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### 11th NEW ZEALAND FUNGAL FORAY, 5-9 MAY 1997

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&

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We had a great week away from home for the Fungal Foray. The weather was 'Absolutely Positively' marvellous for the whole time, though I must say that the whole country had the driest and warmest autumn on record. The Boys' Brigade Camp at Wainuiomata (near Wellington) was very satisfactory, thanks to a lot of work on the part of Ron Freeston in putting furniture in the right places and liaising with the caretaker. Microscopes from Victoria University were installed in their own workroom, and the nearby kitchen benches used for displaying specimens found, and for setting up the dryers.

The outing on Tuesday took us to the Wainuiomata Catchment Area, where we were dwarfed by the magnificent rimus, ratas and kahikateas. The bush has never been milled, and it must surely be the best piece of lowland forest still remaining in the North Island. Most interesting find here was *Phallobatia alba* (= *Hysterangium lobatum*, type locality Whakatikei Forest Reserve, Paekakriki), a white fungus of jelly-like consistency made up of erect lobed 'fingers'. That evening we saw slides by Ron and Angela Freeston, heard from Peter Johnston about the exotic weed fungi *Amanita muscaria* and *Favolaschia calocera* spreading into native forests and his proposal to map their progress, and Peter Buchanan spoke about revising the New Zealand polypores with Norwegian expert Leif Ryvardeen.

Next day was to Kaitoke Regional Park at the Pakuratahi River forks. Here was mixed forest and beech forest, again with forest to the ridge-tops. That evening we saw slides of fungi from Don Horne, heard about and saw Norway with Leif Ryvardeen, then saw myxomycete cultures and heard about her work from Ann Bell of Victoria University of Wellington.

The final day saw us torn between an expedition to Butterfly Creek or the Orongorongo Track, with the close proximity of the latter winning out. Again there were many interesting finds to study and photograph. The pessimists who thought that it might be too dry for fungus collecting were partially right, in that we saw some mushrooms shrivelled by the fine weather, but there was plenty to interest still in good condition, including just about all of Geoff Ridley's named species of *Amanita*. Also these collecting grounds were the type collecting areas for species named by Greta Stevenson Cone in her *Kew Bulletin* papers. That evening Heino Lepp told us about Norfolk Island and its fungi, and Peter Austwick showed an interesting collection of fungal books, both antiquarian and modern, and told us about them. Isawa-san had also displayed some of his postcards and magazine illustrations of fungi, including his magnificent close-ups of myxomycetes. Many of us sighed that we couldn't read the Japanese text.

Next years foray will be held at Pureora Forest Park Lodge in the Pureora Forest Park on the 14-18 April 1998. As the crow flies (not that we have any crows in New Zealand) the lodge is 55 km NE of Taupo at 38°28'S 175°34'E. (About 275 km SSE of Auckland). Further details will be announced at a later date.

#### Participants

Peter and Joan Austwick, Jan and Peter Riddick, Marie and Lawrie Taylor (Auckland); Ann Bell and Dan Mahoney, Denise Judson, Kalideen Hafeel, Barbara Paulus (Victoria University of Wellington), Annette Ah Chee (Hort Research), Peter Buchanan, Prof. Lao Gao, Peter Johnston, Barbara Segedin (Landcare Research), Angela and Ron Freeston (Lower Hutt), Frank Gibbons and Lindsay Gibbons (Te Puke), Masana Izawa and Hiromi Tanaka (Japan), Don and Gwen Horne (Hamilton), Fran Kell (SIR Publishing), Heino Lepp and Judith Curnow (Canberra), David and Esther McLaughlin (University of Minnesota), Gillian Nicholas (University of Canterbury), Geoff Ridley (Forest Research Institute), Brent Rogan (Ministry of Forestry), Leif Ryvardeen (University of Oslo), Steven Whitton (University of Hong Kong).

