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1996 COMMEMORATIVE CONFERENCE
University of Melbourne, October 1996
PROVISIONAL PROGRAM
MYCOLOGY

Wednesday, 3rd October

8.00–8.50 Registration / Set up posters

Session 1 (Chairperson: Jack Simpson, President, Australasian Mycological Society)

8.50 Welcome

9.00 Ethel Irene McLennan, an Australian mycological pioneer—*Sophie Ducker*

9.30 Mycological studies on small Victorian fungi by Harry Swart and Gordon Beaton—*Gretna Weste*

9.50 Mushroom poisonings in Australia—*F. Mary Cole*

10.10 Observations on morphology and the response of hyphae to temperature by Australian and French isolates of *Lepista*—*Karen Stott, Andrew Broderick & N.G. Nair*

10.30 Morning Tea

Session 2 (Chairperson: Cheryl Grgurinovic)

10.50 Coprophilous fungi in New Zealand with special emphasis on the genus *Podospora* (Lasiosphaeriaceae)—*Ann Bell & Daniel Mahoney*

11.10 The species of *Elsinoë* on Myrtaceae in Australia—*Jack Simpson*

11.30 *Lactarius* (Russulaceae) in Tasmania: with special reference to *L. subdulcis*—*Naiyana Thongjeim & Alan Mills*

11.50 A study of the genus *Amanita* (Agaricales)—*Alec Wood*

12.10 Preliminary observations on the systematics of the Australian Hygrophoraceae Lotsy (Fungi, Agaricales)—*Anthony Young*

12.30 **Launch of *Fungi of Australia* (Senator Hill)**

12.50 Lunch

1.30 Poster Session

Session 3 (Chairperson: Tom May)

- 2.20 Preliminary characterisation of New Zealand *Ganoderma* species by morphology, mating reaction and rDNA sequences—*Peter Buchanan & J. Paula Wilkie*
- 2.40 Implications of phylogenetic studies for conservation of genetic diversity in shiitake mushrooms—*David Hibbett & Michael Donoghue*
- 3.00 Microfungi of north Queensland wet tropics—*Kevin Hyde, Jane Fröhlich & J. Taylor*
- 3.20 Afternoon Tea

Session 4 (Chairperson: Ian Pascoe)

- 3.40 Survival of arbuscular mycorrhizal fungi in soil—*Peter McGee & Greg Pattinson*
- 4.00 The phenology of macrofungi in relation to autumn rainfall in the Adelaide Hills—*Adrienne Burns & John Conran*
- 4.20 Understanding the distribution of a soil microfungus: *Fusarium nygamai*—*David Backhouse, Lester Burgess & Brett Summerell*
- 4.40 Does *Acmena smithii* (Myrtaceae) have both endo and ectomycorrhizas?—*Candida Briggs, D. Messiqua & A.E. Ashford*
- 5.30 Australasian Mycological Society, Annual General Meeting
- 7.00/7.30 Dinner: Private Dining Room, Melbourne University Student Union.

POSTERS

- Mycena* in Australia—*Cheryl Grgurinovic*
- A systematic study of *Collybia* (Fr.) Staude (Agaricales: Tricholomataceae)—*Gavin Smith*
- The genus *Phaeocollybia* (Cortinariaceae) in south-east Australia—*Bettye Rees & Alec Wood*
- Ordinal placement of the genus *Densospora*: Glomales or Endogonales?—*Murray Henwood & Peter McGee*
- Towards a monograph of the Australian Phyllachoraceae (Ascomycetes)—*Ceridwen Pearce & Kevin Hyde*
- Variability in *Fusarium compactum* from Australian soils—*Jelena Levic, David Backhouse, Lester Burgess & Brett Summerell*
- Phomopsis viticola* pathogenicity, sexual reproduction and genetic variation—*Reiny Scheper, Eileen Scott & Dara Whisson*
- Genetic variation among isolates of *Uncinula necator*, the grapevine powdery mildew fungus—*Belinda Stummer, Kathy Evans, Eileen Scott & Dara Whisson*
- Alternaria*, a common fungus that causes asthma—*Peter McGee*
- A review of the psychoactive fungi found in Australia and New Zealand—*Michael Bock*
- The psychoactive ergot alkaloids and their occurrence in the microfungi—*Michael Bock & Doug Parbery*
- Temperature and moisture effects on competitive colonization of roots by *Fusarium* species—*H. Saremi, David Backhouse & Lester Burgess*
- Phytophthora cinnamomi*: structure, life cycle and biology—*David Cahill, Adrienne Hardham & Gretna Weste*
- Use of a vital stain to detect viable infective units of arbuscular mycorrhizal fungi in a cultivated soil—*Greg Pattinson & Peter McGee*
- Repeated sampling for macrofungi in eucalypt forest in south-eastern Australia—*Sapphire McMullan & Tom May*
- Surveys for macrofungi at Wattle Park, an urban bushland—*Noel Schleiger & John Julian*
- The macrofungal community of wet forests in Tasmania—*Tom May & Jill Packham*
- Use of small mammals to determine the presence of sporocarpic Zygomycetous fungi in native vegetation—*Peter McGee, Greg Pattinson & E. Sutherland*
- Identification of fungal spores in the diet of Australian mammals—*Michael Tory & Tom May*
- Australian ectomycorrhizal fungi: biodiversity, biogeography and conservation—*Neale Bougher, I. Tommerup, N. Malajczuk, T. Grove & K. Old*
- Conservation status of macrofungi in Victoria—*John Avram & Tom May*
- FUNGIMAP: the Australian Fungi Mapping Scheme—*John Julian & Tom May*

