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## HYPHAL SYSTEMS

David Moore

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I have put together some references in the list below. These cover the original research dealing with gill and stem development. And the latter few are review type. We (and colleagues elsewhere) have found narrow and inflated hyphae in most agaric stems—even those (like *Agaricus*) which are supposed to be ‘monomitic’ (if that term can be applied to agarics). No one else has counted cell type distributions so their importance remains unclear. I think the mitic classification system is a valuable piece of observation which shows how a particular group of fungi have differentiated their hyphae. But there are difficulties. Function is presumed, not proven. In particular, thick wall is assumed to = reinforcement = skeletal; but secondary hyphal walls could = nutrient store or any of a number of non-strengthening physiological differentiations. The over-riding difficulty is that there are no cell counts in any of these taxonomic observations so the functions and how they might change during development are ignored.

I am also dismayed by the reliance which is placed on drawings of hyphal distributions in fruit body tissues. I once talked to Corner about this and he dismissed any notion of using photography because he thought it important that the mycologist should interpret what he was observing and portray that interpretation. I still receive (and we still publish) descriptions like this in *Mycological Research*. The drawings are often a delight to behold. BUT I tend to the view that the observer should record what he/she observes and to me that means (a) without prior interpretation, and (b) in quantitative terms whenever possible. I hope that what we have already done in *Coprinus* will encourage others to perform similar numerical analyses in other organisms. At the moment we are trying to extend our image analysis into three dimensions; using confocal microscopy to make digital records of optical sections of lumps of tissue, then ‘industrial standard’ visualisation software to create virtual reconstructions through which we can wander to make cell counts and measurements. The counts and measurements are intended to define parameters for mathematical modelling of morphogenesis. We have managed to make the different parts of this process work; over the next year or so I hope we'll be able to put the whole package together.

Until the ‘21st century virtual mushroom’ emerges, you'll have to make do with this reference list!!

- Moore, D. (1987). The formation of agaric gills. *Transactions of the British Mycological Society* **89**, 105–108.
- Moore, D., Horner, J. & Liu, M. (1987). Co-ordinate control of ammonium-scavenging enzymes in the fruit body cap of *Coprinus cinereus* avoids inhibition of sporulation by ammonium. *FEMS Microbiology Letters* **44**, 239–242.
- Chiu, S.W. & Moore, D. (1988). Evidence for developmental commitment in the differentiating fruit body of *Coprinus cinereus*. *Transactions of the British Mycological Society* **90**, 247–253.
- Chiu, S.W. & Moore, D. (1988). Ammonium ions and glutamine inhibit sporulation of *Coprinus cinereus* basidia assayed *in vitro*. *Cell Biology International Reports* **12**, 519–526.
- Chiu, S.W., Moore, D. & Chang, S.T. (1989). Basidiome polymorphism in *Volvariella bombycina*. *Mycological Research* **92**, 69–77.
- Chiu, S.W. & Moore, D. (1990). Sporulation in *Coprinus cinereus*: use of an *in vitro* assay to establish the major landmarks in differentiation. *Mycological Research* **94**, 249–253.
- Chiu, S.W. & Moore, D. (1990). A mechanism for gill pattern formation in *Coprinus cinereus*. *Mycological Research* **94**, 320–326.
- Chiu, S.W. & Moore, D. (1990). Development of the basidiome of *Volvariella bombycina*. *Mycological Research* **94**, 327–337.
- Hammad, F., Ji, J., Watling, R. & Moore, D. (1993). Cell population dynamics in *Coprinus cinereus*: co-ordination of cell inflation throughout the maturing basidiome. *Mycological Research* **97**, 269–274.
- Hammad, F., Watling, R. & Moore, D. (1993). Cell population dynamics in *Coprinus cinereus*: narrow and inflated hyphae in the basidiome stipe. *Mycological Research* **97**, 275–282.
- Moore, D. (1994). Tissue formation, in N.A.R. Gow & G.M. Gadd (eds), *The Growing Fungus* 423–465. (Chapman & Hall: London.)
- Chiu, S.W. & Moore, D. (eds.) (1996). *Patterns in Fungal Development*. (Cambridge University Press: Cambridge, U.K.) (232 pp.)
- Moore, D. (1996). Inside the developing mushroom—cells, tissues and tissue patterns, in S.W. Chiu & D. Moore (eds), *Patterns in Fungal Development* 1–36. (Cambridge University Press: Cambridge, U.K.)
- Moore, D. (1998). *Fungal Morphogenesis*. A volume in the Developmental and Cell Biology series for Cambridge University Press: New York. Approx. 350 printed pages, with 23 tables, 22 half-tone and 96 line illustrations, 1374 bibliographic citations. Manuscript submitted to CUP North American Branch on 12 August 1997, now being sub-edited, anticipate publication mid-1998.

**11th NEW ZEALAND FUNGAL FORAY, 5–9 MAY 1997***Geoff Ridley**NZ Forest Research Institute, Private Bag 3020, Rotorua, New Zealand, ridleyg@fri.cri.nz*

&amp;

*Marie Taylor**805 Riddell Rd, Auckland 1005, New Zealand*

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 *Phallobata 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 Ryvar den.