### A Mycological History of the Wellington and Hutt Valley Area

The Wellington and Hutt Valley area has a long mycological history with the first record published in a 'Flora of the Province of Wellington' by John Buchanan, Geological Survey of New Zealand, in 1873. Buchanan listed 52 fungi found in the Province which he defined as the area south of a line drawn between the Wanganui River on the west and Castle Point on the east. He noted 'The Fungi I had intended to have left entirely out, but having drawings of some easily recognised species, they have, with a few others, been added.' It is doubtful that any voucher specimens were ever preserved.

The first serious collector in the area was the Swedish botanist Sven Berggren who visited in July of 1874. His collections bear the locality 'Maungaroo' which appears to be a misspelling of Mangaroo near Upper Hutt (Hughes 1966). Berggren's collections include *Armillaria*, *Hygrophorus*, *Cantharellus*, *Polyporus*, *Hydnum*, *Thelephora*, *Stereum*, *Calocera*, *Tremella*, *Hirneola*, *Guepinia*, *Lycoperdon*, *Geaster*, *Secotium*, *Rhizopogon*, *Bactridium*, *Hymenoscypha*, *Mollisia*, *Helotium*, *Xylaria* and *Hypoxylon* species (Cooke 1879). A number of collections bear the locality 'Wellington' and these were collected by the botanical explorer H.H. Travers who passed them on to Berggren during his stay. Many of these collections are held at the Herbarium, Royal Botanic Gardens, Kew.

Collecting from the 1870s until the 1950s was episodic. It is notable that most collecting during this period concentrates on Days Bay (East Harbour Regional Park). E.H. Atkinson collected during the 1920s, D.W. McKenzie and G.H. Cunningham in 1927, and G.B. Rawlings from 1946-1947. These collectors focused on polypores and corticioids and many of the collections are cited in Cunningham's major works on the Thelephoraceae (1963) and the Polyporaceae (1965). Atkinson and Cunningham also supplied specimens to the German mycologist H. Sydow with several collections from the Wellington Hutt Valley area including York Bay, Seatoun, Kelburn and Wellington Botanic Gardens (Sydow 1924). These collections are held at Herbarium PDD, Landcare Research, Mt Albert.

Dr Greta Stevenson began collecting agarics and boletes in the late 1940s and her collecting culminated in the publication of 6 papers between 1958 and 1964. Many of the collections used were collected from Butterfly Creek, Golans Valley, Days Bay, Lowry Bay, Eastbourne, Catchpool, Taita, Silverstream, Keith George Park, Wellington Botanic Gardens, Otari, Karori and Johnsons Hill while she was a Nuffield Research Fellow in the Botany Department of Victoria University of Wellington. Also featuring in these papers were collections made by Marie Taylor who had become interested in the larger fungi while a student at Victoria. Marie's collections were gathered from Wainuiomata valley, Lowry Bay, Muritai, Belmont and Otari. All of the specimens cited in Stevenson's papers are held at the Herbarium, Royal Botanic Gardens, Kew (K) although some of the original specimen notes are held at the Landcare Research Herbarium, Lincoln (CHR).

Dr Ann Bell of the Department of Botany, Victoria University of Wellington studied the coprophilous fungi of possum dung in the Orongorongo Valley, Rimutaka Forest Park. Bell (1975), Bell and Dennis (1971), and Bell and Kimbrough (1973) record 41 species of coprophilous fungi from the study area. The majority of specimens are held in the H.D. Gordon Herbarium, Victoria University of Wellington (WELTU) and are not included in the following species list.

Dr Ron Petersen of the Department of Botany, University of Tennessee visited New Zealand several times in the 1980s to study clavarioid fungi. His studies resulted in the publication of 'The Clavarioid Fungi of New Zealand' (Petersen 1988). He collected all over New Zealand including the Kaitoke Regional Park from which he described several new species. Petersen's collections are held at PDD and TENN (Herbarium, University of Tennessee).

Dr Geoff Ridley carried out some of his PhD study in the Rimutaka Forest Park and Kaitoke Regional Park. Papers on the genera *Squamanita* (Ridley 1988) *Amanita* (Ridley 1991) were published and cited material was lodged at PDD. A collection of approximately 500 specimens of other genera, from these study areas, are held at NZFRI(M) and designated in the species list as GSR.

