, on *Luzula sylvatica* 13.9.90
 Dwarfie Stane, on *Molinia caerulea* 5.10.89
 Rackwick Bar, on *Ammophila arenaria* 15.10.90
 Dwarfie Stane, on *Trichophorum caespitosum* 5.10.89

Rackwick dunes, on *Ammophila arenaria* 14.9.90
 Ward Hill, on vole dung 5.10.89
 Berriedale, on *Stereum rugosum* 13.5.90
 Berriedale, on *Pteridium aquilinum* 20.6.87
 Berriedale, on *Lactarius* spec. 9.9.88
 Ubiquitous on plant debris
 Berriedale, on *Betula* 9.9.88
 Lyness road, on *Lathyrus pratensis* 18.9.90
 Sandy loch road, on *Alopecurus* 21.6.87
 Burra House, on *Dactylis glomerata* 21.6.87
 Old Church, on *Ulex europaeus* 18.5.90
 Sandy Loch road, on *Equisetum* 21.6.87
 Lyness road, Moness & etc., on *Primula vulgaris*
 Burra House, on *Urtica dioica* 14.5.90 [1970–78]
 Sandy Loch road, on *Equisetum* 21.6.87
 Old Church, on *Ranunculus acris* 18.5.90
 Lyness road, on *Caltha palustris* 5.7.70
 Lyness road, on *Rumex acetosa* 5.7.70
 Burnmouth, on *Rumex* spec. 4.10.89
 Sandy Loch road, on *Equisetum* 21.6.87
 Burra House, on *Iris pseudacorus* 21.6.90
 Burra House, on *Urtica dioica* 14.5.90
 Rackwick road, on *Ammophila arenaria* 15.5.90
 Berriedale, on *Betula* 20.6.87
 Moness, on *Filipendula ulmaria* 6.10.89
 Breibister, on *Picea* needle 16.9.90

Species of *Inocybe*, *Lactarius*, *Russula*, *Tricholoma*, and *Tricholomopsis* strictly associated with introduced pines in North Hoy have been omitted from the list.

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