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 Ryvar den, 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 Curmow (Canberra), David and Esther McLaughlin (University of Minnesota), Gillian Nicholas (University of Canterbury), Geoff Ridley (Forest Research Institute), Brent Rogan (Ministry of Forestry), Leif Ryvar den (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 'Maungaroa' which appears to be a misspelling of Mangaroa 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))  
*Hypholoma 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))  
*Phallobata 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)  
*Hypholoma* 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 squarulusa* (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 *Elfvingia mastopora*  
*Gautieria novae-zelandiae* (GSR)

*Henningsomyces* sp.\* (NZFRI(M))  
*Hericium coralloides* (GSR)  
*Junghuhnia 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)  
*Lasiosphaeria* 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))  
*Rhagadolobium 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)  
*Phaeomyces 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)  
*Inonotus 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 howeanum* (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))  
*Tylophilus 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 concrescens*\* (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))  
*Hypoxyton 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)  
*Stictis radiata*\* (NZFRI(M))

### Acknowledgments

The Foray would like to thank the Department of Conservation, the Hutt City Council and the Wellington Regional Council for giving us permission to collect in the areas administrated by them.

### References

- Bell, A. (1975). Fungal succession on dung of the Brush-tailed Opossum in New Zealand. *New Zealand Journal of Botany* **13**, 437–462.
- Bell, A. & Dennis, R.W.G. (1971). *Cheilymenia pallida* sp. nov. from New Zealand. *Transactions of the British Mycological Society* **57**, 180–182.
- Bell, A. & Kimbrough, J.W. (1973). *Coprotus trichosurus* sp. nov. from New Zealand. *Transactions of the British Mycological Society* **61**, 190–183.
- Buchanan, J. (1873). Notes on the flora of the province of Wellington, with a list of plants collected therein. *Transactions and Proceedings of the New Zealand Institute* **6**, 210–235.
- Cooke, M.C. (1879). New Zealand fungi. *Grevillea* **8**, 54–68.
- Cunningham, G.H. (1963). *The Thelephoraceae of New Zealand*. DSIR Bulletin 145. (Government Printer: Wellington.)
- Cunningham, G.H. (1965). *Polyporaceae of New Zealand*. DSIR Bulletin 164. (Government Printer: Wellington.)
- Freeston, A. & Freeston, R. (1994). Fungi, in *Butterfly Creek. A Visitor's Guide to the Forests of Eastbourne and Wainuiomata* 36–39. (Eastbourne Forest Rangers: Eastbourne.)
- Hughes, S.J. (1966). New Zealand Fungi. 8. *Bactridium* Kunze. *New Zealand Journal of Botany* **4**, 522–532.
- Petersen, R.H. (1988). *The Clavarioid Fungi of New Zealand*. DSIR Bulletin No. 236. (Science Information Publishing Centre, DSIR: Wellington.)
- Ridley, G.S. (1988). *Squamania squarrosa*, a new species from New Zealand. *Persoonia* **13**, 459–462.
- Ridley, G.S. (1991). The New Zealand species of *Amanita* (Fungi, Agaricales). *Australian Systematic Botany* **4**, 325–354.
- Stevenson, G. (1958). Toadstools (Agaricales) including a guide to the main genera. *Tuatara* **7**, 9–16.
- Stevenson, G. (1961). The Agaricales of New Zealand, I. Boletaceae and Strobilomycetaceae. *Kew Bulletin* **15**, 381–385 + 1 plate.
- Stevenson, G. (1962). The Agaricales of New Zealand, II. Amanitaceae. *Kew Bulletin* **16**, 65–74 + 3 plate.
- Stevenson, G. (1962). The Agaricales of New Zealand, III. Rhodophyllaceae. *Kew Bulletin* **16**, 227–237 + 2 plates.
- Stevenson, G. (1962). The Agaricales of New Zealand, IV. Hygrophoraceae. *Kew Bulletin* **16**, 373–384 + 3 plates.

- Stevenson, G. (1964). The Agaricales of New Zealand, V. Tricholomataceae. *Kew Bulletin* **19**, 1–59 + 11 plates.
- Sydow, H. (1924). Beiträge zur Kenntnis der Pilzflora Neu-Seelands - I. *Annales Mycologici* **22**, 293–317.

### 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), Caesalpinaceae

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.

In discussions with various people over the last few months it has become apparent that many do not understand how ABRS is structured, and how the Grants Program, in particular, operates. What follows is a brief overview of ABRS which may help to make the process clearer. A fuller description is being prepared for the ABRS World Wide Web site (<http://www.anbg.gov.au/abrs/index.html>).

ABRS consists of 2 Sections and a Grants Unit.

ABRS Flora Section is responsible for compilation and publication of *Flora of Australia*, *Fungi of Australia*, the *Flora of Australia Supplementary Series*, and (shortly) the *Algae of Australia* series. There is a Flora Editorial Committee which meets once a year, usually in about September/October, to advise ABRS Flora and the Executive Director, ABRS (Ms Alison Russell French) on matters connected with the above series.

ABRS Fauna Section is responsible for compilation and publication of the *Zoological Catalogue of Australia* and *Fauna of Australia* series, and has also produced in recent years the Platypus software package and the Catalogue of Vertebrate Species database. There is a Fauna Editorial Committee which meets once a year in a similar manner to the Flora Editorial Committee.