There is only one popular account of fungi in the Wellington and Hutt Valley area and this is provided by Angela and Ron Freeston (Freeston and Freeston 1994). It is an introduction to the fungi of the Butterfly creek area (East Harbour Regional Park) and gives a brief introduction and overview of fungi applicable to all of the areas cited in the species list.

**Fungal Species List**

This list has been drawn from published records and from material held at NZFRI(M) (Mycological Herbarium, New Zealand Forest Research Institute, Rotorua) and PDD (Herbarium PDD, Landcare Research, Mt Albert, Auckland). Material collected during the 11th Fungal Foray is indicated by an \* and the majority of voucher specimens are held at either NZFRI(M) or PDD. Other acronyms used: K, Royal Botanic Gardens, Kew; TENN, University of Tennessee; GSR, Geoff Ridley's collections held at NZFRI(M).

**Camp Wainui, Wainuiomata Valley**

*Collybia vinacea*\* (NZFRI(M))  
*Conchomyces bursaeformis*\* (NZFRI(M))  
*Coprinus* aff. *disseminatus*\* (NZFRI(M))  
*Cortinarius* sp. \* (NZFRI(M))  
*Mycena austrororida*\* (NZFRI(M))  
*Mycena flavovirens*\* (NZFRI(M))  
*Xeromphalina* sp.\* (NZFRI(M))

*Favolaschia pezizaeformis*\* (NZFRI(M))  
*Lycoperdon* sp.\* (NZFRI(M))  
*Macrotyphula defibulata*\* (NZFRI(M))

*Xylaria polymorpha*\* (NZFRI(M))

**Wainuiomata Catchment Area, Wellington Regional Council**

*Agaricus* sp.\* (NZFRI(M))  
*Armillaria novae-zelandiae*\* (NZFRI(M))  
*Conchomyces bursaeformis*\* (NZFRI(M))  
*Cortinarius rotundispora*\* (NZFRI(M))  
*Cortinarius* spp.\* (NZFRI(M))  
*Cystoderma* sp.\* (NZFRI(M))  
*Descolea gunneri*\* (NZFRI(M))  
*Entoloma* spp.\* (NZFRI(M))  
*Galerina* sp.\* (NZFRI(M))  
*Gliophorus lilacipes*\* (NZFRI(M))  
*Gymnopilus* spp.\* (NZFRI(M))  
*Hebeloma victoriensis*\* (NZFRI(M))  
*Hypoloma bruneum*\* (NZFRI(M))  
*Lepiota* sp. \* (NZFRI(M))  
*Oudemansiella australis*\* (NZFRI(M))  
*Mycena austrororida*\* (NZFRI(M))  
*Mycena* sp.\* (NZFRI(M))  
*Pholiota glutinosa*\* (NZFRI(M))  
*Pholiota* sp.\* (NZFRI(M))  
*Pluteus velutinornatus*\* (NZFRI(M))  
*Weraroa virescens*\* (NZFRI(M))

*Auricularia polytricha*\* (NZFRI(M))  
*Beenakia dacostae*\* (NZFRI(M))  
*Bjerkandera adusta*\* (NZFRI(M))  
*Clavaria albo-globospora*\* (NZFRI(M))  
*Favolaschia calocera* var. *claudopus*\* (NZFRI(M))  
*Favolaschia pezizaeformis*\* (NZFRI(M))  
*Ganoderma* cf. *applanatum*\* (NZFRI(M))  
*Gloeoporus phlebophorus*\* (NZFRI(M))  
*Morganella compactum*\* (NZFRI(M))  
*Phallobatia alba*\* (PDD)  
*Phellinus senex*\* (NZFRI(M))  
*Stereum ostrea*\* (NZFRI(M))

*Fusarium tumidum* on gorse\* (NZFRI(M))  
*Hypocrea* sp. on *Kunzea*\* (NZFRI(M))  
*Lanzia* sp. on *Griselinia*\* (PDD)  
*Meliolina metrosiderae*\* (PDD)  
*Paurocotylis pila*\* (NZFRI(M))