BEYOND THE FLORAS

This conference runs from 4–6 October. Among various sessions the following is of particular relevance to mycologists.

Thursday, 4th October

Orphan groups (fungi) (Chair: Peter Buchanan)

- 1.50 Orphans in 'botanical' diversity—*David Hawksworth*
- 2.30 Who will look after the orphans?—*Kevin Hyde*
- 2.50 Waiting for the mycofloras: making the most of existing information on fungal taxonomy—*Tom May*
- 3.10 Doing the Fungi: how to write a 'Flora' treatment for the *Fungi of Australia*—*Ian Pascoe*

FURTHER INFORMATION

The Mycology conference is being held as part of the 1996 Commemorative Conference, which marks the 100th anniversary of the death of Baron Ferdinand von Mueller, and the 150th anniversary of the founding of the Royal Botanic Gardens, Melbourne. Other conferences include The Scientific Savant, Proteaceae and Beyond the Floras. A full program is available at <http://www.science.unimelb.edu.au/botany/www.confand/conference.html>. Please direct any enquiries to Dr Tom May, National Herbarium of Victoria, Birdwood Ave., South Yarra, Victoria 3141. PH: (03) 9252-2319, FAX (03) 9252-2350, email: may@popa.melbpc.org.au.

MYCOLOGY POST-CONFERENCE FORAY, 5–8 OCTOBER 1996

The post-conference foray will be based at Marysville, close to Melbourne and to a variety of habitats—including cool temperate rainforest, tall wet sclerophyll forest, dry sclerophyll forest, subalpine communities and pine plantations. Ferdinand von Mueller described the Mountain Ash as a 'gigant' among trees, and we will see some impressive specimens in the tall trees reserve at Cambarville. Other sites to be visited include Lady Talbot Drive, The Beeches Reserve, Lake Mountain, and the Acheron Way.

October is not always the best time of year for macrofungi, but this winter has been reasonably wet, and there should still be some macrofungi present, especially in the wetter mountain gullies. Cool temperate rainforest occurs in scattered pockets in Victoria, and is a mycological paradise in season. The drier eucalypt forest may not yield many macrofungi during our visit, but an interesting array of leaf-inhabiting and other microfungi can be found.

Arrangements are informal, and participants may join in the foray for all or part of the time. Details of the sites visited may be altered according to weather and where the fungi are, but we can arrange meeting spots if people wish to catch up with the foray for a day.

Accommodation has been booked in self-contained twin-share cabins in Marysville, about an hour and a half drive from the centre of Melbourne. The exact cost depends on numbers, but will be between \$35 and \$50 per person per night for accommodation and self-cater breakfast and lunch (make own arrangements for evening meals). Some people have already arranged transport, and it is likely that a few places will be available for those without cars (donation of \$30 towards costs).

If you would like to attend the foray and have not already received a booking form, please contact Tom May immediately at the Royal Botanic Gardens, Melbourne, Birdwood Ave, South Yarra, Vic. 3141. Ph.: 03 9252 2319. Fax: 03 9252 2350. Email: may@popa.melbpc.org.au