The Grants Unit is responsible for administering the Participatory Grants program, issuing the necessary forms, advertising the Research Objectives each year, and organising payments.

Overall advice on ABRS is provided to the Minister for the Environment by the ABRS Advisory Committee, which usually meets twice a year, once in about August to consider Grant applications for the coming year, and again in about November, to discuss general policy matters, and to approve recommendations for the next round of Grants, for advertisement the following February.

How do particular groups get on to the Preferred Objectives? Advertisements calling for applications target two more or less distinct kinds of applications.

The first are called National Objectives, and these are generic topics which arise from Government policy statements identifying areas of taxonomic research that the government of the day wants to see progressed. In the past they have included such topics as rare and endangered taxa, tropical rainforest taxa, and aquatic taxa. It should be noted that applications on these topics are open-ended to a large extent in terms of the taxa eligible for study, but the projects must be taxonomic in character.

The second group of applications called for are those which support the publications program. One of the primary objectives in establishing the Grants program originally was to ensure that research could be encouraged, in a timely manner, in those groups which were to be written up in the main ABRS series. Thus suggestions for Research Objectives to support the publication initiatives arise initially from within the Flora Section and Fauna Section. In the case of 'Flora' projects they come from the Executive Editor, Flora (me), as a result of consideration of the likely progress of individual volumes of the *Flora of Australia*, *Algae of Australia* and *Fungi of Australia* over the next 5–6 years, and through discussions with a wide range of likely contributors on such matters as the depth and reliability of current knowledge, and the level of support that might be needed to rectify problems in poorly known taxa. This is done in the knowledge that the Grants program will probably never be large enough to fund revisions of all groups prior to writing of the *Flora of Australia* and other series, and compromises will be necessary. These initial suggestions for preferred taxa are taken to the Flora Editorial Committee each year, where they are discussed and frequently modified on the basis of the knowledge and judgement of the committee members. The Editorial Committee sends a recommended list of topics to the ABRS Advisory Committee, who review them again, and sometimes modify them, before they are accepted for publication.

Applications are called for by formal advertisement in February each year, with applications closing on 10 April. All applications received are sent for review to at least two referees, chosen for their knowledge of the subject matter, and all applications are additionally reviewed by members of the Advisory Committee. As a result of the refereeing process, and taking into account advertised Research Objectives and the amount of funding available, the ABRS Advisory Committee recommends a list of grantees and amounts to the Minister for the Environment. It should be stressed that the Advisory Committee acts as an autonomous body in recommending grants, and that ABRS staff are not part of the selection process (other than in supplying advice on request).

Recommendations are finally reviewed by the Minister's office. Letters of offer are distributed as soon as Ministerial approval is received, in this year's case, in early November. 'Flora' Grants offered in recent years have usually contained a condition that the grantee will prepare an account of their group for *Flora of Australia* or other appropriate series.

There are a couple of points that should be made for those who wish to have input to the process outlined above:

1. Topics listed on the Research Objectives for publications in previous years, but not funded, remain 'live' and can compete with current Research Objectives on an equal footing. Sometimes these older subjects are readvertised to provide additional incentive to potential applicants, but this is not necessary for applications to be made. Successful grantees are listed in the ASBS Newsletter in December or March each year, and in *Biologie* in about February, so topics which were not funded can be identified. Alternatively, this information can be obtained through discussion with me, or with the Director, Flora.

2. Input to the 'Flora' planning process (for Grants or any other matter) is welcome from any of our stakeholders. Input can be made through three main channels: directly via ABRS staff (particularly through the Director, Flora and the Executive Editor), through the members of the Flora Editorial Committee or through the members of the ABRS Advisory Committee. The committee members, in particular, are intended to be a conduit for opinions and suggestions. The names of the current committee members are listed below, and are updated each year in *Biologie*.

### Flora Editorial Committee

Dr Michael Crisp (Chair), Division of Botany & Zoology, Australian National University, Canberra  
 Mrs Robyn Barker, c/o State Herbarium of South Australia, Adelaide  
 Dr John Huisman, Murdoch University, Perth  
 Dr Gintaras Kantvilas, Tasmanian Herbarium, Hobart  
 Mr Ian Pascoe, Institute of Horticultural Development, Melbourne  
 Dr Jim Ross, National Herbarium of Victoria, Melbourne  
 Mrs Karen Wilson, National Herbarium of New South Wales, Sydney  
 Mr Ian Cresswell, Director, Flora, ABRS (ex officio)  
 Dr Tony Orchard, Executive Editor, Flora, ABRS (Secretary)

### ABRS Advisory Committee

Dr Hal Cogger (Chair), Retired, formerly Australian Museum, Sydney  
 Dr Gordon Guymer, Queensland Herbarium, Brisbane  
 Prof. Pauline Ladiges, School of Botany, University of Melbourne, Melbourne  
 Prof. David Patterson, School of Biological Sciences, University of Sydney, Sydney  
 Dr Carden Wallace, Museum of Tropical Queensland, Townsville  
 Dr Judy West, Centre for Plant Biodiversity Research, CSIRO, Canberra  
 Dr Max Whitten, c/o Food & Agriculture Organisation, The Phillipines  
 Ms Alison Russell French, Executive Director, ABRS (ex officio)  
 Ms Liz Visher, ABRS Grants Unit (Secretary)