**Rimutaka Forest Park, Department of Conservation**

*Agaricus purpureoniger* (GSR)  
*Agaricus viridopurpureus* (GSR)  
*Agaricus* spp. (GSR)  
*Agrocybe* spp. (GSR)  
*Amanita australis* (PDD)  
*Amanita karea* (PDD, type locality)  
*Amanita murmura* (PDD, type locality)  
*Amanita muscaria* (GSR)  
*Amanita nehuta* (PDD, type locality)  
*Amanita nigrescens* (PDD), \* (NZFRI(M))  
*Amanita nothofagi* (PDD)  
*Amanita pareparina* (PDD, type locality)  
*Amanita pekeoides* (PDD, type locality)  
*Amanita pumatona* (PDD, type locality)  
*Amanita taiepa* (PDD, type locality)  
*Armillaria limonea* (K, type locality), \* (NZFRI(M))  
*Astrosporina* spp. (GSR), \* (NZFRI(M))  
*Austroboletus niveus* (GSR)  
*Austroboletus novae-zelandiae* (GSR), \* (NZFRI(M))  
*Bertrandia astatogala*\* (NZFRI(M))  
*Camarophyllus impurus* (GSR)  
*Cantharellus wellingtonensis* (K)  
*Clitocybe muritai* (K, type locality)  
*Collybia drucei* (GSR)  
*Collybia rimutaka*\* (NZFRI(M))  
*Collybia* sp.\* (NZFRI(M))  
*Coprinus* sp.\* (NZFRI(M))  
*Cortinarius* spp. (GSR), \* (NZFRI(M))  
*Crepidotus* sp. \* (NZFRI(M))  
*Dermocybe canaria*\* (NZFRI(M))  
*Dermocybe cardinalis*\* (NZFRI(M))  
*Entoloma aromaticum* (GSR)  
*Entoloma haastii* (GSR)  
*Entoloma hochstetteri* (GSR)  
*Entoloma parsonsii* (GSR)  
*Entoloma procerum*\* (NZFRI(M))  
*Entoloma staurosporum* (= *E.botanicum*, K, type locality)  
*Entoloma* spp. (GSR), \* (NZFRI(M))  
*Galactopus miniata* (K)  
*Gymnopilus junonius* (GSR)  
*Gymnopilis* sp. \* (NZFRI(M))

