

M — BOTANY

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SECTION OFFICE:
Library, Life Sciences Building, ground floor.

MEETING PLACES:
Most sessions of Section M are either in the Life Sciences Building
on the ground floor or in the Assembly Hall, The Hutchins School,
Nelson Road. The room for each session is indicated below.

PROGRAMME

Those sessions of Section M marked "with Genetics Society of Australia", "with Australian Society of Plant Physiologists" or "with Ecological Society of Australia", have been arranged by the Society concerned.

MONDAY, 16th AUGUST

- 9.30 a.m. **SYMPOSIUM** (with Genetics Society of Australia, and Section D): **Microbial and Molecular Genetics.** Hutchins Assembly Hall.
A general programme is being arranged, with contributions from B. W. Holloway (University of Melbourne), C. W. Grigg (Division of Animal Genetics, C.S.I.R.O., Sydney), J. B. Langridge (Division of Plant Industry, C.S.I.R.O., Canberra), D. G. Catcheside (Australian National University) and A. M. Clark (University of Adelaide).
- 11.15 a.m. **SYMPOSIUM: Microbial and Molecular Genetics** (continued).
- 2.00 p.m. **PRESIDENTIAL ADDRESS** (Section M): Arts Lecture Theatre.
Chairman — A. B. Wardrop (University of Tasmania).
Chemistry and some Fungal Diseases of Plants—
J. E. Falk (Division of Plant Industry, C.S.I.R.O., Canberra).
- 2.00 p.m. **PAPERS** (Genetics Society of Australia and Section D): **Molecular Genetics.** Hutchins Assembly Hall.
Genetics of allelic recombination—
D. G. Catcheside (Australian National University).
An autonomous factor controlling DNA specificity in bacteria — B. W. Holloway (University of Melbourne).
The mechanism of stationary phase mutation—
C. W. Grigg (Division of Animal Genetics, C.S.I.R.O., Sydney).

3.45 p.m. **Concurrent Sessions:**

1. **PAPERS** (G.S.A. and Section D): **Molecular Genetics** (continued).
Mechanism of genetic recombination during transformation in *Bacillus subtilis* — C. Kidson (Baker Medical Research Institute, Melbourne).
Cotransduction of analogue-resistance—
Judith A. Waltho (University of Melbourne).
Genetic control of recombination between linked genes in *Neurospora crassa* — B. R. Smith (Australian National University).
2. **PAPERS:** Lecture Room 1, Life Sciences Building.
Chairman — I. F. Wardlaw (Division of Plant Industry, C.S.I.R.O., Canberra).
Reversed bean vines — G. Reber (Division of Radio-physics, C.S.I.R.O., Hobart).
Diffusion resistances of turf — E. T. Linacre (Irrigation Research Laboratory, C.S.I.R.O., Griffith).
Seasonal pattern and cell grouping in cambial activity in *Pinus* — A. Mahmood (University of Sydney).

TUESDAY, 17th AUGUST

Concurrent Sessions:

- 9.15 a.m. 1. **PAPERS** (Australian Society of Plant Physiologists):
Lecture Room 1, Life Sciences Building.
Cytokinin activity of some substituted ureas and thioureas — J. A. Zwar, M. I. Bruce and N. P. Kefford (Division of Plant Industry, C.S.I.R.O., Canberra).
Spectrum of biological activities of cytokinins in the substituted urea class — N. P. Kefford, J. A. Zwar and M. I. Bruce (Division of Plant Industry, C.S.I.R.O., Canberra).
The apparent synthesis of indolacetic acid from endogenous tryptophan during extraction — K. S. Rowan and K. R. Shepherd (University of Melbourne).
- 9.30 a.m. 2. **SYMPOSIUM** (with Sections C, D, F, H, K, L and P): **Conservation.** Town Hall.
For details see Section K programme.
- 9.30 a.m. 3. **SYMPOSIUM** (with Genetics Society of Australia): **Evolutionary Cytogenetics.** Hutchins Assembly Hall.
Cytogenetic evolution of the *viatica* group of the grasshopper genus *Moraba* based on hybridization studies and DNA values — M. J. D. White (University of Melbourne).
Stable supernumerary chromosomes in a grasshopper—
W. D. Jackson (University of Tasmania).
Chromosome number polymorphism in an Australian leaf hopper — M. J. Whitten (University of Tasmania).

The attention of members of Section M is also drawn to the symposium on *Rhizobium*: its relationship to Form and Function in the Legume Nodule, in the programme of Section I.

Mentioned on Insight, 7/2/65 at 1030 am
29/8/65