## ABRS RESEARCH PROJECTS FOR 1998 ('Flora' only)

Note \* = new projects for 1998

### AUSTRALIAN CAPITAL TERRITORY

#### Australian National University

Name: Michael D Crisp\*

Located: Division of Botany and Zoology

Project Title: Flora of Australia treatment of Pittosporaceae

Amount: \$19,000

Name: Michael D Crisp\*

Located: Division of Botany and Zoology

Project Title: Revision of *Gastrolobium* (Fabaceae)

Amount: \$6,250

Name: Professor Jack Elix\*

Located: School of Chemistry

Project Title: A Revision of Lichen Genus *Buellia* in Australia

Amount: \$50,000

### CSIRO, Division of Plant Industry, Centre for Plant Biodiversity Research

Name: Judith G West

Project Title: Revision and Flora of Australia Treatment of eastern Australian species of *Pultenaea* (Fabaceae)  
Amount: \$30,000

**Unattached**

Name: Christopher F Puttock\*  
Project Title: Revision of *Helichrysum s.l.* (remaining taxa and *Chrysocephalum*)  
Amount: \$28,000

**NEW SOUTH WALES**

**NSW Herbarium, Royal Botanic Gardens, Sydney**

Name: Peter H Weston  
Project Title: Taxonomic Revision of *Dillwynia* (Fabaceae: Faboideae: Mirbelieae)  
Amount: \$25,200

**University of New England**

Name: Jeremy J Bruhl  
Located: Department of Botany  
Project Title: Systematic Studies in Abildgaardieae (Cyperaceae)  
Amount: \$14,020

**University of New South Wales**

Name: Bettye J Rees\*  
Located: School of Biological Sciences  
Project Title: A Taxonomic Study of the Genus *Gymnopilus* in Australia  
Amount: \$16,000

**University of Sydney**

Name: Professor David J Patterson\*  
Located: School of Biological Sciences  
Project Title: An Uninterpreted Catalogue and Review of the Autotrophic Euglenids (Protista) of Australian Inland Waters  
Amount: \$25,000

**VICTORIA**

**Royal Botanic Gardens, Melbourne**

Name: Timothy J Entwistle\*  
Project Title: Taxonomic Revision of Zygnemataceae (Chlorophyta) in Australia  
Amount: \$31,000

**Institute for Horticultural Development**

Name: Vyrna C Beilharz  
Project Title: Cercosporoid Fungi on Australian Native Plants  
Amount: \$27,120

**University of Melbourne**

Name: Gerald T Kraft  
Located: School of Botany  
Project Title: Generic Monographs of Australian Siphonous Green Algae  
Amount: \$17,650

## **QUEENSLAND**

### **Department of Environment, Queensland Herbarium**

Name: Gordon Guymmer

Project Title: Revision of 11 Genera of Myrtoideae (Myrtaceae)

Amount: \$45,420

### **University of Queensland**

Name: Julie A Phillips

Project Title: Taxonomic Studies on the Dictyotales (Phaeophyta)

Amount: \$35,000

### **Unattached**

Name: Anthony M Young\*

Project Title: Revision of the Hygrophoraceae of Eastern Australia

Amount: \$30,200

## **SOUTH AUSTRALIA**

### **State Herbarium of South Australia**

Name: Robyn M Barker\*

Project Title: Acanthaceae for *Flora of Australia*

Amount: \$12,000

## **WESTERN AUSTRALIA**

### **University of Western Australia**

Name: Jennifer A Chappill\*

Located: Department of Botany

Project Title: Taxonomic Revision of *Gompholobium* Smith and *Sphaerolobium* Smith (Leguminosae)

Amount: \$17,300

### **Western Australian Herbarium**

Name: Paul G Wilson\*

Project Title: Some Genera in the Angianthinae Inuleae–Asteraceae

Amount: \$24,600

### **Unattached**

Name: Kristina L Lemson\*

Project Title: *Flora of Australia* Treatments of *Andersonia*, *Sprengelia*, *Cosmelia* and *Sphenotoma* (Epacridaceae)

Amount: \$31,000

## **TASMANIA**

### **Tasmanian Herbarium**

Name: Dennis I Morris/ Winifred Curtis

Project Title: A Flora of Tasmania (Dicotyledons)

Amount: \$5,600

Name: Andrew C Rozefelds\*

Project Title: Systematic Studies in Australian Cunoniaceae

Amount: \$23,800

## **OVERSEAS**

### **NEW ZEALAND**

#### **Landcare Research, New Zealand**

Name: Peter R Johnston

Project Title: Rhytismatales of Australia Part 1

Amount: \$11,000

**Victoria University of Wellington**

Name: Ann E Bell\*

Located: School of Biological Sciences

Project Title: Coprophilous Ascomycetes of Australia

Amount: \$3,000

**HONG KONG**

**University of Hong Kong**

Name: Kevin D Hyde

Located: Department of Ecology and Biodiversity

Project Title: Flora Accounts of the Family Phyllachoraceae

Amount: \$17,637

**MISCELLANEOUS CONTRACTS AND PAYMENTS**

ABRS contributions towards costs of 1998/99 ABLO

Amount: \$35,000.

Support of *Flora of Australia*-related loans from major Australian herbaria

Amount: \$30,000.