- Gliophorus sulfurea*\* (NZFRI(M))  
*Hohenbeuhelia* sp.\* (NZFRI(M))  
*Hygrocybe keithgeorgii*\* (NZFRI(M))  
*Hygrocybe mavis* (K)  
*Hypoloma* spp. (GSR)  
*Inocybe* spp. (GSR)  
*Laccaria* spp. (GSR)  
*Lactarius clarkeae* (GSR)  
*Lactarius* spp. (GSR)  
*Lacrymaria* sp. (GSR)  
*Lepiota* sp. \* (NZFRI(M))  
*Marasmius* sp. (GSR)  
*Mycena globuliformis*  
*Mycena veneta* (GSR)  
*Oudemansiella australis* (K, type locality = Wainui Valley?)  
*Oudemansiella* sp. (GSR)  
*Paxillus nothofagi* (GSR)  
*Pluteus veronicae* (K, type locality?)  
*Pluteus* sp. (GSR)  
*Porpoloma amyloideum* (K)  
*Rozites castanella*\* (NZFRI(M))  
*Rozites* spp. (GSR)  
*Russula acrolamellata* (GSR)  
*Russula alblutescens* (GSR)  
*Russula atrovirens* (GSR)  
*Russula aucklandica* (GSR)  
*Russula australis* (GSR)  
*Russula cremeochracea* (GSR)  
*Russula griseobrunnea* (GSR)  
*Russula griseostipitata* (GSR)  
*Russula griseoviolacea* (GSR)  
*Russula inquinata* (GSR)  
*Russula littoralis* (GSR)  
*Russula macrocystidiata* (GSR), \*(NZFRI(M))  
*Russula novae-zelandiae* (GSR)  
*Russula papakaiensis* (GSR)  
*Russula pilocystidia* (GSR)  
*Russula pseudoareolata* (GSR)  
*Russula rimos* (GSR)  
*Russula roseopileata*\* (NZFRI(M))  
*Russula roseostipitata* (GSR)  
*Russula solitaria* (GSR)  
*Russula tawai* (GSR)  
*Russula tricholomopsis* (GSR)  
*Russula umerensis* (GSR)  
*Russula vivida* (GSR)  
*Russula* spp. (GSR)  
*Simocybe pruinata*\* (NZFRI(M))  
*Simocybe* sp. (GSR)  
*Squamanita squarrolosa* (PDD, type locality)  
*Suillus piperatus*\* (NZFRI(M))  
*Thaxterogaster porphyreum* (PDD)  
*Thaxterogaster* spp. (GSR)  
*Tricholoma elegans* (GSR)  
*Tricholoma viridi-olivaceum* (GSR)  
*Tricholoma* spp. (GSR)  
*Tricholomopsis* sp. (GSR)  
*Tylopilus brunneus* (GSR)
- Tylopilus formosus* (GSR), \* (NZFRI(M))  
*Weraroa erythrocephala* (GSR), \* (NZFRI(M))  
*Weraroa novae-zelandiae*\* (NZFRI(M))  
*Zelleromyces* sp. (GSR)
- Anthurus javanicus* (PDD)  
*Clavicornia* sp. \* (NZFRI(M))  
*Coltricia* sp.\* (NZFRI(M))  
*Favolaschia pezizaeformis*\* (NZFRI(M))  
*Fuscoporia ferrea* (PDD)  
*Ganoderma* sp. (PDD) as *Elfvigia mastopora*  
*Gautieria novae-zelandiae* (GSR)  
*Henningsomyces* sp.\* (NZFRI(M))  
*Hericium coralloides* (GSR)  
*Junghuhnina collabans* var. *meridionalis* (PDD as *Chaetoporus euporus*)  
*Lycoperdon* sp.\* (NZFRI(M))  
*Phellodon nothofagi*\* (NZFRI(M))  
*Phellodon sinclairii*\* (NZFRI(M))  
*Piptoporus portentosus* (PDD)  
*Pycnoporus coccineus* (PDD), \* (NZFRI(M))  
*Sarcodon joeides* (PDD)  
*Scleroderma* sp. (GSR)  
*Trichaptum venustum* (PDD)
- Ascobolus furfuraceus* (PDD) on cow dung  
*Bisporella citrina*\* (NZFRI(M))  
*Calostoma* sp.\* (NZFRI(M))  
*Cheilymenia pallida* (K, type locality) on possum dung  
*Chlorosplenium aeruginosum* (GSR)  
*Coprotus trichosurus* (PDD, type locality) on possum dung  
*Cordyceps* sp. (PDD)  
*Erysiphe polygoni* (PDD, as *E. carpophila*)  
*Helotium* sp. (PDD)  
*Lasiochaeria* sp.\* (NZFRI(M))  
*Lauterbachella dicksoniifolia* (PDD)  
*Leotia lubrica* (GSR), \* (NZFRI(M))  
*Nectria peziza* (PDD)  
*Nectria pseudotrichia* (PDD)  
*Nectria* sp. on nikau\* (NZFRI(M))  
*Paurocotylis pila*\* (NZFRI(M))  
*Phomatospora leptospermi*\* (NZFRI(M))  
*Plectania* sp.\* (NZFRI(M))  
*Rhagadobium bakerianum* (PDD)  
*Scutellinia* sp. (GSR), \* (NZFRI(M))  
*Xylaria* sp.\* (NZFRI(M))
- East Harbour Regional Park, Hutt City Council**  
*Agaricus* sp. (PDD)  
*Armillaria 'mellea'* (PDD)  
*Armillaria novae-zelandiae* (K, type locality)  
*Camarophyllus muritaensis* (= *Hygrophorus muritaensis*, K, type locality)  
*Collybia rimutaka* (K)  
*Coprinus disseminatus* (PDD)  
*Cortinarius 'cinnamomeus'* (PDD)  
*Cortinarius 'sanguineus'* (PDD)

