

TUESDAY, 17th AUGUST

9.30 a.m. Concurrent Sessions:

1. SYMPOSIUM: **Planetary Radio Astronomy**. Phys. Th. 2.
Chairman — F. J. Kerr (Division of Radiophysics, C.S.I.R.O., Sydney).
Decimetric (microwave) observations of Jupiter—
J. A. Roberts (Division of Radiophysics, C.S.I.R.O., Sydney).
Decametric radiation of Jupiter — G. R. A. Ellis (University of Tasmania).
Decametric observations of Jupiter — P. M. McCulloch (University of Tasmania).
2. SYMPOSIUM: **Visual Space Perception**. Phys. Lab. 6.
Chairman and Convener—J. Lederer (University of New South Wales).
The perception of three dimensional space in asymmetric convergence — G. Amigo (University of New South Wales).
The horopter problem — J. Lederer (University of New South Wales).
3. SYMPOSIUM (with Section H): **Telecommunications**. Phys. Th. 3.
Chairman — G. H. Newstead (Australian National University).
Convener — P. R. Brett (P.M.G. Research Laboratories, Melbourne).
An inverted Vee antenna for short range high frequency communications — W. S. Davies and J. H. Morgan (P.M.G. Research Laboratories, Melbourne).
The log-periodic dipole antenna — W. R. Craig (P.M.G. Research Laboratories, Melbourne).
4. SYMPOSIUM (with Section C): **The Measurement of Gravity**. Geology-Geography, Floor 2, Room 207.
Chairman — J. C. Dooley (Bureau of Mineral Resources, Geology and Geophysics, Melbourne).
The absolute measurement of gravity at Sydney—
G. A. Bell (Division of Applied Physics, C.S.I.R.O., Sydney).
Gravity measurements with the Japanese G.S.I. pendulum apparatus — J. Shirley (Bureau of Mineral Resources, Geology and Geophysics, Melbourne).
The calibration of gravity meters — B. C. Barlow (Bureau of Mineral Resources, Geology and Geophysics, Melbourne).

11.15 a.m. Concurrent Sessions:

1. SYMPOSIUM: **Cosmic Ray Astronomy**. Phys. Th. 2.
Chairman — P. G. Law (Antarctic Division, Department of External Affairs, Melbourne).
Evidence for a two-way sidereal anisotropy in the charged primary cosmic radiation — R. M. Jacklyn (Antarctic Division, Department of External Affairs, Hobart).
Solar diurnal variations of cosmic rays — J. E. Humble (University of Tasmania).
Solar and sidereal protons — G. Reber (Division of Radiophysics, C.S.I.R.O., Hobart).

- 11.15 a.m. 2. SYMPOSIUM: **Visual Space Perception** (continued).
The stereoscopic localisation of moving objects—
J. A. Alexander (University of New South Wales).
 3. SYMPOSIUM: **Telecommunications** (continued).
Radiation pattern measurements of open circular and coaxial wave guides—R. Wielebinski and T. Landecker (University of Sydney).
A survey of problems concerning random phase errors in large radio telescopes — T. B. Vu (University of Adelaide).
 4. SYMPOSIUM: **The Measurement of Gravity** (continued).
Establishment of a uniform gravity network in Australia: the "Isogal" project — B. C. Barlow (Bureau of Mineral Resources, Geology and Geophysics, Melbourne).
Problems of Antarctic gravity measurements—
W. J. Langron (Bureau of Mineral Resources, Geology and Geophysics, Melbourne).
- 2.00 p.m. Concurrent Sessions:
1. EXCURSION: No. 24, Radio astronomy field stations at Llanherne and Penna.
 2. SYMPOSIUM: **Visual Space Perception** (continued).
Re-investigation of Panum's areas — D. E. Mitchell (University of Melbourne).
 3. SYMPOSIUM: **Telecommunications** (continued).
Chairman — K. S. Brown (Standard Telephones and Cables Pty. Ltd., Sydney).
Development of the telecommunications system in Tasmania — G. Larsson, (P.M.G., Hobart).
Recent developments in 12-channel multiplexing equipment — C. E. Smith and N. P. Ferstat (P.M.G., Transmission and Services, Melbourne).
 4. SYMPOSIUM: **Optics**. Phys. Th. 2.
Chairman — R. G. Giovanelli (Division of Physics, C.S.I.R.O., Sydney).
The automatic design of multi-layer reflecting films—
P. E. Ciddor (Division of Applied Physics, C.S.I.R.O., Sydney).
The accurate measurement of oscillatory displacements by multiple beam interferometry — J. L. Goldberg (Division of Applied Physics, C.S.I.R.O., Sydney).
- 3.45 p.m. Concurrent Sessions:
1. EXCURSION: (continued).
 2. SYMPOSIUM: **Visual Space Perception** (continued).
Some psychological aspects of binocular depth perception — G. N. Seagram (Australian National University).
Critical notes on the theory of the space eikonometer—
S. Halass (University of New South Wales).
 3. SYMPOSIUM: **Telecommunications** (continued).
Chairman — G. Larsson (P.M.G., Hobart).
Developments in telegraph message switching systems—
K. B. Casey (P.M.G., Lines and Switching, Melbourne).
Techniques for maintaining modern telephone networks—
W. R. Dedrick and G. Moot (P.M.G., Lines and Switching, Melbourne).