Completion of database of marine macro-algal names

Names: John Huisman & Roberta Cowan

Amount: \$20,000.

Completion of version 1.0 of interactive key to Australian Vascular Plant Families

Names: Laurie Adams & Kevin Thiele

Amount: \$13,000

Tony Orchard  
Executive Editor, ABRS Flora

**IMC8—AUSTRALASIA 2006?**

In 1971 The first International Mycological Congress (IMC) was held in Exeter, England. Since then a further four have been held in Tampa, Florida (1977), Tokyo (1983), Regensburg (1990) and Vancouver (1994). IMC6 is to be held in Jerusalem next August and I believe that IMC7 will be held in Scandinavia.

Following the formation of an active Australasian Mycological Society, the success of the first Australasian Mycological Conference in Melbourne in 1996, the enthusiasm of mycologists in this part of the world, and discussions with several people, I have agreed to chair an IMC subcommittee of AMS, with the goal of proposing a successful bid for IMC8 to be held in Australasia. This would be the first southern hemisphere International Mycological Congress.

The first decision to be made is which city and venue can best host such a Congress. The last Congress (IMC5) attracted about 1600 participants, so catering for this number or possibly more, limits our choice. Brisbane, Melbourne or Sydney would seem to be prime candidate cities, as I doubt there is any New Zealand venue that could cope with such large numbers. It is essential that the chosen host city is appealing to participants ('Somewhere I always wanted to go'), that there is enough interest to attract partners, and that the city administration will give support. Institutional and corporate support will also be needed.

It is envisaged that the Australasian Mycological Society will be the lead organisation for IMC8. However, it is necessary to obtain support from other societies with mycological interests. This would include the Australasian Plant Pathology Society, Australian and New Zealand Microbiological Societies, and the New Zealand Plant Protection Society.

Timing of the Congress may be important. Traditionally they have been held in August–September which is late summer, and main holiday time, in the northern hemisphere. We may prefer another time of the year with better weather or, perhaps, the macrofungal fruiting season.

Bids to host a Congress are called for by the International Mycological Association. The decision on a venue is made from a vote cast by members of the IMA Executive Committee. Proposals will be considered and voted upon about a year before IMC7. Thus, we have 3–4 years in which to prepare our proposal.

The following people are part of the Australasian IMC8 Subcommittee—Ross Beever, Cheryl Grgurinovic, Eric McKenzie, Tom May, John Pitt and Jack Simpson. If anyone else would like to be part of this group, please contact one of the members. However, do not feel left out. Once we have our bid accepted there will be enough jobs to keep every Australasian mycologist busy. At this stage, drafting the scientific program will be a major task.

Any comments or ideas on the proposal will be gratefully received.

Let's make an Australasian IMC a reality!

Eric McKenzie  
Landcare Research, Private Bag 92170  
Auckland, New Zealand  
email: <mckenzieE@landcare.cri.nz>

**AUSTRALASIAN MYCOLOGICAL SOCIETY  
EVENING MEETING FOR VICTORIAN MEMBERS  
Wednesday 6th May 1998**

To provide an opportunity for AMS members in Victoria to catch up, an evening meeting has been organised in May 1998, jointly with one of the monthly meetings of the Melbourne chapter of the Australian Systematic Botany Society.

Speaker: Dr Tom May (National Herbarium of Victoria)  
'FUNGIMAP—expanding the frontiers of fungal distribution'

Venue: Mueller Hall, National Herbarium of Victoria, South Yarra. The entrance to the Herbarium is on Birdwood Ave, between Dallas Brookes Drive and F Gate of the Royal Botanic Gardens.

5 pm: drinks and nibbles. 5.30 pm: speaker. Dinner after at Swan Palace, Vietnamese restaurant on Swan St, just near Richmond Station. Contact: Tom May (tmay@rbgmelb.org.au, 03 9252 2319).

The Australian Systematic Botany Society has regular meetings on the first Wednesday of the month at the National Herbarium of Victoria, members and visitors welcome. For program details contact Marco Duretto (duretto@rbgmelb.org.au, 03 9252 2371).

**RESEARCH ASSISTANT REQUIRED  
*Fungi of Australia*, Volume 2B**

A research assistant is required to assist with completion of *Fungi of Australia*, Volume 2B, the second part of the Catalogue and Bibliography of Australian Macrofungi. The work will be carried out at the National Herbarium of Victoria in Melbourne, and involves acquisition of relevant literature, extracting records from the literature, and entering and editing text. Good keyboard skills are required, and previous experience in taxonomy and nomenclature of microfungi would be helpful. The position is for approximately five months full time, commencing early in 1998. Anyone interested in this position should contact Dr Tom May for further details. Ph.: 03 9252 2319. Fax: 03 9252 2350. email <tmay@rbgmelb.org.au>

**AUSTRALASIAN MYCOLOGICAL SOCIETY**  
**Fungal foray, 28 September 1997**

On Sunday, 28 September 1997, 10 mycologists, Cheryl Grgurinovic, Jack Simpson, Greg Kirby, Sally Fryar, Pam Catcheside, Peter Johnston, Tom May, Sara Maroske, Fiona Benyon and Ceri Pearce set off on the pre-conference foray. The weather was glorious with clear blue skies and in the low 20's. There had been good rain in the previous week which had encouraged the macrofungi.