- Cystoderma clastotrichum* (K)  
*Entoloma convexum* (K, type locality)  
*Hohenbeuhelia podocarpinea* (K, type locality)  
*Hydropus ardesiacus* (K, type locality)  
*Hygrocybe procera* (= *Hygrophorus procera* & *H. miniceps*, K, type locality of latter)  
*Kuehneromyces* sp. (PDD)  
*Laccaria 'laccata'* (PDD)  
*Laccaria lilacina* (K)  
*Laccaria* sp. (PDD)  
*Lactarius umerensis* (PDD)  
*Marasmius atrocastaneus* (K, type locality)  
*Marasmius croceus* (K, type locality)  
*Marasmius curranii* (K, type locality)  
*Marasmius* sp. (PDD)  
*Mucilopilus nothofagi* as *Porphyrellus nothofagi* (PDD)  
*Mycena flavovirens* (= *Mycena multicolorata*, K, type locality)  
*Mycena* sp. (PDD)  
*Naematoloma* sp. (PDD)  
*Omphalina foetida* (K, type locality)  
*Phaeomyceia fusca* (K, type locality)  
*Pleurotus australis* (K) as *Pleurotus ostreatus*  
*Pleurotus purpureo-olivaceus* (K, type locality)  
*Porpoloma amyloideum* (K, type locality)  
*Russula subvinosa* (PDD)  
*Thaxterogaster porphyreum* (PDD, type locality)  
*Tricholoma testaceum* (K, type locality)  
*Tricholoma viridi-olivaceum* (K, type locality)  
*Tylopilus brunneus* as *Porphyrellus brunneus* (PDD)  
*Xeromphalina leonina* (= *Xeromphalina racemosa*, K, type locality)
- Acanthophysium berggreni* (PDD)  
*Acanthophysium coralloides* (PDD)  
*Aleurodiscus ochraceo-flavus* (PDD, type locality)  
*Aleurodiscus peziculoides* (PDD, type locality)  
*Asterostroma persimile* (PDD)  
*Australoporus tasmanicus* (PDD)  
*Calostoma rodwayi* (PDD)  
*Coltricia dependens* (PDD)  
*Coltricia laeta* (PDD)  
*Coltrichia salpincta* (PDD)  
*Cyathus hookeri* (PDD)  
*Cyathus novae-zelandiae* (PDD)  
*Cyclomyces tabacinus* (PDD)  
*Echinochaeta russiceps* (PDD)  
*Favolaschia pezizaeformis* (PDD)  
*Fomitopsis hemiterphra* (PDD)  
*Ganoderma* sp. (PDD) as *Elfvigia australis*  
*Ganoderma* sp. (PDD) as *Elfvigia mastopora*  
*Hericium coralloides* (PDD)  
*Hydnum crocidens* var. *wellingtonii* (PDD, type locality)  
*Hymenochaete tabacina* (PDD)  
*Hymenogaster viscidus* (PDD)  
*Inotus nothofagi* (PDD, type locality)
- Lycoperdon compactum* (PDD, type locality)  
*Lycoperdon pyriforme* (PDD)  
*Meruliopsis taxicola* (PDD)  
*Merulius miniatus* (PDD, type locality)  
*Octavianina tasmanica* (PDD)  
*Phellinus gilvus* (PDD)  
*Phellinus robusta* (PDD)  
*Phellinus setulosa* (PDD)  
*Piptoporus portentosus*\* (NZFRI(M))  
*Poria alutacea* (PDD)  
*Poria curreyana* (PDD)  
*Poria rata* (PDD)  
*Poria tarda* (PDD)  
*Poria versipora* (PDD)  
*Puccinia euphrasiana* (PDD, type locality)  
*Puccinia heketara* (PDD, type locality)  
*Punctularia strigosozonata* as *Stereum strigosozonata* (PDD)  
*Stereum hirsutum* (PDD)  
*Stereum vellereum* (PDD)  
*Trichaptum rhinocephalum* (PDD)  
*Tyromyces chioneus* = *Leptoporus coriolus*? (PDD)  
*Tyromyces guttulatus* (PDD)  
*Tyromyces merulinus* (PDD)  
*Tyromyces mollis* (PDD)  
*Tyromyces oviformis* (PDD)  
*Tyromyces setiger* (PDD)  
*Wrightoporia novae-zelandiae* (PDD, type locality)
- Bisporella citrina* (PDD)  
*Bisporella discedens* (PDD)  
*Botryosphaeria macrolopha* (PDD, type locality)  
*Helotium citrinum* (PDD)  
*Hypocrea ascoboloides* (PDD)  
*Hypoxyton bovei* (PDD)  
*Hypoxyton diatrypeoides* (PDD)  
*Hypoxyton howeianum* (PDD)  
*Hypoxyton marginatum* (PDD?)  
*Hypoxyton nummularium* (PDD)  
*Hypoxyton subrutiloides* (PDD)  
*Microcera orthospora* (PDD, type locality)  
*Mycosphaerella spissa* (PDD, type locality)  
*Nectria cyathea* (PDD)  
*Nectria macrostoma* (PDD)  
*Nectria vilior* (PDD)  
*Peziza repanda* (PDD)  
*Phomopsis cunninghamii* (PDD, type locality)  
*Physalospora euganea* (PDD?)  
*Plectania rhytidia* (PDD)  
*Rosellinia subiculata* (PDD)  
*Scoleciasis atkinsonii* (PDD, type locality)
- Kaitoke Regional Park, Wellington Regional Council**  
*Amanita australis*\* (NZFRI(M))  
*Armillaria novae-zelandiae*\* (NZFRI(M))  
*Campanella tristis*\* (NZFRI(M))  
*Cheimonophyllum candidissimum*\* (NZFRI(M))  
*Conchomyces bursaeformis*\* (NZFRI(M))