We left Adelaide and drove through the Adelaide Hills to Scott Creek Conservation Park. The vegetation is largely stringy bark, *Eucalyptus obliqua* with some *Acacia pycnantha* and the occasional *Acacia melanoxylon*. We walked along a wide path, one side rising steeply, the other falling away towards a creek. Species collected in this area were:

**AGARICS**

*Amanita xanthocephala*  
*A. ?grisella*  
*Melanotus hepatochrous*  
*Tubaria furfuracea*  
*Mycena* Section *Sacchariferae*  
*Pluteus* sp.  
*Schizophyllum commune*

**THELEPHORES**

*Stereum vellereum*  
*S. complicatum*  
*Xylobolus illudens*

**HYDNOID FUNGI**

*Mycoacia subceracea* [previously *Hydnum*]  
*Steccherinum ochraceum*

**JELLY FUNGI**

*Heterotextus* sp.  
*Tremella mesenterica*

We then went onto part of the *Pinus radiata* plantation at Kuitpo forest. Though there had been many species of macrofungi in May and June, there were few in September, although a species of *Russula* with a pink-mauve stipe was forming a mycorrhizal association with the pines. Other species recorded were *Suillus ?luteus*, *Postia* sp. [*lacteus* group, on pine], *Lophodermium pinastre* [on pine needles] and *Tapinella panuoides* [on pine].

We stopped for lunch at the pub at Yankalilla and then drove down to the southern Fleurieu Peninsula to Stringybark Conservation Park. Quite a few species were found, considering the lateness of the season, including a deep purple-brown cup fungus 1–2 cm into the soil.

Collections and/or records were made of the following:

**AGARICS**

*Amanita grisella*  
*Amanita* sp.  
*Cortinarius ?basibulbosus*  
*Cortinarius ?fibrillosus*  
*Cortinarius russeocinnamomeus*  
*Crepidotus eucalyptorum*  
*Melanotus hepatochrous*

**THELEPHORES**

*Punctularia strigozozonatum*

**HYDNOID FUNGI**

*Hydnum repandum*  
*Steccherinum ochraceum*

**ASCOMYCOTINA**

*Discinella terrestris*  
*Hymenoscyphus* on *A. pycnantha*

**CORAL FUNGI**

*Clavulina rugosa* complex

**EARTH STARS**

*Geastrum* sp.

**POLYPORES**

*Schizopora* sp.

**OTHERS**

*Waydora typpica*

**JELLY FUNGI**

*Calocera sinensis*  
*Tremella mesentaria*

**POLYPORES**

*Inonotus* sp.  
*Polyporus melanopus*

**ASCOMYCOTA**

*Hypoxyton annulatum*  
*Discinella terrestris*  
*Nothojafnea cryptotricha* [half subterranean dark brown-purple cup. *Peziza*-like.]

**CORAL FUNGI**

*Clavulinopsis miniata*

On the return journey to Adelaide we made brief stops at a part remnant vegetation, part garden block, in Yankalilla and at the coastal scrub at Aldinga [associated species *Banksia marginata*, *Acacia paradoxa*, *Leucopogon parvifolium*] where *Mollisia cinerea*, *Amanita conicobulbosa* and another unidentified *Amanita* species were found.

An intrepid few concluded the day with an evening meal at the Edinburgh Hotel in Mitcham. Sadly, the clientele of the Edinburgh seems to be amycophagous or perhaps mycophobic, but perhaps that's only on Sundays.

### Collections

Collections were made of many of the fungi in the above lists. Those in the possession of the author will be lodged at the State Herbarium of South Australia.

### Acknowledgements

The 'identifiers' on the trip were Tom May, Jack Simpson and Cheryl Grgurinovic. The South Australian Department of Primary Industries and the Department of Environment and Natural Resources are acknowledged for permission to collect in areas under their control.

### References

- May, T. (1997). Fungi from the Mycology post-conference foray, October 1996. *Australasian Mycological Newsletter* 16: 35–37.
- May, T.W. & Wood, A.E. (1997). Catalogue and Bibliography of Australian Macrofungi 1. Basidiomycota *p.p.* *Fungi of Australia* 2A, 1–348.

Pam Catcheside  
Bellevue Heights, S.A.

### NEW MEMBERS

#### Full members:

Russell Barrow, University of Southern  
Queensland  
David McLaughlin & Esther McLaughlin,  
University of Minnesota  
Wieland Meyer, Westmead Hospital  
Deborah Penrose, CSIRO Publishing

#### Student member:

Rod Jones, University of New England

### MYCOSURFING ON THE WORLD WIDE WEB

Yu-Ming Ju and Jack Rogers have completed a key to *Daldinia* and made it available on the Web. It contains descriptions and colour pictures for every recognised species. The authors would like people to use the key and let them know how it works. The URL is <<http://www.wsu.edu:8080>>

A catalogue of the University of Alberta Microfungus Collection and Herbarium (UAMH) is now available at <<http://www.devonian.ualberta.ca/uamh/>>

**THE 12th NEW ZEALAND FUNGAL FORAY**

**Pureora Forest Park Lodge, Pureora Forest Park**

evening of Tuesday 14 April to morning of Sunday 19 April 1998

Pureora Forest Park Lodge is located in the Pureora Forest Park 55 km NE of Taupo at 38°28'S 175°34'E. (About 275 km SSE of Auckland). The Park contains one of the largest stands of lowland podocarp forests remaining in New Zealand consisting of rimu (*Dacrydium cupressinum*), matai (*Podocarpus spicatus*), totara (*Podocarpus totara*), miro (*Podocarpus ferrugineus*) and tanekaha (*Phyllocladus trichomanoides*). This forest began to develop 2000 years ago after the previous vegetation was destroyed in the Taupo eruption. The forest also has significant populations of native birds including one of the few remaining habitats of the kokako (*Callaeus cinerea*).