- Coprinus* sp.\* (NZFRI(M))  
*Cortinarius subcalyptosporus*\* (NZFRI(M))  
*Cortinarius* subg. *Leproclybe* sp.\* (NZFRI(M))  
*Cortinarius* spp. (GSR),\* (NZFRI(M))  
*Entoloma* spp.\* (NZFRI(M))  
*Galerina patagonica*\* (NZFRI(M))  
*Gliophorus* sp.\* (NZFRI(M))  
*Humidicutis pura*\* (NZFRI(M))  
*Hygrocybe julietae*\* (NZFRI(M))  
*Hygrocybe*-blackening\* (NZFRI(M))  
*Hypholoma acutum*\* (NZFRI(M))  
*Hypholoma brunneum*\* (NZFRI(M))  
*Laccaria* sp.\* (NZFRI(M))  
*Lactarius* sp.\* (NZFRI(M))  
*Lepiota* spp.\* (NZFRI(M))  
*Mycena pura*\* (NZFRI(M))  
*Mycena veneta*\* (NZFRI(M))  
*Mycena* spp.\* (NZFRI(M))  
*Panellus longinquus*\* (NZFRI(M))  
*Pluteus veronicae*\* (NZFRI(M))  
*Russula atrovirens*\* (NZFRI(M))  
*Russula macrocystidia* (GSR)  
*Russula purpureotincta* (GSR)  
*Russula* sp.\* (NZFRI(M))  
*Tricholoma elegans*\* (NZFRI(M))  
*Tricholoma viridi-olivaceum*\* (NZFRI(M))  
*Tylopilus formosus*\* (NZFRI(M))  
*Weraroa novae-zelandiae*\* (NZFRI(M))
- Clavaria novo-zelandica* (PDD, type locality)  
*Clavaria* sp.\* (NZFRI(M))  
*Clavaria phoenicea* var. *persicina* (TENN)  
*Clavulina cavipes* (TENN)  
*Crucibulum laeve* (GSR), \* (NZFRI(M))  
 Dacrymycetaceae sp.\* (NZFRI(M))  
*Gautieria novae-zelandiae*\* (NZFRI(M))  
*Hericium clathroides*\* (NZFRI(M))  
*Hyphodontia* sp.\* (NZFRI(M))
- Hysterangium* sp. (PDD)  
*Lentaria surculus* TENN)  
*Macrotyphula difibulata* f. *pallida* (PDD, type locality)  
*Morganella compactum*\* (NZFRI(M))  
*Nidula candida* (GSR)  
*Nidula* sp.\* (NZFRI(M))  
*Phellodon* sp.\* (NZFRI(M))  
*Piptoporus portentosus* (PDD)  
*Polyporus dictyopus* (PDD)  
*Poria otaku* (PDD 40227)  
*Postia brunnea* (PDD 41133)  
*Pseudohydnum gelatinosum*\* (NZFRI(M))  
*Ramaria ambigua* (PDD, type locality)  
*Ramaria samuelsii* (PDD, type locality)  
*Ramariopsis alutaceae* (PDD, type locality)  
*Ramariopsis cremicolor* (TENN)  
*Ramariopsis depokensis* (TENN)  
*Ramariopsis junquillea* (TENN)  
*Ramariopsis laeticolor* (TENN)  
*Rigidoporus conrescens*\* (NZFRI(M))  
*Sarcodon carbonarius*\* (NZFRI(M))
- Bisporella citrina*\* (NZFRI(M))  
*Eudarlucia caricis* (PDD) parasitic on *Puccinia coronata*  
*Gibberella intricans* (PDD) on *Cortaderia* sp.  
*Hypocrea* sp. on polypore\* (NZFRI(M))  
*Hypoxylon truncatum* (PDD)  
*Lachnum filicium*\* (NZFRI(M))  
*Mycosphaerella* sp. on *Coriaria*\* (NZFRI(M))  
*Mycosphaerella* sp. on *Coprosma lucida*\* (NZFRI(M))  
*Nectria aurantiicola* (PPD)  
*Placosoma nothopanacis* (PDD) on *Pseudopanax* sp.  
*Podonectria gahnia* (PDD)  
*Stictus radiata*\* (NZFRI(M))

### Acknowledgments

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### ABRS REPORT (DECEMBER 1997)

#### STAFF

Mr Ian Cresswell has now been appointed permanently to the position of Director, Flora within ABRS. He comes to ABRS with a diverse botanical background. He has been working with the Department of Environment in Canberra since 1991, firstly with ERIN, before moving to the Reserves System Section of ANCA. His main research interest is in landscape ecology, and in particular vegetation mapping: with Richard Thackway he coordinated the development of the IBRA and IMCRA biogeographic regionalisation systems for Australia.

#### EDITING IN PROGRESS

The following volumes are almost ready to go to press, each being delayed by non-receipt of one or two contributions:

- Flora of Australia* Volume 1 Introduction (2nd edn)  
*Flora of Australia* Volume 17 Proteaceae 2  
*Flora of Australia* Volume 48 Ferns, Gymnosperms and their Allies

As a result another volume has been brought forward in the editing process, and is expected to go to press in late November/early December, with publication in early 1998:

- Flora of Australia* Volume 12 Mimosaceae (excl. Acacia), Caesalpiniaceae

The following volumes are well-advanced in the editing process, and should appear during 1998 (roughly in the order listed):

- Flora of Australia* Volume 39 Alismatales to Arales  
*Flora of Australia* Volume 43 Poaceae 1  
*Flora of Australia* Volume 44 Poaceae 2  
*Flora of Australia* Volume 51 Mosses 1

In addition editing of the following volumes has started and they should also be published during 1998 or early 1999:

- Nature's Investigator: The Diary of Robert Brown in Australia 1801–1805  
*Flora of Australia* Volumes 11A & 11B, Acacia 1 & 2.  
*Fungi of Australia* Volume 2B Catalogue and Bibliography of Australian Macrofungi 2

#### THE ABRS GRANTS PROCESS

Appended to this report is a summary of ABRS Participatory Program Grants approved in this year's round, for payment in calendar 1998. Only those Grants for 'Flora' are listed here, *i.e.* those for vascular and non-vascular plants, algae, fungi and lichens. The full list, including those for 'Fauna', will be published in *Biologue* in January/February 1998.

This year the total amount available for 'Flora' grants was \$643,797, compared with \$585,035 in the previous year.