The cost of accommodation will be about \$15 per night, plus the additional cost for food (all meals supplied).

Geoff Ridley, NZ Forest Research Institute, Private Bag 3020, Rotorua, New Zealand;  
tel: +64 7 347 5899; fax: +64 7 347 5333; e-mail: ridleyg@fri.cri.nz

\*\*\*\*\*

**Registration for the 12th New Zealand Fungal Foray, Pureora Forest Park ,  
14-19 April 1998**

Name.....

Address.....

.....

.....

Tel.: .....

Fax:.....

E-mail:.....

Number attending:.....

I will be attending the full foray and require accommodation and meals: YES NO

I will be a day visitor and require meals only: YES NO

I will be a day visitor and do not require meals: YES NO

Deposit (\$40/person) enclosed:

Please make cheques payable to 'Foray Account'.

\*\*\*\*\*

## CONFERENCES AND WORKSHOPS

|                      |                                 |   |  |
|----------------------|---------------------------------|---|--|
| 1–6 February<br>1998 | Hobart, Tasmania                | 15th Australian<br>Conference for Electron<br>Microscopy  | Secretariat<br>ph.: 03 6234 1424<br><conventions@mures.com.au>   |
| 16–20 March<br>1998  | IMI, Egham                      | Identification of Industrial<br>& Food Spoilage Fungi   | Mrs Stephanie Groundwater,<br>International Mycological Institute,<br>Bakeham Lane, Egham, Surrey, TW20<br>9TY, UK<br>Ph.: +44 (0) 1784 470111<br>Fax: +44 (0) 1784 470909<br>Email: s.groundwater@cabi.org<br>(Please give your postal address.)  |
| 27–30 March<br>1998  | Nijmegen, The<br>Netherlands    | The Fourth Conference on<br>the Genetics and Cellular<br>Biology of<br>Basidiomycetes                           | Leo J.L.D. Van Griensven<br><mushvg@plex.nl>   |
| 5–9 April 1998       | Southampton<br>University, UK   | The Future of Fungi in<br>the Control of Pests,<br>Weeds and Diseases   | Dr Chris Jackson<br>School of Biological Sciences<br>University of Southampton<br>Bassett Crescent East<br>Southampton SO16 7PX, UK<br><cwj@soton.ac.uk>   |
| 13–16 June<br>1998   | San Juan, Puerto<br>Rico        | Mycological Society of<br>America, American<br>Bryological and<br>Lichenological Society<br>1998 Annual Meeting | H.H. Burdsall, Jr<br>MSA Conference Mgr<br>9350 Union Valley Road<br>Black Earth, WI 53515, USA<br><burdsall@facstaff.wisc.edu>  |
| July 1998            | Uppsala, Sweden                 | International Congress of<br>Mycorrhizae  | < <a href="http://www.slu.se/icom2/icom2.html">http://www.slu.se/icom2/icom2.html</a> >  |
| 6–9 July 1998        | Hua Hin, Thailand               | International Asia-Pacific<br>Mycological Conference<br>on Biodiversity and<br>Biotechnology                    | Ms Parichat Kaewraksa<br>'Asia-Pacific Mycological Conference<br>on Biodiversity and Biotechnology'<br>National Center for Genetic Engineering<br>and Biotechnology (BIOTEC)<br>539/2 Gypsum Metropolitan Tower<br>15th floor<br>Sri-Ayudkya Road<br>Bangkok 10400<br>Thailand<br><mycology@biotech.or.th> |
| 9–14 August<br>1998  | Halifax, Nova<br>Scotia, Canada | Microbial Biosystems:<br>New Frontiers. 8th<br>International Symposium<br>on Microbial Ecology                  | Dr Colin R. Bell<br>Microbial Ecology Laboratory<br>Department of Biology<br>Acadia University, Wolfville,<br>Nova Scotia<br>Canada B0P 1X0<br><isme8@acadiu.ca>   |
| 9–16 August<br>1998  | Edinburgh,<br>Scotland          | 7th International Congress<br>of Plant Pathology  | ICPP98 Congress Secretariat, c/o<br>Meeting Makers 50 George Street,<br>Glasgow G1 1QE, Scotland, UK   |

|                             |   |   |  |
|-----------------------------|---|---|--|
| 10–15 August 1998           | Universiteit van Amsterdam. The Netherlands | International Organization of Plant Biosystematists VIIth International Symposium: Evolution in Man-made Habitats | Dr Hans den Nijs<br>VIIth IOPB Symposium<br>ISP-Hugo de Vries Laboratory<br>Kruislaan 318<br>1098 SM Amsterdam<br>The Netherlands<br>Fxa: +31 20 5257662<br>Email: <IOPB98@bio.uva.nl>   |
| 10 August–18 September 1998 | IMI, Egham                                  | International Course on the Identification of Fungi of Agricultural & Environmental Significance                  | Mrs Stephanie Groundwater<br>(Address, <i>etc</i> given above.)  |
| 17–21 August 1998           | IMI, Egham, UK                              | 8th International Fusarium Workshop   | David Brayford,<br>International Mycological Institute,<br>Bakeham Lane, Egham, Surrey, TW20 9TY, UK<br><d.brayford@cabi.org>  |
| 18–20 August 1998           | Nairobi, Kenya                              | African Mycological Conference  | The Organising Committee RMC4<br>C/- Department of Botany<br>PO Box 30197<br>University of Nairobi<br>Nairobi, Kenya   |
| 23–28 August 1998           | Jerusalem, Israel                           | 6th International Mycological Congress  | Secretariat<br>6th International Mycological Congress<br>PO Box 50006, Tel Aviv 61500, Israel  |
| 26–30 July 1999             | Beltsville, Maryland, USA                   | The Third International Congress on the Systematics and Ecology of Myxomycetes                                    | Lafayette Frederick<br>Biology Department<br>Howard University<br>Washington, DC 20059<br>or Steve Stephenson<br>Department of Biology<br>Fairmont State College<br>Fairmont, WV 26554, USA<br><sls@fscvax.wvnet.edu>  |
| 1–7 August 1999             | St Louis, MO, USA                           | International Botanical Congress  | Contact Don Pfister or Meredith Blackwell with any ideas of topics that will be of interest to the botanical community as a whole, as well as to mycology. Although the meeting is not until 1999, we must offer suggestions now if they are to be considered. |
| 19–30 October 1998          | IMI, Egham                                  | Modern Techniques in the Identification of Bacteria and Filamentous Fungi   | Mrs Stephanie Groundwater<br>(Address, <i>etc</i> given above.)  |
| 26–30 November 1998         | IMI, Egham                                  | Isolation & Identification of Fungi from Natural Habitats   | Mrs Stephanie Groundwater<br>(Address, <i>etc</i> given above.)  |
| 1999                        | Sydney                                      | IXth International Congress of Bacteriology & Applied Microbiology  | –  |
| August 2002                 | Oslo, Norway                                | 7th International Mycological Congress  | –  |

If you know of any other conferences, symposia, workshops, *etc.* that may be of interest to members, please send us the details so the information can be included in the next *Newsletter*.

C.A. Grgurinovic

**DEADLINE FOR NEXT ISSUE**

Articles for the next *Newsletter* are due by Friday 13 March 1998. If articles are more than half a page long, the editors would appreciate a copy on disc. Please note that for references *journal and book titles are given in full*. The disc will be returned after publication of the *Newsletter*.

**MEMBERSHIP IS NOW DUE FOR 1998**

Please note that membership subscriptions for 1998 are now due. Subscription forms are at the back of this *Newsletter*.

**RENEWING MEMBERS OF THE AUSTRALASIAN MYCOLOGICAL SOCIETY, INC.**

Membership subscriptions are due on 1 January 1998. If you have not renewed your suscription by March 1998, this will be your last copy of the *Newsletter*.

Membership subscription in the Society for 1998 is AUS\$30 per calendar year for Full Members and AUS\$15 for Student Members in Australia or New Zealand; AUS\$45 for Full Members and AUS\$30 for Student Members outside Australia or New Zealand. Subscriptions include four issues per year of the *Australasian Mycological Newsletter* and postage charges. Subscriptions fall due on 1 January of each year.

Library subscription AUS\$45 per calendar year; personal members are requested not to donate their copies of the *Newsletter* to a library for 12 months from publication date.

Make cheques payable to the Australasian Mycological Society, Inc. Subscriptions should be sent to the Treasurer:

Mr Heino Lepp  
PO Box 38  
BELCONNEN, ACT 2616, Australia.

✂ \_\_\_\_\_

Name: .....

Address: .....

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.....

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Phone Number: .....

Fax number: .....

Email address: .....

✂ \_\_\_\_\_



**NEW MEMBERS OF THE AUSTRALASIAN MYCOLOGICAL SOCIETY, INC.**

**AUSTRALASIAN MYCOLOGICAL SOCIETY INCORPORATED**  
(incorporated under the Associations Incorporation Act 1991)

**APPLICATION FOR MEMBERSHIP**

I,

.....

of

.....

(address)

Phone number:.....

Fax number:.....

Email address:.....

.....her

by apply to

(occupation)

(full time students must show evidence of enrollment at a secondary or tertiary institution)

become a member of the abovenamed incorporated association. In the event of my admission as a member, I agree to be bound by the rules of the Society for the time being in force.

.....

(signature of applicant)

Date .....

I,

.....

(full name)

a member of the Society, nominate the applicant, who is personally known to me, for membership of the Society.

.....

(signature of proposer)

Date .....

|  |
|--|
| I,<br>.....<br>.....<br>(full name)<br>a member of the Society, nominate the applicant, who is personally known to me, for membership of the Society.<br>.....<br>.....<br>(signature of proposer)<br><br>Date ..... |
|--|

Subscriptions should be sent to the Treasurer:  
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